SOLICITATION, OFFER AND AWARD

1. This Contract Is A Rated Order Under DPAS (15 CFR 700)	Rating	Page of Pages
	DOA4	1 327

2. Contract Number	3. Solicitation Number	4. Type of Solicitation	5. Date Issued	6. Requisition/Purchase Number
	W56HZV-14-R-0039	☐ Sealed Bid (IFB) ☒ Negotiated (RFP)		SEE SCHEDULE

7. Issued By Code W56HZV

U.S. ARMY CONTRACTING COMMAND
CCTA-HTB-B
WARREN, MICHIGAN 48397-5000

HTTP://CONTRACTING.TACOM.ARMY.MIL

8. Address Offer To (If Other Than Item 7)

NOTE: In sealed bid solicitations 'offer' and 'offeror' mean 'bid' and 'bidder'.

SOLICITATION

9. Sealed offers in original and _____ copies for furnishing the supplies or services in the Schedule will be received at the place specified in item 8, or if handcarried, in the depository located in _____ until _____ (hour) local time _____ (Date).

Caution - Late Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. For Information Call:	A. Name	B. Telephone (No Collect Calls)			C. E-mail Address
		Area Code	Number	Ext.	
	JESSICA BAILIFF	(586)	282-3495		JESSICA.M.BAILIFF2.CIV@MAIL.MIL

11. Table Of Contents

(X)	Sec.	Description	Page(s)	(X)	Sec.	Description	Page(s)
		Part I - The Schedule				**Part II - Contract Clauses**	
X	A	Solicitation/Contract Form	1	X	I	Contract Clauses	248
X	B	Supplies or Services and Prices/Costs	7			**Part III - List Of Documents, Exhibits, And Other Attach.**	
X	C	Description/Specs./Work Statement	123	X	J	List of Attachments	285
X	D	Packaging and Marking	203			**Part IV - Representations And Instructions**	
X	E	Inspection and Acceptance	206	X	K	Representations, Certifications, and Other Statements of Offerors	287
X	F	Deliveries or Performance	225				
X	G	Contract Administration Data	234	X	L	Instrs., Conds., and Notices to Offerors	301
X	H	Special Contract Requirements	241	X	M	Evaluation Factors for Award	319

OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within ____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. Discount For Prompt Payment (See Section I, Clause No. 52.232-8)	10 Calendar Days (%)	20 Calendar Days (%)	30 Calendar Days (%)	Calendar Days (%)

14. Acknowledgment of Amendments (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated):	Amendment No.	Date	Amendment No.	Date

15A. Name and Address of Offeror	Code	Facility	16. Name and Title of Person Authorized to Sign Offer (Type or Print)

15B. Telephone Number			15C. Check if Remittance Address is	17. Signature	18. Offer Date
Area Code	Number	Ext.	☐ Different From Above – Enter such Address In Schedule		

AWARD (To be completed by Government)

19. Accepted As To Items Numbered	20. Amount	21. Accounting And Appropriation

22. Authority For Using Other Than Full And Open Competition:	23. Submit Invoices To Address Shown In (4 copies unless otherwise specified)	Item
☒ 10 U.S.C. 2304(c)(1) ☐ 41 U.S.C. 253(c)( )		25

24. Administered By (If other than Item 7)	Code	25. Payment Will Be Made By	Code

26. Name of Contracting Officer (Type or Print)	27. United States Of America (Signature of Contracting Officer)	28. Award Date

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

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SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: JESSICA BAILIFF
Buyer Office Symbol/Telephone Number: CCTA-HTB-B/(586)282-3495
Type of Contract: Firm Fixed Price
Kind of Contract: System Acquisition Contracts

*** End of Narrative A0000 ***

	Regulatory Cite	Title	Date
A-1	52.204-4016	WARREN ELECTRONIC CONTRACTING	MAR/2013

(a) All Army Contracting Command - Warren (DTA) solicitations and awards are distributed on the Army Contracting Command - Warren Procurement Network (ProcNet) Business Opportunities website (https://contracting.tacom.army.mil/opportunity.htm) and are no longer available in hard copy. The Technical Data Packages (TDPs) and other documents, when available electronically, will be attachments or links to the solicitation package on ProcNet.

(b) You may need to use special software to view documents that we post on ProcNet. This viewing software is freeware, available for download at no cost from commercial websites like Microsoft and Adobe. In cases where such software is required, we provide a link from ProcNet to the commercial site where the software is available. Once you arrive at the software developer's site, follow its instructions to download the free viewer. You can then return to the ProcNet.

(c) Unless directed to do otherwise in Section L of this solicitation, you are required to submit your offer, bid, or quote electronically, via the Army Single Face to Industry (ASFI) Online Bid Response System (BRS). For detailed information about submitting your offer electronically, please see https://contracting.tacom.army.mil/acqinfo/ebidnotice.htm.

(d) Requirements for the online ASFI bid submission:

(1) You must be registered in the System for Award Management (SAM) at www.sam.gov (a Federal Government owned and operated free web site) and have a CAGE Code and CCR Marketing Partner Identification Number (MPIN).

(2) If you found the solicitation on ProcNet, use the following link to the Start Bid Page on the ASFI BRS website for this solicitation:
https://acquisition.army.mil/asfi/solicitation_view.cfm?psolicitationnbr=W56HZV14R0039

(3) If you found the solicitation by searching on ASFI, you can start the online bidding process by using the Start Bid button on the ASFI Solicitation View page. You may also access the ASFI BRS by going to https://acquisition.army.mil/asfi/ and clicking on the Contracting Opportunities Search to find the solicitation.

(4) Once in the ASFI BRS, you will be asked to enter basic information and will then be directed to upload one or more files containing your offer and information required by the solicitation.

(5) You will receive a confirmation of your bid upon completion of the bid submission process.

(6) You can find detailed BRS user instructions on the ASFI website at https://acquisition.army.mil/asfi/BRS_guide.doc.

(e) Note to offerors:
Your attention is called to the solicitation closing date and time as stated on the cover page of this solicitation, local time for the Army Contracting Command - Warren (DTA), Michigan. In accordance with FAR 15.208(a), offerors are responsible for submitting proposals, and any revisions, and modifications, so as to be received by the Government office designated in the solicitation by the time specified.

It is the offeror's responsibility to assure their proposal is received by the date and time specified on the cover page of this solicitation. In accordance with FAR 15.208, if your proposal was not received at the initial point of entry to the Government infrastructure by the exact date and time specified on the cover page of this solicitation, it will be determined late. Proposal, as the term is used here, means ALL volumes and/or parts of the proposal.

Note: There is no "expected" or "target" length of time for proposal submission; size and content may be factors, therefore offerors are strongly cautioned to submit their proposals allowing adequate time for submission.

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Solicitations may remain posted on the AFSI Open Solicitation Web page after the solicitation closes. Even though the system will allow you to submit a proposal after the closing date/time, your proposal will be considered late and may not be considered for award. If you are responding to a Request for Proposal, your offer will not be considered if it is submitted after the closing date and time unless one of the exceptions is met at FAR 15.208(b). If you are responding to a Request for Quotation, your quote may be considered if it is received after the closing date, and it will not unduly delay award.

(f) Any award issued as a result of this solicitation will be distributed electronically. Awards and modifications posted on ProcNet represent complete OFFICIAL copies of contract awards and will include the awarded unit price. This is the notice required by Executive Order 12600 (June 23, 1987) of our intention to release unit prices in response to any request under the Freedom of Information Act (FOIA), 5 USC 552. Unit price is defined as the contract price per unit or item purchased as it appears in Section B of the contract and is NOT referring to nor does it include Cost or Pricing data/information. If you object to such release in the base contract or contract modifications, and you intend to submit an offer, notify the contracting officer in writing prior to the closing date identified in this solicitation and include the rationale for your objection consistent with the provisions of FOIA. A release determination will be made based on rationale given.

(g) If you have questions or need help using ProcNet, call our E-commerce Contracting Help Desk at (586) 282-7059, or send an email to usarmy.detroit.acc.mbx.wrn-web-page-request@mail.mil. If you have questions about the content of any specific item posted on the ProcNet, please call the contract specialist or point of contact listed for the item. For technical assistance in doing business with the Government, and doing business electronically, please visit the Procurement Technical Assistance Center website at http://www.dla.mil/SmallBusiness/Pages/ProcurementTechnicalAssistanceCenters.aspx to find a location near you.

End of Provision

A-2 52.201-4000 ARMY CONTRACTING COMMAND-WARREN (DTA) OMBUDSPERSON APR/2011

Information regarding the Ombudsperson for this contract is located at the following website:
http://contracting.tacom.army.mil/acqinfo/ombudsperson.htm

[End of Provision]

A-3 52.204-4024 NOTICE OF RANDOM ANTITERRORISM MEASURES PROGRAM (RAMP) JUN/2014

In accordance with AR 525-13, Contractor personnel working on an Army installation, arsenal, base or other DoD facility (owned or leased by DoD/Department of the Army), are subject to participation in Installation RAMP security program (e.g. vehicles searches, wearing of ID badges, etc).

(End of Notice)

A-4 52.209-4025 NOTICE OF TRAINING OPPORTUNITIES AT THE DETROIT ARSENAL MAR/2013

The contractor is notified that in accordance with training requirements required in the performance of this solicitation, and subsequent contract, that the G2 Office of TACOM LCMC can provide the following training upon request to contracting personnel. This opportunity is extended to all contractor personnel performing at the Detroit Arsenal and TACOM LCMC Organizations, including Selfridge Air National Guard Base.

Training is available for AT/OPSEC requirements including but not limited to: iWatch Training, Annual Security Training, and OPSEC Training as part of Annual Security training.

Contractors should make requests for training to the buyer listed on this solicitation and contract.

(End of Notice)

A-5 52.214-4000 ACKNOWLEDGMENT OF AMENDMENTS OCT/1993

Acknowledge all the amendments you've received from us by identifying the amendment number and its issue date in the box below:

Amendment Number	Date

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[End of Provision]

A-6 52.214-4003 (TACOM) ALL OR NONE MAR/1998

Offers in response to this solicitation must be submitted for the total quantity of the items identified in the solicitation.

(1) ONLY ONE AWARD WILL BE MADE AS A RESULT OF THIS SOLICITATION.

(2) OFFERS SUBMITTED FOR LESS THAN THE TOTAL QUANTITIES OF ALL THE ITEMS IN THIS SOLICITATION ARE INELIGIBLE FOR AWARD.

[End of Provision]

A-7 52.232-4087 PAYMENT UNDER WIDE AREA WORKFLOW (ACC WARREN) JAN/2012

TACOM-Warren uses Wide Area Workflow, Receipt and Acceptance (WAWF-RA) to electronically process vendor requests for payment. (See DFARS clause 252.232-7003, entitled Electronic Submission of Payment Requests and Receiving Reports). Under WAWF-RA, vendors electronically submit (and track) invoices, and receipt/acceptance documents/reports. Submission of hard copy DD250/invoices is no longer acceptable for payment purposes.

The contractor shall register to use WAWF-RA at https://wawf.eb.mil There is no charge to use WAWF. Direct any questions relating to system setup and vendor training to the Help Desk at Ogden, UT at 1-866-618-5988. Web-based training for WAWF is also available at https://wawftraining.eb.mil

To obtain payment, WAWF requires the contractor to input/indicate the various DoDAAC (Department of Defense Activity Address Code) codes that apply to the acquisition. These codes can be found on the cover page of contracts/orders as described below.

USE THE FOLLOWING CODES TO ROUTE YOUR INVOICES THROUGH WAWF:

- Your firms CAGE code (found in Block 15A of SF 33; Block 17a of SF 1449; Block 14 of SF 1442; Block 7 of SF 26)
- Issue and Admin DoDAAC Code (found in Block 7 of SF 33; Block 9 of SF 1449; Block 7 of SF 1442; Block 5 of SF 26)
- Ship-To DoDAAC Code (if deliverables are involved) (found in Section B of the contract where SF 33, SF 1442, or SF 26 is the cover page; Block 15 of SF 1449)
- Accept-By DoDAAC Code: If Inspection/Acceptance is Origin, use the Admin (DCMA)DoDAAC or the DoDAAC of the inspection/acceptance office if different than the Admin DoDAAC; if Destination, use the Ship-To DODAAC Code. If Accepted-By Other: enter the DoDAAC of the activity designated to perform acceptance.
- Payment DoDAAC Code. (found in Block 25 of SF 33; Block 18a of SF 1449; Block 27 of SF 1442; Block 12 of SF 26)

The paying office DoDAAC and mailing address is located on the first page of the award. To track the status of your invoice, click on the link, Pay status (myInvoice-External link) at the bottom of the left-hand menu.

If your paying office is Columbus, direct any payment-related questions to the Defense Finance Accounting Services (DFAS) Columbus at 1-888-756-4571. Please have your order number and invoice ready when calling about payment status. If your paying office is other than Columbus, contact your contract administrator for the customer service phone/fax numbers.

[End of Clause]

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JOINT LIGHT TACTICAL VEHICLE (JLTV) EXECUTIVE SUMMARY
RFP: W56HZV-14-R-0039

A.1. Introduction

A.1.1. While not incorporated into the Executive Summary, additional JLTV information is contained at the JLTV webpage at https://contracting.tacom.army.mil/majorsys/jltvfrp/jltvfrp.htm.

A.1.2. JLTV PROGRAM OVERVIEW

A.1.2.1. The JLTV is a joint United States Army/United States Marine Corps program. JLTV Family of Vehicles (FoV) is a materiel solution intended to fill capability gaps identified by the Combat Developer in the Functional Systems Analysis and Functional Needs Analysis.

A.1.2.2. The JLTV Program has executed contracts for Technology Development (TD) and Engineering and Manufacturing Development (EMD). The TD contracts included fabrication, delivery, and test of eight vehicles, four companion trailers, and other test assets. The EMD contracts provided for fabrication, assembly, integration, testing and test support, and related requirements in accordance with the contract and the JLTV EMD Purchase Description. Each JLTV EMD contractor delivered 22 prototype vehicles, six trailers, and other hardware for test requirements.

A.1.2.3. Production and Deployment

This solicitation is for the Production and Deployment phase of the program. The Government intends to award a single contract with eight option periods as a result of this solicitation. This action includes approximately three years of Low Rate Initial Production (LRIP) and approximately five years of Full Rate Production (FRP) hardware and service procurements. The contract will include Firm Fixed Price (FFP) Contact Line Item Numbers (CLIN) for vehicles, kits, trailers, Test hardware, Test Support, Vehicle Refurbishment, Systems Engineering/Program Management (SEPM), Integrated Product Support (IPS), Storage and maintenance of vehicles, and Cost Plus Fixed Fee (CPFF) CLINs for System Technical Support (STS), Total Package Fielding (TPF), and Interim Contractor Support (ICS). An Economic Price Adjustment is applicable to vehicle prices in option years six, seven, and eight unless Multi-Year Contract Pricing is approved.

A.1.2.3.1.3. Competition

An approved Justification and Approval has been received to allow limited competition. The statutory authority permitting other than full and open competition for this action is 10 U.S.C. 2304(c)(1), pursuant to FAR 6.302-1(a)(2)(ii)(A) & (B) and FAR 6.302-1(b)(1)(ii), supplies and services are available from only one, or a limited number of sources, and no other supplies or services will satisfy agency requirements.

A.1.2.3.1.4. Proposal Submission Requirements

Proposals shall follow all instructions in Section L.

A.1.2.3.1.5 Assertion of Restriction

DFARS 252.227-7017 is included in the solicitation. Offerors shall make and submit a signed assertions (as to the restrictions on data rights) as an attachment as part of its proposal. The information shall be in the format specified in DFARS 252.227-7017(d); otherwise, the offeror may be ineligible for award. The assertions will become an attachment to the resulting contract.

A.2 Multiyear Strategy (MS)

The Government will be requesting a multiyear proposal after contract award for FP requirements during performance of FRP. A Multiyear Procurement (MYP) requires Congressional approval. In order to obtain Congressional Approval the Secretary of Defense (SECDEF) must provide certification to Congress seeking approval to enter into a MYP. The Government will use the multiyear planning estimate as required in Section C to seek approval. While Congressional Approval is being sought, the Government will request the Contractor to submit a formal and post-award multiyear proposal. If determined to be appropriate, it will be negotiated utilizing cost and price analysis in accordance with FAR 15.404. If Congressional approval is obtained, a bilateral modification to the contract will be issued to convert the contract to a multiyear contract.

In the event the contract is modified to incorporate multi-year pricing all Economic Price Adjustment provisions will be removed from the contract.

<u>BASE VEHICLE PRODUCTION QUANTITIES AND DELIVERY REQUIREMENTS</u>

Section B and Section F of the solicitation provides vehicle production quantities for the base award. These sections include JLTV FoV variants, kits, and mission package configurations for the Army and Marine Corps program requirements.

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In order to maintain the testing schedule, the first JLTV vehicle deliveries must occur 300 days after contract award. Base award deliveries continue every 30 days after contract award up to final delivery in support of the base award, which occurs 600 days after contract award. See Sections B and F of the solicitation for details relating to vehicle delivery, inspection and acceptance.

A.3. INTERNATIONAL INTERESTS

A.3.1 The contract awarded under this solicitation will not contain requirements supporting international efforts until an International Agreement, or Project Arrangement (PA) is completed.

A.4. Access to Solicitation Documents

A.4.1. Access to Distribution C Attachment

There are documents within the RFP that are marked Distribution Statement C. In order to obtain access to these documents an Offeror shall have a FebBizOpps account. It is the responsibility of the Offeror, not the Government, to obtain the appropriate export licenses, or process the appropriate export license exemption, necessary for authorization to share any such information with subcontractors who are foreign persons as defined in applicable export laws and regulations, or to obtain access to the files themselves.

The following are instructions to request access to attachments that are marked with a Distribution C Statement: https://www.fbo.gov/

1. Copy and paste the link above into your web browser

2. Log into FBO using your existing account or create a new account.

3. Once you log in, click on the files that you would like access to using the links on the right side of the page.

4. FBO will prompt you for your firm's MPIN (Marketing Partner ID Number). This is tied to your CAGE code. Contact the SAM helpdesk if you have issues locating this.

5. Once the request has been made, an automated email will be generated to the Government reviewer.

6. The request must be accompanied by an e-mail from the Data Custodian to:
usarmy.detroit.acc.mbx.wrn-jltv-rfp@mail.mil and must include all of the following:

a) A copy of the approved DD Form 2345 and the certification number that can be verified with the JCP database.

b) The Cage Code provided in the DD Form 2345 must match the Cage Code provided in the FedBizOps request.

c) A discussion of the requestors "need to know", which addresses the parties' program participation or their technology and production considerations in relation to the requested information.

A.5. OSD ACCESS TO PROPOSAL INFORMATION

A.5.1. The Offeror agrees, by submission of an offer, that its proposal information and/or source selection information may be disclosed to the Office of Secretary of Defense (OSD), Department of Army (DA) and Department of Navy (DON) to support the requirements in DoDD 5000.02. The information will be used for the purposes of developing and validating the JLTV Independent Cost Estimate to support Milestone C approval, prior to any contract awarded in response to this solicitation. The Offeror agrees, by submission of its proposal, that the use of its proposal information and/or source selection information by OSD, DA, and DON constitutes use for DoD 5000.02 purposes. In the event that the use of the proposal information and/or source selection information is found to not be for evaluation purposes, the offeror agrees by submission of its proposal, that the information may be disclosed to the OSD, DA, and DON to support the requirements in DoD 5000.02.

*** END OF NARRATIVE A0001 ***

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SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

B.1 The numbering system that is to be used for the four digit item numbers (CLINs) is as follows:

The first digit signifies the applicable option period, the second digit signifies the service procuring the item, the third and forth digits signify the item or service as detailed below:

First CLIN Digit # - Period	Second CLIN Digit # - Service	Third & Forth CLIN Digit # - Major Scope Element
0 - Base Award	0 - First Article Test	00 - Unused
1 - Option 1	(Service at SUBCLIN)	01 - General Purpose Vehicles (GP)
2 - Option 2	1 - ARMY	02 - Heavy Guns Carrier Vehicles (HGC)
3 - Option 3	2 - USMC	03 - Close Combat Weapons Carrier Vehicles (CCWC)
4 - Option 4	3 - 9 Placeholders	04 - Utility Vehicles (UTL)
5 - Option 5	for other services or	05 - Trailers
6 - Option 6	FMS customers	06 - General Purpose Installed Kits
7 - Option 7		07 - Heavy Guns Carrier Installed Kits
8 - Option 8		08 - Close Combat Weapons Carrier Installed Kits
*9 - Data Items		09 - Utility Installed Kits
		10 - Trailer Installed Kits
		11 - General Purpose Packaged Kits
		12 - Heavy combat Weapons Carrier Packaged Kits
		13 - Close Combat Weapons Carrier Packaged Kits
		14 - Utility Packaged Kits
		15 - Trailer Packaged Kits
		16 - Packaged Kits
		17 - System Engineering / Program Management
		18 - Storage and Maintenance of Vehicles
		19 - Test Hardware
		20 - Test Support
		21 - JLTV-FoV Refurbishment
		22 - Integrated Product Support
		23 - Engineering Change Order Implementation
		24 - System Technical Support
		25 - Interim Contractor Support
		26 - Total Package Fielding
		27 - Reserved
		28 - Technical Data Package (TDP)
		29 ≥ Reserved

*CLINs in the 9000 - 9999 range do not conform to the CLIN Naming Convention

For example:
CLIN 0101 is the base quantity Army CLIN for General Purpose Vehicles;
CLIN 1101 is the first option period Army CLIN for General Purpose Vehicles;
CLIN 2101 is the second option period Army CLIN for General Purpose Vehicles;
CLIN 3101 is the third option period Army CLIN for General Purpose Vehicles;
CLIN 4101 is the forth option period Army CLIN for General Purpose Vehicles;
CLIN 5101 is the fifth option period Army CLIN for General Purpose Vehicles;
CLIN 6101 is the sixth option period Army CLIN for General Purpose Vehicles;
CLIN 7101 is the seventh option period Army CLIN for General Purpose Vehicles; and
CLIN 8101 is the eighth option period Army CLIN for General Purpose Vehicles

B.2 Options

B.2.1 Option CLINs will be incorporated into the contract when options are exercised, after contract award, using the numbering system identified in paragraph B.1 above.

B.2.2 Option period dates are defined in H.1.1.

B.2.3 Range Pricing, Top Up Periods and Top-Up Orders are defined in H.1.2 and Attachment 0060.

B.2.4 Firm Fixed Price Options are defined in H.1.3 - H.1.3.9.2.

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B.2.5 Cost Plus Fixed Fee Options are defined in H.1.4 - H.1.4.3.

B.2.6 Reinstatable Production Baseline Requirements are defined in H.2 - H.2.1.

B.3 Production prior to First Article Test (FAT) Approval: In accordance with FAR 52.209-4(h), the contractor is authorized to acquire required materials or components to commence production of Non-FAT vehicle, installed kit and packaged kit CLINs to the extent essential to meet the delivery schedule prior to First Article Test Approval.

B.4 Section B Nomenclature Legend:

Acronym	Item Name
ARMY	United States Army
BA	Base Award
CCWC	Close Combat Weapons Carrier
CFAT	Component First Article Test
ECP	Engineering Change Proposal
EMD	Enginering, Manufacturing & Development
FAT	First Article Test
FPVI	First Production Vehicle Inspection
GP	General Purpose
HGC	Heavy Guns Carrier
ICS	Interim Contractor Support
IK	Install Kit
IPS	Integrated Product Support
JLTV	Joint Light Tactical Vehicle
OP1	Option Period 1
OP2	Option Period 2
OP3	Option Period 3
OP4	Option Period 4
OP5	Option Period 5
OP6	Option Period 6
OP7	Option Period 7
OP8	Option Period 8
PK	Packaged Kit
PQT	Performance Qualification Testing
PROC	Procurement
R&D	Research & Development
S&MV	Storage & Maintenance of Vehicles
SEPM	System Engineering / Program Management
STS	System Technical Support
T	Trailer
TDP	Technical Data Package
TPF	Total Package Fielding
USMC	Untied States Marine Corps
UTL	Utility

*** END OF NARRATIVE B0001 ***

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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	M1280 JLTV-GP VEHICLE				
0001AA	FIRST ARTICLE TEST (ARMY - R&D)	4	EA	$_____	$_____

COMMODITY NAME: M1280 JLTV-GP VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall deliver vehicles with installed install kits in accordance with CLIN 0006AA.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 0011AA.

(End of narrative B001)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin
Government Approval/Disapproval Days: 960

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	2	0300
002	1	0420
003	1	0510

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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AB	FIRST ARTICLE TEST (ARMY - PROC)	9	EA	$_____	$_____

COMMODITY NAME: M1280 JLTV-GP VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall deliver vehicles with installed install kits in accordance with CLIN 0006AB.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 0011AB.

(End of narrative B001)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin
Government Approval/Disapproval Days: 960

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	2	0330
002	5	0360
003	1	0390
004	1	0510

FOB POINT: Origin

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AC	FIRST ARTICLE TEST (USMC - R&D)	3	EA	$_____	$_____

COMMODITY NAME: M1280 JLTV-GP VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall deliver vehicles with installed install kits in accordance with CLIN 0006AC.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 0011AC.

(End of narrative B001)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin
Government Approval/Disapproval Days: 960

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	0300
002	1	0420
003	1	0510

FOB POINT: Origin

SHIP TO:
(Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	(SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AD	FIRST ARTICLE TEST (USMC - PROC)	1	EA	$_____	$_____

COMMODITY NAME: M1280 JLTV-GP VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall deliver vehicles with installed install kits in accordance with CLIN 0006AD.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 0011AD.

(End of narrative B001)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin
Government Approval/Disapproval Days: 960

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	0390

FOB POINT: Origin

SHIP TO:
(Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002	M1278 JLTV-HGC VEHICLE				
0002AA	FIRST ARTICLE TEST (ARMY - PROC)	6	EA	$_____	$_____

COMMODITY NAME: M1278 JLTV-HGC VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall deliver vehicles with installed install kits in accordance with CLIN 0007AA.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 0012AA.

(End of narrative B001)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin
Government Approval/Disapproval Days: 960

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	2	0330
002	2	0360
003	2	0390

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002AB	FIRST ARTICLE TEST (USMC - R&D)	1	EA	$_____	$_____

COMMODITY NAME: M1278 JLTV-HGC VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall deliver vehicles with installed install kits in accordance with CLIN 0007AB.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 0012AB.

(End of narrative B001)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin
Government Approval/Disapproval Days: 960

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	0300

FOB POINT: Origin

SHIP TO:
(Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003	M1281 JLTV-CCWC VEHICLE				
0003AA	FIRST ARTICLE TEST (ARMY - R&D)	1	EA	$_____	$_____

COMMODITY NAME: M1281 JLTV-CCWC VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall deliver vehicles with installed install kits in accordance with CLIN 0008AA.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 0013AA.

(End of narrative B001)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin
Government Approval/Disapproval Days: 960

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	0510

FOB POINT: Origin

SHIP TO:

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	(Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AB	FIRST ARTICLE TEST (ARMY - PROC)	5	EA	$_____	$_____

COMMODITY NAME: M1281 JLTV-CCWC VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall deliver vehicles with installed install kits in accordance with CLIN 0008AB.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 0013AB.

(End of narrative B001)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin
Government Approval/Disapproval Days: 960

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	0330
002	2	0360
003	2	0390

FOB POINT: Origin

SHIP TO:
(Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	(SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	M1279 JLTV-UTL VEHICLE				
0004AA	FIRST ARTICLE TEST (ARMY - R&D)	6	EA	$_____	$_____

COMMODITY NAME: M1279 JLTV-UTL VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall deliver vehicles with installed install kits in accordance with CLIN 0009AA.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 0014AA.

(End of narrative B001)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin
Government Approval/Disapproval Days: 960

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	2	0300
002	1	0420
003	2	0510

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	004 1 0600 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004AB	FIRST ARTICLE TEST (ARMY - PROC)	12	EA	$_____	$_____

COMMODITY NAME: M1279 JLTV-UTL VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall deliver vehicles with installed install kits in accordance with CLIN 0009AB.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 0014AB.

(End of narrative B001)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin
Government Approval/Disapproval Days: 960

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	5	0330
002	4	0360
003	2	0390
004	1	0510

FOB POINT: Origin

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004AC	FIRST ARTICLE TEST (USMC - R&D)	4	EA	$_____	$_____

COMMODITY NAME: M1279 JLTV-UTL VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall deliver vehicles with installed install kits in accordance with CLIN 0009AC.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 0014AC.

(End of narrative B001)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin
Government Approval/Disapproval Days: 960

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	0300
002	1	0360
003	2	0420

FOB POINT: Origin

SHIP TO:
(Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	(SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0006	GENERAL PURPOSE INSTALLED KIT				
0006AA	FIRST ARTICLE TEST INSTALLED KIT (ARMY - R&D) SERVICE REQUESTED: GENERAL PURPOSE INSTALLED KIT CLIN CONTRACT TYPE: Firm Fixed Price The Contractor shall install 1 LOT of installed kits on GP Army vehicles under CLIN 0001AA. The LOT of installed kits for this CLIN is defined and shall be in accordance with Attachment 0084. All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0510	1	LO		$_____
0006AB	FIRST ARTICLE TEST INSTALLED KITS (ARMY - PROC) SERVICE REQUESTED: GENERAL PURPOSE INSTALLED KIT CLIN CONTRACT TYPE: Firm Fixed Price The Contractor shall install 1 LOT of installed kits on GP Army vehicles under CLIN 0001AB. The LOT of installed kits for this CLIN is defined and shall be	1	LO		$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	in accordance with Attachment 0084. All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin CLIN Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0510				
0006AC	FIRST ARTICLE TEST INSTALLED KITS (USMC - R&D) SERVICE REQUESTED: GENERAL PURPOSE INSTALLED KIT CLIN CONTRACT TYPE: Firm Fixed Price The Contractor shall install 1 LOT of installed kits for GP USMC vehicles under CLIN 0001AC. The LOT of installed kits for this CLIN is defined and shall be in accordance with Attachment 0084. All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin CLIN Delivery Schedule: The Contractor shall deliver the LOT of kits in	1	LO		$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0510				
0006AD	FIRST ARTICLE TEST INSTALLED KIT (USMC - PROC) GP SERVICE REQUESTED: INSTALLED KIT CLIN CONTRACT TYPE: Firm Fixed Price The Contractor shall install 1 LOT of installed kits for GP USMC vehicles under CLIN 0001AD. The LOT of installed kits for this CLIN is defined and shall be in accordance with Attachment 0084. All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin CLIN Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0390	1	LO		$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0007	HGC INSTALLED KITS				
0007AA	FIRST ARTICLE TEST HGC INSTALLED KITS (ARMY - PROC) SERVICE REQUESTED: HGC INSTALLED KITS CLIN CONTRACT TYPE: Firm Fixed Price The Contractor shall install 1 LOT of installed kits for HGC ARMY vehicles under CLIN 0002AA. The LOT of installed kits for this CLIN is defined and shall be in accordance with Attachment 0084. All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin CLIN Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0390	1	LO		$_____
0007AB	FIRST ARTICLE TEST HGC INSTALLED KITS (USMC - R&D) SERVICE REQUESTED: HGC INSTALLED KITS CLIN CONTRACT TYPE: Firm Fixed Price	1	LO		$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	The Contractor shall install 1 LOT of installed kits for HGC USMC vehicles under CLIN 0002AB. The LOT of installed kits for this CLIN is defined and shall be in accordance with Attachment 0084. All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin CLIN Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0300				
0008	CCWC INSTALLED KITS				
0008AA	FIRST ARTICLE TEST CCWC INSTALLED KITS (ARMY - R&D) SERVICE REQUESTED: CCWC INSTALLED KITS CLIN CONTRACT TYPE: Firm Fixed Price The Contractor shall install 1 LOT of installed kits for CCWC ARMY vehicles under CLIN 0003AA. The LOT of installed kits for this CLIN is defined and shall be in accordance with Attachment 0084. All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".	1	LO		$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	(End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin CLIN Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0510				
0008AB	FIRST ARTICLE TEST CCWC INSTALLED KITS (ARMY - PROC) SERVICE REQUESTED: INSTALLED KITS CCWC CLIN CONTRACT TYPE: Firm Fixed Price The Contractor shall install 1 LOT of installed kits on GP Army vehicles under CLIN 0003AB. The LOT of installed kits for this CLIN is defined and shall be in accordance with Attachment 0084. All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin CLIN Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases	1	LO		$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0390				
0009	ULTILITY INSTALLED KIT				
0009AA	FIRST ARTICLE TEST INSTALLED KIT (ARMY - R&D) SERVICE REQUESTED: ULTILITY INSTALLED KIT CLIN CONTRACT TYPE: Firm Fixed Price The Contractor shall install 1 LOT of installed kits for UTL Army vehicles under CLIN 0004AA. The LOT of installed kits for this CLIN is defined and shall be in accordance with Attachment 0084. All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin CLIN Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0600	1	LO		$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0009AB	FIRST ARTICLE TEST INSTALLED KIT (ARMY - PROC) SERVICE REQUESTED: ULTILITY INSTALLED KIT CLIN CONTRACT TYPE: Firm Fixed Price The Contractor shall install 1 LOT of installed kits for UTL Army vehicles under CLIN 0004AB. The LOT of installed kits for this CLIN is defined and shall be in accordance with Attachment 0084. All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin CLIN Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0510	1	LO		$_____
0009AC	FIRST ARTICLE TEST INSTALLED KIT (USMC - R&D) SERVICE REQUESTED: ULTILITY INSTALLED KIT CLIN CONTRACT TYPE: Firm Fixed Price The Contractor shall install 1 LOT of installed kits for UTL USMC vehicles under CLIN 0004AC. The LOT of installed kits for this CLIN is defined and shall be in accordance with Attachment 0084.	1	LO		$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin CLIN Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0420				
0011	GP PACKAGED KITS				
0011AA	FIRST ARTICLE TEST PACKAGED KITS (ARMY - R&D) GP COMMODITY NAME: GP PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Packaging and Marking	1	EA	$_____	$_____

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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0510 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
0011AB	FIRST ARTICLE TEST PACKAGED KITS (ARMY - PROC) GP COMMODITY NAME: GP PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Packaging and Marking	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0510 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
0011AC	FIRST ARTICLE TEST PACKAGED KITS (USMC - R&D) GP COMMODITY NAME: GP PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Packaging and Marking	1	EA	$_____	$_____

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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0510 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
0011AD	FIRST ARTICLE TEST PACKAGED KITS (USMC - PROC) GP COMMODITY NAME: GP PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Packaging and Marking	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0390 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
0012	HGC PACKAGED KITS				
0012AA	FIRST ARTICLE TEST PACKAGED KITS (ARMY - PROC) HGC COMMODITY NAME: HGC PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001)	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0390 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
0012AB	FIRST ARTICLE TEST PACKAGED KITS (USMC - R&D) HGC COMMODITY NAME: HGC PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001)	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0300 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
0013	CCWC PACKAGED KITS				
0013AA	FIRST ARTICLE TEST PACKAGED KITS (ARMY - R&D) CCWC COMMODITY NAME: CCWC PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0510 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
0013AB	FIRST ARTICLE TEST PACKAGED KITS (ARMY - PROC) CCWC	1	EA	$_____	$_____
	COMMODITY NAME: CCWC PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0390 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
0014	UTL PACKAGED KITS				
0014AA	FIRST ARTICLE TEST PACKAGED KITS (ARMY - R&D) UTL COMMODITY NAME: UTL PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price ***For the purpose of this CLIN the Purchase Unit	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	"EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0600 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
0014AB	FIRST ARTICLE TEST PACKAGED KITS (ARMY - PROC) UTL COMMODITY NAME: UTL PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price ***For the purpose of this CLIN the Purchase Unit	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	"EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0510 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
0014AC	FIRST ARTICLE TEST PACKAGED KITS (USMC - R&D) UTL COMMODITY NAME: UTL PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price ***For the purpose of this CLIN the Purchase Unit	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	"EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0420 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
0020	COMPONENT FIRST ARTICLE TEST				
0020AA	COMPONENT FIRST ARTICLE TEST (ARMY)	1	LO		$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SERVICE REQUESTED: COMPONENT FIRST ARTICLE TEST CLIN CONTRACT TYPE: Firm Fixed Price All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". This CLIN funds 67% of the CFAT efforts. The remaining 33% is funded on CLIN 0020AB. (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0870				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0020AB	COMPONENT FIRST ARTICLE TEST (USMC)	1	LO		$_____

SERVICE REQUESTED: COMPONENT FIRST ARTICLE TEST
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

This CLIN funds 33% of the CFAT efforts. The remaining 67% is funded on CLIN 0020AA.

(End of narrative B001)

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	0870

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0101	M1280 JLTV-GP VEHICLE				
0101AA	GENERAL PURPOSE VEHICLE (ARMY - PROC)	90	EA	$_____	$_____

COMMODITY NAME: M1280 JLTV-GP VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall deliver vehicles with installed install kits in accordance with CLIN 0106AA.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 0111AA.

(End of narrative B001)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	0330
002	4	0390
003	6	0420
004	11	0450

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	005 11 0480 006 8 0510 007 15 0540 008 17 0570 009 17 0600 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0102	M1278 JLTV-HGC VEHICLE				
0102AA	HEAVY GUNS CARRIER VEHICLE (ARMY - PROC)	4	EA	$_____	$_____

COMMODITY NAME: M1278 JLTV-HGC VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall deliver vehicles with installed install kits in accordance with CLIN 0107AA.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 0112AA.

(End of narrative B001)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	0360
002	1	0420
003	1	0450
004	1	0510

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0103	M1281 JLTV-CCWC VEHICLE				
0103AA	CLOSE COMBAT WEAPONS CARRIER VEHICLE (ARMY - PROC)	5	EA	$_____	$_____

COMMODITY NAME: M1281 JLTV-CCWC VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall deliver vehicles with installed install kits in accordance with CLIN 0108AA.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 0113AA.

(End of narrative B001)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	0360
002	1	0390
003	1	0420
004	1	0450

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	005 1 0480 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0104	M1279 JLTV-UTL VEHICLE				
0104AA	UTILITY VEHICLE (ARMY - PROC)	45	EA	$_____	$_____

COMMODITY NAME: M1279 JLTV-UTL VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall deliver vehicles with installed install kits in accordance with CLIN 0109AA.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 0114AA.

(End of narrative B001)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	0330
002	2	0390
003	4	0420
004	5	0450

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	005 6 0480 006 3 0510 007 7 0540 008 8 0570 009 9 0600 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0106	GENERAL PURPOSE INSTALLED KIT				
0106AA	GP INSTALLED KIT (ARMY - PROC)	1	LO		$_____
	SERVICE REQUESTED: GENERAL PURPOSE INSTALLED KIT CLIN CONTRACT TYPE: Firm Fixed Price The Contractor shall install 1 LOT of installed kits for GP Army vehicles under CLIN 0101AA. The LOT of installed kits for this CLIN is defined and shall be in accordance with Attachment 0084. All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin CLIN Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0600				
0107	HGC INSTALLED KITS				
0107AA	HGC INSTALLED KITS (ARMY - PROC)	1	LO		$_____
	SERVICE REQUESTED: HGC INSTALLED KITS				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	CLIN CONTRACT TYPE: Firm Fixed Price The Contractor shall install 1 LOT of installed kits for HGC ARMY vehicles under CLIN 0102AA. The LOT of installed kits for this CLIN is defined and shall be in accordance with Attachment 0084. All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin CLIN Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0510				
0108	CCWC INSTALLED KITS				
0108AA	CCWC INSTALLED KITS (ARMY - PROC) SERVICE REQUESTED: CCWC INSTALLED KITS CLIN CONTRACT TYPE: Firm Fixed Price The Contractor shall install 1 LOT of installed kits for CCWC ARMY vehicles under CLIN 0103AA. The LOT of installed kits for this CLIN is defined and shall be in accordance with Attachment 0084. All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs	1	LO		$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin CLIN Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0480				
0109	ULTILITY INSTALLED KIT				
0109AA	UTL INSTALLED KIT (ARMY - PROC) SERVICE REQUESTED: ULTILITY INSTALLED KIT CLIN CONTRACT TYPE: Firm Fixed Price The Contractor shall install 1 LOT of installed kits for UTL Army vehicles under CLIN 0104AA. The LOT of installed kits for this CLIN is defined and shall be in accordance with Attachment 0084. All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin CLIN Delivery Schedule:	1	LO		$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0600				
0111	GP PACKAGED KITS				
0111AA	GENERAL PURPOSE PACKAGED KITS (ARMY - PROC) COMMODITY NAME: GP PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".. (End of narrative B001) Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	52.242-4022. (End of narrative F001) Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0600 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
0112	HGC PACKAGED KITS				
0112AA	HEAVY GUNS CARRIER PACKAGED KITS (ARMY - PROC) COMMODITY NAME: HGC PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022.	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0510 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
0113	CCWC PACKAGED KITS				
0113AA	CLOSE COMBAT WEAPONS CARRIER PACKAGED KITS (ARMY - PROC) COMMODITY NAME: CCWC PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Packaging and Marking Inspection and Acceptance	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0480 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
0114	UTL PACKAGED KITS				
0114AA	UTILITY PACKAGED KITS (ARMY - PROC) COMMODITY NAME: UTL PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001)	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0390 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
0117	SEPM				
0117AA	SYSTEM ENGINEERING AND PROGRAM MANAGEMENT (ARMY - PROC)	6	MO		$_____
	SERVICE REQUESTED: SEPM CLIN CONTRACT TYPE: Firm Fixed Price All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001)				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

*Period of Performance

The period of performance for the this will be from contract award through six months (180 days) after contract award.

*CLIN FUNDING

This CLIN combined with CLIN 0217AA funds 100% of the SEPM efforts from date of contract award through six months (180 days) after contract award.

If the combined value of SubCLINs 0117AA and 0217AA is less than $1,515,151.52, 67% of the combined value will be attributed to 0117AA and 33% will be attributed to 0217AA. If the combined value of SubCLINs 0117AA and 0217AA is equal to or greater than $1,515,151.52, $500,000.00 will be attributed to 0217AA and the balance will be attributed to 0117AA.

(End of narrative F001)

Deliveries or Performance

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	0030
002	1	0060
003	1	0090
004	1	0120
005	1	0150
006	1	0180

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0120	TEST SUPPORT				
0120AA	TEST SUPPORT (ARMY - R&D)	1	LO		$_____

SERVICE REQUESTED: TEST SUPPORT
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

This CLIN funds 50% of the base award Test Support effort (the remaining 50% is funded on CLIN 0220AA)

(End of narrative B001)

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	1098

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0120AB	TEST SUPPORT (ARMY - PROC)	1	LO		$_____

SERVICE REQUESTED: TEST SUPPORT
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

This CLIN funds 67% of the base award Test Support effort (the remaining 33% is funded on CLIN 0220AB)

(End of narrative B001)

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	1098

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0122	IPS				
0122AA	INTEGRATED PRODUCT SUPPORT (ARMY - PROC)	1	LO		$_____

SERVICE REQUESTED: IPS
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

*CLIN Funding

This CLIN combined with CLIN 0222AA funds 100% of the IPS efforts from date of contract award through 1,098 days after contract award.

If the combined value of SubCLINs 0122AA and 0222AA is less than $3,030,303.03, 67% of the combined value will be attributed to 0122AA and 33% will be attributed to 0222AA. If the combined value of SubCLINs 0122AA and 0222AA is equal to or greater than $3,030,303.03, $1,000,000.00 will be attributed to 0222AA and the balance will be attributed to 0122AA.

(End of narrative B001)

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	1098

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0201	M1280 JLTV-GP VEHICLE				
0201AA	GENERAL PURPOSE VEHICLE (USMC - PROC)	5	EA	$_____	$_____

COMMODITY NAME: M1280 JLTV-GP VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall deliver vehicles with installed install kits in accordance with CLIN 0206AA.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 0211AA.

(End of narrative B001)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	2	0390
002	1	0420
003	1	0480
004	1	0510

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0206	GENERAL PURPOSE INSTALLED KIT				
0206AA	GP INSTALLED KITS (USMC - PROC)	1	LO		$_____
	SERVICE REQUESTED: GENERAL PURPOSE INSTALLED KIT CLIN CONTRACT TYPE: Firm Fixed Price The Contractor shall install 1 LOT of installed kits for GP USMC vehicles under CLIN 0201AA. The LOT of installed kits for this CLIN is defined and shall be in accordance with Attachment 0084. All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin CLIN Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0510				
0211	GP PACKAGED KITS				
0211AA	GENERAL PURPOSE PACKAGED KITS (USMC - PROC)	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	COMMODITY NAME: GP PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Delivery Schedule: The Contractor shall deliver the LOT of kits in accordance with the delivery schedule in 52.242-4022. The LOT is comprised of multiple kits that may require separate delivery dates. The delivery date below represents the last delivery date of the last portion of the kit(s) within the LOT. In all cases the Contractor shall follow the Delivery Schedule in 52.242-4022. (End of narrative F001) Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0510 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
0217	SEPM				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0217AA	SYSTEM ENGINEERING AND PROGRAM MANAGEMENT (USMC - PROC)	6	MO		$_____

SERVICE REQUESTED: SEPM
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

(End of narrative B001)

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

*Period of Performance

The period of performance for the this will be from contract award through six months (180 days) after contract award.

*CLIN FUNDING

This CLIN combined with CLIN 0117AA funds 100% of the SEPM efforts from date of contract award through six months (180 days) after contract award.

If the combined value of SubCLINs 0117AA and 0217AA is less than $1,515,151.52, 67% of the combined value will be attributed to 0117AA and 33% will be attributed to 0217AA. If the combined value of SubCLINs 0117AA and 0217AA is equal to or greater than $1,515,151.52, $500,000.00 will be attributed to 0217AA and the balance will be attributed to 0117AA.

(End of narrative F001)

Deliveries or Performance

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	0030
002	1	0060
003	1	0090
004	1	0120
005	1	0150

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	006 1 0180				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0219	TEST HARDWARE				
0219AA	WIRING HARNESSES FOR POWER GENERATION TESTING - 28 VDC OBVP	1	EA	$_____	$_____
	COMMODITY NAME: TEST HARDWARE CLIN CONTRACT TYPE: Firm Fixed Price All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B001) Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DAYS AFTER AWARD 001 1 0300 FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0219AB	WIRING HARNESSES FOR POWER GEN. TESTING AC EXPORT POWER KIT	1	EA	$_____	$_____

COMMODITY NAME: TEST HARDWARE
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

(End of narrative B001)

Packaging and Marking

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DOC REL CD	MILSTRIP	SUPPL ADDR	SIG CD	MARK FOR	TP CD
001					

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	0300

FOB POINT: Origin

SHIP TO:
(Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0220	TEST SUPPORT				
0220AA	TEST SUPPORT (USMC - R&D)	1	LO		$_____

SERVICE REQUESTED: TEST SUPPORT
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

This CLIN funds 50% of the base award Test Support effort (the remaining 50% is funded on CLIN 0120AA)

(End of narrative B001)

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	1098

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0220AB	TEST SUPPORT (USMC - PROC)	1	LO		$_____

SERVICE REQUESTED: TEST SUPPORT
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

This CLIN funds 33% of the base award Test Support effort (the remaining 67% is funded on CLIN 0120AB)

(End of narrative B001)

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	1098

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0222	IPS				
0222AA	INTEGRATED PRODUCT SUPPORT (USMC - PROC)	1	LO		$_____

SERVICE REQUESTED: IPS
CLIN CONTRACT TYPE:
Firm Fixed Price

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

*CLIN Funding

This CLIN combined with CLIN 0122AA funds 100% of the IPS efforts from date of contract award through 1,098 days after contract award.

If the combined value of SubCLINs 0122AA and 0222AA is less than $3,030,303.03, 67% of the combined value will be attributed to 0122AA and 33% will be attributed to 0222AA. If the combined value of SubCLINs 0122AA and 0222AA is equal to or greater than $3,030,303.03, $1,000,000.00 will be attributed to 0222AA and the balance will be attributed to 0122AA.

(End of narrative B001)

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DEL REL CD	QUANTITY	DAYS AFTER AWARD
001	1	1098

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1001	M1280 JLTV-GP VEHICLE				
1001AA	FIRST ARTICLE TEST UNEXERCISED OPTION (USMC - R&D)	1	EA	$_____	$_____
	COMMODITY NAME: M1280 JLTV-GP VEHICLE CLIN CONTRACT TYPE: Firm Fixed Price The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option. The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government. The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly. ***PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD*** (End of narrative B001) All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below: Installed Kits: Contractor shall deliver vehicles with installed install kits in accordance with CLIN 1006AA. Packaged Kits:				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 1011AA. (End of narrative B002) Packaging and Marking PACKAGING/PACKING/SPECIFICATIONS: SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517 LEVEL PRESERVATION: Commercial LEVEL PACKING: Commercial Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Government Approval/Disapproval Days: 960 Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DEL DATE 001 1 UNDEFINITIZED FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1004	M1279 JLTV-UTL VEHICLE				
1004AA	FIRST ARTICLE TEST UNEXERCISED OPTION (USMC - R&D)	1	EA	$_____	$_____
	COMMODITY NAME: M1279 JLTV-UTL VEHICLE CLIN CONTRACT TYPE: Firm Fixed Price The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option. The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government. The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly. ***PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD*** (End of narrative B001) All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below: Installed Kits: Contractor shall deliver vehicles with installed install kits in accordance with CLIN 1009AA.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Packaged Kits: Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 1014AA. (End of narrative B002) Packaging and Marking PACKAGING/PACKING/SPECIFICATIONS: SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517 LEVEL PRESERVATION: Commercial LEVEL PACKING: Commercial Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Government Approval/Disapproval Days: 960 Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DEL DATE 001 1 UNDEFINITIZED FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1006	GP INSTALLED KITS				
1006AA	FIRST ARTICLE TEST UNEXERCISED OPTION (USMC - R&D)	1	LO		$_____

SERVICE REQUESTED: GP INSTALLED KITS
CLIN CONTRACT TYPE:
Firm Fixed Price

The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option.

The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government.

The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly.

PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD

(End of narrative B001)

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

(End of narrative B002)

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DLVR SCH REL CD	QUANTITY	PERF COMPL DATE
001	1	UNDEFINITIZED

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1006AB	FIRST ARTICLE TEST UNEXERCISED OPTION (ARMY - R&D)	1	LO		$_____

SERVICE REQUESTED: GP INSTALLED KITS
CLIN CONTRACT TYPE:
Firm Fixed Price

The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option.

The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government.

The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly.

PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD

(End of narrative B001)

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

(End of narrative B002)

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DLVR SCH REL CD	QUANTITY	PERF COMPL DATE
001	1	UNDEFINITIZED

1008 CCWC INSTALLED KITS

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1008AA	FIRST ARTICLE TEST UNEXERCISED OPTION (ARMY - R&D)	1	LO		$_____

SERVICE REQUESTED: CCWC INSTALLED KITS
CLIN CONTRACT TYPE:
Firm Fixed Price

The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option.

The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government.

The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly.

PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD

(End of narrative B001)

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

(End of narrative B002)

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DLVR SCH REL CD	QUANTITY	PERF COMPL DATE
001	1	UNDEFINITIZED

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1009	UTL INSTALLED KITS				
1009AA	FIRST ARTICLE TEST UNEXERCISED OPTION (USMC - R&D)	1	LO		$_____

SERVICE REQUESTED: UTL INSTALLED KITS

The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option.

The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government.

The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly.

PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD

(End of narrative B001)

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

(End of narrative B002)

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DLVR SCH REL CD	QUANTITY	PERF COMPL DATE
001	1	UNDEFINITIZED

1009AB	FIRST ARTICLE TEST UNEXERCISED OPTION (USMC - R&D)	1	LO		$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SERVICE REQUESTED: UTL INSTALLED KITS The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option. The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government. The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly. ***PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD*** (End of narrative B001) All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B002) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance DLVR SCH REL CD: 001 — QUANTITY: 1 — PERF COMPL DATE: UNDEFINITIZED				
1011	GP PACKAGED KITS				
1011AA	FIRST ARTICLE TEST UNEXERCISED OPTION (USMC - R&D)	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	COMMODITY NAME: GP PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option. The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government. The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly. ***PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD*** (End of narrative B001) ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B002) Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	DEL REL CD QUANTITY DEL DATE 001 1 UNDEFINITIZED FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
1011AB	FIRST ARTICLE TEST UNEXERCISED OPTION (ARMY - R&D) COMMODITY NAME: GP PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option. The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government. The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly. ***PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD*** (End of narrative B001) ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B002) Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DEL DATE 001 1 UNDEFINITIZED FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
1013	CCWC PACKAGED KITS				
1013AA	FIRST ARTICLE TEST UNEXERCISED OPTION (ARMY - R&D)	1	EA	$_____	$_____
	COMMODITY NAME: CCWC PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option. The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Government. The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly. ***PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD*** (End of narrative B001) ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B002) Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DEL DATE 001 1 UNDEFINITIZED FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
1014	UTL PACKAGED KITS				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1014AA	FIRST ARTICLE TEST UNEXERCISED OPTION (USMC - R&D)	1	EA	$_____	$_____

COMMODITY NAME: UTL PACKAGED KITS
CLIN CONTRACT TYPE:
Firm Fixed Price

The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option.

The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government.

The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly.

PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD

(End of narrative B001)

For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in suppport of this CLIN are defined within Attachment 0084.

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

(End of narrative B002)

Packaging and Marking

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DEL DATE 001 1 UNDEFINITIZED FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
1014AB	FIRST ARTICLE TEST UNEXERCISED OPTION (USMC - R&D) COMMODITY NAME: UTL PACKAGED KITS CLIN CONTRACT TYPE: Firm Fixed Price The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option. The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government. The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly. ***PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD*** (End of narrative B001) ***For the purpose of this CLIN the Purchase Unit "EA" represents "LO" or LOT. The packaged kits in	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	suppport of this CLIN are defined within Attachment 0084.*** All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B002) Packaging and Marking Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DEL DATE 001 1 UNDEFINITIZED FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				
1019	GP VEHICLE CAB				
1019AA	FAT UNEXERCISED OPTION CLIN - ROOF CRUSH (ARMY - R&D) COMMODITY NAME: GP VEHICLE CAB CLIN CONTRACT TYPE: Firm Fixed Price The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option. The quantity stated for the option CLIN DOES NOT Form	1	EA	$_____	$_____

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government. The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly. ***PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD*** (End of narrative B001) All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". (End of narrative B002) Packaging and Marking PACKAGING/PACKING/SPECIFICATIONS: SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517 LEVEL PRESERVATION: Commercial LEVEL PACKING: Commercial Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DEL DATE 001 1 UNDEFINITIZED FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1019AB	FAT UNEXERCISED OPTION CLIN - ROOF CRUSH (USMC - R&D)	1	EA	$_____	$_____

COMMODITY NAME: UTL VEHICLE CAB
CLIN CONTRACT TYPE:
Firm Fixed Price

The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option.

The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government.

The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly.

PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD

(End of narrative B001)

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

(End of narrative B002)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance
DOC SUPPL

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DEL DATE 001 1 UNDEFINITIZED FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1019AC	FAT UNEXERCISED OPTION CLIN - BALLISTIC (ARMY - R&D)	1	EA	$_____	$_____

COMMODITY NAME: UTL A-STRUCTURE BALLISTIC CAB
CLIN CONTRACT TYPE:
Firm Fixed Price

The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option.

The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government.

The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly.

PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD

(End of narrative B001)

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

(End of narrative B002)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance
DOC SUPPL

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DEL DATE 001 1 UNDEFINITIZED FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1019AD	FAT UNEXERCISED OPTION CLIN - BALLISTIC (ARMY - R&D)	1	EA	$_____	$_____

COMMODITY NAME: UTL B-STRUCTURE BALLISTIC CAB
CLIN CONTRACT TYPE:
Firm Fixed Price

The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option.

The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government.

The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly.

PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD

(End of narrative B001)

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

(End of narrative B002)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance
DOC SUPPL

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DEL DATE 001 1 UNDEFINITIZED FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1019AE	FAT UNEXERCISED OPTION CLIN - BALLISTIC (USMC - R&D)	1	EA	$_____	$_____

COMMODITY NAME: GP B-STRUCTURE BALLISTIC CAB
CLIN CONTRACT TYPE:
Firm Fixed Price

The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option.

The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government.

The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly.

PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD

(End of narrative B001)

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

(End of narrative B002)

Packaging and Marking
PACKAGING/PACKING/SPECIFICATIONS:
SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517
LEVEL PRESERVATION: Commercial
LEVEL PACKING: Commercial

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance
DOC SUPPL

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DEL DATE 001 1 UNDEFINITIZED FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1021	JLTV-FOV REFURB GP VEHICLE				
1021AA	FAT UNEXERCISED OPTION CLIN - JLTV FOV REFURB (ARMY - R&D)	1	EA	$_____	$_____
	COMMODITY NAME: JLTV-FOV REFURB GP VEHICLE CLIN CONTRACT TYPE: Firm Fixed Price The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option. The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government. The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly. ***PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD*** (End of narrative B001) All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk". All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below: Installed Kits: Contractor shall install kits on vehicles under this CLIN in accordance with CLIN 1006AB.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Packaged Kits: Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 1011AB. (End of narrative B002) Packaging and Marking PACKAGING/PACKING/SPECIFICATIONS: SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517 LEVEL PRESERVATION: Commercial LEVEL PACKING: Commercial Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Government Approval/Disapproval Days: 960 Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DEL DATE 001 1 UNDEFINITIZED FOB POINT: Origin SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1021AB	FAT UNEXERCISED OPTION CLIN - JLTV FOV REFURB (ARMY - R&D)	1	EA	$_____	$_____

COMMODITY NAME: JLTV-FOV REFURB CCWC VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option.

The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government.

The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly.

PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD

(End of narrative B001)

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall install kits on vehicles under this CLIN in accordance with CLIN 1008AA.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 1013AA.

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	(End of narrative B002)				
	Packaging and Marking PACKAGING/PACKING/SPECIFICATIONS: SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517 LEVEL PRESERVATION: Commercial LEVEL PACKING: Commercial				
	Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Government Approval/Disapproval Days: 960				
	Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DEL DATE 001 1 UNDEFINITIZED				
	FOB POINT: Origin				
	SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1021AC	FAT UNEXERCISED OPTION CLIN - JLTV FOV REFURB (USMC - R&D)	1	EA	$_____	$_____

COMMODITY NAME: JLTV-FOV REFURB UTL VEHICLE
CLIN CONTRACT TYPE:
Firm Fixed Price

The Government may require the delivery of this CLIN, identified in the schedule as an option item, in the quantity and at the price stated in Attachment 0060, Option Prices. These options may be exercised by the Government in accordance with section H.1. In addition, such option may be exercised in increments, subject to the stated total additional quantity limitations, price(s), and the above-stated time for exercise of the option.

The quantity stated for the option CLIN DOES NOT Form a part of the basic contractual quantity. Part or all of it may, however, be added to the contract by exercise of the option clause, at the discretion of the Government.

The failure of the offeror to insert a unit price applicable to the option quantity shall mean that the offeror will supply all or any part of the option, if exercised by the Government, at the basic contract unit price, and the offer will be evaluated for award accordingly.

PLEASE NOTE THE LAST PARAGRAPH IS TO BE DELETED IN THE AWARD

(End of narrative B001)

All supplies and services provided under this CLIN shall comply with Section C and Section E paragraphs identified in Attachment 0060 Option Pricing Matrix, Tab: "SOW to CLIN Crosswalk".

All supplies and services in support of this CLIN are for the base vehicle variant only. All supplies and services in support of Installed Kits and packaged Kits are separately priced on CLINs indentified below:

Installed Kits:

Contractor shall install kits on vehicles under this CLIN in accordance with CLIN 1009AB.

Packaged Kits:

Contractor shall provide packaged kits with vehicles under this CLIN in accordance with CLIN 1014AB.

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	(End of narrative B002)				
	Packaging and Marking PACKAGING/PACKING/SPECIFICATIONS: SEE PACKAGING REQUIREMENTS CLAUSE 52.211-4517 LEVEL PRESERVATION: Commercial LEVEL PACKING: Commercial				
	Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Government Approval/Disapproval Days: 960				
	Deliveries or Performance DOC SUPPL REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD 001 DEL REL CD QUANTITY DEL DATE 001 1 UNDEFINITIZED				
	FOB POINT: Origin				
	SHIP TO: (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.				

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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
9001	CONTRACT DATA REQUIREMENTS LIST (CDRL)	1	LO		$ ** NSP **

SERVICE REQUESTED: EXHIBIT A

CLIN 9001 is Not Separately Priced (NSP)

The contractor shall prepare and deliver the data submissions in accordance with the requirements, quantities and schedule set for in Exhibit A - Contract Data Requirements List for all of the following:

A001 Agenda and Read-Ahead Package
A002 Minutes
A003 Integrated Master Schedule (IMS)
A004 Funds and Man-Hours Expenditure Report
A005 Contract Work Breakdown Structure (CWBS) Index and Dictionary
A006 Cost Data Summary Report (CDSR, DD Form 1921)
A007 Functional Cost - Hour Report (DD Form 1921-1)
A008 Progress Curve Report (DD Form 1921-2)
A009 Contractor Business Data Report (DD Form 1921-3)
A010 Contractor Sustainment Report (DD Form 1921-4)
A011 Software Resources Data Reporting - Initial
A012 Software Resources Data Reporting - Final
A013 Resource Distribution Table (RDT)
A014 Current and Prior Configuration Indentured Bill of Materials
A015 Authorized Stockage List (ASL) Procurement Report
A016 Service & Consumption Report
A017 Current Inventory Report
A018 Inventory Receipt Report
A019 Parts Repair Report
A020 Development Cost Report
A021 Integrated Program Management Report (IPMR)
A022 Contract Funds Status Report (CFSR)
A023 Multi-Year Procurement Estimates
A024 Cybersecurity Program Plan

(End of narrative B001)

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DLVR SCH REL CD	QUANTITY	PERF COMPL DATE
001	1	AS REQUIRED

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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
9002	CONTRACT DATA REQUIREMENTS LIST (CDRL) SERVICE REQUESTED: EXHIBIT B CLIN 9002 is Not Separately Priced (NSP) The contractor shall prepare and deliver the data submissions in accordance with the requirements, quantities and schedule set for in Exhibit B - Contract Data Requirements List for all of the following: B001 CPCP and Finishes Report B002 Joint Interfaces, Materials, and Coatings B003 Contractor Corrosion Team Log B004 Engine Emissions Analysis Report B005 Wiring Diagrams B006 Anti-Tampering Plan (replace) B007 System Interoperability Report (replace) B008 Cybersecurity Accreditation Artifact Package B009 Risk Tracking Reports B010 Product Baseline List (PBLI) B011 Configuration Management Plan (CMP) B012 Hazard Tracking Log B013 Safety Assessment Report B014 LI Battery Safety Data Pkg B015 Hazardous Materials Management Report B016 HESAR B017 Manufacturing Development Strategy_UPDATED B018 ESOH Program Plan B019 Tactical Public Key Infrastructure (TPKI) Implementation Analysis B020 Software Development Plan (SDP) B021 Configuration Audit Summary Report B022 Configuration Status Accounting Information (CSAI) B023 Engineering Change Proposal (ECP) B024 Value Engineering Change Proposal (VECP) B025 Request for Deviation (RFD) B026 HSI Log B027 Software Test Plan (STP) B028 Cybersecurity Log Management Plan B029 Cybersecurity Vulnerability Management Software Maintenance Plan B030 Physical Configuration Audit (PCA) Plan B031 Data Accession List (DAL) B032 Interface Control Documents B033 Software Test Report (STR) B034 SLDD B035 Part Number Report B036 Reserved B037 Software Images and Executables (replace) B038 System Engineering Management Plan (SEMP) B039 Vulnerability and Analysis Input Data B040 CAE Models27May2014 B041 Production Technical CAD Data 27May2014 B042 PD Report	1	LO		$ ** NSP **

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	B043 Growth Margin Analysis B044 Vehicle Specification Sheets B045 E3 Performance Report 4-30-2014 B046 Co-site Antenna Optimization Report 4-30-2014 B047 Vehicle Network Configuration Package B048 Transportability Report (replace) B049 HMS B050 Source Code B051 CDRL Software Version Description B052 CriticalCompSuppList B053 Critical Functional Analysis B054 GSIL Technical Documents (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance DLVR SCH REL CD / QUANTITY / PERF COMPL DATE 001 / 1 / AS REQUIRED				

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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
9003	CONTRACT DATA REQUIREMENTS LIST (CDRL) SERVICE REQUESTED: EXHIBIT C CLIN 9003 is Not Separately Priced (NSP) The contractor shall prepare and deliver the data submissions in accordance with the requirements, quantities and schedule set for in Exhibit C - Contract Data Requirements List for all of the following: C001 IPS Program Management Plan C002 Kit Installation Instructions (NEW CDRL) C003 IPS Management Control Log C004 Logistics Product Data C005 Logistics Product Data Plan C006 LORA C007 Reliability Centered Maintenance (RCM) Program C008 SAIP Initial Spares List C009 ASL C010 System Support Package (SSP) C011 Copyright Release C012 Technical Manual Book Plan C013 Interactive Electronic Technical Manual (IETM) Content Plan C014 Technical Manual Schedule and Status Report C015 Interactive Electronic Technical Manual (IETM) Software Schedule and Status Report C016 Technical Publications Cost Report C017 Technical Publications Development Reviews C018 Technical Publication Q and A Plan C019 Technical Publications Validation Plan C020 NMWR Delivery C021 Technical Publication Validation Certification C022 Content Management System (CMS) C023 Log Demo Results Report C024 Provisioning Plan and Analysis C025 Pre Procurement Screening Data C026 Logistics Product Data (LPD) Coded Products Packaging C027 Special Packaging Instruction (SPI) C028 Packaging Validation Test Report C029 Equipment Preservation Data Sheet (EPDS) C030 EPDS Validation Report C031 Container Design Retrieval System (CDRS) Search Request C032 Concept Drawing LLRC C033 Packaging Test Plan C034 Container Fit-Up Validation Report C035 LLRC Test Report C036 Product Drawing Models and Associated Lists C037 Training Program Development and Management Plan (TMP) C038 Training Program Development Reports C039 Training Support Package C040 Course Certificates	1	LO		$ ** NSP **

DRAFT

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	C041 Class Demographic Data C042 After Instruction Report (USMC) After Action Review (Army) and End of Course Survey C043 Training Task Data C044 Learning Analysis Report C045 Lesson Plans C046 Instructors Guide C047 Student Guides C048 Training Test Package C049 Job Aids C050 Web-Based Interactive Courseware (ICW)CDRL (2) C051 Instructional Media Design Plan C052 Instructional Media Package (Storyboards) (2) C053 Item Unique Identification (IUID) Marking Plan C054 IUID Validation and Verification Report C055 Unique Item Identifier Report C056 The Army Maintenance Management System (TAMMS) C057 Pass Through Warranty C058 Production Report C059 Parts Management Program Plan C060 DMSMS IMPLEMENTATION PLAN C061 DMSMS Obsolescence Report C062 Health Status Report C063 Quarterly Status Report C064 Annual Progress Report C065 Failure Reporting and Corrective Action System (FRACAS) C066 After Action Report C067 Compliance Report C068 Turn Around Time Report C069 Reserved C070 Prohibited parts C071 Inventory Plan C072 Obsolete Material C073 Cybersecurity Vulnerability Report C074 Material and Equipment Purchases C075 Phase-Out Plan C076 DA Form 3161 Submittal C077 Database Requirements C078 Post Fielding Status Report C079 Post Fielding TPF Documentation C080 Weekly Fielding Reports C081 Joint Inventory Report C082 After Action Report C083 Inventory and Deficiencies C084 Deprocessing Checklist C085 Training Products C086 Training Management Plan C087 Instructor Certification C088 Training Syllabus and POI C089 Training Material Changes C090 Course Certificates C091 Class Demographic Data C092 After Instruction Report After Action Report End of Course Survey C093 Training Support Packages C094 Vehicle Care and Storage C095 Vehicle Checklist (End of narrative B001)				

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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance DLVR SCH PERF COMPL REL CD QUANTITY DATE 001 1 AS REQUIRED				

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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
9004	CONTRACT DATA REQUIREMENTS LIST (CDRL)	1	LO		$ ** NSP **

SERVICE REQUESTED: EXHIBIT D

CLIN 9004 is Not Separately Priced (NSP)

The contractor shall prepare and deliver the data submissions in accordance with the requirements, quantities and schedule set for in Exhibit D - Contract Data Requirements List for all of the following:

D001 RAM MANAGEMENT PLAN
D002 RAM PREDICTION REPORT
D003 RELIABILITY IMPROVEMENT PLAN
D004 FAILURE MODE TRACKING REPORT
D005 System-Level Verification Test Plan
D006 System-Level Verification Test Report
D007 Vehicle Design Changes
D008 Failure Analysis and Corrective Action Report (FACAR)
D009 RAM Scoring Conference Package
D010 RAM Assessment Conference Package

(End of narrative B001)

Inspection and Acceptance
INSPECTION: Origin ACCEPTANCE: Origin

Deliveries or Performance

DLVR SCH REL CD	QUANTITY	PERF COMPL DATE
001	1	AS REQUIRED

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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
9005	CONTRACT DATA REQUIREMENTS LIST (CDRL) SERVICE REQUESTED: EXHIBIT E CLIN 9005 is Not Separately Priced (NSP) The contractor shall prepare and deliver the data submissions in accordance with the requirements, quantities and schedule set for in Exhibit E - Contract Data Requirements List for all of the following: E001 CDRL Quality Manual E002 CDRL Component First Article Test Plan E003 CDRL Component First Article Test Report E004 CDRL First Production Vehicle Inspection Report E005 CDRL Certification Requirements E006 CDRL Analysis Requirements E007 CDRL Welding Data Acquisition E008 CDRL Final Inspection Record E009 CDRL PRODUCT QUALITY DEFICIENCY REPORT (PQDR) E010 CDRL STATISTICAL PROCESS CONTROL (METRICS) (End of narrative B001) Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance DLVR SCH REL CD — QUANTITY — PERF COMPL DATE 001 — 1 — AS REQUIRED	1	LO		$ ** NSP **
9006	CONTRACTOR MANPOWER REPORTING				
9006AA	JLTV LRIP AND FRP CONTRACTOR MANPOWER REPORTING SERVICE REQUESTED: CONTRACTOR MANPOWER REPORTING The Contractor shall provide the information required by the Contract Clause entitled CONTRACT MANPOWER REPORTING (CMR), TACOM clause 52.237-4000, in Section C. (End of narrative B001)	1	LO		$ ** NSP **

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Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin Deliveries or Performance DLVR SCH REL CD / QUANTITY / PERF COMPL DATE 001 / 1 / AS REQUIRED				

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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

	Regulatory Cite	Title	Date
C-1	52.204-4600	TRUSTED ASSOCIATE SPONSORSHIP SYSTEM (TASS) PROGRAM	OCT/2013

The contractor is responsible for processing applications for Common Access Cards (CAC) for every contractor employee who deploys with the military force, OR who has need to access any government computer network in accordance with FAR 52.204-9, Personal Identity Verification of Contractor Personnel.

The contractor is responsible for managing requests for new or renewal CAC cards in sufficient time to ensure that all contractor employees have them when needed to perform work under this contract. The norm is at least ten calendar days advance notice to the Trusted Agent* (TA), unless there are extenuating circumstances approved by the Contracting Officers Representative (COR) or Contracting Officer. *The COR will be the TA for this contract.

The contractor shall obtain an Army Knowledge Online (AKO) email address for each applicant, including subcontractors, who may be deployed or require logical access to a government computer network. This can be done by going to http://www.us.army.mil and register as an Army Guest with the sponsor being the COR. Note: If a contractor employee loses the privilege to access AKO, they lose the ability to renew their CAC. Therefore it is critical that contractor employees maintain their AKO accounts.

It is recommended that a Corporate Facility Security Officer (FSO) be established to serve as your firms single point of contact for Trusted Associate Sponsorship System (TASS). If a FSO is not established, each contractor employee requiring a CAC card will be required to process their own applications.

CAC applications must be processed through the DoDs TASS. The contractors FSO or contractor employee shall submit requests for a CAC via email to the TASS Trusted Agent (TA) at james.a.daily2.civ@mail.mil before accessing the TASS website.

The government will establish a TASS application account for each CAC request and will provide each contractor employee a USER ID and Password via email to the FSO. The FSO or contractor employee shall access the TASS account and complete the CAC application (entering/editing contractor information as applicable) at https://www.dmdc.osd.mil/tass/operator/consent?continueToUrl=%2Ftass%2Findex.jsp.

The FSO or contractor employee will submit completed applications in TASS, and will follow up to ensure that the TA is processing the request.

The government will inform the contractors applicant via email of one of the following:

- Approved*. Upon approval, the information is transferred to the Defense Enrollment Eligibility Reporting System (DEERS) database and an email notification is sent to the contractor with instructions on obtaining their CAC. The contractor proceeds to a Real-Time Automated Personnel Identification System (RAPIDS) station (https://www.dmdc.osd.mil/rsl/ provides RAPIDS locations).

- Rejected*. Government in separate correspondence will provide reason(s) for rejection.

- Returned. Additional information, or correction to the application, required by the contractor employee.

*The contractor will maintain records of all approved and rejected applications.

At the RAPIDS station, the RAPIDS Verification Officer will verify the contractor by SSN, and two forms of identification, one of which must be a picture ID. The Verification Officer will capture primary and alternate fingerprints and picture, and updates to DEERS and will then issue a CAC.

Issued CACs shall be for a period of performance not longer than three (3) years or the individuals contract end date (inclusive of any options) whichever is earlier.

The contractor shall return issued CACs to the DEERS office upon return from deployment, departure or dismissal of each contractor employee. A receipt for each card must be obtained and provided to the TA/COR.

A CAC cannot be issued without evidence that a National Agency Check with Written Inquires (NACI) has at least been initiated by the FSO. TASS will be linked to the Joint Personnel Adjudication System (JPAS) in the near future. The TA will have to verify via JPAS that the NACI has been initiated by the FSO before he/she can approve a contractor request for a CAC.

Details and training on TASS are available on AKO at https://www.us.army.mil/suite/portal/index.jsp or by contacting the CAC helpdesk at cacsupport@mail.mil or 866-738-3222.

(End of Clause)

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C-2 52.209-4020 (TACOM) ANTI-TERRORISM (AT) LEVEL I TRAINING REQUIREMENT JUL/2014

All contractor employees, including subcontractor employees, requiring access to Army installations, facilities, or controlled access areas shall complete AT Level I awareness training within 60 calendar days after contract start date or effective date of incorporation of this requirement into the contract, whichever applies. The contractor shall submit certificates of completion for each contractor employee and subcontractor employee requiring access to Army installations, facilities, or controlled access areas to the COR (or to the contracting officer, if a COR is not assigned) within 60 calendar days after completion of training AT Level I awareness training is available at https:jkodirect.jten.mil Course# JS-UA007-14.

C-3 52.209-4022 (TACOM) iWATCH TRAINING JUL/2012

The contractor and all associated subcontractors shall brief all employees on the local iWATCH program (training standards provided by the requiring activity Anti-Terrorism Officer (ATO)). This locally developed training will be used to inform employees of the types of behavior to watch for and instruct employees to report suspicious activity to the COR. This training shall be completed within 60 calendar days of contract award and within 60 calendar days of new employees commencing performance, with the results reported to the COR no later than 60 calendar days after contract award. Training may be obtained at http://www.myarmyonesource.com/familyprogramsandservices/iwatchprogram/default.aspx.

(End of Clause)

C-4 52.204-4021 (TACOM) CONTRACTOR EMPLOYEES WHO REQUIRE ACCESS TO GOVERNMENT INFORMATION SYSTEMS JUN/2012

All contractor employees shall be registered in the ATCTS (Army Training Certification Tracking System) at commencement of services and must successfully complete the DoD Information Assurance Awareness training prior to access to the information system, and annually thereafter.

(End of Clause)

C-5 52.204-4022 (TACOM) REQUIREMENT FOR AN OPSEC STANDING OPERATION PROCEDURE/PLAN JAN/2014

a. The contractor is subject to provisions of the TACOM LCMC OPSEC Standing Operating Procedures (SOP/Plan), or other U.S. Government OPSEC plan, per AR 530-1, Operations Security. This SOP/Plan specifies the governments critical information, why it needs to be protected, where it is located, who is responsible for it, and how to protect it.

b. The contractor will receive a copy of the SOP/Plan at time of award. Local form STA Form 7114 (or similar) will be used to document and record security OPSEC reviews which are conducted by G2, TACOM LCMC or individual organizations supporting OPSEC Officers.

c. The contractor shall identify an individual who will be an OPSEC Coordinator. The contractor will ensure that this individual is OPSEC Level I.

(End of Clause)

C-6 52.209-4021 (TACOM) ANTI-TERRORISM (AT) AWARENESS TRAINING REQUIREMENT FOR CONTRACTOR PERSONNEL TRAVELING OVERSEAS JUN/2012

Contractor employees and associated subcontractor employees shall receive government-provided Anti-Terrorism (AT) awareness training

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specific to the area of responsibility (AOR) as directed by AR 525-13. Specific AOR training content is to be directed by the combatant commander, with the unit Anti-Terrorism Officer (ATO) being the local point of contact.

(End of Clause)

C-7 52.209-4023 (TACOM) OPSEC TRAINING REQUIREMENT JUN/2012

Per AR 530-1, Operations Security, new contractor employees must complete Level I OPSEC training within 30 calendar days of reporting for duty. All contractor employees must complete annual OPSEC awareness training.

(End of Clause)

C-8 52.209-4024 (TACOM) INFORMATION ASSURANCE (IA)/INFORMATION TECHNOLOGY (IT) TRAINING JUN/2012

All contractor employees and associated subcontractor employees must complete the DoD IA awareness training before issuance of network access and annually thereafter. All contractor employees working IA/IT functions must comply with DoD and Army training requirements in DoDD 8570.01, DoD 8570.01-M, and AR 25-2 within six months of employment.

(End of Clause)

C-9 52.237-4000 (TACOM) CONTRACTOR MANPOWER REPORTING (CMR) FEB/2013

The Office of the Assistant Secretary of the Army (Manpower & Reserve Affairs) operates and maintains a secure Army data collection site where the contractor will report ALL contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract via secure data collection site. The contractor is required to completely fill in all required data fields in the format using the following web address: https://cmra.army.mil . The required information includes the following:

(1) Contracting Office, Contracting Officer, Contracting Officer's Technical Representative;

(2) Contract number, including task and delivery order number;

(3) Beginning and ending dates covered by reporting period;

(4) Contractor name, address, phone number, e-mail address, identity of contractor employee entering data;

(5) Direct labor hours (including sub-contractors);

(6) Direct labor dollars paid this reporting period (including sub-contractors);

(7) Total payments (including sub-contractors);

(8) Predominant Federal Service Code (FSC) reflecting services provided by contractor (and separate predominant FSC for each sub-contractor if different);

(9) Data collection cost;

(10) Organizational title associated with the Unit Identification Code (UIC) for the Army Requiring Activity (the Army Requiring Activity is responsible for providing the contractor with its UIC for the purposes of reporting this information);

(11) Locations where contractor and sub-contractors perform the work (specified by zip code in the United States and nearest city, country, when in an overseas location, using standardized nomenclature provided on website);

(12) Presence of deployment or contingency contract language; and

(13) Number of contractor and sub-contractor employees deployed in theater this reporting period (by country).

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Reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year, beginning with 2013. Contractors may direct questions to the help desk at : https://cmra.army.mil.

End of Clause]

TABLE OF CONTENTS

C.1 GENERAL

C.1.1 SYSTEM REQUIREMENT
C.1.2 PROGRAM SCHEDULE AND DATA
C.1.3 MEETINGS/AUDITS/ASSESSMENTS/REVIEWS
C.1.4 BUSINESS MANAGEMENT
C.1.5 PROGRAM PROTECTION
C.1.6 INFORMATION SECURITY
C.1.7 GOVERNMENT FURNISHED EQUIPMENT (GFE)AND INTEGRATION AND GOVERNMENT FURNISHED INFORMATION (GFI)

C.2 PRODUCTION

C.2.1 SYSTEMS ENGINEERING
C.2.2 RELIABILITY, AVAILABILITY, AND MAINTAINABILITY (RAM) PROGRAM
C.2.3 INTEGRATED PRODUCT SUPPORT (IPS)
C.2.4 VERIFICATION AND VALIDATION ACTIVITIES
C.2.5 TEST DEFICIENCIES AND FAILURES
C.2.6 TECHNICAL DATA PACKAGE PURCHASE OPTION

C.3 SYSTEM TECHNICAL SUPPORT

C.3.1 GENERAL
C.3.2 SYSTEM ENGINEERING AND TECHNICAL EFFORT DESCRIPTION
C.3.3 GENERAL FIELD SERVICE REPRESENTATIVE

C.4 INTERIM CONTRACTOR SUPPORT

C.4.1 INTERIM CONTRACTOR SUPPORT OBJECTIVES
C.4.2 INTERIM CONTRACTOR SUPPORT OPTIONS
C.4.3 CONTRACTING OFFICERS REPRESENTATIVE
C.4.4 TECHNICAL SUPPORT AND SERVICES
C.4.5 INTERIM CONTRACTOR SUPPORT METRICS REPORTING
C.4.6 GOVERNMENT PROVISIONS
C.4.7 CONTRACTOR PROVISIONS
C.4.8 SPARES and PARTS MANAGEMENT
C.4.9 FIELD LOGISTICS MANAGEMENT (FLM)
C.4.10 INVENTORY MANAGEMENT
C.4.11 WARRANTY MANAGEMENT
C.4.12 CONFIGURATION MANAGEMENT
C.4.13 SOFTWARE UPDATES
C.4.14 CYBERSECURITY VULNERABILITY MANAGEMENT

C.5 TOTAL PACKAGE FIELDING

C.5.1 GENERAL
C.5.2 GOVERNMENT FURNISHED ITEMS AND SERVICES
C.5.3 CONTRACTOR FURNISHED ITEMS AND RESPONSIBILITIES
C.5.4 TOTAL PACKAGE FIELDING TASKS
C.5.5 PHYSICAL SECURITY PLAN
C.5.6 SAFETY PLAN

C.1 GENERAL

This Statement of Work (SOW) encompasses the initial Production and Deployment phase requirements of the Joint Light Tactical Vehicle (JLTV) program.

This SOW consists of the supplies and services required for Production (including vehicles, trailers, kits, test assets and refurbishment of test assets), Program Support (including Program Management, Configuration Management, Integrated Product Support

DRAFT

(IPS), and Test Support), System Technical Support (STS), Interim Contractor Support (ICS), Total Package Fielding (TPF), Storage and Maintenance of hardware procured, and an option to procure a Technical Data Package (TDP) for JLTV Family of Vehicles (FoV).

The Contractor, as an independent Contractor and not as an agent or employee of the US Government, shall furnish all data, supporting labor, supplies, services, facilities and equipment as required under this contract.

C.1.1 SYSTEM REQUIREMENT
The Contractor shall produce the JLTV FoV in conformance with the requirements of the JLTV Purchase Description (Attachment 0001). The contract will include requirements for the Government to procure Contractor Furnished Equipment kits for integration into the vehicles. The kits are defined in the JLTV Purchase Description (Attachment 0001). Installed kits procured by the Government shall be installed into the vehicles by the Contractor prior to vehicle delivery to the Government in accordance with (IAW) the JLTV LRIP and FRP Vehicle Kit Matrix (Attachment 0084). Packaged kits procured by the Government shall be packaged and prepared for shipment by the Contractor and delivered to the Government IAW the JLTV LRIP and FRP Vehicle Kit Matrix (Attachment 0084). The Contractor shall not create or define any additional "kits" to meet the requirements of the contract. The components and systems of the kit must be contributive to the function described by the kit, no additional components may be added that are not relevant to the function of the kit.

C.1.1.1 JLTV FoV Definition
The term "JLTV FoV" is defined as being comprised of two variants, a four-seat and a two-seat variant, a companion trailer (JLTV-T) and associated kits. The four-seat variant has two Base Vehicle Platforms: the General Purpose (GP) Platform (which includes the Heavy Guns Carrier mission package) and the Close Combat Weapons Carrier (CCWC) Platform. The two-seat variant has one base vehicle platform: the Utility (UTL).

Each base vehicle platform will be configured as a Mission Package Configuration through the installation of Mission Packages as defined in Annex K of the JLTV Purchase Description (Attachment 0001).

JLTV Mission Package Configurations:
- M1280 General Purpose (JLTV-GP)
- M1278 Heavy Guns Carrier (JLTV-HGC)
- M1281 Close Combat Weapons Carrier (JLTV-CCWC)
- M1279 Utility (JLTV-UTL)

C.1.2 PROGRAM SCHEDULE and DATA

C.1.2.1 Integrated Master Plan
The Contractor shall manage the JLTV program IAW the Government provided Integrated Master Plan (IMP) (Attachment 0002, IMP), and the Government approved Integrated Master Schedule (IMS) (reference CDRL A003, IMS). The IMP outlines significant accomplishments and Exit Criteria for the program's major events that shall be satisfied to accomplish the work under this contract through a Full Rate Production decision. The Contractor shall report on program progress at each Program Management Review, and meetings, audits, assessments, and reviews in accordance with (IAW) the IMP.

C.1.2.2 Integrated Master Schedule (IMS)
The Contractor shall develop, maintain, and deliver an IMS which shall be directly traceable to the IMP and be consistent with the Contract Work Breakdown Structure (CWBS) (reference CDRL A005, Contract Work Breakdown Schedule) and time-phasing of the Performance Measurement Baseline (reference C.1.4.3.1). The IMS shall contain logically networked, detailed program activities encompassing contract milestones, events, decision points, critical subcontract tasks or hand-offs, external dependencies, vehicle production, Government Furnished Equipment, Government Furnished Information, Interim Contractor Support (ICS) work requirements, exit criteria, discrete tasks and activities (as described in DI-MGMT-81861 within CDRL A003, IMS), and planning packages to budget for early baseline planning, from contract award through FRP approval. After FRP approval, only IPS and STS scope must be tracked and recorded in the IMS.

The IMS shall also incorporate all subcontractor discrete tasks and activities (as described in DI-MGMT-81861 within CDRL A003, IMS) as tasks within the prime IMS on the following components: Armor, Transmission and Driveline, Suspension, Engine, C4I (Command, Control, Communications, Computers, and Intelligence), Trailers, and IPS. Additionally, all efforts performed by a Subcontractor not identified in the former list of components above but equal or exceed 10 percent of the value of this contract shall be incorporated as tasks within the prime IMS.

The IMS shall clearly identify critical path activities and reflect risk mitigation tasks. (CDRL A003, IMS)

C.1.2.3 Internet-Based Collaboration
The JLTV Integrated Data Environment (IDE) consists of internet-based collaboration tools (defined below) that shall be used to facilitate information sharing and collaboration within a secure Government server environment that provides controlled, distributed access to JLTV program information, both released and in-work. Types of information that shall be processed and maintained within the IDE will consist of JLTV program documents, reports, program management data, meeting-related information, modeling and simulation analysis data, pertinent manufacturing information, and Government and Contractor test data, consistent with the JLTV Security Classification Guide (reference Attachment 0003, DD254). Any posting to the IDE is considered a data deliverable in the context of DFARS

DRAFT

Data Rights clauses including 252.227-7013 and 252.227-7014. The IDE shall be used only for sharing unclassified or FOUO information. When submitting classified information, follow the NISPOM Chapter 5 instructions and DD Form 254 (reference Attachment 0003, DD254) using the below mailing address:

SFAE-CSS-JL
6501 E. 11 Mile Rd, MS 640
Attn: JLTV Security Officer
Warren, MI 48397

The Contractor shall notify appropriate Government personnel via e-mail when new or updated documents are posted to a collaboration environment. The notification email shall include a hyperlink to the location of the posted content.
Correspondence to the Procuring Contracting Officer or organizations outside JPO JLTV shall not be submitted via an internet-based collaboration tool without prior authorization.

IDE collaboration tools: The Contractor shall use the JLTV SharePoint server to facilitate unclassified, secure internet-based information sharing between JLTV program participants. SharePoint will also serve as the primary means of submitting unclassified FOUO Contract Data Requirements List (CDRL) items, unless otherwise stated within a specific CDRL item. The Contractor shall conduct Contractor-Government internet conferencing (web meetings) using Government approved systems such as the Defense Connect Online (DCO) conferencing tool. The Contractor shall use VDLS [VISION (Versatile Information Systems Integrated On-Line Nationwide) Digital Library System] to access unclassified data from Government testing, and Secret VDLS for classified test data. The Government will provide details on specific IDE tools, requirements for access, and approach for use at the Contract SOWM.

The Government will sponsor Army Knowledge Online (AKO), SharePoint, DCO, VDLS, Secret VDLS, and other required accounts for Contractor use. Details will be provided at the Contract SOWM. The Government can only sponsor accounts for U.S. Citizens. The Contractor shall provide names, contact information, level of access (upload or download), and training required for personnel requiring access to these tools no later than (NLT) Contract SOWM, for all systems except VDLS. The list of Contractor personnel requiring VDLS access shall be provided to the Government 60 days prior to the Test Readiness Review (TRR). In order to access these systems, the Contractor shall have or obtain External Certification Authority (ECA) Certificates, Federated Bridge Certificates, and/or DoD Common Access Cards (CAC) for appropriate personnel. For details on CACs reference C.1.2.4. Details on the ECA program and authorized ECA vendors can be found at: http://iase.disa.mil/pki/eca/ and details on the Federated bridge program can be found at: http://iase.disa.mil/pki-pke/interoperability/Pages/index.aspx. Request for access to any other Government systems shall go through the PCO.

C.1.2.4 Common Access Cards Automated Contractor Verification System

C.1.2.4.1 CAC Applications
The Contractor shall appoint an Information Assurance Officer to process Common Access Card (CAC) applications for its employees and Subcontractor employees in accordance with FAR 52.204-9, Personal Identity Verification of Contractor Personnel, DoD Directive 8190.3 Smart Card Technology and DoD Instruction 8520.2 Public Key Infrastructure and Public Key Encrypt.

C.1.2.4.2 Requests for CAC
The Contractor shall submit requests for CAC via email to the COR.

C.1.2.4.3 Contractor Verification System
The Government will establish a Contractor Verification System (CVS) application account for each CAC request and provide each Contractor and Subcontractor employee a USER I.D. and Password via email.

C.1.2.4.4 CVS Access
The Contractors and subcontractors employees shall access the CVS account and complete the CAC application.

C.1.2.4.5 CAC Request Status
The Government will inform the Contractors and subcontractors employee via email the status of the CAC request. The status will be one of the following: (1) Approved; Contractor shall proceed to nearest Real-Time Automated Personnel Identification System (RAPID) Defense Enrollment and Eligibility Reporting System (DEERS) location to obtain CAC. (2) Returned; additional information or correction to application required by Contractor employee. (3) Rejected; Government in separate correspondence will provide reason(s) for rejection.

C.1.2.4.6 Approved and Rejected Applications
Contractor shall maintain records of all approved and rejected CAC applications.

C.1.2.4.7 CAC Period of Performance
Issued CACs may be for a period of performance not longer than three years or the contract performance completion date (inclusive of all options), whichever is earlier. If a requirement for a CAC exists beyond three years, the Contractor shall submit a new request.

C.1.2.4.8 CAC Return
The Contractor shall return issued CACs to the DEERS office IAW FAR 52.204-9. The contactor shall notify the Government of all CACs returned to the DEERS Office.

DRAFT

C.1.2.5 Data Deliverables
The Contractor shall deliver to the Government all information, technical data and software required under this Scope of Work (SOW). UNLESS OTHERWISE SPECIFICALLY PROVIDED, the Contractor shall DELIVER, mark, AND GRANT RIGHTS IN all SUCH Technical data AND SOFTWARE deliverables IAW DFARS 252.227-7013, 252.227-7014, 252.227-7015, and 252.227-7017.

All CDRLs requiring data related to Mission Package Configurations shall specifically address any unique differences in the Mission Package Configurations. One CDRL submission may address all Mission Package Configurations.

The Contractor shall deliver all data in the English language.

All electronic data submitted shall be in an editable Microsoft (MS) Office Suite and Windows 2007 compatible format unless specified otherwise in the CDRL.

The Contractor shall annotate the following information in the electronic cover letter for the submission:

Contract Number
CDRL, Revision Number, and Item (A001-002 TRANS RPT)
Delivery Type (Draft, Final)
Due Date
Submittal Date
Contractor Name

The Contractor shall include a revision record that identifies the corresponding revision annotation, the due date, and the description of the change For example: A001-002 is the second submission of CDRL A001.

All electronic data shall be submitted via SharePoint (see Internet-Based Collaboration section for details) unless specified differently in the CDRL.

The Contractor shall use the following naming convention for electronic files submitted:

CDRL Number
Revision Number
Delivery Type (Draft, Final)

Due Date
For example: A001-001_Draft_01Aug2012.doc

The Procuring Contracting Officer (PCO) or Contracting Officer Representative (COR) is the approving authority for all CDRLs delivered under this contract.

The Contractor shall be prepared to brief and display information used to create each CDRL at IPT meetings, Program Management Reviews (PMR), as well as major reviews IAW the IMP.

C.1.2.6 Internal Management Data Accession List

The contractor shall compile an index (an Internal Management Data Accession List (DAL)) that identifies contractor internal management data which has been generated by the contractor in compliance with the work effort described in the Statement of Work. For each of the listed contractor internal management data items, the DAL shall identify the format, content, and intended use of these data items resulting from the work tasks described in Section C. As the list of contractor internal reports and data items evolves over time, the contractor shall update the initial list of these internal reporting and management artifacts and deliver it to the Government in accordance with the CDRL B031, DAL. These internally developed data items are in addition to the data deliverable requirements under the contract (CDRL items) and are not substitutes for data requirements that are contractually applied. Contractually required data deliverables do not need to be listed on the DAL.

C.1.3 MEETINGS, AUDITS, ASSESSMENTS and REVIEWS

C.1.3.1 Participation and Administration
Unless otherwise specified in the paragraphs below, all meetings, audits, assessments, and reviews shall be hosted by the Contractor. The Contractor's hosting duties and responsibilities shall consist of all functions related to the preparation and execution of the meetings, audits, assessments, and reviews to include providing facility, sending invitations, media resources, security, minutes, and hard copy materials.

C.1.3.1.1 Agenda and Read-Ahead Packages

DRAFT

The Contractor shall submit an agenda and read-ahead package for all meetings, audits, assessments, and reviews in section C.1.3 IAW CDRL A001, Agenda and Read-Ahead Package. If a meeting, audit, assessment, or review is listed in the IMP as an event, the agenda for that event shall, at a minimum, address the information necessary to accomplish the exit criteria in the IMP (reference Attachment 0002, IMP).

C.1.3.1.2 Minutes
The Contractor shall record and provide minutes for all meetings, audits, assessments, and reviews in section C.1.3 and otherwise called out in this contract. The Contractor's recorder shall be identified at the beginning of each event. (CDRL A002, Minutes)

C.1.3.1.3 Invitations
Government participants will be identified by the Government Program Office. The Contractor shall send invitations for all meetings, audits, assessments, and reviews in section C.1.3 and otherwise called out in this contract not less than seven (7) days prior to the event. Invitations are not required for daily and weekly meetings.

C.1.3.2 Start of Work Meeting
The Contractor shall conduct a Contract Start of Work Meeting (SOWM), at the Contractor's facility within 30 days after Contract Award. This meeting will introduce and align the Government and Contractor teams. The Contract SOWM will consist of a SOW review and an IMS Review. For planning purposes, this meeting is anticipated to be a five consecutive day event.

The Contractor shall present their organizational Key Roles at the Contract SOWM and shall discuss the plan for communicating and transitioning personnel changes.

The IMS review will verify the Contractor's use of a reliable performance baseline that includes the pertinent contract SOW, consistent with contract schedule requirements. At a minimum, the read-ahead package shall include:

(a) A draft agenda including schedules, locations, and participants (with title)
(b) Program and Functional organizations, including names and titles of responsible individuals
(c) Time phased staffing plan
(d) Critical Path Analysis
(e) Risk Register
(f) Additional read-ahead requirements may be requested prior to the start of the review

C.1.3.3 Program Management Level IPT Meetings
The Contractor shall conduct at a minimum monthly Program Management (PM) Level IPT Meetings. The PM Level IPT Meetings shall commence one month following the Contract SOWM. The monthly PM Level IPT meetings will not be conducted on the months when a Program Management Review (PMR) is held. The meetings shall include Contractor program management personnel and working level IPT personnel to address cost, schedule, performance, risk status, and the Contractor shall be prepared for detailed discussion with the Government. Technical issues shall be presented in terms of performance requirements, design, exit criteria, schedule progress, risk and mitigation, and cost impact. For planning purposes, these meetings are anticipated to be a one (1) day event.

C.1.3.4 Program Management Review
The Contractor shall conduct quarterly PMRs, beginning with the first quarter after contract award. The PMRs shall include Contractor senior-level program management personnel. The Contractor shall present, at each PMR, cost, schedule, performance, and risk status and address the following:

a. Program Overview and Status
b. Business Management and Contract Review
c. System Engineering
d. Configuration Management
e. Supportability & Logistics Review including IPS, ICS, and TPF.
f. System Technical Support (STS)
g. Schedule Reviews including Integrated Master Schedule (IMS) Review
h. Test Verification and Validation Activities

The Contractor shall be prepared for a detailed discussion with the Government. Issues shall be presented in terms of performance goals, exit criteria, schedule progress, risks and mitigation, and cost impact. For planning purposes, these meetings are anticipated to be a one (1) day event.

C.1.3.5 Systems Engineering Reviews

C.1.3.5.1 Systems Engineering Integrated Product Teams
The Contractor shall conduct semi-annual SE IPTs. The first meeting shall take place no later than three months after contract award. The SE IPT shall include all functional and vehicle element engineering. The Contractor shall present the following:

DRAFT

a. Process and Plan status
b. Configuration Control Board (CCB) status
c. Manufacturing status
d. System Technical Support (STS) status
e. Software status
f. Cybersecurity status
g. System safety status
h. Human Systems Integration status
i. Technical Risk status

The Contractor shall be prepared for a detailed discussion with the Government. Issues shall be presented in terms of performance goals, exit criteria, schedule progress, risks and mitigation, and cost impact. For planning purposes, these meetings are anticipated to be a one day event. The Contractor shall provide meeting minutes (Reference CDRL A002, Minutes).

C.1.3.5.2 Functional Baseline

C.1.3.5.2.1 Functional Baseline Review
The Contractor shall host and conduct a Functional Baseline Review (FBR) at or near the Contractor site NLT 45 days after Contract Award. The FBR shall be a line-by-line review of the JLTV Purchase Description (Attachment 0001), the Purchase Description Report (reference CDRL B042, PD Report) and review of the SEMP (reference CDRL B038, SEMP). The FBR shall be considered complete once all requirements have been reviewed and discrepancies in the PD Report and SEMP are resolved. For planning purposes, this meeting is anticipated to be a five (5) consecutive day event.

C.1.3.5.3 Allocated Baseline

C.1.3.5.3.1 Allocated Baseline Review
The Contractor shall host and conduct an Allocated Baseline Review (ABR) at or near the Contractor site NLT 90 days after Contract Award. The ABR will be a review of the draft System Level Design Document (SLDD) (reference CDRL B034, SLDD) and the changes to the configuration since the EMD Phase Design Understanding Review (DUR). The Contractor shall also itemize the traceability between the JLTV Purchase Description (Attachment 0001), CSDR Plan (reference Attachment 0004, CSDR Plan), Contractor Work Breakdown Structure (CWBS) (CDRL A005 reference, CWBS), SLDD (CDRL B034 SLDD), Product Baseline Index (PBLI) (CDRL B010, PBLI). The ABR shall be considered complete once all changes to the configuration have been reviewed in sufficient detail, discrepancies in the SLDD are resolved, and the traceability of the system to contract documentation are understood. For planning purposes, this meeting is anticipated to be a two (2) consecutive day event.

C.1.3.5.4 Product Baseline

C.1.3.5.4.1 Product Baseline Review
The Contractor shall host and conduct a Product Baseline Review (PBR) at or near the Contractor site NLT 150 days after Contract Award. The Contractor shall brief and display the assembly level (Work Breakdown Schedule level 1,2, and 3) Technical Data Package (TDP) (reference, C.2.1.1.6, TDP Information Requirements), System Level Design Document (SLDD) (reference CDRL B034, SLDD), and Product Baseline Index (PBLI) (reference CDRL B010, PBLI). The SLDD and PBLI will be put under formal Configuration Management (CM), as defined in section C.2.1.1.5 after the PBR. The PBR shall be considered complete once the TDP is understood and all discrepancies in the SLDD and PBLI are resolved. After PBR, all changes to the configurations must be approved by the Government. This meeting is anticipated to be a five (5) consecutive day event.

C.1.3.5.4.2 Initial Physical Configuration Audit
The Contractor shall perform an initial Physical Configuration Audit (PCA) per the Vehicle Equipment and System Integration Lab (SIL) Allocation Matrix (VEASAM) (Attachment 0056, VEASAM). The PCA shall be witnessed by Government to validate the as-built configuration matches the PBLI (reference CDRL B010, PBLI) and TDP (reference, C.2.1.1.6 TDP Information Requirements). The initial PCA will validate the assembly level of the Base Vehicle Platforms, trailers, Contractor Furnished Equipment (CFE) Kits, and 100% of the component level drawings. All parts, assemblies, and subassemblies for PCA shall be produced using the manufacturing assembly process, including production tooling and inspection procedures that will be followed during FRP. The initial PCA shall be considered complete when all the deficiencies identified are corrected by the Contractor and reviewed and approved by the Government (reference CDRL B021, Configuration Audit Summary Report). The Contractor shall correct all discrepancies identified at the initial PCA at no cost to the Government and within the schedule specified in the PCA plan (reference CDRL B030, PCA Plan). Upon close out of the initial PCA, the TDP will be put under formal CM as defined in section C.2.1.1.5. For planning purposes, this audit is anticipated to be a 45 consecutive day event, not including correction of the deficiencies, at the Contractor site.

C.1.3.5.4.3 Final Physical Configuration Audit
The Contractor shall perform a final Physical Configuration Audit (PCA) per the Vehicle Equipment and System Integration Lab (SIL) Allocation Matrix (VEASAM) (Attachment 0056, VEASAM). The final PCA shall be witnessed by Government to validate the as-built configuration matches the PBLI (reference CDRL B010, PBLI) and TDP (reference, C.2.1.1.6 TDP Information Requirements). The final PCA will validate the assembly level of the Base Vehicle Platforms, trailers, Contractor Furnished Equipment (CFE) Kits, and 100% of the component level drawings since initial PCA. All parts, assemblies, and subassemblies for PCA shall be produced using the manufacturing

DRAFT

assembly process, including production tooling and inspection procedures that will be followed during FRP. The final PCA shall be considered complete when all the deficiencies identified by the Government are corrected by the Contractor and reviewed and approved by the Government (reference CDRL B021, Configuration Audit Summary Report). The Contractor shall correct all discrepancies identified at the final PCA at no cost to the Government and within the schedule specified in the PCA plan (reference CDRL B030, PCA Plan). For planning purposes, this audit is anticipated to be a 20 consecutive day event, not including correction of deficiencies, at the Contractor site.

C.1.3.6 Manufacturing Readiness Assessment Review
The Contractor shall conduct a Manufacturing Readiness Assessment (MRA) review at or near the Contractor manufacturing facility 60 days prior to fourth option period in support of the Full Rate Production (FRP) decision. The Contractor shall use the Department of Defense (DoD) Manufacturing Readiness Level (MRL) Deskbook as a guide for the MRA event. The MRA shall cover all parts of the JLTV FOV provided by the Contractor and their Subcontractors. The Contractor shall evaluate its manufacturing readiness in preparation for the FRP decision with the Manufacturing Readiness Level (MRL) 9 thread criteria identified in the MRL Criteria Matrix (latest version) at the following link: http://dodmrl.com/. The Contractor shall evaluate each thread and sub-thread in the MRL Criteria Matrix (latest version) and shall provide sufficient and objective evidence for all criteria in each thread and sub-thread to substantiate a MRL 9 rating. If the Contractor is rated lower than a MRL 9 for any of the criteria in the MRL Criteria Matrix, the Contractor shall provide its plan to reach MRL 9 prior to the award of the fourth (4) option period. For planning purposes, the MRA is anticipated to be a four day event."

C.1.3.7 Supportability and Logistics Reviews

C.1.3.7.1 Logistics Start of Work Meetings
The Contractor shall host separate Start of Work Meetings for Logistics Demonstration (Log Demo), Technical Manual Validation, and Technical Manual Verification meetings. The Logistics Start of Work Meetings shall occur NLT 30 days prior to the start of the events cited in this paragraph. Each Logistics Start of Work Meeting shall introduce and align the Government and Contractor Logistics teams, and consist of a SOW review and schedule review. For planning purposes, this meeting is anticipated to be a one (1) day event.

C.1.3.7.2 In-Process Reviews
The Contractor shall host monthly In-Process Reviews (IPRs) to discuss all Integrated Product Support (IPS) related work effort until a FRP decision is approved. The Contractor shall brief and display portions of work accomplished to date for initial meeting and work accomplished since last IPR, answer questions about Contractor work processes, present records of quality assurance reviews, and respond to Government comments regarding publications processes or work samples.

C.1.3.7.3 Technical Publications Guidance Conference
The Contractor shall host a Technical Publications Guidance Conference at the conclusion of the Contract Start of Work meeting. The purpose of this meeting is to review publications contract objectives (reference C.2.3.4.2), establish lines of communications, and address Contractor's questions. The Contractor shall present a publications schedule for Government concurrence and input to the Integrated Master Schedule (reference CDRL A003, IMS).

C.1.3.7.4 Provisioning Guidance Conference
The Provisioning Guidance Conference (PGC) shall be held at the conclusion of the Technical Publication Guidance Conference. The purpose of the PGC is to ensure that the Contractor has a clear understanding of the contractual provisioning requirements (reference C.2.3.6) and to identify and reinforce the requirement for accurate, complete, and timely submission of provisioning data and information. The Contractor shall present a provisioning schedule for Government concurrence and input to the Integrated Master Schedule (reference CDRL A003, IMS).

C.1.3.7.5 Provisioning Conference and Logistics Support Analysis Records Review
The Contractor shall host the first Provisioning Conference and Logistics Support Analysis Records (LSAR) Review 90 calendar days after the Provisioning Guidance Conference to verify the Logistics Support Analysis (LSA) 036 report (CDRL C004, Logistics Product Data), Engineering Data for Provisioning (EDFP), Repair Parts and Special Tools List (RPSTL) and part screening data, and any other contactor related data used to support the LSAR. The Contractor shall host subsequent Provisioning Conferences and LSAR Reviews once per quarter, or on dates mutually agreed to by the parties. The Contractor shall conduct a quarterly reconciliation of the Provisioning Master Record & Logistics Product Data (LPD) database and update the provisioning records (reference C.2.3) until a FRP decision is approved.

C.1.3.8 Quality Reviews

C.1.3.8.1 Production and Product Quality Management Integrated Product Team Meetings
The Contractor shall conduct daily, weekly, and monthly Production and Product Quality Management Integrated Product Team (PQM-IPT) meetings to coordinate overall Quality Planning and execution. The Contractor and Government shall establish the date, time, and duration of the PQM-IPT meetings at the Contract SOWM. The PQM-IPT members will work together to generate cost saving and a Quality Assurance footprint to reduce program risk, improve readiness, support, and supportability-related system design. The Government PQM will serve as the Chairperson of the PQM-IPT meetings and the Contractor's Quality Manager shall serve as vice chairperson of the PQM-IPTs. The monthly PQM-IPT meeting shall coincide with the monthly PMR.

The Contractor shall be responsible for recording and tracking actions from daily and weekly meetings. For the Monthly PQM-IPT, the Contractor shall develop all agendas and meeting minutes.

DRAFT

C.1.3.8.2 Production and Product Quality Council Meetings
The Contractor shall conduct Quarterly JLTV Quality Council meetings at the Contractor's facility. This meeting will be known as the JLTV Quality Council (QC) IPT meeting. The Contractor shall coordinate the Quality Council meeting agenda issues, topics and schedules with the Government PQM-IPT members. The Contractor shall prepare and deliver minutes of the Quality Council meetings (reference CDRL A002, Minutes). The minutes shall contain as a minimum, schedules; detailed results and proceedings of discussions, assessments, and guidance; action items; an attendees roster; and all presentations. Action items shall be assigned prior to the close of the meeting.

C.1.3.8.3 Corrective Action Review Team Meetings
The Contractor shall attend weekly Corrective Action Review Team (CART) meetings that shall commence with the start of Government testing (reference C.2.4.2). The CART is the Government group responsible for reviewing the Contractor's Failure Analysis Corrective Action Reports (FACARs) (reference CDRL D008, FACAR), including root cause analysis and proposed fixes. The CART may provide feedback to the Contractor regarding its root cause analysis methodology. The JLTV PMO will chair the CART meetings. The CART meetings will be weekly, one day events. The Contractor shall take proactive (preventive) measures that will be instituted to reduce the probability of nonconformance, and ensure corrective protocols will be established to mitigate risks and prevent recurrence (through root cause elimination) when non-conforming performance is identified.

The Government will provide official notification on all CART Meeting schedules at the inception of each test. The Contractor's corrective action team membership shall directly correlate with the Government CART members, as applicable, to reflect all relevant CART functions to include Quality, RAM, Test, Logistics, Maintenance, Systems Engineering, Safety, Transportability and MANPRINT Human Factors. CART meeting agendas shall be established by the Contractor and approved by the Government. Meeting agendas will include a list of all Test Incident Reports (TIRs) numbers to be discussed by category.

C.1.3.9 Test Reviews

C.1.3.9.1 Contractor Conducted Pretest Readiness Review
The Contractor shall conduct a Pretest Readiness Review (Pre-TRR) to present to the Government the readiness of the vehicles to enter into Government system level testing. The Pre-TRR shall be held at or near the Contractor build site, at least seven days prior to the Government TRR. The Pre-TRR shall address the content detailed in the IMP (Attachment 0002 IMP) and the Pre-TRR Checklist (Attachment 0053 Pre-TRR Checklist). For planning purposes, this meeting is anticipated to be a two (2) day event.

C.1.3.9.2 Government Conducted Test Readiness Review
The Contractor shall attend the Government Test Readiness Review (TRR), conducted at or in the vicinity of Aberdeen Proving Ground (APG), and be prepared to present the information prepared for the Pre-TRR. The Government TRR is anticipated to be held no more than seven days prior to the first vehicle delivery and will assess both the Contractor's and the Government's test readiness. For planning purposes, this meeting is anticipated to be a one (1) day event.

C.1.3.9.3 Operational Test Readiness Review
The Contractor shall attend the Government Operational Test Readiness Review (OTRR), conducted at or in the vicinity of Multi-Service Operational Test and Evaluation MOT&E site and be prepared to brief and display all of the information the Contractor prepared for the Pre-TRR and TRR. The Government OTRR is anticipated to be a one (1) day event and held no less than seven days prior to MOT&E and will assess readiness to enter MOT&E.

C.1.3.9.4 Reliability Availability Maintainability Scoring Conferences
The Contractor shall attend and participate in the monthly Government Reliability Availability Maintainability (RAM) Scoring Conference meetings by presenting information, evidence, or opinions that the Government will consider when scoring test incidents. Each Scoring Conference is anticipated to be two days in duration. The Contractor shall develop and deliver a RAM Scoring Conference Package (CDRL D009, RAM Scoring Conference Package).

C.1.3.9.5 Reliability Availability Maintainability Assessment Conferences
The Contractor shall attend and participate in all Government RAM Assessment Conferences, which will occur during Government testing. The Contractors participation shall consist of presenting information detailed in CDRL D010, RAM Assessment Conference Package. The Government will provide Contractor notification of the Assessment Conference at least 10 business days prior to the event. For planning purposes, it is expected that three Assessment Conferences will be held, for a duration of two days each. Prior to each Assessment Conference, the Contractor shall prepare and provide an Assessment Conference Package (CDRL D010, RAM Assessment Conference Package).

C.1.3.10 Business Management Reviews

C.1.3.10.1 Cost and Software Data Reporting and Other Cost Reports Readiness Reviews

C.1.3.10.1.1 Cost and Software Data Reporting Readiness Review
The Contractor shall host a Cost and Software Data Reporting (CSDR) readiness review with Government within 14 days of the Contract SOWM (reference C.1.3.2) at the Contractor facility where CSDRs are prepared. The purpose of this meeting is to prepare for the Post Award CSDR Conference (reference C.1.3.10.2). Per DFARS 252.234-7004(a), the Contractor shall use a documented CSDR process that satisfies the DoD 5000.04-M-1; management procedures that timely report; and a Government CSDR approved plan (reference Attachment 0004, CSDR

DRAFT

Plan) and related Resource Distribution Table (reference CDRL A013, RDT). The Contractor shall demonstrate how costs will be based, to the maximum extent possible, upon actual cost transactions and not cost allocations; describe how recurring vs. nonrecurring costs will be segregated; demonstrate how the data from its accounting system will be mapped into the reporting categories in the CSDR plan. The review should resolve any reporting issues, including determination of the final CWBS elements.

The Contractor shall present initial drafts of the CSDR CDRLs (reference CDRL A005, CWBS; CDRL A006, 1921; CDRL A007, 1921-1; CDRL A008, 1921-2; CDRL A009, 1921-3; CDRL A011 CDRL, SRDR Initial; CDRL A012 SRDR Final and CDRL A013, RDT) based on the entire contract value, including options. This meeting is expected to take two business days.

C.1.3.10.1.2 Contractor Manufacturing Cost Estimate Review
The Contractor shall host a meeting with the Government to walkthrough the Contractor's Multi-Year Procurement cost estimate, methodologies and source data, immediately following the completion of the CSDR Readiness Review (reference CDRL A023, Multi-Year Procurement Estimate). For planning purposes, this meeting is anticipated to be a half day event and will be held at the Contractor facility where the CSDRs are prepared.

C.1.3.10.1.3 Other Cost Reports Readiness Review
The Contractor shall hold an Other Cost Reports Readiness Review with the Government upon completion of the Contractor Manufacturing Cost Estimate Review (reference C.1.3.10.1.2). This meeting will review the purpose and content of each of the Other Cost Reports and resolve any reporting issues (reference C.1.4.2). The Contractor shall present a draft of the Contractor's proposed format for each of the Other Cost Reports during this meeting. For planning purposes, this meeting is anticipated to be a half day event and will be held at the Contractor facility where the CSDRs are prepared.

C.1.3.10.2 Post Award CSDR Conference
The Contractor shall attend and participate in a post award CSDR conference which will be held with the Cost Working Group Integrated Product Team IAW DFARS 242.503-2(b). Prior to this conference, the Contractor shall make any adjustments or corrections identified during the CSDR Readiness Review (reference C.1.3.10.1.1). Discussion will include a review of the Contractor's CSDR process that satisfies the guidelines contained in the DoD 5000.04-M-1, CSDR Manual, and the requirements in the approved CSDR plan (reference Attachment 0004) and related Resource Distribution Table (reference CDRL A013, RDT). The Contractor shall demonstrate how costs will be based, to the maximum extent possible, upon actual cost transactions and not cost allocations; describe how recurring vs. nonrecurring costs will be segregated; demonstrate how the data from its accounting system will be mapped into the reporting categories in the approved CSDR plan (reference Attachment 0004, CSDR Plan). Within seven days of completing the CSDR Readiness Review, the Government will inform the Contractor of the exact date and location of the Post Award CSDR conference. This meeting is expected to take one (1) business day and will likely be held in the Metropolitan District of Columbia (DC) area (to include the Quantico, VA).

C.1.3.10.3 CSDR Mapping Reviews
The purpose of the CSDR Mapping Reviews is to ensure that contractor internal control accounts are mapped to the appropriate CSDR (reference Attachment 0004) and CWBS element (reference CDRL A005). For each initial CSDR report, the Contractor shall conduct a review with the Government of its proposed internal control account to CSDR WBS mapping at least 30 days before initial report submission. Each review shall include discussions of the Contractors methodology for mapping costs from its accounting system into the CSDR WBS and review any necessary supporting documentation for the mapping of costs. Each review is expected to take one (1) business day and shall be held at the Contractor facility where CSDRs are prepared. In the event that new internal control accounts are created, the Contractor shall review their updated mappings with the Government prior to follow-on CSDR submission via the phone or email.

C.1.3.10.4 CSDR Pre-Submission Reviews
The Contractor shall hold a pre-submission review of each CSDR deliverable at least 30 days before schedule submissions IAW the CSDR Plan (Attachment 0004 CSDR Plan). The intent of these reviews is to give Government and Contractor personnel an opportunity to review a draft of each deliverable and determine if the format is appropriate, if the CSDR WBS mappings discussed during the CSDR Mapping Reviews are still reasonable, and to clarify any outstanding issues prior to the actual deliverable submission. This meeting will be held at the Contractor facility where the CSDR is prepared and is expected to take one business day.

C.1.4 BUSINESS MANAGEMENT

C.1.4.1 CSDR
The Contractor shall collect actual contract costs, prepare, and submit IAW the CDRLs listed below and the CSDR Plan (reference Attachment 0004). This plan includes the following cost-related reports which shall be prepared IAW the applicable CDRL, DoDM 5000.04-M-1:

CDRL#	Title
A005	Contract Work Breakdown Structure (CWBS)
A006	Cost Data Summary Report (CDSR) (DD Form 1921)
A007	Functional Cost-Hour Report (DD Form 1921-1)
A008	Progress Curve Report (DD Form 1921-2)
A009	Contractor Business Data Report (DD Form 1921-3)
A011	Software Resources Data Report (SRDR) Initial

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A012 Software Resources Data Report (SRDR) Final
A013 Resource Distribution Table (RDT)

The Contractor shall reconcile reporting elements in the CSDR with the IMS (reference CDRL A003, IMS), any applicable Funds and Man-hour Expenditure Report (reference CDRL A004, Funds and Man-hour Expenditure Report), any applicable Other Cost CDRLs (reference CDRL A016, Service & Consumption Report; CDRL A018, Inventory Receipt Report; CDRL A019 , Parts Repair Report; CDRL A017, Current Inventory Report; CDRL A015, ASL; CDRL A014, BOM; CDRL A020, Project Expenditure Report; CDRL A022 CFSR; CDRL A025, Production Indentured Bill of Materials) when these documents are submitted with the same "as of" date and the Product Baseline Index (reference B010 CDRL, PBLI) that is current on the "as of" date the report is submitted. CSDR reporting is required for and shall include reporting against any and all costs expended by the contractor or subcontractors during the execution of this contract. The requirement to report costs is independent of the amount of costs incurred, the contract type used to award funding, the source of funding, or how the Contractor executes the funds and scope associated with the contract. The Government may audit any CSDR deliverable for completion, correctness, and compliance to the associated DID, DA manual(s), and CDRL. If at any point errors or deficiencies are found in a deliverable, the Contractor shall, at their own expense, correct all deficiencies or errors and resubmit the deliverable.

C.1.4.1.1 Flow-Down Requirements

C.1.4.1.1.1 CSDR Flow-Down Requirements
The Contractor shall flow-down CSDR requirements to all subcontracts in accordance with DFARS 252.234-7004(b). This responsibility includes requiring Subcontractors to electronically report directly to the Defense Cost and Resource Center (DCARC). The Contractor shall ensure that Subcontractors meeting CSDR reporting thresholds collect data in sufficient detail to meet the CSDR Plan (reference Attachment 0004). For Subcontractors not meeting CSDR reporting thresholds, the Contractor shall collect and provide Subcontractor data to comply with the Resource Distribution Table requirements (reference CDRL A013, RDT) and the CSDR Plan (reference Attachment 0004).

C.1.4.1.1.2 SRDR Flow-Down Requirements
The Contractor shall flow-down SRDR requirements (reference CDRL A011, SRDR-Initial; CDRL A012 SRDR-Final) to all subcontracts whose scope includes software development efforts valued at more than $20 million. This responsibility includes requiring Subcontractors to electronically report directly to the Defense Cost and Resource Center (DCARC).

C.1.4.1.2 Contract Work Breakdown Structure Index and Dictionary
The Contractor shall produce, deliver, and maintain a product oriented Work Breakdown Structure (WBS) Index and Dictionary in accordance with the CSDR Plan (reference Attachment 0004). WBS Indices and Dictionaries shall be completed to at least the lowest levels specified in MIL-HDBK-881A (30 Jul 2005) unless otherwise specified by the CSDR Plan (reference Attachment 0004). The Contractor shall tailor the Contractors WBS below the levels specified in MIL-HDBK-881A (30 Jul 2005) for WBS elements that are categorized as high-risk, high-value, or high-technical interest by the Governments Cost Working Group Integrated Product Team (CWIPT). The CWBS Dictionary shall reflect the design as documented in the System Level Design Document (reference C.2.1.1.3) and Product Baseline Index (reference C.2.1.1.4). Any changes to an approved CWBS require Government approval. (CDRL A005, CWBS Index and Dictionary)

C.1.4.1.3 Cost Data Summary Report
The Contractor shall prepare and submit the Cost Data Summary Report (DD Form 1921) which reports direct and indirect actual cost data on both a recurring and non-recurring basis by CWBS level as specified in the CSDR plan (reference Attachment 0004). (CDRL A006, 1921)

C.1.4.1.4 Functional Cost-Hour Report
The Contractor shall prepare and submit a Functional Cost-Hour Report (DD Form 1921-1) which reports information on resources including labor hours, overhead costs, material costs, and other direct and indirect cost data on both a recurring and non-recurring basis by CWBS level as specified in the approved CSDR plan (reference Attachment 0004). (CDRL A007, 1921-1)

C.1.4.1.5 Progress Curve Report
The Contractor shall prepare and submit the Progress Curve Report (DD Form 1921-2) which reports production cost and hours data specified in the approved CSDR plan (reference Attachment 0004). (CDRL A008, 1921-2)

C.1.4.1.6 Contractor Business Data Report
The Contractor shall prepare and submit the Contractor Business Data Report (DD Form 1921-3) which provides the means to facilitate estimating and analysis of indirect contract costs as specified in the approved CSDR plan (reference Attachment 0004). (CDRL A009, 1921-3)

C.1.4.1.7 RESERVED

C.1.4.1.8 Software Resources Data Report (SRDR) - Initial
The Contractor shall prepare and submit the Software Resource Data Report (SRDR) which provides expectations and actual results of software development and upgrade efforts as specified in the approved CSDR plan (reference Attachment 0004, CSDR Plan). (CDRL A011, SRDR-Initial)

C.1.4.1.9 Software Resources Data Report (SRDR) - Final
The Contractor shall prepare and submit the Software Resource Data Report (SRDR) which provides results of software development and

DRAFT

upgrade efforts as specified in the approved CSDR plan (reference Attachment 0004, CSDR Plan). (A012 CDRL, SRDR Final)

C.1.4.1.10 Resource Distribution Table
The Contractor shall prepare and submit a Resource Distribution Table (RDT) which identifies the value of work assigned to the Contractor and any subsidiaries and Subcontractors. The RDT shall be based on the WBS used in the CSDR Plan (reference Attachment 0004). (CDRL A013, RDT)

C.1.4.2 Other Cost Reports
The Contractor shall collect actual costs, performance, and any other required data in sufficient detail to prepare and submit the following reports IAW the associated CDRL.

CDRL#	Title
A014	Current and Prior Configuration Indentured Bill of Materials
A015	Authorized Stockage List (ASL) Procurement
A016	Service & Consumption Report
A017	Current Inventory Report
A018	Inventory Receipt Report
A019	Parts Repair Report
A004	Funds and Man-hour Expenditure Report
A022	Contract Funds Status Report
A020	Project Expenditure Report
A023	Multi-Year Procurement Estimate
A025	Production Indentured Bill of Materials

The Contractor shall reconcile reporting elements in any applicable CSDRs (reference CDRL A005, CWBS; CDRL A0006, 1921; CDRL A007, 1921-1; CDRL A008, 1921-2; CDRL A009 , 1921-3; CDRL A011, SRDR Initial; CDRL A012, SRDR Final; CDRL A013, RDT) when these documents are submitted with the same as of date and the Product Baseline Index (reference CDRL B010, PBLI) that is current on the as of date the report is submitted. If at any point errors or deficiencies are found in a deliverable, the Contractor shall, at their own expense, correct all deficiencies or errors and resubmit the deliverable.

C.1.4.2.1 Current and Prior Configuration Indentured Bill of Materials
The Contractor shall prepare and maintain an indentured Bill of Materials (BOM) of any and all parts that are or were ever included in the JLTV FoV configuration to include all ECPs, VECPs, and other configuration modifications. The indentured BOM shall be prepared in indenture level sequence and will report the current configuration (e.g. latest part numbers, includes ECOs and ECPs) and any prior BOM configurations (e.g. obsolete part numbers, the configuration prior to ECPs cut-in) of the JLTV FoV. The indentured BOM information shall correspond to the PBLI structure (reference C.2.1.1.4, PBLI). (CDRL A014, Current and Prior Configuration Indentured Bill of Materials)

C.1.4.2.2 Authorized Stockage List Procurement
The Contractor shall provide a list of all items procured along with the actual price incurred in order to produce an Authorized Stockage List (ASL). (CDRL A015, ASL)

C.1.4.2.3 Service & Consumption Report
The Contractor shall prepare and maintain a list of all scheduled and unscheduled services performed, software upgrades applied, and parts or fluids replaced and consumed during the execution of any scope of work against this contract. (CDRL A016, Service & Consumption Report)

C.1.4.2.4 Current Inventory Report
The Contractor shall maintain a database containing an inventory of all parts, fluids, leased items, and other tangible assets held in an inventory to support any scope against this contract. The Contractor shall prepare and submit a report to the Government containing information on the current inventory. (CDRL A017, Current Inventory Report)

C.1.4.2.5 Inventory Receipt Report
The Contractor shall track and prepare a list of all parts, fluids, leased items, and other tangible assets procured and accepted into an inventory during the execution of any scope against this contract. (CDRL A018, Inventory Receipt Report)

C.1.4.2.6 Parts Repair Report
The Contractor shall prepare and maintain a list of all parts repaired or disposed of during the execution of any SOW against this contract. (CDRL A019, Parts Repair Report)

C.1.4.2.7 Project Expenditure Report
The Contractor shall track and report costs and hours associated with the development, procurement, and retrofit of any ECPs, STS, Independent Research and Development Costs, and other modifications to the JLTV FoV configurations. (CDRL A020, Project Expenditure Report)

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C.1.4.2.8 Funds and Man-hour Expenditure Report
The Contractor shall submit the Funds and Man-hour Expenditure Report IAW the Funds and Man-hour Expenditure Template (reference Attachment 0005, Funds and Man-hour Exp Report Template). The Contractor shall reconcile reporting elements in the Funds and Man-hour Expenditure Report with the IMS and the CSDR when these documents are submitted with the same as of date. (CDRL A004, Funds and Man-hour Expenditure Report)

C.1.4.2.9 Contract Funds Status Report
The Contractor shall submit a Contract Funds Status Report (CFSR) which shall provide the Government with data on funding requirements, estimates at completion, a determination of excess funds, and rough estimates of termination costs (CDRL A022, CFSR).

C.1.4.2.10 Multi-Year Procurement Estimate
The Contractor shall prepare a Multi-Year Production Procurement estimate and provide it to the Government during the Contract SOWM (reference C.1.3.2). (CDRL A023, Multi-Year Procurement Estimate)

If Multiyear approval is pursued, the contractor shall provide a multiyear proposal for fixed-price hardware 45 days after the PCO makes a request. After negotiation of a fair and reasonable price, and multiyear approval is obtained, the Government will utilize this proposal to convert to a multiyear contract.

C.1.4.2.11 Production Indentured Bill of Materials
The Contractor shall prepare a Bill of Materials (BOM) for each production lot of JLTV FoV in an indentured level consistent with how parts used in the production of JLTV FoV were procured and incorporated into the final production end item. (A025 CDRL, Production Indentured Bill Of Materials)

C.1.4.3 Earned Value Management System (EVMS)
In the performance of an individual or combination of related STS Work Directive(s) issued by the Government valued at $20 million or greater, the Contractor shall use an EVMS that complies with DFARS 252.234-7002 and DFARS 252.242-7005 and shall meet the Contractor's own documented System Description.

C.1.4.3.1 Performance Measurement Baseline (PMB)
The Contractor shall generate a time-phased budget baseline assigning all costs for the applicable STS work directive(s) to their specific Work Breakdown Structure (WBS) elements no later than 45 days after the work directive is issued. The PMB shall be the basis for the Integrated Program Management Report (reference CDRL A021, IPMR Formats). Retroactive changes to the PMB are prohibited, except for the correction of errors and routine accounting adjustments.

C.1.4.3.2 Integrated Baseline Reviews (IBRs)
The Contractor shall review its Performance Measurement Baseline (PMB) plan with the Government at the Contractor's facility within 180 days of contract award and subsequently following major changes to the baseline when required IAW DFARS 252.234-7002(f). The Contractor shall provide the Government with a PMB detail-planned to MIL-HDBK-881A WBS Level III and IBR topics as a read-ahead focusing on its assigned WBS elements (reference CDRL A001, Agenda - Read Ahead Package). The Contractor shall lead the IBR with its Subcontractors (reference C.1.4.3.4), with active participation from the Government.

C.1.4.3.3 Integrated Program Management Report (IPMR)
The Contractor shall prepare and electronically deliver all IPMR Formats. Reporting below level three of the CWBS (reference CDRL A005) shall be required for scope identified as high risk in the contractors Risk Management Plan (reference C.2.1.5.2) and high variance items as identified in CDRL A021 and will be required until the problem is resolved. If the Government determines there is a significant problem with respect to cost, schedule, or performance at a lower level, detailed reporting for that WBS element shall be required until the problem is resolved. (CDRL A021, IPMR)

C.1.4.3.4 Application to Subcontractors
The Contractor shall flow down DFARS Clause 252.234-7002. The performance information reported by the Subcontractors shall be incorporated and integrated into the Contractor's management system.

C.1.5 PROGRAM PROTECTION
The Contractor shall comply with the security requirements imparted by the DD Form 254 (Attachment 0003), the National Industrial Security Program Operating Manual (NISPOM) DoD, 5220.22-M), and Army Regulation (AR) 70-77.

C.1.5.1 Program Protection Working Group and Critical Program Information Assessment
For the life of the contract, the Contractor shall host a Program Protection Working Group (PPWG) not less than annually. The first PPWG shall be held as part of the Contract SOWM.. Each PPWG will be chaired by the Government Systems Engineer and co-chaired by the Contractor's System Security Engineer. The co-chair shall develop the agenda and action items (reference CDRL A001, Read Ahead Agenda and CDRL A002, Minutes). The agenda will include a Critical Program Information Assessment (CPIA) that will identify Critical Program Information (CPI) or Critical Technology (CT) (defined by DoDI 5200.39, July 16, 2008 Incl Change 1 Dec 28, 2010, Critical Program Information (CPI) Protection within the Department of Defense). Each PPWG will be a one day event.

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C.1.5.2 Critical Functional Analysis (CFA)
The Contractor shall conduct a CFA for the purpose of identifying Critical Components (CCs) that can lead to Level I and Level II mission critical failures. The CFA shall assess CC for the following war fighting functions: movement and maneuver, intelligence, fires, protection, sustainment, command and control, casualty evacuation, and treatment. The CFA shall identify all logic bearing critical components as well as the hardware and software suppliers for the logic bearing components.

The Contractor shall host a one day review NLT 60 days after contract award with the Government Program Protection team to discuss and review the results of the CFA. The CCs shall be prioritized, assessed for supply chain risk (as defined in DoDI 5200.44), and based on risk the Contractor shall develop mitigations or countermeasures to minimize the risk posed from supply chain. The Contractor shall develop meeting minutes and action items (CDRL A002 Minutes) for the CFA review. The CFA, supply chain risk, and mitigation or countermeasures for risks shall be included in the meeting minutes. The CFA shall assess both Organic CC as well as the integration of Inherited CC.

The Contractor shall develop and deliver a mission criticality analysis(es), vulnerability assessment(s), risk evaluation(s), and identification and counter measurement implementation(s) for Mission-Critical Functions, the failure of which would result in either total compromise of mission capability (catastrophic) (Level I) or unacceptable compromise of mission capability or significant mission degradation (critical) (Level II). (CDRL B053, Critical Analysis)

C.1.5.3 Countermeasures
The Contractor shall plan for and implement countermeasures that mitigate the risk of foreign intelligence or foreign influence, technology exploitation, threats to supply chain, and battlefield threats and vulnerabilities that result in Level I and Level II protection failures of the system.

C.1.5.3.1 Anti-Tamper Plan
If the PPWG identifies CPI or CT, The Contractor shall develop, utilize, and maintain an Anti-Tamper Plan to address protection of CT from foreign intelligence, technology exploitation, supply chain, battlefield threats and system vulnerabilities. (CDRL B006, Anti-Tampering Plan)

C.1.5.3.2 Anti-Tampering Implementation
If Anti-Tamper Plan is required (reference C.1.5.3.1), The Contractor shall integrate the AT protections described in the AT Plan to protect CPI and Critical Technologies identified within the JLTV FoV.

C.1.5.3.3 Supply Chain Risk Management
The Contractor shall identify the mission-critical functions that may result in Level I or Level II protection failures (defined by DoDI 5200.39, Critical Program Information (CPI) Protection within the Department of Defense) due to operational, system information, or component integrity aspects. The Contractor shall ensure that updated criticality analysis assumptions, rationale, results, and supply chain risk information and mitigations are briefed and displayed at each Program Management Review (PMR) (reference CDRL A001, Agenda and Read-Ahead Package, and CDRL A002, Minutes)

C.1.5.3.4 Post-Award Subcontract Content
The Contractor shall deliver, IAW the Supplier RFI form (Attachment 0028, Supplier RFI Form), a definitive list of all known or proposed Subcontractors and suppliers of critical components with logic bearing components (i.e., software, firmware, network cards, and printed circuit boards). The list will be reviewed and approved by the Government's Systems Engineer and the Government Security Manager in coordination with Defense Intelligence Agency (DIA). DIA will assess the foreign intelligence and technology exploitation threat for the supply chain associated with the CC. A threat assessment can take 3-6 months. The results of the threat assessment must be used to inform the Subcontractor's risk mitigation strategy for all CC's. Mitigation could include disapproval to use a prospective Subcontractor or supplier IAW Sec 806 of NDAA FY 2011 (authority extension in Sec 806 of NDAA FY 2013). The Contractor shall take steps to ensure that commercial products purchased or obtained shall not be identified as being destined for inclusion in a Government system. (CDRL B052, Critical component Subcontractor and Supplier list)

C.1.6 Information Security

C.1.6.1 Cybersecurity Program Plan
The Contractor shall provide a Cybersecurity Program Plan. (CDRL A024, Cybersecurity Program Plan).

C.1.6.2 Data Protection
The Contractor shall protect JLTV program data that resides on the Contractors network IAW DoDI 8582.01.

C.1.6.2.1 Data at Rest (DAR)
The Contractor shall encrypt all unclassified JLTV FoV data (including CUI and FOUO) stored electronically using FIPS 140-2 validated encryption, IAW DoDI 8582.01, Security of Unclassified DoD Information on Non-DoD Information Systems.

C.1.6.2.2 Media Disposal
The Contractor shall purge any media used to store unclassified JLTV FoV data (including CUI and FOUO) IAW NIST SP 800-88 before

DRAFT

external release or disposal, IAW DoDI 8582.01, Security of Unclassified DoD Information on Non-DoD Information Systems.

C.1.6.2.3 Data Loss Prevention
All JLTV FoV CUI and FOUO information stored electronically will shall be protected by a data loss prevention (DLP) system that is configured to monitor, audit and only allow specifically authorized transfer of JLTV FoV data, IAW Secretary of Defense Memo "Safeguarding Unclassified Controlled Technical Information", dated 10 October 2013.

C.1.6.2.4 Wireless Computing and Networking
The Contractor shall ensure Contractor's it's wireless computing and capabilities used, when dealing with JLTV FoV data, must meet or exceed the requirements listed IAW DISA Wireless Security Technical Implementation Guide, Army Information Assurance Best Business Practices 09-EC-M-0010, Wireless Security Standards 4.0 (sections 4b-m and 5), IAW DoDI 8582.01, Security of Unclassified DoD Information on Non-DoD Information Systems.

C.1.7 GOVERNMENT FURNISHED EQUIPMENT (GFE) AND GOVERNMENT FURNISHED INFORMATION (GFI)

C.1.7.1 GFE and GFI Delivery
The Government will provide the GFE and GFI IAW the schedule outlined in the GFE/GFI List (Attachment 0027, GFE/GFI List). At the Contract SOWM, the Government will provide the technical integration data or required Points of Contact (POCs) to receive proprietary information and data related to the GFE and GFI.

C.1.7.2 Government Furnished Equipment Tracking
Contractor shall track and report Government Furnished Equipment, utilizing Attachment 0079 JLTV Government Furnished Equipment Tracking, in accordance with FAR 52.245-1 and DAFRS 252.211-7007.

C.1.7.3 External Agreements
The Contractor shall establish Nondisclosure Agreements (NDAs) and Memorandum of Agreements (MOAs) with non-JPO JLTV organizations, both Government and Commercial, as required to receive data (GFI) and integrate GFE. At the Contract SOWM, the Government will provide the list of organizations with which NDAs and MOAs may need to be arranged. These agreements will allow the Contractor to receive controlled technical integration data and facilitate direct technical collaboration in order to integrate GFE systems into the JLTV FoV as identified in the JLTV Purchase Description (Attachment 0001). Progress of NDAs and MOAs shall be discussed at the PMRs.

C.2 PRODUCTION

All paragraphs in C.2 apply only to LRIP, unless otherwise specified.

C.2.1 SYSTEMS ENGINEERING

C.2.1.1 Baseline Configuration Control

C.2.1.1.1 Purchase Description Report
The Contractor shall provide a report to the Government to include the estimated Cost, Schedule, and Performance information to achieve the Request for Proposal (RFP) Purchase Description (PD) requirements summarizing only what the Contractor proposed as non-compliance areas and are not within the contractually binding JLTV Purchase Description (Attachment 0001). (CDRL B042, PD Report)

C.2.1.1.2 System Engineering Management Plan
For the life of the contract,The Contractor shall develop the System Engineering Management Plan (SEMP) and adhere to all systems engineering activities contained within the SEMP. The Contractor shall deliver a (SEMP) IAW CDRL B038, SEMP.

C.2.1.1.3 System Level Design Document
For the life of the contract The Contractor shall establish manage, maintain, and submit a System Level Design Document (SLDD) that encompasses the JLTV FoV top-level designs and subsystem designs that correspond to the Contract Work Breakdown Structure (CWBS) and the Product Baseline Index (PBLI) (reference A008, CWBS), (reference CDRL B010 PBLI), (CDRL B034, SLDD)

C.2.1.1.4 Product Baseline Index
For the life of the contract The Contractor shall establish, manage, maintain and submit a Product Baseline Index (PBLI). The PBLI shall consist of the lowest level that captures the Line Replaceable Units (LRUs and individual software elements. The baseline PBLI will be discussed and established at the PBR. (CDRL B010, PBLI)

C.2.1.1.5 Configuration Management
The Contractor shall execute Configuration Management (CM) for the life of the contract to the JLTV FOV (reference C.2.1.1.5.3). The Government shall be the approver of all changes to the configuration baselines and corresponding TDP through ECPs (reference B023 CDRL ECP). Government approval of a change does not constitute relief from vehicle performance requirements. The Contractor shall execute a complete CM program to manage all hardware and software configurations including documentation, electronic media, and parts representing or comprising the JLTV FoV. The Contractor shall apply CM functions, including processes, responsibilities, resources, and metrics, throughout the product lifecycle, and flow down these CM requirements to Subcontractors to provide appropriate application of CM

DRAFT

function to entire supply chain. The Contractor may use Government Electronics and Information Technology Association (GEIA) EIA-649-A, National Consensus Standard for Configuration Management; GEIA-859, Data Management (DM); and DoD MIL-HDBK-61, Configuration Management Guidance.

C.2.1.1.5.1 Configuration Baseline
The JLTV Configuration Baselines are defined by the 1) JLTV PD (Functional Baseline); 2) SLDD (Allocated Baseline); and 3) PBLI and corresponding TDP (Product Baseline).

C.2.1.1.5.2 Configuration Control Board
For the life of the contract, The Contractor shall conduct a Configuration Control Board (CCB) to review the proposed changes to the configuration baselines. The Government will be the Configuration Control Authority (CCB Chair) at the completion of the PBR. The CCB will meet monthly or more often based on the number of outstanding Engineering Change Proposals (ECPs) and priority of the ECPs. Meeting minutes shall be generated with Action Item assignments and decisions documented as part of meeting minutes. (Reference CDRL A002, Minutes)

C.2.1.1.5.3 Configuration Management Plan
The Contractor shall provide a Configuration Management Plan (CMP). Once the plan is approved by the Government, the Contractor shall adhere for the life of the contract to all process and activities contained within the approved CMP. (CDRL B011, CMP)

C.2.1.1.5.4 Configuration Management Web-based System
The Contractor shall establish a CM web-based system and maintain for the life of the contract, access to the As-Built Configuration List (ABCL) (reference Attachment 0031, ABCL), TDP (reference C.2.1.1.6.1, TDP Package) with metadata. The Contractor shall provide the Government with at least read-only online access of the TDP. The current TDP data shall be accessible to the Government via a light weight model viewer (such as ProductView). The Government will have the ability to download data from the CM Web-Based system. Each Download is considered a data deliverable in the context of DFARS Data Rights clauses including 252.227-7013, 252.227-7014, and 252.227-7015.

The CM Web-Based System shall provide a CM workflow to manage the approval and implementation of all ECPs, Request for Deviations (RFDs), and Value ECPs (VECPs). The systems shall also maintain the records of approved and rejected ECPs and RFDs throughout the contract.

The CM Web-based System shall provide the access to the past versions of the System Level Design Documents (SLDD) (reference CDRL B034 SLDD) PBLI (reference CDRL B010, PBLI), and Interface Control Documents (reference CDRL B032), Vehicle Specification Sheets (reference CDRL B044, Vehicle Specification Sheet), and Configuration Status Accounting Information (CSAI) (reference CDRL B022, CSAI).

The Contractor shall provide the Government with contribute access to the CM workflow process in the Contractor's CM web-based system. The contribute access shall include approve, reject, and comments of the CM data resident on the system. The Government shall be able to access the web-based system via web browser on any network. The Government's access shall allow for viewing and querying of data records and documents. The Contractor's CM web-based system shall be established no later than the Product Baseline Review.

C.2.1.1.5.5 Configuration Status Accounting Information
The Contractor shall record, maintain and submit the Configuration Status Accounting Information (CSAI) for the life of the contract. The CSAI shall include status of changes, status of resulting action items, effectivity, and incorporation status of approved changes (reference CDRL B023 ECP, and CDRL B025, RFD), and completion status of the TDP.

After the PBR is complete, approved changes shall not reflect a status of complete or closed until the new or revised documentation incorporating the approved change has been delivered to the Government. The Contractor shall also correct all deficiencies or errors discovered in CSAI prior to the next submittal. (CDRL B022, CSAI)

C.2.1.1.5.5.1 Effectivity Certification
For the life of the contract, The Contractor shall maintain the information and date when each approved ECP and RFDs was implemented into the manufacturing line. This information shall be maintained in the CSAI Reports (reference CDRL B022, CSAI)

C.2.1.1.5.6 Physical Configuration Audit (PCA) Plan
The Contractor shall submit a PCA Plan prior to the initial and final PCA. Once the plan is approved by the Government, the Contractor shall adhere for the life of the contract, to all process and activities contained within the approved PCA Plan. Hardware presented at the PCA shall be built to the current baseline at the time of the PCA. (CDRL B030, PCA Plan)

C.2.1.1.5.6.1 Configuration Audit Summary Report
For the life of the contract, the Contractor shall submit a Configuration Audit Summary Report documenting all the PBLI deficiencies and corrective actions at time of the PCA. The Contractor shall identify action items and address each issue to include resulting close-out action. (CDRL B021, Configuration Audit Summary Report)

C.2.1.1.5.7 Engineering Change Proposal
After the completion of the PBR for the life of the contract, the Contractor shall prepare ECPs and VECPs IAW Attachment 0020, ECP.

DRAFT

Impact statements and supporting data sufficient to evaluate the change shall accompany each request to include engineering, safety, quality, cost, schedule, MANPRINT, packaging, provisioning, maintenance, TM, and training data. Government approval of the ECP does not constitute relief from vehicle performance requirements. (CDRL B023, ECP)

C.2.1.1.5.7.1 Value Engineering Change Proposal

For the life of the contract, When the Contractor is interested in proposing a Value Engineering Change Proposal (VECP), the Contractor shall submit a VECP Request to the PCO and the CCB. The VECP shall be prepared and executed IAW Attachment 0020 ECP with the additional information required in 52.248-1(c). In accordance with 52.248-1(f), the Contracting Officer will consider cost reductions proposed by the Contractor and will consider increasing the Contractors sharing rate up to 75% on a case by case basis. (CDRL B024, Value Engineering Change Proposal).

C.2.1.1.5.8 Request for Deviation
For the life of the contract, Contractor may request to temporarily deviate from the Product Baseline or the JLTV Purchase Description (Attachment 0001) by submitting a Request for Deviation (RFD) IAW (Attachment 0021, Request For Deviation). All permanent changes shall require an Engineering Change Proposal to the JLTV PD (Attachment 0001). The Government is the approval authority for all RFDs. (CDRL B025, RFD)

C.2.1.1.6 Technical Data Package Information Requirements
For the life of the contract, the Contractor shall develop and maintain a complete production level TDP for the JLTV FOV. The TDP shall be the basis of managing the configuration of the JLTV FoV. The Government shall have the right to download the TDP through the CM Web Based System (reference C.2.1.1.5.4), regardless of the level of rights that the government will receive in that TDP.

C.2.1.1.6.1 Technical Data Package
The Production Level TDP represents the complete Product Baseline as managed through the PBLI. The TDP shall for the life of the contract, be maintained as the complete Product Baseline regardless of transfer of any additional technical data rights to the Government if the option is exercised. Unless otherwise specified herein, the TDP shall conform to the requirements of the latest revision of MIL-STD-31000 and Attachment 0023 TDP1, TDP Option Selection Worksheet Figures 2 and 3. The Contractor shall use Attachment 0024 TDP2 as a guide for detailed TDP requirements. The Contractor shall discuss all proposed deviations from the requirements of Attachment 0024 TDP2 at the PBR.

C.2.1.1.6.1.1 Software
For the life of the contract, all commercial and non-commercial software, the TDP shall include the computer software documentation IAW the latest revision of Mil-STD-31000. Software documentation shall adhere to DIDs specified in ISO/IEC 12207. For non-commercial software, the TDP shall additionally include computer software, including source code. Computer software is defined IAW the latest revision of MIL-STD-31000 definitions.

C.2.1.1.6.1.2 Paint Colors within the TDP
For the life of the contract, the Contractor shall develop the TDP in such a manner as to allow flexibility in specifying the paint. The Contractor shall not assign unique part numbers for components based solely on specified paint color. The Contractor shall include a paint and finish drawing in the TDP in order to allow the Government to order different exterior colored vehicle lots without impacting component drawings and part numbers.

C.2.1.1.6.2 Government Data Rights
In addition to the applicable DFAR clauses, ASME Y14.24 Appendix A shall be used for the life of the contract for determining the proper model and drawing types for all components.

C.2.1.1.6.3 Utilization of the TDP
For the life of the contract, the Contractor shall use the PBLI approved with associated TDP for all activities related to the manufacture and assembly of the JLTV FoV. The Contractor shall not maintain or utilize a separate TDP for the purposes of production unless specific written approval has been given by JPO JLTV through the PCO. All changes to the vehicle design shall be incorporated into the TDP by the Contractor through the Engineering Change Proposal Process (reference C.2.1.1.5.7 Engineering Change Proposal.

C.2.1.1.6.4 Technical Data Package, 3D Solid Models, and 2D Drawings
For the life of the contract, the 3-D model, including metadata, is the master design record. All subsequent data rendering, drawings, and depictions are derived from the 3-D record.

C.2.1.1.6.5 Solid Models
For the life of the contract, the TDP shall be developed utilizing a 3-D Parametric Solid Modeling tool. The Contractor shall provide solid model CAD files in native PTC Creo Parametric data format including full model metadata. The models shall be organized in a product structure that aligns with the WBS (reference Attachment 004), CWBS (reference CDRL A008), and the allocated baseline described in the SLDD (reference CDRL B034).

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C.2.1.1.6.6 Engineering Drawings, Product Drawings, and Records
For the life of the contract, the Contractor shall maintain Product Design Drawings electronic files formatted IAW MIL-STD-31000, DI-SESS-81000E, ASME Y14.100M, ASME Y14.34M, ASME Y14.35M, and ASME Y14.24M. Detailed subassembly and assembly drawings shall be completely delineated, directly or by reference to other documents, engineering requirements and characteristics such as materials, tolerance methods shall be utilized where applicable per ASME 14.5M-2009. Engineering drawings and associated lists shall at a minimum provide the necessary design, engineering, manufacturing, and quality assurance information sufficient to procure or manufacture an item that duplicates the physical and performance characteristics of the original prototype, without additional design engineering effort or recourse to the original design activity. Quality Assurance Provisions shall be included on the drawings.The Quality Assurance Provisions shall note product controls, required tests for performance, and validation requirements.

C.2.1.1.6.7 Dressed Components
For the life of the contract, the TDP shall include dressed component drawings if the component is a properly manufactured, assembled and tested set of parts, subsystems and assemblies that are complete for installation in the vehicle. Examples of dressed components are an engine, transmission, axle, transfer case, cooling pack, or cab. Dressed component drawings shall identify all sprockets, pulleys, mounts and other add-ons that adapt the component to the vehicle installation. The dressed component drawings shall be complete in assembly and detail to allow procurement of the dressed component.

C.2.1.1.6.8 Drawing Part Numbers
For the life of the contract, all product drawings and models including Packaging Content and Kit drawings produced under this contract shall be assigned Government issued part numbers located on the drawing and models. These part numbers can be obtained by submitting a written request to the Government specifying the type and quantity of drawings being produced. The allocation of these numbers shall be reported on a frequency specified on the DD Form 1423.

The Contractor shall prepare a part number assignment report IAW DI-SESS-81011E and include the Contractor's name, address and contract number and manufacturer part number. A cross-reference list shall be provided showing the Government (TACOM) part number and the corresponding vendor part number. (CDRL B035, Part Number Report)

C.2.1.1.6.9 Assembly Breakdown
For the life of the contract, the Contractor shall establish and maintain an assembly breakdown reflecting the top down generation breakdown of the JLTV FoV models that matches the PBLI structure. The assembly breakdown shall include all separable assemblies, items requiring component specifications, and software.

C.2.1.1.6.10 Documentation Maintenance
For the life of the contract, the Contractor shall prepare and maintain 3-D models, drawings, specifications and other technical data comprising the product baseline for the JLTV FoV.

C.2.1.1.6.11 Production Technical Computer Aided Design (CAD) Data
For the life of the contract, the Contractor shall deliver complete Production Technical Computer Aided Design (CAD) for the JLTV FoV, IAW the Production Model Technical CAD Data. (Attachment 0017, Production Technical CAD Data) Prior to submission, the Contractor shall verify that the Top Level Assembly opens without errors. (CDRL B041, Production Technical CAD Data).

C.2.1.1.6.12 Interface Control Documents and Models
For the life of the contract, the Contractor shall develop all JLTV FoV and Contractor Furnished Equipment (CFE) kit interfaces utilizing Interface Control Documentation (ICD) to include 3-D Models and 2-D Drawings. The JLTV FoV ICDs will capture all storage, tiedown, towing, GFE, and CFE interfaces. Each JLTV FoV CFE Kit shall have its own ICD describing the interfaces to the JLTV FoV or interface to GFE or to other CFE kits. The JLTV FoV ICDs shall be separate and distinct from the product baseline components of the PBLI. The JLTV FoV ICDs will capture all mechanical, electrical, and software within the same ICD. All ICDs shall be assigned a Part File number to be configuration managed. JLTV FoV ICDs will capture all changes as Engineering Change Proposals (ECPs). ICDs shall be validated in the final Physical Configuration Audit. CDRL B032 CDRL, Interface Control Documents)

C.2.1.1.6.13 Software and Firmware
For the life of the contract, the Contractor shall assign software as a part number in the assembly breakdown and PBLI, and shall be documented in the TDP by application name, version and description referencing the Contractor software code repository. Firmware shall be assigned as a part number in the assembly breakdown and PBLI and shall be documented in the TDP by application name and version.

C.2.1.1.6.14 Source Code
For the life of the contract, the Contractor shall deliver a copy of all source code (including firmware) utilized on the JLTV FoV and developed by the Contractor or any Subcontractors, including C4ISR, Vetronics, and GFE at-platform devices. (CDRL B050, Source Code)

C.2.1.1.6.15 Software Images and Executables
For the life of the contract, the Contractor shall deliver a copy of all software images, executables, and configuration files necessary to enable complete installation of JLTV FoV software by the Government, either in a SIL (CSIL or GSIL) or on a vehicle. This software and data shall include software virtual machine (VM) and system images, executables, firmware, parameter files, and configuration and calibration data utilized on the JLTV FoV, including C4ISR, Vetronics, and GFE at-platform devices. (CDRL B037, Software Images and Executables)

DRAFT

C.2.1.1.6.16 TDP Summary Data

C.2.1.1.6.16.1 Health Management System Report
For the life of the contract, the Contractor shall provide a Health Management System (HMS) Report. (CDRL B049, HMS)

C.2.1.1.6.16.2 Vehicle Network Configuration Package
For the life of the contract, the Contractor shall provide a Vehicle Network Configuration package. (CDRL B047, Vehicle Network Configuration Package)

C.2.1.1.6.16.3 Software Version Description (SVD)
For the life of the contract, the Contractor shall develop and deliver a SVD document to describe each software version release. (CDRL B051, Software Version Description)

C.2.1.1.6.16.4 Electrical Architecture Metrics
For the life of the contract, the Contractor shall track a set of metrics for the JLTV FoV electrical architecture for the following aspects of the vehicle command and control systems (not including GFE hardware).

(a) Computing resources. These metrics shall measure peak processor throughput & utilization (per processor) and volatile & nonvolatile memory usage (per board level or processor application) for the Driver's Smart Display Unit (DSDU), Commander's Smart Display Unit (CSDU) and Auxiliary Smart Display Unit (ASDU).

(b) Data Bus. These metrics shall measure throughput & utilization for all Vehicle Sensor Data Buses and the C4ISR/EW Data Bus.

(c) Functionality operation. This metric shall measure start-up time for DSDU; time shall commence from vehicle ignition-on to when full functionality of the display is available. This metric shall also apply to the CSDU, and ASDU; time shall commence from power on to when full functionality of the CSDU, and ASDU is available through the display. This metric shall be tracked at temperature extremes specified in the JLTV Purchase Description (Attachment 0001) hot, cold, and room temperature (68F). (CDRL B043, Growth Margin Analysis)

C.2.1.1.6.16.5 Routing Diagrams - Cabling, Wiring Harnesses, and Plumbing
For the life of the contract, the Contractor shall provide detailed logical wiring diagrams, schematics, electrical one-wire diagrams, connector pin-outs, and physical routing diagrams (harnesses, cables, and plumbing) of all electrical (incl. power generation test harnesses), fluid, and air lines in the JLTV FoV. If the Contractor utilized any Government provided GFE cables or harnesses from the GFE kits (either the original form or modified by the Contractor), the Contractor shall identify each GFE part number by NSN and supplier part number. (CDRL B005, Routing Diagrams-Cabling, Wiring Harnesses and Plumbing)

C.2.1.1.6.16.6 Key Subsystems and Design Margins
For the life of the contract, the Government has identified key subsystems (Attachment 0010, Key Subsystems and Design Margins) that could negatively impact the program schedule if they experience failures. The Key Subsystems are broken into three categories; Level 1, Level 2, and Level 3, depending on the extent of the impact to program schedule and timing, as well as design margins. The Contractor shall review Key Subsystem Design Failure Mode Effects and Analysis (DFMEAs) defined in Section E.14.1, and Process Failure Mode Effects and Analysis (PFMEAs) defined in Section E.14.2 and brief and display findings as part of the monthly PQM IPT meetings (reference Section C.1.3.8.1).

C.2.1.1.6.16.7 Growth Margin Analysis
For the life of the contract the Contractor shall track the amount of growth margin in each of the following categories as a percentage of the total design: payload, armor, weight, computing, networks, data buses, electrical power, memory and towing capacity. As applicable, these growth margins shall be within the constraints of the transportability requirements as defined in the JLTV Purchase Description (Attachment 0001).

As part of the Growth Margin Analysis, the Contractor shall conduct an analysis to determine how future systems are to be integrated into the JLTV FoV, using the potential future requirements in Future Systems Growth (Attachment 0011 Future Requirements) and items identified as Evaluation in GFE/GFI List (Attachment 0027). The analysis shall include plans for space, weight, power, system and network interconnects, mounting provisions, computing resources, and thermal loads. The Contractor shall provide a fully detailed report documenting these available growth margins. (CDRL B043, Growth Margin Analysis).

C.2.1.2 SE Program Support

C.2.1.2.1 Environmental, Safety and Occupational Health (ESOH)
For the life of the contract the Contractor shall perform Environmental, Safety, and Occupational Health (ESOH) activities under this Section.

C.2.1.2.1.1 ESOH Management Plan
For the life of the contract, the Contractor shall develop, implement and maintain an ESOH program IAW MIL-STD-882E. The Contractor shall prepare an ESOH Program Plan that documents their organizational resources and responsibilities for executing the ESOH program,

DRAFT

specific ESOH tasks and procedures, the risk assessment methodology and risk acceptance criteria, ESOH products, and critical milestones. Once the plan is approved by the Government, the Contractor shall adhere to all process and activities contained within the approved ESOH Management Plan. (CDRL B018, ESOH Management Plan)

C.2.1.2.1.2 ESOH Working Group
For the life of the contract, the Contractor shall participate in the JLTV ESOH Working Group (WG) IAW Task 105 of MIL-STD-882E. The Contractor shall participate in quarterly face to face meetings and monthly teleconferences. The face to face meetings shall be hosted on a rotating basis at the Contractor facility, Detroit metro area, and Aberdeen Proving Grounds.

C.2.1.2.1.3 Hazard Tracking Log
For the life of the contract, the Contractor shall prepare a Hazard Tracking Log (HTL) IAW the Hazard Tracking Log Content Requirements (Attachment 0018, Hazard Tracking Log). The Government will provide final acceptance on effectiveness of mitigations and the residual risk level. Closed out hazards shall remain on the HTL. (CDRL B012, Hazard Tracking Log)

C.2.1.2.1.4 Hazardous Materials Management
For the purposes of this contract and for the life of the contract, hazardous materials are defined in FED-STD-313. Specific prohibited hazardous materials for the JLTV FoV are identified in PDFOV-3576 of the JLTV Purchase Description (Attachment 0001). Hazardous materials prohibitions shall apply to all components, parts, and materials provided under this contract, including items purchased through a Subcontractor or supplier, Commercial Off The Shelf (COTS) components, OEM parts, and manufactured parts.

C.2.1.2.1.4.1 Exceptions to Hazardous Materials Requirements
Request for Deviation (RFD) from the hazardous materials requirements shall not be permissible except where a suitable alternative does not exist. The Contractor shall submit RFDs to the COR no later than the Contract SOWM using the, Request for Use of Prohibited Materials (Attachment 0019, Exceptions to Hazardous Materials Requirements). RFDs shall include detailed technical justification for the use of prohibited hazardous materials. Government response will be provided to the Contractor within 45 calendar days of receiving sufficient justification for the RFD. For the life of the contract the Contractor shall not deliver any items containing prohibited materials without the Government approval of the RFD. Permanent exceptions will require an ECP to change the JLTV PD Requirements.

C.2.1.2.1.4.2 Hazardous Materials Management Report
The Contractor shall prepare an Hazardous Materials Management Report (HMMR) IAW National Aerospace Standard (NAS) 411 REV 2 (dated April 29, 1994), section 4.4. (Exception to NAS 411 REV 2 Section 4.4.1: In addition to those hazardous materials delivered on the system and required for operation and maintenance, the HMMR shall identify: all hazardous materials used in final system manufacture and assembly, specifying the process(es) utilizing the materials; any hazardous materials created by the system; and any anticipated hazardous wastes created during operation and maintenance of the system.) The HMMR shall specify which phase (manufacture, operation, and Sustainment) that each material is required for or created in.

For the life of the contract, the Contractor shall discuss status, changes or issues with the HMMR as part of all technical reviews, ESOH WG meetings, and each Program Management Review. (CDRL B015, HMMR)

C.2.1.2.1.4.3 Disposal of Hazardous Manterials
For the life of the contract, the Contractor shall dispose of any parts containing hazardous materials IAW Federal and State Regulations and disposal shall be through the local Property Disposal Office.

C.2.1.2.1.5 Safety Assessment Report
The Contractor shall provide a Safety Assessment Report (SAR) which documents the results of system safety and health hazard analyses, hazard evaluations, and any independent testing. The SAR shall address each configuration within the JLTV FoV. (CDRL B013, Safety Assessment Report)

C.2.1.2.1.6 Safety Review
The Contractor shall provide SMEs to attend two Joint Services Weapons Safety Reviews (JSWSR) in the Washington DC area. The Government estimates the Contractor to provide two (2) SMEs for each review and each review is expected to be a one (1) day event. The Government will notify the Contractor two weeks in advance of the reviews. The purpose of the JSWSR is to review the explosives safety of weapons or explosives systems integrated onto the JLTV FoV. During the JSWSR the Contractor shall be prepared to discuss and answer questions about the technical aspects of integrated weapons and active and reactive protection systems, and lithium batteries if used in the system design.

C.2.1.2.1.7 EPA Emissions Requirements
The JLTV FoV is not subject to EPA Motor Vehicle Heavy Duty Diesel Exhaust emission standards or the EPA Non-road exhaust emission standards since the vehicle will contain permanent armor protection. This determination is IAW 40 CFR, Sections 85.1703, 89.908 and 1068.225.

C.2.1.2.1.8 Engine Emissions Analysis Report
The Contractor shall provide a diesel engine emissions analysis report under transient and steady state test cycles using DF2 diesel fuel. This analysis and report shall be done using the engine(s) selected by the Contractor. (CDRL B004, Engine Emissions Analysis Report).

DRAFT

C.2.1.2.1.9 Environmental Compliance
The Contractor shall ensure that all aspects of the contract execution, including all JLTV FoV hardware, are in compliance with United States Federal, State, and Local environmental regulations and requirements; including activities associated with design, prototype build, test, storage, and disposal.

C.2.1.2.1.10 Lithium Battery Safety Data Package
If lithium batteries are used in the system design, then the Contractor shall provide a safety data package that documents and demonstrates the stability of the design and validity of the battery selection. (CDRL B014, Lithium Battery Safety Data Package)

C.2.1.2.2 Human System Integration and MANPRINT Working Group
For the life of the contract the Contractor shall conduct Human System Integration (his) and MANPRINT program activities in the areas of human factors engineering, manpower, personnel, training, health hazards, safety, and Soldier survivability IAW DoDI 5000.02 and AR 602-2.

The Contractor shall attend and provide input at monthly Joint HSI and MANPRINT Working Group (JMWG) VTCs, and quarterly face to face meetings until initial vehicle delivery. The face to face meetings shall be hosted on a rotating basis at the Contractor facility, Washington, D.C. metro area, and Aberdeen Proving Grounds. The Government will establish the agenda for all JMWG meetings, Contractor meeting minutes are not required. After initial vehicle delivery the Contractor shall participate in quarterly JMWG meetings. During the JMWG meetings, the Contractor shall present and discuss changes to the HSI Issue Log changes, HSI and MANPRINT program status and updates, design data, planned HSI and MANPRINT events, and event findings. (reference B026 CDRL, HSI Issues Log)

C.2.1.2.2.1 Human Engineering Systems Analysis Report
For Human Factors Engineering (HFE) requirements not specifically defined in the PD, the Contractor shall use the design standards contained in MIL-STD-1472 and MIL-STD-1474 for application of HFE practices for the JLTV FoV. The Contractor shall provide a Human Engineering Systems Analysis Report (HESAR). The report shall include diagrams, illustrations, and drawings with measurements as applicable to support the analysis. (CDRL B016, HESAR)

C.2.1.2.2.2 Human Systems Integration (HSI) Issues Log
For the life of the contract, the Contractor shall develop and maintain an HSI Issues Log in Contractor format for HSI and MANPRINT issues. The HSI Issues Log shall be discussed at the Joint HSI and MANPRINT Working Group (JMWG). All Critical and Major issues (as defined in AR 602-2) shall have mitigation plans that identify what Contractor organization and person is responsible for resolution of the issue, with a schedule for resolution. If a Critical issue is not resolved in thirty (30) days from entry into the HSI Log, the Contractor shall notify the Government HSI and MANPRINT lead, in writing. If a Major issue is not resolved in sixty (60) days from entry into the HSI Log, the Contractor shall notify the Government HSI and MANPRINT lead, in writing. (CDRL B026, HSI Issues Log)

C.2.1.2.3 Corrosion Prevention and Control Plan and Finish Specification Report
For the life of the contract the Contractor shall develop, deliver, and implement a Corrosion Prevention and Control Plan (CPCP). Once the plan is approved by the Government, the Contractor shall adhere to all process and activities contained within the approved CPCP. The Contractor shall provide a Finish Specification Report with the CPCP. (CDRL B001, CPCP and Finish Specification Report)

C.2.1.2.3.1 Joint Interfaces, Materials, and Coatings
For the life of the contract, the Contractor shall provide 3D CAD models depicting part interfaces, materials of construction, fasteners, coatings, and torque values. The Contractor shall include a list of items that cannot meet the required service life due to normal wear. (CDRL B002, Joint Interfaces, Materials, and Coatings)

C.2.1.2.3.2 Contractor Corrosion Team
For the life of the contract, the Contractor shall establish a Contractor Corrosion Team (CCT) that will interact with the Government Corrosion Prevention Action Team (CPAT) to ensure all corrosion issues are identified and addressed. The CCT shall participate in monthly telecom meetings with the CPAT. During CPAT meetings, the Contractor shall present corrosion issues, resolution actions, and status, and respond to issues raised by the CPAT (CDRL B003, Contractor Corrosion Team Log).

C.2.1.2.4 Software

C.2.1.2.4.1 Software Certification and Licenses
For the life of the contract, the Contractor shall have and maintain at least a Capability Maturity Model Integration for Development (CMMI-DEV) Level III certification recognized by the CMMI Institute for all business units and Subcontractors performing software development work. The Contractor and Subcontractors shall utilize their corporate CMMI-DEV Level III appraised processes in all software development, integration, and testing efforts for the JLTV FoV.

The Contractor shall deliver all software, including Non-Developmental Item (NDI), and Commercial Off The Shelf (COTS), software in each delivered vehicle with appropriate licenses and without restrictions for usage in its intended vehicle application.

C.2.1.2.4.2 Software Problem Tracking
The Contractor shall use a closed loop problem tracking system to capture, track, and correct software problems. The Contractor shall

DRAFT

provide the Government with access to the problem tracking system for the life of the contract upon Government request.

C.2.1.2.4.3 Software Development Plan (SDP)
For the life of the contract the Contractor shall provide a SDP. The Contractor shall use its own corporate software standards and shall tailor the SDP to JLTV FoV software development. All JLTV FoV software shall be developed IAW the Contractor developed SDP. (CDRL B020, Software Development Plan)

C.2.1.2.4.4 Software Test Plan (STP)
The Contractor shall provide a STP. For the life of thee contract, all software on the JLTV FoV shall be tested IAW the Contractor developed STP. (CDRL B027, Software Test Plan)

C.2.1.2.5 Cybersecurity on JLTV FoV, CSILS, GSILS, and Kits

C.2.1.2.5.1 Cybersecurity Accreditation Artifact Package
For the life of the contract, the Contractor shall provide a Cybersecurity Accreditation Artifact Package (CDRL B008, Cybersecurity Artifact Package).

C.2.1.2.5.2 Cybersecurity and Software Scans
For the life of the contract, the Contractor shall provide the Government access to the software source code repositories for all JLTV software (excluding closed-source Commercial Off The Shelf (COTS)) for Software Code Scans to determine if there are any vulnerabilities in the system. The Contractor shall ensure each source code repository can accept the Government's Hewlett Packard (HP) Fortify 360 Suite Static Code Analyzer scanning software tool.

C.2.1.2.5.2.1 Baseline Cybersecurity and Software Scan
For the life of the contract, The Contractor shall provide the Government access to the CSIL for the Baseline Cybersecurity scan. The Baseline Scans shall be held NLT 150 days after Contract Award.

C.2.1.2.5.2.2 Follow-on Cybersecurity Scans
For the life of the contract, the Contractor shall provide the Government access to the CSIL for additional testing identified at the Baseline Cybersecurity and Software Code Scans. The follow-on-scans will only be conducted if the baseline scan requires action on the Contractor's part to resolve deficiencies.

C.2.1.2.5.2.3 Recurring Cybersecurity and Software Scans
For the life of the contract, the Contractor shall provide the Government access to the CSIL and software source code repositories for all JLTV software and systems for recurring scans. The scans shall be conducted not less than annually and following significant changes to the JLTV software or architecture.

C.2.1.2.5.3 TEMPEST Review
The Contractor shall provide C4ISR SMEs; vehicle access, documentation for all vehicle and equipment (CFE & GFE) configurations; vehicle wiring diagrams and routing locations; types and locations of lighting during TEMPEST reviews with a CTTA (Certified TEMPEST Technical Authority). The technical reviews shall consist of a TEMPEST Baseline Review to the vehicle equipment or wiring. The results of the TEMPEST reviews will determine the extent of vehicle TEMPEST testing. The TEMPEST Baseline review shall be held NLT 180 days after Contract Award.

The Government estimates the Contractor to provide two (2) SMEs for ten (10) business days for the TEMPEST Baseline review and no more than five (5) business days for Follow-On reviews. TEMPEST reviews shall occur at the Contractors facility.

C.2.1.2.5.4 Tactical Public Key Infrastructure (TPKI) Implementation Analysis
The Contractor shall conduct an analysis to determine how PKI will be integrated into the JLTV FoV computing enclaves to provide identification, digital signature for communications and software (CFE and GFE), and encryption. The analysis shall include plans for a ruggedized PKI token (used for group and individual certificates), PKI authentication infrastructure and interoperation with DoD GIG PKI, and future interface with GFE devices that will utilize JLTV FoV and JLTV FoV-hosted resources to connect to the GIG. (CDRL B019, Tactical Public Key Infrastructure Implementation Analysis TPKI Report)

C.2.1.2.5.5 Cybersecurity Workforce
For the life of the contract, the Contractor shall designate one individual as subject matter expert for Cybersecurity in the JLTV FoV. This person will be the single point of contact in regard to all Cybersecurity issues at the Contractors facility. The Contractor's Cybersecurity subject matter expert shall meet the requirements for IA Technical (IAT) Level III IAW DoD 8570.01-M, Information Assurance Workforce Improvement Program.

C.2.1.2.5.6 Cybersecurity Testing
The Contractor Cybersecurity personnel shall attend execution of and recovery from Cybersecurity readiness (Blue and Red Team) testing. Cybersecurity readiness testing will be conducted during the developmental and operational test and evaluation event. The Government estimates the Contractor to provide two (2) SMEs for two (2) weeks.

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C.2.1.2.5.7 Cybersecurity Log Management Plan
For the life of the contract, the Contractor shall conduct an analysis to determine how logistics files (e.g. security, system, application, firewall, antivirus) will be collected and archived from both classified and unclassified smart displays and network devices in the JLTV FoV. Once the plan is approved by the Government, the Contractor shall adhere to all process and activities contained within the approved Cybersecurity Log Management Plan. (CDRL B028, Cybersecurity Log Management)

C.2.1.2.5.8 Cybersecurity Vulnerability Management Software Maintenance Plan
For the life of the contract, the Contractor shall conduct an analysis to determine how Information Assurance Vulnerability Alert (IAVA) patches and software updates (operating systems, applications and firmware) will be implemented across the active platforms including CSIL, GSIL, CM and test fleet, and to delivered operational fleet. Implementation plan must address both cyclic and out-of-cycle updates based on severity. Once the plan is approved by the Government, the Contractor shall adhere to all process and activities contained within the approved Cybersecurity Vulnerability Management Software Maintenance Plan. (CDRL B029, Cybersecurity Vulnerability Management Plan)

C.2.1.2.5.8.1 Cybersecurity Vulnerability Management - Notification Monitoring
For the life of the contract, the Contractor shall monitor Government, vendor, and industry releases by subscribing to vulnerability notification services and reviewing other data available to identify vulnerabilities in software and hardware in the JLTV FoV C4I and Vetronics systems.

The Contractor shall subscribe to the Government email notifications from the Information Assurance Vulnerability Management notification system, currently hosted at https://iavm.csd.disa.mil/.

C.2.1.2.5.8.2 Cybersecurity Vulnerability Management - Database
For the life of the contract, the Contractor shall maintain a database of vulnerabilities in software and hardware in the JLTV FoV C4I and Vetronics systems. The database shall include the vulnerability identifier, severity, applicability to JLTV FoV systems, implementation status.

C.2.1.2.5.8.3 Cybersecurity Vulnerability Management - Software Code Scan
For the life of the contract, the Contractor shall correct deficiencies identified in all software (including open source software) evaluated in the software code scans.

C.2.1.2.5.9 Annual Security Review
For the life of the contract, the Contractor shall provide C4ISR and Cybersecurity SMEs; vehicle access; documentation for all vehicle and equipment (CFE & GFE) configurations for joint Government and Contractor annual security reviews. The reviews shall occur annually from the date of baseline cybesrsecurity and software scan (reference C.2.1.2.5.2.1) and previous annual security review. The Government estimates the Contractor to provide two (2) SMEs for one week per event.

C.2.1.3 As-Built Configuration List
For the life of the contract, the Contractor shall maintain an As-Built Configuration List (ABCL) for each vehicle built IAW (Attachment 0031, ABCL). The Government shall have access to the ABCL data. The ABCL shall be prepared in indenture level sequence down to the Product Baseline Index level and include quantities for each.

C.2.1.4 External Integration

C.2.1.4.1 Vehicle Specification Sheet
For the life of the contract, the Contractor shall maintain and update vehicle specification sheets for each JLTV FoV Configuration, IAW Vehicle Specification Sheet (Attachment 0026, Vehicle Specification Sheet). These sheets shall be updated when configuration changes are made that affect the data reported. (CDRL B044, Vehicle Specification Sheet)

C.2.1.4.2 Vulnerability Analysis Input Data
For the life of the contract, the Contractor shall submit fully completed Vulnerability Analysis input data for each JLTV FoV configuration (Attachment 0013, Vulnerability Analysis Input Data Sheets) (CDRL B039, Vulnerability Analysis Input Data).

C.2.1.4.2.1 Armor Recipes
For the life of the contract, tor each Base Vehicle Platform, the Contractor shall provide descriptions of the unique armor recipes, at both the A-structure and B-kit protection levels, for each vehicle surface (sides, top, front, rear, underbody), to include the applique armor for EFP protection. For each armor recipe, the Contractor shall specify the material and thickness of each armor layer (including air spaces), from outside to inside, plus the areal density of the overall recipe. In the recipe descriptions, any new recipe which was not provided during the EMD phase will be clearly identified as such. Based on a review of the armor recipes, the Government will decide how many coupons need to be tested for each armor recipe. The number of coupons which will be tested for some recipes may be less than the quantities delivered. (CDRL B039 Vulnerability Analysis Input Data)

C.2.1.4.2.2 Armor and Vehicle Schematics
For the life of the contract, for each Base Vehicle Platform, the Contractor shall provide schematics of each vehicle aspect view (overhead, sides, front, rear, underbody) which identify locations of each unique armor recipe and show the obliquity angles of all

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surfaces. In addition to vertical obliquities (layback angles) of all surfaces, horizontal obliquity angles (angles which would be seen if looking directly top-down or bottom-up) shall be included. The schematics shall include illustrations of the armor seams and attachment points on each surface of the vehicle. The schematics shall also depict the Contractor designed operational ride height referenced from identifiable location on vehicle underbody and the height off the ground with vehicle at operational ride height of the lowest portion of each roof or overhead B-kit panel surface. The Contractor shall also provide additional schematics to depict the details of the B-kit armor overlap designs and armor attachment methods. (CDRL B039 Vulnerability Analysis Input Data)

C.2.1.4.3 High Fidelity Modeling Technical Exchange
For the life of the contract, the contractor shall participate in High Fidelity (HF) Computational Physics (CP) Modeling and Simulation (M&S) for survivability analysis. Contractor, subcontractor, and component vendor participation shall include establishing NDAs with the HF modeling organization and allowing the transfer of Contractor, subcontractor, and component vendor CAD models (reference CDRL B041, Production Technical CAD data) and other M&S data (reference CDRL B039, Vulnerability Analysis Input Data, and CDRL B040, CAE Models and M&S Input Data) to the HF modeling organization 30 days after contract award. The Contractor, subcontractor, and component vendor shall provide HF modeling organization with access to the materials, construction, and physical characteristics of critical survivability components. The Contractor, subcontractor, and component vendor shall attend five (5) technical exchange meetings with a Government lab or Government Contractor to discuss implementing technical data into the modeling and simulation. The Contractor, subcontractor, and component vendor shall have appropriate technical experts present at these technical exchange meetings. For planning purposes, these meetings are expected to be one (1) day events.

C.2.1.4.4 Computer Aided Engineering Models and Modeling and Simulation Input Data
For the life of the contract, the Contractor shall deliver complete simulation-based Computer Aided Engineering (CAE) models and model data for each JLTV FoV configuration IAW the CAE Models data sheets. The Contractor shall submit fully completed Modeling and Simulation (M&S) input data for each JLTV FoV configuration. (Attachment 0012, M&S Input Data) (CDRL B040, CAE Models and M&S Input Data)

C.2.1.4.5 Government Managed C4ISR Interoperability Initiatives Participation
For the life of the contract,the Contractor shall have ongoing participation in Government initiatives required for interoperability to support design, compliance, and testing efforts. The Contractor shall remotely attend by web and telephone each of the Vehicular Integration for C4ISR and Electronic Warfare Interoperability (VICTORY) working groups (Information Assurance, Data Bus, Application Interfaces) not to exceed two (2) times per month per working group and attend the VICTORY Face to Face meetings, which will occur no more than once per calendar year. The Contractor shall remotely attend by web and telephone the Common Operating Environment (COE) Program Review Meetings not to exceed two (2) times per calendar year. The Contractor shall provide technical personnel to participate in Government interoperability initiatives.

C.2.1.4.6 At-Platform Test DevicesFor the life of the contract,the Contractor shall utilize only GFE At-Platform test devices (Maintenance Support Device-MSD, Vehicle Automated Diagnostic System-VADs, and Electronic Maintenance Support System-EMSS) for the electronic maintenance of the JLTV Vetronics. The Contractor shall provide technical information to the GFE At-Platform PMs to add JLTV FoV capabilities to existing GFE At-Platform software specific applications hosted on the At-Platform test devices. If the Contractor requires additional JLTV applications (either COTS or Contractor developed) to be installed on the GFE At-Platform devices the Contractor shall work jointly with the JPO JLTV and GFE PM(s) to obtain an Army Certificate of Networthiness (CON) and Cybersecurity verification. JLTV applications hosted on the GFE At-Platform devices shall be included in all JLTV FoV software activities to include configuration management, source code delivery, software verification, installation media and executables, Cybersecurity Assurance, Contractor Systems Integration lab (CSIL) and Government Systems Integration Lab (GSIL) integration, TDP and software.

Each of the GFE At-Platform test devices shall be able to independently support the electronic maintenance needs of the JLTV FoV.

C.2.1.4.7 GFE Integration
For the life of the contract, the Contractor shall integrate all applicable Government Furnished Equipment and Government Furnished Information provided IAW the GFE/GFI List (Attachment 0027, GFE/GFI List).

Integration shall include software and hardware, providing space, power, weight allocation, heat rejection, cabling & cableways, through hull connections, and all other hardware & software interfaces necessary to meet the requirements as stated in the JLTV Purchase Description (Attachment 0001).

C.2.1.4.7.1 GFE Modification
For the life of the contract, the Contractor can modify GFE wiring to support JLTV LRIP GFE integration and shall not modify any other part of the GFE items. If the Contractor is not able to integrate complete GFE kit wiring to meet performance requirements, the Contractor shall provide integration items as part of the vehicle design. The Contractor shall identify all re-used (in original or modified form) GFE kit wiring part numbers (NSN and supplier part number) in the PBLI. (CDRL B010, PBLI).

C.2.1.4.7.2 GFE Software Integration
For the life of the contract, the Contractor shall integrate the current version of Software GFE and GFI as of the first CSIL Demonstration (Section C.2.1.6.1.2). Throughout contract performance, the Contractor shall integrate updated versions of Software GFE and GFI, in the CSIL, GSIL, and on all vehicles, for critical fixes or significant functionality improvements.

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C.2.1.4.8 JLTV Capability Increments for GFE Integration
The Government will utilize the defined JLTV Capability Increments (JCI) to incrementally deliver GFE capabilities required in the PD, Annex K. The Contractor shall implement capabilities IAW with the following JCI sets and Attachment 0056, VEASAM:

JCI1 LRIP:
- Carryover TD & EMD GFE required integration
- VICTORY components
- JTRS HMS-MP radio (single and dual)
- Mounted JTRS PRC-154 Rifleman radio
- JBC-P software
- MTS RFID Interrogator
- OSRVT transceiver and software
- Nett Warrior system
- HBSS (Host Based Security System) software
- Saber variant of TOW and T-GPK
- GB-GRAM-M

JCI2 LRIP:
- WINT VWP, SNE, and POP (Point of Presence)
- JTRS MNVR radio
- NOTM

C.2.1.4.9 CSIL/GSIL GFE Integration and Evaluation
The Contractor shall evaluate the suitability of GFE systems identified in GFE/GFI List (Attachment 0027) as GSIL and CSIL integration and evaluation. The Contractor shall integrate the specified systems into the CSIL and GSIL and document the systems performance in CDRL B043, Growth Margin Analysis.

C.2.1.5 Risk Management
For the life of the contract, the Contractor shall perform Risk Management activities identified in this section.

C.2.1.5.1 Manufacturing Development Strategy
For the life of the contract, the Contractor shall create, utilize, and provide a Manufacturing Development Strategy. The strategy shall include: manufacturing processes and procedures used under this contract, changes to the manufacturing processes and procedures required to conduct FRP. The Strategy shall include what evidence the Contractor intends to provide to show the path to Manufacturing Readiness Level (MRL) 9 prior to the FRP decision (reference C.1.3.6). The Contractor shall utilize the criteria and processes defined in MIL-HDBK-896 Manufacturing and Quality Program and DoD MRL Deskbook (latest editions) as guides for this effort, including definitions and measurement of MRLs. (B017 CDRL, Manufacturing Development Strategy)

C.2.1.5.2 Contractor Risk Management Planning
The Contractor shall develop a risk management plan IAW the DoD Risk Management Guide (August 2006 version) and best commercial practices. The plan shall be used for the life of the contract, by the Contractor to monitor management, cost, and schedule of the contract efforts and technical risks relative to contract performance. The Contractor risks shall be briefed and displayed in all technical reviews, risk review board meetings, Program Management Reviews, and IPT meetings (reference CDRL A001, Agenda and Read Ahead and CDRL A002, Minutes).

C.2.1.5.2.1 Risk Tracking Reports
For the life of the contract, The Contractor shall develop and deliver Risk Tracking Reports based on the scoring criteria and template in the JLTV FoV Risk Template and Instruction (Attachment 0016 Risk Management Scoring Criteria and Reporting Template). The Contractor shall systematically identify and analyze all risks, and shall develop mitigation plans for all red and yellow risks scored IAW Attachment 0016, Risk Management Scoring Criteria and Reporting Template. (CDRL B009, Risk Tracking Reports)

C.2.1.6 Verification

C.2.1.6.1 Verification Testing
The Contractor shall perform verification testing activities identified in this section.

C.2.1.6.1.1 Systems Interoperability
The Contractor shall deliver an interoperable and certifiable system including Net Ready Certification, Army Interoperability Certification (AIC), and USMC Interoperability Certification (UIC). Systems interoperability shall include interoperability of all hardware, software, and logistics systems included in the JLTV FoV (including CFE, GFE, and GFI). The Contractor shall generate substantiating data to demonstrate system interoperability (reference CDRL B007, System Interoperability Report).

The Contractor shall provide C4ISR and Vehicle SMEs personnel and equipment (JLTVs with integrated kits, CSIL, GFE, CFE) to conduct interoperability reviews and testing at the CSIL and Government sites.

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The Government estimates the number of Interoperability events is as follows:

- AIC: Six (6) events during LRIP and 2 events per year post-LRIP. Event duration is two (2) weeks with two (2) SMEs.
- UIC: Six (6) events during LRIP and 2 events per year post-LRIP. Event duration is 2 weeks with two (2) SMEs.
- JITC: Six (6) events during LRIP. Event duration is four (4) weeks with two (2) SMEs.
- VICTORY: Six (6) events during LRIP (does not include VICTORY Working Group participation). Event duration is two (2) weeks with two (2) SMEs.

C.2.1.6.1.1.1 Systems Interoperability Report
For the life of the contract, the Contractor shall provide and maintain a Systems Interoperability Report to document Contractor AIC, UIC, Net Ready Certification CJCSI 6212.01, and VICTORY test preparation. The report shall include all interoperable systems and be updated as the JLTV FoV design evolves. (CDRL B007, System Interoperability Report)

C.2.1.6.1.2 Contractor Systems Integration Lab (CSIL)
For the life of the contract, the Contractor shall develop and use the CSIL to integrate and test all JLTV FoV electrical system (incl. Vetronics, C4ISR, vehicle ECUs, LRUs, CFE kits, GFE, power distribution systems) hardware and software prior to full vehicle integration and any subsequent changes initiated by Contractor or Government as part of an ECP or STS work directive. The CSIL shall be sufficient in size to integrate all the CFE and GFE systems concurrently (in a single room) and include the permanent mounting of all GFE terrestrial and satellite antennas on the roof to permit continuous CSIL connectivity and data exchanges to Government satellites (incl. GPS) and near-by test vehicles. The CSIL shall contain all up-to-date JLTV FoV production-intent electrical and electronic systems (modules, displays, controls, clusters, cabling, software, and harnesses) and GFE electronic hardware and software to enable the replication of fully integrated vehicles. The CSIL shall be able to demonstrate actual hardware for both four-seat and two-seat variants. The Contractor shall provide the Government access to the CSIL and provide the ability for the Government to execute tests and collect its own data independently.

The CSIL shall be functional and the Contractor conducts a SIL Configuration and Verification Audit (SCAVA) prior to the Baseline Cyber Security Scans. The Contractor shall also conduct a SCAVA prior to subsequent Cyber Scans and changes to software or hardware production baseline and interoperability test events. Starting at the Baseline Cyber scans the CSIL shall: be considered a configuration managed item IAW MIL-HDBK-61A; remain operationally functional and complete; up-to-date software and hardware. The Contractor shall not transfer allocated CSIL assets without Government CM notice.

ECPs, when directed in an STS Work Directive orwhen proposed by the Contractor shall be validated in the CSIL and documented prior to implementation on the vehicles.

C.2.1.6.1.2.1 SIL Configuration and Verification Audit (SCAVA)
The Contractor shall develop and review the recommended operating procedures for the execution of the events identified in the SIL Configuration and Verification Audit (Attachment 0015 SCAVA). This information shall be available to the Government and discussed at each PMR and 30 days prior to any SCAVA event. The Government may execute the functional verification at the CSIL during the SCAVA events at Government discretion.

C.2.1.6.1.2.2 Spectrum Frequency Allocations
For the life of the contract, the Contractor shall obtain frequency authorization for all GFE radio transceivers, from the Federal Communication Commission (FCC), prior to utilizing controlled frequencies at a Contractor location.

C.2.1.6.1.2.3 Communication Security
For the life of the contract, the Contractor shall maintain a Communication Security (COMSEC) Account under the guidelines and policy established by the National Security Agency. The COMSEC account will be equipped to operate as an Electronic Key Management System (EKMS) Tier two (2) workstation capable of generating and receiving electronic keying material from the National Security Agency Tier zero (0) EKMS, EKMS Tier one (1), and other COMSEC Accounts, Tier two (2) EKMS. The account will also be capable to be equipped in the future (post EKMS) as a fully functioning Key Management Infrastructure (KMI) client COMSEC Account.

C.2.1.6.1.3 Government System Integration Lab
The Contractor shall deliver the technical documents (reference CDRL B054, Technical Documents), hardware and software for two GSILs, one located near Warren MI, and one located near Quantico VA. The contactor shall install all equipment and software into the GSILs. The Contractor shall provide all technical information required for installation of the hardware and software into the GSILs. In addition to installing GSILs equipment and software, the Contractor is responsible for maintaining software and hardware updates to ensure synchronization of the GSILs and CSIL. The Contractor shall provide the necessary JLTV FoV CFE (Kits, LRUs, hardware, software, wiring) and technical information for the GSILs to exactly replicate the systems and equipment in the CSIL. The Contractor shall be responsible for ensuring any changes (hardware, software, and interfaces) made to CSIL are also incorporated in GSILs throughout the life of contract (including, but not limited to, CSIL changes made as a result of a contractor proposed ECP). If changes to the GSILs are required as result of the Government ECP, the required efforts will be captured in an STS work directive. The Government will provide GFE, benches, 120V and 208 single phase AC power, and COTS laboratory test equipment.

C.2.1.6.1.4 Cybersecurity Vulnerability Management - Operational Cybersecurity Testing

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The Contractor shall analyze the results of Operational Cybersecurity (Blue and Red Team) test events and implemented countermeasures to enhance the overall security posture of the JLTV FoV information systems. The Contractor shall brief and display their analysis of the test results during Program Management Reviews, and IPT meetings (reference CDRL A001, Agenda and Read-Ahead Package and CDRL A002, Minutes)

C.2.1.6.1.5 Software Test Report
The Contractor shall deliver a Software Test Report for the life of the contract. The Software Test Report shall document all testing (regression, unit, subsystem, system) performed on the software release prior to delivery to the Government, and all known deficiencies with the software. (CDRL B033, Software Test Report)

C.2.1.6.2 Verification Reporting

C.2.1.6.2.1 Environmental Survivability and Reliability

C.2.1.6.2.1.1 Electromagnetic Environmental Effects (E3)
For the life of the contract, the Contractor shall perform analyses, studies, inspections, and tests to characterize the E3 performance of the integrated system including all spectrum-dependent subsystems, CFE Kits, and GFE. The Contractor shall provide an E3 Performance Report that details the E3 performance and compliance with the applicable E3 standards identified in the JLTV Purchase Description (CDRL B045, E3 Performance Report).

C.2.1.6.2.1.2 Co-site Interference and Antenna Optimization Report
For the life of the contract, the Contractor shall analyze potential interference patterns (co-site interferences) and optimize placement of all vehicle antennas (including Electronic Warfare) for all vehicle and antenna configurations. The Contractor shall include and identify any CFE or GFE co-site mitigation systems. Specifically for the JLTV FoV-CCWC configuration, the analysis shall include how each antenna is protected from the effects of missile exhaust. The Contractor shall provide the results of this analysis, including expected performance, antenna placement diagrams, Radio Frequency (RF) characteristics. (CDRL B046, Co-Site Interference and Antenna Optimization Report)

C.2.1.6.2.1.3 MIL Grade Connector Requests for Deviation
The Contractor shall submit a Request for Deviation (RFD) for non-MIL grade connectors to include the content defined in MIL Grade Connector RFD Form (Attachment 0014 MIL Grade Connector RFD Form), Attachment 0021 Request For Deviation, and shall include technical justification and qualification standards for the use of the alternate connector. All non-MIL grade connector RFDs shall be submitted to the COR by PBR. Permanent waivers are not approved until incorporated via modification to the contract.

C.2.1.6.2.2 Data Bus Communication Failure Default Mode Analysis
For the life of the contract, the Contractor shall perform analysis that demonstrates that when data bus communication required to control or configure components fails, the controlled or configured component will operate in a default state that provides for fail-safe operation. The analysis shall be captured as part of DFMEA and reported when responding to ECPs, FACARs, and PQDRs (reference E.14.1).

C.2.1.6.2.3 Transportability Report
The Contractor shall submit a Transportability Report, which includes data on recommended procedures for positioning and securing the JLTV FoV for transport by trailer and rail car, slinging and lifting the vehicles, and procedures, man-hours and all tools required for any disassembly necessary for shipment by highway, rail, marine, and air. (CDRL B048, Transportability Report)

C.2.2 RELIABILITY, AVAILABILITY, AND MAINTAINABILITY (RAM) PROGRAM

C.2.2.1 RAM Program
The Contractor shall develop, implement, and maintain a comprehensive RAM Management Programfor the life of the contract. The RAM management program shall establish a process to achieve RAM requirements in the JLTV Purchase Description (Attachment 0001). The Contractor shall ensure products obtained from Vendors meet RAM requirements. The Contractor shall monitor system design to identify, assess, and implement failure analysis and corrective actions and to ensure compliance with RAM requirements. The Contractor shall develop engineering processes to ensure a reliable and maintainable design reflected in a corresponding RAM model specified in C.2.2.2. American National Standards Institute document GEIA-STD-0009-2008, including the Checklist for Evaluating Reliability Program Plans (RPP), shall be used as guidance for reliability program development.

The Contractor shall make available all RAM data for all Subcontractor supplied component or subsystem. This data shall include Reliability Block Diagrams (RBD), Failure Modes Effects and Analysis (FMEA), Fault Tree Analysis (FTA), Physics of Failure (PoF) Failure Reporting, Analysis, and Corrective Action System (FRACAS), RAM allocations, RAM predictions, and critical items. The Contractor shall develop and submit a RAM Management Plan as a comprehensive summary of the system's reliability and maintainability activities, functions, processes, test strategies, measurements, data collections, resources, and timelines required to ensure that the specified reliability and maintainability is achieved throughout the vehicle's lifecycle. (CDRL D001, RAM Management Plan).

C.2.2.1.1 Procedures and Controls

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The Contractor shall use a closed loop design process and FRACAS to identify and track all failure modes. The Contractor shall start to identify the failure modes immediately upon contract award and continue to identify and analyze failure modes throughout the life of the contract. The Government will provide the JLTV FoV Failure Definition Scoring Criteria (FDSC) (reference Attachment 0054, FDSC). The Contractor shall use accelerated testing and environmental stress screening to confirm failure modes, conduct root cause analysis, and validate corrective actions.

Throughout Government testing, the Contractor shall track all Test Incident Report (TIR)s scores listed as Operational Mission Failure (OMF) or Essential Function Failure (EFF) in a spreadsheet. The spreadsheet shall include the TIR number, TIR title, test site, vehicle ID, vehicle mileage, date of occurrence, grouping of failure modes, failure rate, corrective action (Engineering Change Proposals (ECPs) number and any revisions to the BCN, BCN implementation date, and proposed Fix Effectiveness Factor (FEF). The Government will provide the Contractor with a Fix Effectiveness Factor (FEF) Guideline (Attachment 0058, JLTV RAM FEF Guidelines). (CDRL D004, Failure Mode Tracking Report)

C.2.2.1.2 Software Reliability
For the life of the contract, the Contractor shall develop and execute a Software Reliability Program IAW Society of Automotive Engineers (SAE) JA1002 and SAE JA1003. Software Reliability Program shall define the expected reliability or predicted field defect density and probability of late delivery, probability of failure on demand, rate of reliability, root cause analysis of the associated development process where introduced, identified improvements that increase Availability and Reliability, evaluate the effectiveness of implemented improvements. Software Reliability Program outputs, interim and final analysis results shall be briefed, displayed, and discussed at IPT meetings as well as major reviews IAW the Government provided IMP (reference CDRL A002, Minutes).

C.2.2.1.3 RAM IPT
The Contractor shall host weekly RAM IPT meetingsfor the life of the contract. The Contractor and Government shall establish the date, time, and duration of the weekly RAM IPT meetings at the Contract SOWM. The Contractor shall provide meeting minutes (Reference CDRL A002, Minutes).

C.2.2.2 Reliability Availability Maintainability Model
For the life of the contract, the Contractor shall develop and utilize a RAM model for each JLTV FoV mission package configuration.

The RAM model shall be developed using appropriate design tools and processes such as: Reliability Block Diagram, Fault Tree Analysis (FTA), Failure Modes and Effects Analysis (FMEA), Design Verification Plan & Report (DVP&Rs), Reliability Centered Maintenance (RCM) concepts, and Accelerated Life Cycle Testing (ALT). Throughout the period of contract performance, the Contractor shall update the RAM model whenever new failure modes are identified or when RAM predictions are impacted by design or manufacturing changes.

The RAM model shall consist of the lowest identifiable elements and how elements relate to each other. The RAM model shall encompass all hardware and non-hardware elements, to include Commercial items, Non-Developmental Items (NDI), Government Furnished Equipment (GFE), software, human factors, and manufacturing. The RAM model shall be used to: (1) generate and update the RAM allocations at the Line Replaceable Unit (LRU) Level, (2) generate and update RAM predictions at the LRU level, (3) identify critical items in the system design and (4) identify additional design or testing activities required to achieve the RAM requirements. Critical items are defined as those elements whose failure impacts mission completion, essential functions, or safety; or elements whose failure rates contribute significantly to the overall system. This information shall be briefed, displayed, and discussed at RAM IPT meetings as well as major reviews IAW the Government provided IMP.

The Contractor shall use the JLTV Failure Definition and Scoring Criteria (FDSC) (Attachment 0054, JLTV FDSC) and the Operational Mode Summary and Mission Profile (OMS/MP) (Attachment 0055, OMSMP).

C.2.2.2.1 RAM Predictions
For the life of the contract, the Contractor shall develop, maintain, and deliver a RAM prediction report. The report shall provide detailed RAM predictions IAW the JLTV Purchase Description (Attachment 0001) based on a defined mission package configuration. RAM predictions shall include predictions at the LRU level for the JLTV FoV design at the A-structure armor protection level as well as with the B-kit installed. RAM predictions shall include failure rates for each LRU and shall further identify whether the individual failure rates are estimated (E), calculated (C), or measured (M). RAM predictions shall be rolled up to the system level. The Contractor shall update the predictions each time significant design or mission profile changes significantly impact the vehicle or any of its subsystems. The Contractor shall document any assumptions, boundary conditions and any test or modeling inputs used in developing RAM predictions.

The Contractor shall generate the RAM predictions by utilizing actual system level, component level, and subsystem level test demonstrated data from Government RAM testing on JLTV assets. When JLTV Government RAM test data is not available, the Contractor may use Government test data from previous systems or test data generated from commercial items with inputs at least equivalently demanding as the JLTV FoV Operational Terrain (JLTV Purchase Description (Attachment 0001), Annex OMS/MP). The Contractor shall not base its RAM predictions solely on models, on Non-Electronic Parts Reliability Data (NPRD), MIL-HDBK-217 data, or RAM allocations. If inputs used to generate RAM predictions are not representative of the OMS/MP, then the Contractor shall use an adjustment factor to account for differences between OMS/MP and actual inputs used. The Contractor shall provide rationale in this CDRL for any adjustment factors. (CDRL D002, RAM Prediction Report).

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C.2.2.3 Reliability Improvement Plan
For the life of the contract, the Contractor shall develop, implement, and deliver a Reliability Improvement Plan for identifying candidates for growing reliability above the requirements in the JLTV Purchase Description (Attachment 0001). The Reliability Improvement Plan shall outline a structured method to mature the system's reliability through the identification of failure modes, root cause analysis, and implementation of corrective actions. (CDRL D003, Reliability Improvement Plan)

C.2.3 INTEGRATED PRODUCT SUPPORT (IPS)

C.2.3.1 IPS Program
For the life of the contract, the Contractor shall produce and deliver IPS products on JLTV FoV as an integral part of the design, development and integration process. The contractor shall address all applicable and related elements of logistics that will focus on the highest possible system availability at the lowest product support cost.

The Contractor shall design an engineering organization that has appointed Logistics Support Analysis (LSA) and Logistics Product Data (LPD) focal points to coordinate design interface activities supporting LSA and LPD tasks and subtasks that is required to develop and produce the required logistics products to be used by the Government.

C.2.3.2 IPS Program Management
For the life of the contract, the Contractor shall designate an IPS Manager to ensure program objectives are achieved within program cost and schedule. Additionally, the IPS Manager shall possess the authority to manage, direct, and control the execution of all Product Support Elements (PSE) under contract. The IPS Manager shall conduct the first Logistics IPT meeting in conjunction with the Contract SOWM. The Contractor shall plan to conduct weekly IPT meetings through FRP decision to discuss all IPS elements with the Government. In support of weekly IPT meetings, the Contractor shall present metrics to the Government for development of logistics products that include the Technical Publication work packages, provisioning data, training data, and packaging data in graph form with supporting data. The establishment of metrics shall be discussed with and agreed to by the Government. The Contractor shall submit the metrics in a read ahead package (reference CDRL A001, Agenda and Read-Ahead Package).

C.2.3.2.1 IPS Program Management Plan
For the life of the contract, The Contractor shall provide and execute a plan for managing the IPS program. The plan shall describe the Contractor's organization, lines of communication, and schedule of activities, with associated resources and management controls. (CDRL C001, IPS Program Management Plan)

C.2.3.2.2 Data Validation
For the life of the contract, The Contractor shall validate all Integrated Product Support data deliverables prior to submittal to the Government.

C.2.3.2.3 Dedicated Hardware
For the life of the contract, The Contractor shall ensure sufficient quantities of dedicated hardware and support items to accomplish all IPS development, reviews, validations, verifications, and logistics demonstrations (LDs) are available to support each event

C.2.3.2.3.1 Existing Government tools and Test, Measurement, Diagnostic Equipment.
For the life of the contract, the Contractor shall notify the Government upon identification of any new special tools and Test Measurement, Diagnostic Equipment (TMDE). Existing Government tools and TMDE shall be utilized and introduction of new special tools and TMDE will require Government approval. Contractor recommendations for introducing new special tools and TMDE into the Government's maintenance and supply system shall require supporting justification identified by the Contractor's supportability analysis and is subject to approval for use by the Government's IPS IPT who will notify the Contractor of the determination. If approved, the Contractor shall proceed with development of related support requirements. If disapproved, the Contractor shall provide alternative support methods using existing Government tools and TMDE that are authorized to JLTV users, at no additional cost to the Government. The Government will use Maintenance Support Device (MSD), Vehicle Automated Diagnostics System (VADS), and the Electronic Maintenance Support System (EMSS) for interactive fault isolation and Interactive Electronic Technical Manuals (IETMs).

C.2.3.2.4 IPS Schedule
For the life of the contract, the Contractor shall develop and maintain, as a subset of the JLTV program IMS, an IPS Schedule to manage the JLTV IPS activities. The IPS Schedule shall reflect the details of the IPS work content requirements of this contract. The Contractor shall incorporate the IPS Schedule into the JLTV IMS (reference CDRL A004, IMS). The Contractor shall present the IPS Master Schedule at each Logistics IPT meeting and incorporate any IPT approved changes to the schedule into the JLTV IMS.

C.2.3.2.5 IPS Management Control Log
For the life of the contract, the Contractor shall maintain an IPS Management Control Log that tracks all changes to the JLTV FoV configuration and Logistics Data baseline. The log shall identify impacts to IPS and LPD, whether required or not, and include the data elements identified IAW CDRL C003, IPS Management Control Log.

In addition to tracking changes to the Product Baseline and identifying IPS and LPD impacts, the IPS Management Control Log will be used to establish IPS configuration freezes required to complete the LPD and will represent the cut-off date for data that is used to build logistics products. This will allow for completion of the product in time to meet a given milestone event, for example, Log Demo or

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future TM revision. The initial IPS configuration freeze shall occur 60 days prior to start of Log Demo. Dates for future IPS configuration freezes will be documented in the ILS IMS as agreed to by both parties. Critical safety issues or changes identified after the ILS configuration freeze shall be reviewed on a case by case basis and a schedule agreed to by both parties for incorporation into the LPD.

C.2.3.3 Logistics Support Analysis and Logistics Product Data Objectives
Logistics Support Analysis (LSA) provides a foundation for the Integrated Product Support (IPS) program by analyzing the system design and documenting source data to support the development and the delivery of the vehicle's system product support packages such as maintenance task lists, training support, technical publications, and initial provisioning package. PowerLOG-J shall serve as the JLTV IPS programs logistics data management tool. It will be used to develop, evaluate, review, and integrate logistics data for materiel systems. LPD comprises the IPS records and related engineering and logistics data acquired or generated as a result of LSA conducted during the JLTV FoV design, development, and initial production and fielding phases. LPD enables the planning and execution of maintenance support strategies, including the identification of resources such as personnel, support equipment, facilities and transportation requirements, and initial provisioning package, cataloging, and item management. It also supports the management and tracking of design changes to the product baseline. The Contractor shall follow good data management principals to ensure the proper identification, definition, preparation, control, archiving, and disposition of data required to execute this contract. GEIA-859, Data Management, shall be used as guide.

C.2.3.3.1 Logistics Support Analysis and Logistics Product Data Tasks
The Contractor shall:

1) Perform LSA to enable the development of LPD to support Operations and Maintenance planning and the deployment of the JLTV FoV and Support Equipment.

2) Utilize the most current version of the PowerLOG-J database application to maintain and update LPD.

3) Make available to the Government LPD exported from the PowerLOG-J database.

4) Ensure LPD is available to develop, validate and deliver logistics support packages for JLTV FoV at the time of its scheduled use for testing, training, demonstrations, evaluations or fielding as required by this contract.

5) Develop a Government-approved plan to manage the development and delivery of LPD during the contract period and include the LPD delivery milestones on the IPS Master Schedule.

6) Analyze the data resulting from testing, manufacturing processes, quality assurance, Logistics Demonstration, and any other evaluations of the JLTV FoV.

7) Update LPD within the PowerLOG-J database to ensure LPD accurately reflects the results and findings of these activities.
(CDRL C004, Logistics Product Data) (CDRL C005, Logistics Product Data plan)

C.2.3.3.2 Level of Repair Analysis
The Contractor shall develop Level of Repair Analysis (LORA) using the latest version of the Computerized Optimization Model for Predicting and Analyzing Support Structures (COMPASS). The Contractor shall continue to conduct a Level of Repair Analysis (LORA) employing industry best practices and including all system-level repairs, and all subsystem, assembly, and subassembly level candidates, including kits for analysis. The Contractor shall incorporate the Service Components maintenance philosophies, capabilities, and respective Military Occupational Specialty (MOS) skill set(s). All associated LORA LPD shall be input, maintained and updated in the PowerLOG-J application. The LORA Report shall include all COMPASS input and output data files to include COMPASS ACCESS database tables used in the assessment. (CDRL C006, Level of Repair Analysis Report)

C.2.3.3.3 Maintenance Task Analysis
The Contractor shall perform Maintenance Task Analysis (MTA) on the JLTV FoV IAW TA-STD-0017 Activity 12. MTA shall encompass all operator, maintainer, and support personnel tasks as identified by LORA, Reliability Centered Maintenance (RCM) Analysis, Failure Modes Effects and Critically Analysis (FMECA), Mission Task Analysis, and other similar analyses. MTA shall be performed on the approved Product Baseline and shall reflect the results of the latest RAM, safety, health hazards, and human factors engineering analyses. The Contractor shall update the MTA to reflect changes to the product baseline and the results and outcomes from testing, training, quality, manufacturing, Log Demo, and other JLTV FoV evaluations conducted throughout the contract.

In performance of the MTA, the Contractor shall provide the following LPD:

(a) All LPD identified in TA-STD-0017 Activity 12 except activities 12.5 and 12.6.

(b) Sequential narrative instructions and procedures for all tasks below depot level maintenance including maintenance source data for Technical Manuals (TMs) and Interactive Electronic Technical Manuals (IETMs). Sequential narrative instructions and procedures shall be input into PowerLOG-J after TM and IETM validation and shall be updated in PowerLOG-J after successful TM and IETM verification and Government acceptance.

DRAFT

(c) Support requirements for performing each task. These requirements shall include Military Occupational Specialty (MOS), skill levels, tools, support equipment, Automatic Test Equipment (ATE), Test Program Sets (TPS), and repair parts.

C.2.3.3.4 Reliability Centered Maintenance Program
The Contractor shall build upon the JLTV FoV Reliability Centered Maintenance (RCM) program from the JLTV EMD phase (Attachment 0081, JLTV EMD RCM Report) to update RCM Analysis to reflect the LRIP JLTV FoV Product Baseline. The Contractor's RCM Program shall be compliant with SAE JA-1011 and SAE JA-1012. RCM analysis shall be conducted and documented IAW SAE JA-1011 section 5 and its associated sub-sections. The RCM analysis shall be conducted at the same level of detail that the JLTV FoV will be maintained. Results of the RCM analysis will provide the evidence of need for all recommended PMCS tasks. The Contractor shall utilize the results of LRIP testing and Logistics Demonstrations to validate and update RCM analysis data. The Contractor shall utilize PowerLOG-J to input, maintain, and update all preventative and corrective maintenance task and reliability related Logistics Product Data (LPD) resulting from RCM analysis of the JLTV FoV, and shall provide all supporting documentation (information worksheets and decision worksheets) resulting from the RCM analysis when submitting RCM Reports. (CDRL C007, Reliability Centered Maintenance Report)

C.2.3.3.4.1 Reliability Centered Maintenance Program Review
The Contractor shall prepare, host and conduct a Preventive Maintenance Checks and Services (PMCS) review meeting at or near the Contractor site NLT 60 days prior to the start of RAM testing and again 120 days after the start of RAM testing. The purpose of the meeting is to review the Contractors Operators and Maintenance PMCS schedule for the JLTV FoV to determine if the task(s):

1) are arranged in an efficient manner,
2) are assigned to the appropriate maintenance level,
3) intervals can be extended,
4) can be changed or eliminated.

The Contractor shall ensure representatives from Engineering, Test, and Logistics are involved in this effort. The first meeting is anticipated to be a two (2) day event and the second meeting a 1 day event. The results of the first meeting will establish a baseline PMCS that will be evaluated in test. The second meeting is intended to identify and incorporate recommended changes coming from test that will be used to re-baseline the PMCS and allow time to be further evaluated in the test program. The Contractor shall provide Read Ahead Package and Agenda (reference A001, Read Ahead and Agenda) and the results of these reviews will be documented in the meeting minutes (reference A002, Minutes).

C.2.3.3.5 Spares Acquisition Integrated with Production Planning
The Contractor shall develop a JLTV Spares Acquisition Integrated with Production (SAIP) strategy to address the Contractor's approach to managing the JLTV FoV SAIP program. The Contractor shall brief its SAIP plan at the first Logistic IPT meeting following the SOWM and include the SAIP plan in the minutes (reference A002 CDRL, Minutes) of the Logistic IPT meeting. The Government intends to purchase Initial Spares and Authorized Stockage List (ASL) items based on results of sparing analysis conducted using the Selected Essential-Item Stock for Availability Method (SESAME)(reference Attachment 0009 SESAME Guide), as follows in the subparagraphs.

C.2.3.3.5.1 SAIP Initial Spares List
The Contractor shall develop and provide a recommended initial spares list of JLTV FoV support items using SESAME. The Government will review and approve the list and may procure initial spares by modification to this contract. The Contractor shall update the approved list of JLTV FoV support items quarterly and updates will be based on the number of vehicles fielded in the year following production cut-in of any change. (CDRL C008, SAIP Initial Spares)

C.2.3.3.5.2 Authorized Stockage List
The Contractor shall develop and provide an initial recommended Authorized Stockage List (ASL) for the JLTV FoV, using SESAME. This list shall include prices and quantities for each support item. The Government will review and approve the list and may procure ASLs by modification to this contract. If ASL is procured under this contract it shall be packed for storage for not less than 180 days. ASL parts shall be marked so they can be kept segregated from normal stock. As a minimum the parts shall be marked identifying it as ASL stock, part number, CAGE and nomenclature. Include a packing list in each ASL shipping container. The Contractor shall maintain the list of items approved by the Government. The list shall provide a recommended quantity based on supporting 25, 50, and 100 vehicles for 60 days. (CDRL C009, Authorized Stockage List)

C.2.3.3.6 Basic Issue items, Components of the End Item and Additional Authorized List
The Contractor shall identify the Basic Issue Items (BII), Additional Authorized List (AAL) and Components of the End Item (COEI) required to support the JLTV FoV. Identified items will be annotated as such in the PowerLOG-J system (reference CDRL C004, Logistics Product Data).

C.2.3.3.7 RESERVED

C.2.3.3.8 System Support Package Content List

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The Contractor shall prepare and deliver a System Support Package Content List (SSPCL). Each package shall consist of the items listed on the Contractor-developed and Government-approved SSPCL. (CDRL C010, SSPCL).

C.2.3.3.9 Failure Modes Effects and Criticality Analysis
The Contractor shall perform Failure Modes Effects and Criticality analysis (FMECA) on the product baseline(s) for the JLTV FoV. The FMECA shall be IAW Attachment 0036, FMECA Requirements, performing tasks 101, 102, and 103, using the "Hardware Approach." The Contractor shall develop the FMECA from the DFMEA to the indenture level that meets the maintenance strategies of the military services, or as determined by the Government at the Contract SOWM. All FMECA findings shall be used to develop Technical Manuals and Provisioning data. All FMECA LPD shall conform to GEIA-STD-0007 and shall be input, maintained, and updated in the PowerLOG-J system (reference CDRL C004, Logistics Product Data).

C.2.3.3.10 Kit Installation Instructions

C.2.3.3.10.1 The Contractor shall develop installation instructions for all JLTV FoV kits. A copy of the installation instructions shall be included with each hardware kit delivered. Unless otherwise specified by the Government, kit instructions shall be written for Field Level Maintenance (FLM) to install.

C.2.3.3.10.2 The Contractor shall conduct a validation for each kit installation instruction prior to verification by the Government; all kits are subject to Logistics Demonstration (LD). The Contractor shall update the installation instructions based on Government comments and provide a copy of the final instructions, (CDRL C002, Kit Installation Instructions).

C.2.3.3.11 Fault Inducement Kit

C.2.3.3.11.1 Contractor shall design and produce Fault Inducement Kits (FIK) to support log demo verification and New Equipment Training (NET).

C.2.3.3.11.2 Depending on system design, the FIK shall consist of Electrical, Hydraulic, or Air system components or devices designed or altered to be used to simulate faults on vehicles. These may include jumper wires, switches, circuit breakers, dummy connectors. The FIK shall be used to induce faults identified in Program of Instruction (POI) and be non-intrusive and not easily recognized by the personnel being trained. The FIK shall include parts content listing and include purpose, install and removal procedures, and related technical information.

C.2.3.3.11.3 The FIK shall allow for 12-20 faults to be induced and be portable and self contained in a carrying case, pouch, or bag. Examples of FIK items are:

1. Fault connector to be inserted on Throttle Position Sensor between MC and TPS-low voltage fault code.
2. Fault connector to be inserted on Oil Pressure Sensor between major component (MC) and sensor-low voltage fault code.
3. Fault connector to be inserted on Turbo Boost Sensor between MC and sensor.
4. Fault relays to insert in place of original relay to create fault codes for Anti-Lock Brake System (ABS) and other systems.
5. Fault connecter to be inserted on Central Tire Inflation System (CTIS) power manifold inflate/deflate solenoid MC connector.
6. Fault connector to be inserted on transmission sensors to create fault codes.

C.2.3.3.11.4 Fault Inducement Kit Quantities

C.2.3.3.11.4.1 Fault Inducement Kits in System Support Package
Two kits shall be provided as part of the System Support Package and verified at Log Demo.

C.2.3.4 Technical Publications

C.2.3.4.1 Copyright License
All JLTV FoV technical publications prepared under this contract are expected to come to the Government with unlimited rights. While the Contractor is entitled to mark a copyright notice on material created under this contract, the Governments technical data rights will include a license to this copyrighted material. When the Contractor uses commercial data which covers a Subcontractor's components or portions thereof, and the Subcontractor's data contains copyright material, the Contractor shall be responsible for obtaining a copyright license from the Subcontractor and furnishing such license to the Government IAW DFARS 252.227-7013(d). The Contractor shall provide a copyright license document including a license document for its own materials created or delivered under this contract. (CDRL C011, Copyright Release)

C.2.3.4.2 Technical Publications Program Objectives
JLTV FoV Technical Publications Program objective is to develop JLTV FoV publications to support the JLTV FoV. The Contractor shall develop technical publications for Operator, Field and National Maintenance Work Requirement (NMWR) level tasks IAW AR 25-30 (reference C.2.3.4.8 Technical Publications). Content for technical publications shall be based upon the results of the Maintenance Task Analysis and associated support Logistics Product Data (LPD) contained within PowerLOG-J (reference CDRL C004, Logistics Product Data), and shall support the 2 Level Maintenance standard.

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The Contractor shall develop, validate and deliver JLTV FoV technical publications to support Testing, Log Demo, Verifications and Material Release. The Contractor shall ensure that all technical publications (IETMs, TMs, TBs) delivered match the configuration of the JLTV FoV and all associated kits. Technical publications shall be developed using additional military standards and policies to be included in the Technical Publications Guidance conference. It is the governments expectation that the entire contents of all Technical Publications will be delivered to the government with Unlimited Rights, per DFARS 252.227-7013(b)(1)(v).

The following technical publications shall be developed and delivered in accordance with Section C.2.3.4.8 and CDRL C017, Technical Publications:

a) Operator Manual. The Contractor shall develop a JLTV FoV Operator Manual (-10) using the content from the attached JLTV FoV Operator Manual (Attachment 0041 JLTV FoV Operator Manual (New)). The Operator Manual shall incorporate changes to reflect the product baselines for the JLTV FoV and all associated kits and support items, new or updated tasks as determined in the Training Task Data and Learning Analysis Report, and any associated Logistics Product Data (LPD) IAW MIL-STD-40051-2B, and Content Selection Matrix - TABLE A-II Operators and Combined Operators/Maintenance Requirements Matrix (-10) (Attachment 0037 TABLE A-II (Operator Matrix)).

(b) Hand Receipt. The Contractor shall develop a Hand Receipt (-10-HR) containing all items to be accounted with the vehicle platform. The Hand Receipt shall be prepared IAW MIL-PRF-32436.

(c) Interactive Electronic Technical Manuals (IETM). The Contractor shall develop IETMs (-23&P) IAW MIL-STD-40051-1B, Attachment 0038 TABLE A-XVII Functionality Matrix, and Attachment 0039 TABLE A-XXI Content Selection Matrix. Content for IETMs shall be based upon the results of the Maintenance Task Analysis (MTA) and associated support item's Logistics Product Data (LPD) contained within PowerLOG-J (LPD). IETM content shall be mirrored in PowerLOG-J, within the appropriate associated record fields, to support and allow for quick updates to IETMS based upon changes to LPD. The Contractor shall ensure IETMs are compatible with Electronic Maintenance System Next-Generation (EMS NG) Viewer software and capable of being viewed on a standalone laptop computer with EMS NG loaded. IETMs must also be useable on the Army Maintenance Support Device (MSD) V3 with Smart Wireless Internal Combustion Engine (SWICE) and Marine Corps Vehicle Automated Diagnostic System (VADS) (latest version) along with the EMS NG Autonomous Diagnostic Manager (ADM) software for interactive diagnostics. The Contractor shall obtain EMS NG software required for the development, and submission of software problem tickets using the following link: https://oneil.service-now.com/ems/ .

(d) Armor Manual. The Contractor shall develop Armor TM (-13&P) IAW MIL-STD-40051-2B or latest version, and Content Selection Matrix - TABLE A-II Operators and Combined Operators/Maintenance Requirements Matrix (-13/-13&P) (Attachment 0040 TABLE A-II (-13 and 13 and P)), Content for the Armor TMs shall be based upon the results of the Maintenance Task Analysis and associated support item's Logistics Product Data (LPD) contained within PowerLOG-J. Armor TM content shall be mirrored in PowerLOG-J, within the appropriate associated record fields, to support and allow for quick updates to TMs based upon changes to LPD.

(e) Schematic Technical Bulletin. The Contractor shall develop a Schematic Technical Bulletin (TB) (-23) containing all wiring and schematic diagrams. The TB shall be prepared IAW MIL-STD-38784. Schematic TB content shall be mirrored in PowerLOG-J, within the appropriate associated record fields, to support and allow for quick updates to TBs based upon changes to LPD.

(f) National Maintenance Work Requirements (NMWRs). The Contractor shall develop stand alone component specific technical manuals to support Sustainment components as determined by the Level of Repair Analysis, (LORA) and Maintenance Task Analysis (MTA) using Logistics Product Data maintained in the PowerLOG-J system (reference CDRL C004, LPD).

C.2.3.4.3 Technical Manual Book Plan
The Contractor shall develop a Book Plan that provides the Government with a detailed overview of the proposed scope of the manual in compliance with the contract. The plan is to be submitted to the Government for review and acceptance prior to the development of the TMs IAW CDRL C012, TM Book Plan. The plan shall be developed in Microsoft Word or Government approved software and shall list all work packages included in each publication. This plan shall clearly define the intended purpose of each IETM, TM, and TB, delineating the scope of each publication and explaining the interfaces and overlaps between or among the publications. (CDRL C012, TM Book Plan)

C.2.3.4.4 Technical Publications Interactive Electronic Technical Manual Content Plan
The Contractor shall develop Interactive Electronic Technical Manual (IETM) Content Plan that provides the Government with a detailed overview of the proposed scope and functionality of the IETM in compliance with the contract. The plan is to be submitted to the Government for review and acceptance prior to the development of the IETM. (CDRL C013, Technical Publications Interactive Electronic Technical Manual (IETM) Content Plan)

C.2.3.4.5 Technical Publications Schedule and Status Report
The Contractor shall provide a Technical Publications Schedule and Status Report to the Government to permit the Government to determine if TMs are being prepared and delivered IAW contract requirements. This document shall include critical tasks involved with all publications development, for example: key publication milestones, such as validations, IPRs, verifications, PTM reviews, publication deliveries. This Report shall also be included on the JLTV IPS Master schedule (reference CDRL A003 IMS). Comments and action items from TM reviews shall be summarized in the Technical Publications Schedule and Status Report. Action Items shall be addressed and resolutions presented during the next TM review. (CDRL C014, Technical Publications Schedule and Status Report)

C.2.3.4.6 Electronic Maintenance System (EMS) Next Generation (NG) Software Report

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The Contractor shall provide the Government with a Technical Publications Software and Status Report. This document shall include a list of both critical tasks and errors occurring in the development of the technical publications, including tracking of errors, status of error reports, and communications with Subcontractor(s). The report shall also include embedded diagnostics that are subject to software development and test, not IETM specifications. (CDRL C015, Electronic Maintenance System (EMS) Next Generation (NG) Software Report)

C.2.3.4.7 Technical Publications Cost Report
The Contractor shall develop a Technical Publications Cost Report that provides the Government with the actual technical publication costs that the Government can use for planning, evaluation, and future TM development cost estimating. (CDRL C016, Technical Publications Cost Report)

C.2.3.4.8 Technical Publications
The Contractor shall provide Technical Publication deliveries for each manual developed under for Government review. These shall be in the form of a Preliminary Technical Manual (PTM) or a Final Reproducible Copy (FRC). These shall include resolution of all comments and recommendations made as a result of all testing, Government reviews, Contractor validation, Government verification and Log Demo. The Contractor shall provide additional updates and reviews based on results of Government's PTM or FRC review(s) at no additional cost to the Government. (CDRL C017, Technical Publications)

a). The Contractor shall provide a Preliminary Technical Manual 1 (PTM1). The PTM1 delivery shall be provided for Government review 30 days prior to Log Demo and include the results of validation.

b) The Contractor shall provide a Preliminary Technical Manual 2 (PTM2). The PTM2 delivery shall be provided for Government review 30 days after Logistics Demonstration (LD) verification events and include the results of these events.

c) Final Reproducible Copy (FRC). For FRC delivery, the Contractor shall provide complete publication(s) that shall be representative of the final product. Contents must be clearly legible with content and format as for final. The Contractor shall deliver incremental and accumulative Technical Publications review packages for each JLTV FoV publication.

C.2.3.4.9 Technical Publications Quality Assurance Plan and Records
All delivered TM and IETM information shall be complete in content, technically accurate, and useable by target audience. The TM and IETM shall match the vehicle configuration as defined by the IPS configuration freeze. To meet these requirements, the Contractor shall develop and use a Quality Assurance (QA) Plan that guarantees:

(1) Periodic QA reviews of TM content by persons different from those preparing the TM.
(2) Maintenance of QA records detailing the findings of those reviews.
(3) Controls to ensure that current, accurate engineering and parts information is available to TM preparers.

Government representatives have the right to review the Contractors QA Plan, records, and processes throughout the duration of the contract.

C.2.3.4.10 Technical Publications Validation Plan
The Contractor shall provide to the Government a Technical Publications validation plan. The Technical Publications Validation Plan defines the Contractor's methods, procedures, controls, and resources that shall be used to accomplish validation of the TM(s) being procured and developed. The Technical Publications validation plan is submitted to the Government for review and acceptance prior to development of the TM(s). The Contractor shall conduct validation of operator and maintenance tasks. The TMs shall be validated for completeness, accuracy, clarity, usability, and adequacy of content against the JLTV FoV. The Contractor shall invite the Government to observe validation events. (CDRL C019, Technical Publications Validation Plan)

C.2.3.4.11 Validation Software and Hardware
The Contractor shall provide all personnel, equipment, tools, special tools, test equipment, mandatory replacement parts and utilize the latest version of released EMS NG software to support validation of LRIP configuration JLTV FoV for field and Sustainment level publication procedures. The Contractor shall validate IETMs are compatible with EMS NG Viewer software and capable of being viewed on a standalone laptop computer with EMS NG loaded. IETMs must also be validated on the Maintenance Support Device (MSD) V3 with SWICE, and Vehicle Automated Diagnostic System (VADS) along with the EMS NG Autonomous Diagnostic Manager (ADM) software for interactive diagnostics. The Contractor shall obtain EMS NG software required for the development, and submission of software problem tickets using the following link: https://oneil.service-now.com/ems/

C.2.3.4.12 National Maintenance Work Requirement (NMWR) Delivery
The Contractor shall develop Preliminary National Maintenance Work Requirement (NMWR) procedures including Repair Parts and Special Tools List (RPSTL), containing all procedures and tasks required to perform Sustainment level maintenance tasks as identified in the Maintenance Task Analysis (MTA) and associated support item's Logistics Product Data (LPD) contained within PowerLOG-J. NMWR content shall be mirrored in PowerLOG-J, within the appropriate associated record fields, to support and allow for quick updates to NMWRs based upon changes to LPD. NMWRs shall be developed IAW MIL-STD 40051-2B and NMWR Content Selection Matrix - TABLE A-VII NMWR Requirements Matrix (Attachment 0042, DMWR_NMWR Requirements Matrix). The Contractor shall deliver the Sustainment Level Preliminary NMWRs within 60 days after validation. (CDRL C020, NMWR Delivery)

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C.2.3.4.13 Technical Publications Validation Certificate and Records
The Contractor shall provide a Validation Certificate for each Technical Publication. The Certificate is the Contractor's evidence that the Technical Publication products are accurate and complete. The Contractor shall also provide an indicator when some portion of the validation could not be accomplished. The Contractor shall maintain, and provide all validation records. All validation records will be accessible at verifications and Log Demo's. (CDRL C021, Technical Publications Validation Certificate)

C.2.3.4.14 Verification Software and Hardware
The Contractor shall provide all personnel, equipment, tools, special tools, test equipment, mandatory replacement parts and utilize latest version EMS NG software to support verification of production representative JLTV FoV for field level publication procedures. The Contractor shall validate IETMs are compatible with EMS NG Viewer software and capable of being viewed on a standalone laptop computer with EMS NG loaded. IETMs must also be verified on the Maintenance Support Device (MSD) V3 with SWICE along with the EMS NG Autonomous Diagnostic Manager (ADM) software for interactive diagnostics. The Government will provide Contractor with GFE to test software usability and functionality.

C.2.3.4.15 Verification
The Contractor shall provide the Government with validated Technical Publications to use as the baseline for Government verification. The verification shall be conducted at the Contractor's facility with production representative JLTV FoV. PTM(s) containing operator and field level maintenance tasks shall be re-validated when changes result from testing and approved ECPs or in cases where the Contractor failed to validate. The Contractor shall provide Technical Publication update services during the verification to incorporate changes in real time and to provide onsite resolution of any discrepancies found during the verification.

C.2.3.4.16 Content Management System
The Contractor shall provide all technical publication content source files including XML, graphics, multimedia files, and EMS NG specific files. The source files shall be delivered to the Government for use in the TACOMs EMS NG Content Management System (CMS) for review, publishing, and retention. Sequential narrative instructions and procedures and other associated LPD shall be input into PowerLOG-J, within the appropriate associated record fields, after TM and IETM validation and shall be updated in PowerLog J after successful TM and IETM verification and Government acceptance. (CDRL C022, Content Management System)

C.2.3.4.17 Components Warranty
If any components have a warranty, the Contractor shall include the specific warranty information in the Operators (-10) manual. This information shall include a listing of items under warranty, the terms of the warranty and procedures for pursuing a warranty (reference Attachment 0037 TABLE A-II (Operator Matrix)).

C.2.3.5 Logistics Demonstration

C.2.3.5.1 Logistics Demonstration Objectives
Logistics Demonstration (Log Demo) shall evaluate the following: 1) The supportability engineered and established for the system; 2) Human factors engineering aspects and MANPRINT related to operator and maintainer tasks; 3) The adequacy of maintenance planning for the system (such as maintenance concept, task allocation, maintenance procedures [to include repair procedures], troubleshooting procedures, Training Support Package [TSP], and peculiar support equipment); 4) Training and training devices; 5) Technical publications; 6) Common tools and special tools; 7) Spares and repair parts list; 8) The TMDE, including the embedded diagnostics, test program set, and diagnostic procedures in the technical manual; 9) The Logistics Management Information (LPD) data, including updates.

C.2.3.5.2 Log Demo Planning
The Contractor shall provide all necessary facilities, parts, tools and other items necessary to conduct a Log Demo for a period not to exceed 90 days. The Government will provide the Log Demo Plan no earlier than 180 days prior to the Log Demo. For planning purposes, the Log Demo is planned to take place approximately 18 months after award.

The contractor shall:

a. provide on-site support during the logistics demonstration (LD) by providing the following:

1. An experienced contractor Engineering representative shall be present to respond to issues identified during the LD. This representative will coordinate with all functional organizations necessary to resolve this issue.

2. have the contractor's provisioning and training representative on site during logistics demonstration to ensure RPSTL and training issues are identified and resolved.

3. have a contractor technical writer dedicated for each work station. This technical writer shall be responsible for making real time corrections as appropriate and documenting complete results of the work package demonstration.

b. provide large monitors (32+ inches) at each work station for in shop, bay, and desktop reviews. The display is intended to provide a means for the log demo team to view the procedure being performed by the mechanic. The screens shall be connected to the Maintenance Support Device. An additional mouse shall also be available with the monitor to allow other team members to control what is being viewed on the screen.

DRAFT

c. based on SSP requirements, prepare a checklist to track and assess the preparedness of the logistics demonstration. The checklist shall address all support requirements and be briefed and displayed at Logistics IPRs. This list shall provide availability status and dates for each SSP requirements. Issues that would cause delay or problems in performance of the logistics demonstration shall be clearly identified as follows: Green (on-hand and ready), Amber (not on-hand and item due-in by required date), and Red (not available by required date). Items coded Red shall be intensively managed to mitigate risk.

d. consolidate, package, and mark all Mandatory Replacement Parts (MRP) by task, for ready access during the Log Demo.

e. have back-up documentation for each work package organized and readily available during the Log Demo.

f. develop and maintain an automated record keeping database to track the results and status of the Log Demo activity and provide daily reports. A copy of the complete database shall be provided with the Log Demo Report (reference CDRL C023, Log Demo Results Report).

g. conduct a Log Demo readiness review with the Government at the event site six weeks prior to start of the logistics demonstration.

h. provide facilities and equipment that minimizes distraction and offers a safe, comfortable, and relatively clean work environment.

i. provide for a Government conference room near the worksite with two (2) phone and four (4) internet access points, excluding WI-FI.

C.2.3.5.3 Log Demo Report
The Contractor shall prepare and deliver a report that records the results of each Log Demo including evaluation of operations and maintenance procedures, support items, manpower and skill requirements, maintenance allocation, and maintenance times. The Contractor shall update all logistics products deliverable under this contract to include LPD, provisioning documentation, technical manuals, training documentation, based on the results of the Log Demo. Copies of these reports shall be delivered to the Government. Log Demo updates shall be incorporated into the respective publication deliverables and PowerLog-J. (CDRL C023, Log Demo Results Report)

C.2.3.6 Provisioning Program

C.2.3.6.1 Provisioning Plan and Analysis
The Contractor shall develop a Provisioning Plan that provides the Government with a detailed overview of the provisioning efforts. The plan shall address the Contractors provisioning process and organization, to include any Subcontractors. (CDRL C024, Provisioning Plan and Analysis)

C.2.3.6.2 Provisioning Parts List
The Contractor shall develop, maintain, and provide Provisioning Parts Lists (PPL) IAW Attachment 0043, Provisioning Requirements Statement, and Attachment 0044 Data Requirements Form for Acquisition Requirement Package (ARP).

The Contractor shall develop the initial PPL Logistics Product Data (LPD) that reflects the JLTV FoV and associated support equipment's product baselines. The PPL shall include all repairable and consumable items unless excluded by the provisioning requirements.

The PPL shall include items such as parts, material and connecting cabling required for the operations and maintenance of the end item and equipment. A single Provisioning Contract Control Number (PCCN) will be assigned to JLTV vehicles and trailer. Separate Provisioning Control Codes (PCCs) will be provided for each JLTV FoV Model. The PPL shall be structured in a top-down breakdown disassembly sequence. Indenture Codes shall be in Alpha Character format. The Provisioning Line Item Sequence Number(s) (PLISN) range of a PPL shall be grouped in ranges by Functional Group Coding (FGC). For example, FGC 01 will have a PLISN Range of AAAA thru A999, FGC 02 will have a PLISN Range of BAAA thru B999, FGC 03 will have a PLISN Range of CAAA thru C999. The Contractor shall make the quantity per assembly, and the quantities per end item, the same to ensure compatibility with the US Army Logistics Modernization Program (LMP). The Contractor shall ensure the ability to generate a separate PPL for each category of JLTV FoV platform. The Contractor shall input, maintain, and update all PPL LPD in the PowerLOG-J system and ensure all LPD is available for the Government to download the PPL via the PowerLOG-J LSA 151 report and the LSA 036 report without errors. The Contractor shall ensure that LPD are compatible with LMP and can be transferred electronically to the Government for successful updating of the Provisioning Bill of Material (PBOM).

C.2.3.6.3 Engineering Data for Provisioning
Engineering Data for Provisioning (EDFP) is technical and engineering Logistics Product Data (LPD) which provides definitive identification of dimensional, materiel, mechanical, electrical, or other physical characteristics, locations, and functions of the item. EDFP is used to describe parts, equipment, and consists of data such as specifications, standards, drawings, photographs, sketches and descriptions. EDFP includes assembly and general arrangement drawings, schematic drawings, schematic diagrams, and wiring and cable diagrams necessary to indicate the physical characteristics, locations and functions of the item. EDFP must be in the English language. Foreign language EDFP not translated into the English language will not be accepted by the Government.
EDFP shall be developed IAW DI-SESS-81874 and shall provide LPD for the following:

1 - Technical Identification of items for maintenance support considerations
2 - Preparation of item identification for the purpose of assigning National Stock Numbers (NSNs)
3 - Review for item entry control

DRAFT

4 - Standardization
5 - Review for potential interchangeability and substitutability
6 - Item management coding
7 - Preparation of allowance or issue lists
8 - Source, Maintenance, and Recoverability (SMR) code verification
The Contractor shall input, maintain, and update EDFP LPD for the JLTV FoV and identified support equipment in the PowerLOG-J system

Under this effort the Contractor shall:

1 - Deliver EDFP concurrently with the Provisioning Parts List (PPL) to document the Product Baseline JLTV FoV and all associated kits and identified support equipment.

2 - Maintain electronic access to Military and Federal Specifications and Standards.

3 - Submit EDFP for all items identified with a P in the first position of the Source Maintenance and Recoverability (SMR) code which do not have National Stock Numbers (NSNs) assigned.

4 - Identify, and input into PowerLOG-J, all cataloging information associated with JLTV FoV items that do have NSNs assigned.

5 - Cite all approved vendor's Commercial and Government Entity (CAGE) codes. The CAGE codes shall be typed, stamped, or legibly written with an authorized signature and date on drawings. Drawings for components with other than unlimited rights to the Government can be envelope drawings or list drawings. All drawings shall be input, updated and maintained in the PowerLOG-J system. The Contractor shall develop a Provisioning Plan that provides the Government with a detailed overview of the proposed scope of the Provisioning efforts. The plan shall address the Contractors provisioning process and organization, to include Subcontractors (if applicable).

6 - For items not supported by Government recognized specifications or standards, deliver EDFP in the following order of precedence:

a) Technical data equivalent to approved product drawings as defined under MIL-DTL-31000C
b) Technical data equivalent to in-process or incomplete product drawings as defined under MIL-DTL-31000C;
c) Commercial drawings, commercial manuals, catalogs, catalog descriptions, sketches or photographs with brief descriptions of dimensional, materiel, mechanical, electrical, or other descriptive characteristics.

C.2.3.6.4 Cataloging Input
The Contractor shall update the LPD to reflect the results of cataloging actions, including changes to item nomenclature. Inconsistencies in nomenclature between the drawings and draft Technical Publications must be resolved in LPD and the Technical Publications before final Technical Publications are delivered to the Government.

C.2.3.6.5 Provisioning and Other Pre-procurement Screening Data
The Contractor shall conduct a pre-procurement screening for all items selected as repair parts and provide screening results to the Government. The Contractor shall use Government or industry association, specifications, drawings, or standards numbers as the preferred reference number (For example, Federal (FED), Military (MIL), Joint Army and Navy (JAN), Air Force and Navy (AN), National Electrical Manufacturers Association (NEMA), Society of Automotive Engineers (SAE)). The Contractor shall perform this screening to select valid part numbers for the PBOM. All vendor source information identified on the drawing will be screened by the Contractor. The Contractor shall update the Contractors provisioning data files with current part numbers that have NSNs as results of pre-procurement screening for standardization and component selection. (CDRL C025, Pre-Procurement Screening Data)

C.2.3.6.6 Provisioning Bill of Material Feedback
The Contractor shall maintain and continuously update the JLTV FoV LPD database using the Provisioning Technical Documentation (PTD) Report provided by the Government quarterly.

C.2.3.6.7 Provisioning Quality Acceptance Standards
The Contractor shall adhere to the most recent version of quality standards outlined in GEIA-STD-0007, GEIA-HB-0007, and TA-HB-0007. During the term of the contract, changes may occur that are due to LMP or process requirements. The Government will notify the Contractor of these provisioning changes. The Contractor shall make appropriate provisioning changes identified by the Government in the immediately preceding PowerLOG-J update.

C.2.3.6.8 Provisioning Technical Documentation Guidance

C.2.3.6.8.1 Next Higher Assembly Provisioning List Item Sequence Numbers and Overhaul Quantities
The Contractor shall enter within PowerLOG-J, the Overhaul Quantities (OVHL QTY) for each item, IAW the most recent version of the GEIA-STD-0007:

(a) Identify the immediate Next Higher Assembly (NHA) Provisioning List Item Sequence Number (PLISN). Enter an OVHL QTY.
(b) Using the top down break down structure, identify all subsequent assemblies preceding the down part. Enter NHA PLISN and OVHL QTY.
(c) Identify the model record PLISN(s) as a NHA PLISN and enter an OVHL QTY.

DRAFT

C.2.3.6.8.2 Maintenance Replacement Rates
The Contractor shall use results from RAM data to determine the Maintenance Replacement Rates I and II (or Failure Factors) and annotate these within PowerLOG-J. These rates may vary by variant and mission package configuration. The Maintenance Replacement Rate (MRR) shall be a consolidation of all known RAM information. The Contractor shall develop rationale and methodology for determining MRRs, IAW the most recent versions GEIA-STD-0007, GEIA-HB-0007, and TA-HB-0007 using the following data:

(a) Engineering Data
(b) Warranty Data
(c) Testing and Developmental Documentation
(d) Historical Data on an analogous piece of equipment. When using historical data, the MRR II will be, at least 2.5 times greater than that of MRR I.

C.2.3.6.8.3 Essentiality Coding and Line Replaceable Unit
The Contractor shall recommend the Essentiality Code (EC) for spare or repair items IAW AR 700-18 section 4-4. Items deemed as having an EC value of "1" shall automatically be considered a Line Replaceable Unit (LRU) and shall be reflected as such in all affected Logistic Product Data (LPD). EC LPD, and any affected LRU determination shall be input, maintained, and updated in the PowerLOG-J system.

C.2.3.6.8.4 Provisioning Parts List Pricing Data
The Contractor shall obtain and input Logistics Product Data (LPD) of the actual or estimated realistic pricing for all items identified in the Provisioning Parts Lists (PPL) into the PowerLOG-J system. For items already in the federal supply system, the Contractor shall use the price identified in FED LOG (or comparable information service). Determination of pricing data shall be in the following order of precedence:

a) OEM pricing
b) Estimated pricing from a like item

C.2.3.6.8.5 Expendable or Consumable Items
When provisioning expendable and consumables, the Contractor shall select expendable or consumable items from the military supply system. If an item cannot be located, or the Army or USMC is not listed as a user, the Government shall be notified and shall direct the Contractor if provisioning actions are required.

C.2.3.6.9 Provisioning Reports and Lists
The Contractor shall ensure that Logistics Product Data (LPD) for all systems, subsystems, parts, components, and tools that comprise the JLTV FoV and support equipment are correctly identified and updated to allow the generation of the following sub-reports without error from within the PowerLOG-J LSA-036 report:

a) Provisioning Parts List (PPL)
b) Long Lead Time Items List (LLTIL) with items identified IAW in section 10.3.3 of DI-IPSS-81285 with procurement times greater than 90 days.
c) Repairable Items List (RIL) with items identified IAW section 10.3.4 of DI-IPSS-81285
d) Tools and Test Equipment List (TTEL) with items identified IAW section 10.3.6 of DI-IPSS-81285. Additionally, the list shall identify those required tools included in the Army Standard Automotive Tool Sets and corresponding Marine Corps tool sets.
e) Common and Bulk Items List (CBIL) with items identified IAW sections 10.3.7 and 10.3.7.2 of DI-IPSS-81285
f) System Configuration Provisioning List with items identified IAW sections 10.3.10 and 10.3.10.1 of DI-IPSS-81285

The Contractor shall update LPD to reflect the results of Provisioning Conferences, USG reviews, or other scheduled evaluations. The Contractor shall input, maintain and update LPD in the PowerLOG-J system

C.2.3.7 Packaging, Handling, Storage and Transportation

C.2.3.7.1 Packaging for the JLTV FoV
Packaging for the JLTV FoV: The Government intends to have a complete Packaging, Handling, Storage, and Transportation (PHS&T) portfolio developed for the JLTV FoV. This includes the development of packaging LPD data, Special Packaging Instructions (SPI), and Equipment Preservation Data Sheets (EPDS).

C.2.3.7.2 Packaging Data Development
The Contractor shall develop packaging data for all items identified during the provisioning process with a Source, Maintenance & Recoverability (SMR) code beginning with "P". Packaging data development priority shall be given to repairable items, NMWR and DMWR candidate items, Line Replaceable Units, and any large, high cost item classified as a Special Group Item (reference C.2.3.7.3.2, Special Group). Packaging shall be developed IAW MIL-STD-2073-1D. Each SMR coded "P" item shall be classified as a selective group item or special group item. The Contractor shall provide facilities, equipment, materials, and provisioned items for packaging development. The Contractor shall complete verification and provide support data with each data submittal identified in paragraphs below. Validation support data shall include item drawings and copies of any applicable Material Safety Data Sheets for Hazardous Material items. Items with assigned Contractor and Government Entity (CAGE) Codes of: 1T416, 21450, 80204, 96906, 10060, 24617, 80205, 99237, 80244, 81343,

DRAFT

81346, 81348, 81349, 81352, 88044, 05047 are excluded from packaging data development.

C.2.3.7.3 Item Classification
The Contractor shall classify each SMR "P" coded item as a Selective group item or a Special group item IAW MIL-STD-2073-1D, C.2.3.7.3.1, and C.2.3.7.3.2.

C.2.3.7.3.1 Selective Group
Items classified as Selective group items shall not have a unit pack weight exceeding 40 pounds and shall not have a dimension greater than 40 inches. In addition, the unit pack length and girth combined shall not exceed 84 inches. A Selective group item must not require disassembly for packaging. Reconfiguration for packaging of Selective group items is limited to folding or coiling. Items will not be classified as Selective if they are repairable, recoverable, contain hazardous material, or if assigned a shelf life. Packaging data output for Selective group items is in the form of LPD Coded Data Products (reference C.2.3.7.4).

C.2.3.7.3.2 Special Group
Items classified as Special group items often require sketches, figures, or narrative instructions to describe packaging requirements. Items excluded from the Selective group will be classified as Special group items. Special Group items include armor kits, axles, other kits, sets and items of separate parts, items requiring disassembly, repairable items, items requiring special handling or condemnation procedures, items classified as hazardous material or hazardous goods in transport, items assigned a shelf life, electrostatic discharge sensitive items, fragile, sensitive, and critical items. Packaging data output for Special group items consists of Special Packaging Instructions and LPD Coded Data Products.

C.2.3.7.4 Logistics Product Data Coded Data Products Packaging
The Contractor shall develop and deliver LPD packaging data for each SMR "P" coded Selective and Special group item. At the Contractors request, the Government may provide a MS ACCESS application that provides data formatting and edit features for coding of packaging LPD data products. The Contractor shall develop, maintain, and update packaging data IAW MIL-STD-2073-1D, Attachment 0045 Packaging Data Products, and Attachment 0046 Incoming Transaction Format. All associated packaging LPD shall be input, maintained and updated in the PowerLOG-J application. (CDRL C026, LPD Coded Data Products Packaging).

C.2.3.7.5 Special Packaging Instructions
The Contractor shall develop a Special Packaging Instructions (SPI) for each item classified as a Special group item. Figures and narrative data shall be developed and delivered to describe the form, fit, and function of packaging in sufficient detail for production. The SPI package shall include packaging LPD coded data and packaging test reports for all special group items and the special packaging instructions. The Contractor shall ensure that all SMR "P" coded items requiring SPIs are accounted for. SPI format shall be IAW MIL-STD-2073-1D. (CDRL C027, SPI)

C.2.3.7.6 Validation Testing of Packaging
The Contractor shall conduct validation testing for each item classified as a Special group item. Validation testing of Special group items shall be IAW ASTM D 4169 (Standard Practice for Performance Testing of Shipping Containers and Systems) Distribution Cycle 18, Assurance Level I, with Acceptance Criterion 3 (product is damage free and packaging is intact). Validation testing shall be limited to Test Schedule A and Test Schedule F. Climatic conditioning is not required. Each SPI submitted shall have a packaging test report including photographs. Photographs shall show the product before and after testing and that the product is undamaged. Packaging test reports shall be submitted concurrently with SPI submittal, and packaging LPD data products for the Special group items. The Contractor shall provide a Validation Test Report. (CDRL C028, Packaging Validation Test Report)

C.2.3.7.7 Equipment Preservation Data Sheets
The Contractor shall develop Equipment Preservation Data Sheets (EPDS) for the JLTV FoV. The Contractor shall include requirements for disassembly procedures to meet clearance requirements for land, air, and sea shipments. The Equipment Preservation procedures shall include drive-on and drive-off capability. The Contractor shall develop packaging requirements for BII and COEI. BII shall be packed separate from COEI. HAZMAT (if applicable) shall be packaged and shipped separately IAW CFR Title 49. The Contractor shall ensure the stowage locations shall deter pilferage and shall not interfere with lifting, tie down or other transportation handling. The Contractor shall revise the EPDS to reflect design changes that affect the system's shipment configuration, weight, or transportability. The Contractor shall also provide revisions to the EPDS for each provisioning change affecting packaging of BII or COEI. Format of EPDS shall be IAW MIL-STD-3003. All associated packaging LPD shall be input, maintained and updated in the PowerLOG-J application as required. (CDRL C029, Equipment Preservation Data Sheets)

C.2.3.7.7.1 Validation of EPDS
The Government will determine if all or selected portions of the Equipment Preservation Data Sheet procedures shall be validated to determine the adequacy of the vehicle preservation procedures. Primary considerations will be given to the complexity and uniqueness of the process and materials involved. The Contractor shall notify the Government sixty (60) days prior to conduct of Contractors validation. The Government shall witness the Contractors validation. The Contractor shall provide a validation report. (CDRL C030, EPDS Validation Report)

C.2.3.7.8 Long Life Reusable Containers

C.2.3.7.8.1 LLRC Development

DRAFT

The Contractor shall search for existing reusable container designs that are suitable for the Engine, Transmission, and Transfer-Case (T-Case) via the Container Design Retrieval System (CDRS). If there are no applicable existing LLRCs, the Contractor shall fully develop LLRCs IAW SAE ARP 1967A, and Appendix A of Attachment 0047, Revisions and Exceptions to SAE ARP 1967A. All associated packaging LPD shall be input, maintained and updated in the PowerLOG-J application. (CDRL C031, Container Design Retrieval System (CDRS) Search Request)

C.2.3.7.8.2 Material
The containers shall only be fabricated from steel, aluminum, or composite material. If a metallic container is developed it must have a Chemical Agent Resistant Coating (CARC) as defined in SAE ARP 1967A. The use of wood in the design and fabrication of these reusable containers is forbidden except for the container skids.

C.2.3.7.8.3 Performance
The containers shall incorporate energy absorbing systems, dehumidification systems, and other special features to ensure protection of the item. The containers shall be capable of being repaired or retrofitted to prolong container service life or modified to adapt the reusable container for shipment of the items other than for which it was originally intended. Attachment 0048 TB 9-289 Technical Bulletin for the Reconditioning of Type I and Type II Reusable Metal Containers, shall be used as a guide.

C.2.3.7.8.4 Size
The container size shall be of the minimum, consistent with the size, weight, and the performance requirements of SAE ARP 1967A with the exceptions listed in Attachment 0047 Revisions and Exceptions to SAE ARP 1967A. The Contractor shall develop the container for multi-modal transportation including truck, rail, air, and ocean.

C.2.3.7.8.5 Concept Drawing
The Government will furnish TACOM CAGE Code (19207) drawing numbers for container concept drawings at the Logistics IPT meeting following the results of the CDRS search. The Contractor shall use two of the furnished 19207 part numbers for creating the concept drawing for each component. One 19207 part number shall be assigned to each concept drawing. Each concept drawing shall include a Bill of Material that will identify the part number of the component being containerized and the 19207 part number assigned to the container. The Contractor shall submit a concept drawing. The Government will review and approve each concept drawing prior to prototype construction. (CDRL C032, Concept Drawing-LLRC)

C.2.3.7.8.6 Prototype Container and Test Plan
The Contractor shall construct a prototype container and shall submit for approval a test plan for each Government approved component IAW CDRL C033 Prototype Container and Test Plan. Testing shall be IAW SAE ARP 1967A and Appendix A of Attachment 0047 Revisions and Exceptions to SAE ARP 1967A. (CDRL C033, Prototype Container and Test Plan)

C.2.3.7.8.7 LLRC Fit-Up
The Contractor shall perform a validation by fitting the component to the container. The Contractor shall perform this validation on each container and provide a container Fit-Up Validation Report. The Contractor shall ensure the container designer is a full participant in fit-up of the containers. (CDRL C034, Container Fit-up Validation Report)

C.2.3.7.8.8 LLRC Testing
The Contractor shall notify the Government sixty (60) days prior to conduct of LLRC testing for each component. The Government will be present at testing of each LLRC. If the Government is not present, the test report and TDP submission will be rejected and the contractor shall reschedule testing for when the Government is available. In order to document Government attendance, the Government will provide a memorandum of attendance to the contractor at the end of testing, which shall be included as appendix A in the test report. Any test reports submitted without this memorandum will be immediately rejected by the Government.

The Contractor shall conduct LLRC testing IAW the approved test plan (reference CDRL C033, Prototype Container and Test Plan). If the Government determines that testing is unsuccessful, subsequent testing of the container must be rescheduled. The Contractor shall notify the Government thirty (30) days prior to the rescheduled test date. The Contractor shall ensure the container designer is a full participant in testing of the containers. The Government will witness LLRC tests for each container. The Contractor shall deliver a complete test report covering the component tested. (CDRL C035, LLRC Test Report)

C.2.3.7.8.9 LLRC TDPs
The Contractor shall develop and deliver a complete Production Level Technical Data Package (TDP) IAW MIL-STD-31000 for the reusable shipping and storage container upon receiving Government approval of a reusable container design and test report. The Government will supply part numbers and drawing numbers for the new parts and drawings. Product drawings shall comply with the most current version of ASME-Y14.100 and ASME-Y14.5M at time of award. Configuration management data shall comply with paragraph C.2.1.1.5. Electronic drawing file format shall be PRT, IGES, or PDF. (CDRL C036, Packaging LLRC TDP)

C.2.3.8 Training

C.2.3.8.1 Training Products Objectives
The Contractor shall develop JLTV training for Government personnel, Contractor personnel, Marine and Soldier operators, mechanics, welders and machinists in support of the JLTV FoV. Training support shall consist of training program management, training materials

DRAFT

design and development, and training conduct, as described in the following paragraphs. The Contractor shall develop all training materials (reference C.2.3.8.6) and conduct all training courses IAW MIL-PRF-29612B, Training Data Products, unless otherwise specified. The Contractor shall use the following as guidance: MIL-HDBK-29612-2 Part 2, Instructional Systems Development (USMC and TR 350-70 series (Army).

It is expected all Government Operators attending JLTV training will already have been trained and issued an OF 346 Operator license.

The operator training shall include capabilities, functions and operation of the system; preventive and corrective maintenance procedures for the operator, terrain and obstacle driving, and self-vehicle recovery. Upon completion, the training shall have enabled the student to operate the system, subsystems, equipment controls, and perform operator level preventive maintenance functions. The training shall emphasize hands-on instruction for operator tasks.

The maintainer training shall include capabilities, functions and operation of the system; preventive and corrective maintenance procedures; external diagnostics and other tests; performance of system checks and verification procedures; and measured performance data. Upon completion, the training shall have enabled the student to operate the system, subsystems, and equipment controls; execute diagnostic tests with TMDE and interpret results; remove and install major components; determine if the system and subsystem is malfunctioning or not; isolate and locate malfunctions to the Line Replaceable Unit (LRU); replace defective LRUs; troubleshoot and repair system and subsystem functions, and conduct Limited Technical Inspections. The training shall emphasize hands-on instruction for maintainer tasks.

The welders and machinists training shall include armor damage inspection, welding repair, thread repair or replacement, and quality assurance testing on welding and machinist actions. The training shall emphasize hands-on instruction for sustainer tasks.

C.2.3.8.2 Program Training Support
The Contractor shall conduct training supporting the below program events. Training shall be based upon the task and learning requirements for the operator, maintainer and sustainer personnel.

C.2.3.8.2.1 RAM Training
The Contractor shall conduct operator and crew tester training in support of RAM testing to Government personnel at the locations indicated on the test schedule in Attachment 0056, VEASAM. The Contractor shall conduct two training events with a maximum student capacity per training event of 30 operators and 15 maintainers, at each test site indicated. The course shall include tasks associated with safety, operating vehicle systems and controls, and capabilities. The Government shall confirm the training dates at least 45 days prior to the event.

C.2.3.8.2.2 Logistics Demonstration
The Contractor shall conduct a JLTV FoV familiarization training for operator, crew, and maintainer to military personnel, civilian personnel and Contractor personnel in support of the Logistics Demonstration at the locations indicated by Government. The Contractor shall conduct up to four training events, not to exceed two days for each event, with a maximum student capacity per training event of 30 operators and 15 maintainers, for operator and maintainer on the JLTV FoV, at the locations selected by the Government. The training shall be developed to the demonstration tasks and events chosen by the Government. The Government shall confirm the training dates at least 45 days prior to the event.

C.2.3.8.2.3 Multi-Service Operational Test and Evaluation
The Contractor shall conduct operator, crew and maintainer training to military personnel, civilian personnel, and Contractor personnel in support of Multi-Service Operational Test and Evaluation (MOT&E) at the locations indicated in Attachment 0056, VEASAM. The Contractor shall conduct three training events with a maximum student capacity per training event of 30 operators, and 15 maintainers, for operator and maintainer on the JLTV FoV, at the locations selected by the Government. The Learning Analysis Data shall be used to justify any increase of training hours above 40 hours as indicated in Attachment 0035 NET Plan. The MOT&E course is intended for Marines and Soldiers, or other personnel, as determined by the Government, who will be operating and maintaining the system during MOT&E. The Government shall confirm the training dates at least 45 days prior to the event.

C.2.3.8.2.4 Instructor and Key Personnel Training
The Contractor shall conduct Instructor and Key Personnel Training (I&KPT) consisting of separate training for Operators, Maintainers and Sustainers. Personnel shall be military representatives from the formal schools, operating forces units, and other Government personnel. The Contractor shall conduct two separate courses to be conducted NLT 120 days prior to the first Total Package Fielding. The Contractor shall conduct JLTV FoV Operator classes with a maximum of Thirty (30) Operators in each class, JLTV FoV Maintainer classes with a maximum of Twenty (20) Maintainers in each class, and JLTV FoV Sustainers classes with a maximum Ten (10) in each class.

C.2.3.8.3 Management of Training Development

C.2.3.8.3.1 Training Program Development and Management Plan
The Contractor shall prepare, execute, and deliver a Training Program Development and Management Plan (TMP) in Contractor format which describes the Contractors approach to completing the design and development of the training deliverables including training materials, resources to support planned training events, potential risk areas, and schedule status. The Government will use the TMP to assess the soundness of the Contractors approach and ability to meet program milestones and events. This plan shall be updated IAW the CDRL C037,

DRAFT

Training Program Development and Management Plan.

C.2.3.8.3.2 Training Manager
The Contractor shall appoint a Training Manager who shall be the single POC for training and courseware development matters. The duties of this Training Manager shall include developing and updating the training program management plan, the training courseware analysis, design, development, presentation, coordination and implementation of the training.

C.2.3.8.3.3 Instructors
The Contractor shall provide qualified instructors experienced with teaching methods, strategies, and techniques. Instructors shall be proficient with 1) the JLTV FoV for operator, maintainer, and sustainer tasks, all associated tools and support equipment, and 2) the entire training program, respective to the course.

The Contractor shall provide technically qualified and certified instructors on all training and instructional materials related to the Government approved POIs. Instructor certification shall be established by Army Basic Instructor Course (ABIC), or by a civilian certification program through public or private certification process, or by a documented Contractor certification program, approved by the Government, that requires instructors to (1) present instruction using the conference method (2) present instruction using the demonstration method (3) present instruction using the practical exercise (PE) method.

The Contractor shall evaluate instructor ability to present instructional materials using a performance evaluation checklist (PEC). In order to successfully complete this requirement, instructors must achieve a "GO" on the final PE by presenting a combination of the conference, demonstration, and PE methods of instruction and facilitate an Action After Review (AAR) following another instructor's presentation IAW a Performance Evaluation Checklist (PEC). Upon successful completion of a Government approved Contractor certification program, instructors become certified to teach selected NET POI(s). AR 350-1 (Army Training & Leadership Development) and TR 350-70 series (Training Development) outlines requirements for instructor certifications (reference CDRL C037, Training Program Development and Management Plan).

The Contractor shall fund travel cost, at no cost to the Government, for non-certified instructors to attend the certification training. Any subcontracted training effort shall follow existing Government instructor certification procedures and related protocol for conduct of JLTV training.

C.2.3.8.3.4 Training Program Working Group
The Contractor shall establish a Curriculum and Training Materials Working Group to monitor and review the development of training materials to support the JLTV FoV. Working Group shall consist of Contractor, military, and program office personnel. This working group will track and monitor schedules, risks, and issues that impact the development and implementation of training. The Government shall review and approve the learning content creation, the instructional products, and provide Instructional Design and SME input. The Contractor shall record and disseminate the actions, discussions, recommendations and conclusions addressed by the working group (reference CDRL C038, Training Program Development Reports).

C.2.3.8.3.5 Training Program Development Reports
The Contractor shall provide Training Program Reports to inform the Government on matters related to design and development of training materials and planning for training events. The Contractor shall identify training dates and delivery dates of draft and final training materials. The Contractor shall include the status on all training CDRLs, a list of problem areas encountered, solutions, and alternatives proposed or executed, and expenditures to date in each report. (CDRL C038, Training Program Development Reports)

C.2.3.8.4 NET Training Conduct
The Contractor shall conduct JLTV FoV system training courses consisting of various instructional methods including lectures, demonstrations, and practical applications. No less than sixty (60) percent of each course shall be practical application hands-on training. The student-to-instructor ratio shall not exceed 30:1 for lectures, and shall not exceed 5:1 for hands-on training, practical exercises, and practical application. Maximum class size is thirty (30) students. Minimum class size is ten (10) students. All training course shall make maximum usage of the TMs, IETMs, and job aids. Information in the training courses shall not contradict the TMs and IETMs. The training shall not be more than eighty (80) hours in length consisting of ten (10) eight-hour days and shall be conducted Mondays through Fridays, beginning at 0800 on the first day. Government approval is required to extend the class length beyond eighty (80) hours. The Government reserves the right to have Government or military training SMEs observe training and will notify the training manager of any discrepancies or recommendations.

C.2.3.8.4.1 Training Syllabus and Program of Instruction
The Contractor shall provide for each program event and iteration of training, a training syllabus for USMC and Program of Instruction (POI) for the Army and shall be included in the Training Support Package (TSP). The training syllabus and POI shall be IAW MIL-PRF-29612B, Training Data Products (USMC) and TR 350-70 series (Army). The training syllabus and POI shall contain course objectives, the daily training schedule, criteria for successful completion, grading procedures, names of instructors and instructor contact information, in case of emergency. (CDRL C039, Training Support Package)

C.2.3.8.4.2 Training Materials Changes
The Contractor shall develop training materials changes to be incorporated into the Training Support Packages (reference CDRL C039, Training Support Packages). These changes shall be based upon comments received in the course critiques and mutually agreed between the

DRAFT

Government and the Contractor based upon training requirements documented in the Government-approved Instructional Performance Requirements Document (Training Task Data). Upon completion of each training course, the Contractor shall provide the Government with Training Materials Change data for the course, within ten (10) working days.

C.2.3.8.4.3 Classroom Set-Up
The Contractor shall provide all instructor equipment required to conduct the class when training is at Government or military facilities. The Contractor shall be responsible to provide all Student and Instructor training guides, view graphs, slides and multi-media materials necessary to provide a complete course of instruction.

C.2.3.8.5 Course Conduct Information Package (Trainee and Training Course Completion Data)

C.2.3.8.5.1 Course Certificates
The Contractor shall provide each student with a course completion certificate, in Government approved Contractor format that states the type and location of training, number of hours, student name, completion date, and will be signed by the lead Contractor instructor or NET Manager at the conclusion of each class. The JPO JLTV NET Managers will review the certificate template and provide notification of corrections, if required. (CDRL C040, Course Certificates)

C.2.3.8.5.2 Class Demographic Data
The Contractor shall record and provide to the Government the class demographic data for each JLTV training course and class. The data elements are type and location of training, a student roster containing student name, rank, MOS, unit and location, telephone and DSN numbers, and names of instructors. The class roster shall be provided to the Government on the first day of training, monitored throughout the training course and included in the final class documentation. (CDRL C041, Class Demographic Data)

C.2.3.8.5.3 After Instruction Report (USMC), After Action Review (Army), and End of Course Survey
The Contractor shall administer an After Instruction Report (AIR) for USMC or an After Action Review (AAR) for Army to the students at the end of each course iteration using Attachment 0082 After Instruction Report or an After Action Review (AIR/AAR). Content of the AIR and AAR will be tailored to the specific course taught and submitted to the Government for review (reference CDRL C088, Training Support Package). The purpose for this data collection is to provide both the Contractor and Government the areas of the training that may need changes implemented (CDRL C042, After Instruction Report (USMC), After Action Review (Army), and End of Course Survey).

C.2.3.8.6 Training Materials Development
The Contractor shall employ a systematic approach to identify and analyze operator and maintainer job tasks in order to provide the individual job task data necessary to support the design and development of training curriculum.

C.2.3.8.6.1 Training Task Data
The Contractor shall analyze the individual job performance requirements to operate and maintain the JLTV FoV for Crew, Operator, Maintainer, and Sustainer.
The Contractor shall compare existing military training and readiness standards, Formal School Programs of Instructions and Learning Analyses to the new job requirements and identify specific job tasks, sub-tasks and performance steps necessary to complete the task along with the required knowledge, skills and abilities (KSAs) necessary to achieve successful task completion.

In the analysis Contractor shall also use;

For Operator tasks, the Government developed JLTV FoV Master Task List (Attachment 0083 JLTV FoV Master Task List).

For Maintainer and Sustainer tasks, the National Automotive Technicians Education Foundation (NATEF) Program Accreditation Standards, Applied Academic & Workplace Skills for Collision Repair & Refinish Technicians and Applied Academic & Workplace Skills for Medium and Heavy Truck Technicians for Maintainer Task List available at the NATEF web-site (http://www.natef.org/).

Task data shall include task selection criteria (difficulty, importance, frequency, criticality) and the conditions and standards from which successful performance is measured. The Contractor shall use the Maintenance Task Analysis (MTA) as an input into the training task data for operator and maintainer Preventative and Corrective maintenance tasks The Contractor shall use EMD Mission Task data, Skills Analysis data and training packages as inputs into the training task data. Furthermore, all tasks developed shall be input, maintained, and updated in PowerLOG-J. (CDRL C043, Training Task Data)

C.2.3.8.6.2 Learning Analysis Report
The Contractor shall conduct a learning analysis to develop critical tasks into learning objectives, establish performance criteria related to tasks and objectives accomplishment, sequence objectives for training, and identify the mission statement, course objectives, instructional methods, learning events, training tools and aids, and media planned for instructional delivery to the various users requiring training; using the Government approved training task data. (CDRL C044, Learning Analysis Report)

C.2.3.8.6.3 Training Support Packages
For each training course (operator, maintainer, and sustainer), the Contractor shall develop and deliver a Training Support Package (TSP). The TSP shall contain the Course Descriptive Data (CDD) and Program of Instruction (POI). The CDD shall provide a detailed description of the course including instructional resources, class length, and curriculum breakdown. The POI shall describe the course

DRAFT

in terms of structure, delivery methods and media, length, intended learning objectives, and evaluation procedures. Also the TSP shall contain the lesson topics, showing the purpose, learning objectives, and time allotted for each session; academic hours by type of instruction; instructional materials required; facility and instructor requirements; media and training support equipment; reference materials; type of instruction (practical exercise, demonstration, lecture), and tools to include Test, Measurement and Diagnostic Equipment (TMDE) required for each period of instruction. As part of the TSP, for each lesson, the Contractor shall provide a lesson Concept Card summarizing the lesson purpose, tasks the students will perform and practice, lesson execution strategy, lesson sequence group method, lesson objectives, lesson methods and media, student-instructor ratios, time and quantity of resources required.

The physical and electronic copies of the fully detailed training materials are to be delivered in the quantities that the government indicates are required for the number of personnel the government wishes to have trained. Additional copies in quantities indicated by the government as required for archival purposes shall also be delivered. (CDRL C093, Training Support Package)

C.2.3.8.6.4 Lesson Plans
The Contractor shall develop and deliver Lesson Plans following TRADOC Regulation 350-70 Series and NAVMC 1553.1 Systems Approach to Training User Guide format. Lesson plans shall be sequenced and contain information relevant to each period of instruction, including training objectives and instructions for the delivery of training, equipment required, application of training visual aids, check on learning and written test, and task performance checklists. (CDRL C045, Lesson Plans)

C.2.3.8.6.5 Instructor Guides
The Contractor shall deliver an Instructors Guide (IG) that includes slide presentations for the instructor to utilize while conducting the training and can be used as part of the Training Support Package (TSP). The IG shall include all the information located in the lesson plans, plus the information in the visual aids. (CDRL C046, Instructor Guides)

C.2.3.8.6.6 Student Guides
The Contractor shall develop and deliver Student Guides. The Student Guides shall contain information that enhances student mastery of learning objectives, and shall provide information and summaries relevant to each period of instruction to include training objectives, lesson outlines, and technical references. (CDRL C047, Student Guides)

C.2.3.8.6.7 Training Test Package
The Contractor shall utilize the Government approved Training Test Package (CDRL C048, Training Test Package) which shall include two written examination versions and one set of performance tests for the examination of an individual's knowledge, skills, abilities, and achievement of terminal and enabling learning objectives based upon the Learning Analysis Report (reference CDRL C044). Written test items shall be a mix of multiple choice, fill-in-the-blank questions, labeling, matching and short answer based on the learning domain of the learning objective. Test packages shall include a minimum of three (3) test items for each learning objective. Written test shall contain no more than 50 questions and no less than 25 questions. The performance tests shall be developed to evaluate the students ability to perform specific operator or maintainer task and subtasks. Performance tests shall be in checklist format and have rubrics for grading performance. Instructions to the evaluator and student shall be contained in both evaluator and student copies. Version control and integrity of the tests shall be the responsibility of the Contractor.

C.2.3.8.6.8 Job Aids
The Contractor shall develop and deliver a job aid to provide performance support for safety concerns, set-up, operations, and preventative maintenance checks and service. The Contractor shall identify critical and complex tasks for which job aid will enhance human performance of mental and physical human-system interfaces.

The job aid shall be legibly printed on subdued colored medium weight and weatherized treaded paper and laminated card stock paper able to withstand the detrimental effects of the outdoor environment including direct sunlight, water, and humidity. The Contractor shall deliver to the Government the approved job aid in an editable commercial electronic format compatible with the Governments Microsoft software suite. Examples of relevant job aids include a hard card, pocket checklist, procedural guides. (CDRL C049, Job Aids)

C.2.3.9 Item Unique Identification Markings
For the life of the ccontract, the Contractor shall plan for and implement specific Item Unique Identification (IUID) marking on the JLTV FoV and unique components, IAW the most current version of MIL-STD-130 and 129 and DFARS clauses 252.211-7003, and DFARS 211.274, 211.274-2, 211.274-4, and 211.274-5.

C.2.3.9.1 IUID Requirements
For the life of the ccontract, the Contractor shall ensure all required items are marked with IUID markings prior to delivery and acceptance by the Government. The Contractor shall incorporate IUID markings into existing data plates whenever possible. IUID marking information shall be uploaded by the Contractor to the DoD IUID Registry. The Contractor shall input, verify and validate the UII in the DoD IUID Registry. Bar coding and the 2-D IUID data matrix shall be machine-readable with common optical scanning devices and be accompanied by the corresponding human-readable markings when practical. Whenever practicable, the location of the marking on the item shall ensure its readability during normal operational use. See DFARS 211.274-2 Policy for Item Unique Identification. In addition to the DFARS 211.274-2 marking requirements, the following items shall be marked by a data plate that contains the IUID data matrix:

(a) Principal End Item
(b) Engine

DRAFT

(c) Transmission
(d) Integrated Starter Generator (ISG)
(e) Transfer Case
(f) Steering Gear Box
(g) Differential Assembly

C.2.3.9.1.1 Data Plates
For the life of the ccontract, the Contractor shall permanently affix all data plates. Data plates shall be marked with a 2-D IUID data matrix defined in the most current version of MIL-STD-130. Data plates shall be IAW IUID Construct 2. Data plates shall be able to withstand the same environmental conditions as the vehicle. The vehicle data plate shall use MIL-STD-130, Figure 1, as a guide. All data plate information shall also include human and machine-readable bar coding.

C.2.3.9.1.2 Data Plate Information
For the life of the contract the Contractor shall encode 2-D IUID data matrix information on the data plate for each principal end item. The IUID data matrix shall be no less than one centimeter (1 cm) wide and no less than forty percent (40%) in contrast. The data plate shall be durable so as to remain affixed and easily readable throughout the intended useful life of the end item in its expected operational environment. The minimum data plate information for motor vehicle end items is listed below:

(a) Nomenclature
(b) USMC Vehicle Registration Number or Army Registration Number
(c) Design Activity (MFR ID CAGE Code)
(d) Serial Number (VIN)
(e) Government Ownership Designation: US PROPERTY
(f) Contract Number
(g) 2-D IUID data matrix
(h) Unique Item Identifier (UII)

C.2.3.9.1.3 Sub-assembly Data Plates or Markings
For the life of the contract, the Contractor shall ensure data plates or markings are permanently affixed in all applications, as well as human and machine-readable. The data plate or markings shall be durable so as to remain affixed and easily readable throughout the intended useful life of the item in its expected operational environment. Subassembly data plates shall have human and machine-readable bar code and IUID data matrix information as follows. For subassembly items that do not currently utilize a data plate, the Contractor shall refer to MIL-STD-130 to develop best business practices for display of the below data elements:
(a) Part Number
(b) Serial Number
(c) Manufacturer CAGE code
(d) 2-D UID data matrix
(e) Unique Item Identifier (UII)

C.2.3.9.2 IUID Marking Plan
For the life of the ccontract, the Contractor shall deliver an IUID Marking Plan. The Plan shall include a list of all JLTV FoV baseline level components with its parent-child relationship defined, spares, special tooling or special test equipment for which an IUID is required as defined by the latest version of the DoD Guide to Uniquely Identifying Items, Assuring Valuation, Accountability and Control of Government Property and the latest version of MIL-STD-130. The Plan shall include a recommended prioritization of IUID marking on components or spares, based on Government input, and a recommended list of components on which to affix an IUID marking. The plan shall be reviewed by the Government for appropriateness and completeness to ensure the Contractor has correctly identified items, defined how the engineering assessment for data plate or marking placement was made, and how the Contractor shall validate the readability of the IUID data matrices. The plan shall address how the Contractor shall ensure its Subcontractor and vendors mark and sustain the marking for replenishing support in the future. (CDRL C053, IUID Marking Plan)

C.2.3.9.2.1 IUID Review Session
For the life of the contract, the Contractor shall conduct an IUID review session with the Government no later than 30 calendar days after submission of the proposed IUID Marking Plan. The purpose of the review session is to finalize the marking plan (reference CDRL C053, IUID Marking Plan) and for the Government to approve the list of components that must include IUID markings.

C.2.3.9.3 IUID Validation and Verification Report
For the life of the ccontract, the Contractor shall provide an IUID Validation and Verification Report with each production batch or lot of vehicles delivered to the Government. The report shall include a representative sample of IUID-related data matrix marks on items in each delivered Contract Line Item Number, Subcontract Line Item Number, Exhibit Line Item Number (CLIN, SLIN, ELIN) that are to be validated and verified. All IUID markings on principal end items shall be validated and verified and a random representative sample of subsystems and assemblies shall be validated and verified. Information shall only be provided once for each item marked and registered. (CDRL C054, IUID Validation and Verification Report)

C.2.3.9.4. IUID Logistics Product Data

DRAFT

For the life of the ccontract, the Contractor shall document all Logistics Product Data (LPD) associated with the IUID effort. All LPD shall be input, maintained and updated in the PowerLOG-J database application. Parent-child relationships associating each IUID tracked item with its next higher assembly as well as the delivered serialized JLTV end item or kit will be established and documented in PowerLOG-J. Any changes to established relationships during the life of the contract shall be immediately updated in PowerLOG-J as they occur.

C.2.3.9.5 Unique Item Identifier Report
The Unique Item Identifier Report for Embedded Items is a listing of UIIs encoded in a two-dimensional Data Matrix bar code affixed to those embedded items within the principle end item. The report shall be IAW the most current version of OSD Flat File Specification for IUID Schema document. For the life of the ccontract, the report shall be delivered as a flat file. The embedded item UIIs are delivered under a contract Exhibit Line Item Number (ELIN). The report identifies each embedded UII and its associated descriptive data elements. This information shall be submitted electronically, tied to a contract ELIN on the Wide Area Workflow (WAWF) Materiel Inspection and Receiving Report and is addressed to the DoD IUID Registry. Information shall be provided once for each embedded item marked and registered. (CDRL C055, Unique Item Identifier Report)

C.2.3.9.6 Radio Frequency Identification
For the life of the ccontract, the Contractor shall affix one Radio frequency Identification (RFID) tag to each vehicle and support package shipped Outside Continental United States (OCONUS) identified by the Government prior to shipment. The Contractor shall write all Transportability Control Number (TCN) or Document number, vehicle serial number, and RFID tag number data fields on the RFID tag and secure the tag on vehicles prior to shipment. All RFID tags are Government furnished.

C.2.3.9.7 Registration Numbers
For the life of the ccontract, the Contractor shall apply Army or USMC vehicle registration numbers to the vehicle data plate. The Government will provide registration numbers to the Contractor 60 days prior to contract production schedule.

C.2.3.9.8 Vehicle Serial Numbers
For the life of the ccontract, the Contractor shall include the appropriate serial number on the vehicle data plate. The Contractor shall ensure that all facility and test vehicle data plates reflect a JLTV FoV serial number. The Contractor shall ensure that the JLTV FoV data plates are updated with the Government provided registration numbers prior to providing vehicles for delivery.

C.2.3.10 Support Equipment

C.2.3.10.1 Special Tools and Test Equipment Development Validation
The Contractor shall develop, maintain, and update any Special Tool and Test Equipment (ST/TE) technical documentation for the JLTV FoV. The Contractor shall document all Logistics Product Data (LPD) associated with this effort. All LPD shall be input, maintained and updated in the PowerLOG-J database application. The Contractor shall ensure sufficient quantities of validated ST/TE and common tools and support equipment are available for conducting the Log Demo, Technical Manual verifications, MOT&E and I&KP Training.

C.2.3.10.2 Automated Test Equipment
The Contractor shall develop embedded diagnostics such as Built-In Test (BIT), Fault Isolation Test (FIT) and Built-In Test Equipment for JLTV FoV on-system maintenance troubleshooting and fault isolation. For faults or failures that cannot be consistently and effectively isolated using embedded diagnostics, to include the failure or unavailability of the onboard diagnostics device, the Contractor shall ensure manual fault isolation and troubleshooting procedures are included in the IETM(s). Any procedures requiring an at-platform support device must be compatible with MSD, EMSS, and VADS. Any procedure requiring TMDE must use existing DoD field-authorized common and special support equipment. Documentation of fault isolation and troubleshooting procedures shall be IAW C.2.3.3.3.

C.2.3.10.3 Sets, Kits, Outfits and Tools
For tools contained within existing DoD field-authorized common and special support equipment kits, sets, or outfits the Contractor shall identify and document each specific tool and its associated set, kit, or outfit as a part of the maintenance task analysis IAW C.2.3.3.3.

C.2.3.11 Technical Support

C.2.3.11.1 General
The Contractor shall provide technical support during all Government tests. Technical support includes technical advice, operating Government vehicles, user training, technical data collection and reporting, troubleshooting, repairing, deprocessing, storing, and preparing vehicles and their respective components for shipment during transition and training. User training consists of assembly and subassembly troubleshooting, component and system fault isolation, and repair. This training shall be informal in nature and done principally by demonstrating the function. Field Service Representative (FSRs) shall be experienced and qualified to make recommendations, and to orient and instruct key Government personnel with respect to operation, maintenance, and repair of the JLTV FoV and their components. The effort consists of investigation and diagnosis of problems or issues in the field related to vehicle performance, maintenance, and training.

C.2.3.11.2 Training Aids, Devices, Simulators, and Simulations Support
For the life of the contract, Program Executive Office (PEO) for Simulation Training and Instrumentation (STRI) in conjunction with JPO

DRAFT

JLTV will develop Training aid Devices, Simulators, and simulations (TADSS) in support of the JLTV program. The Contractor shall participate in PEO STRI IPT technical interchange meetings (TIM) and in-process reviews (IPR) throughout the development of the JLTV TADSS by PEO STRI. As a member of the IPT, the Contractor shall make recommendations, propose design solutions, and participate in discussions about the trainer designs. The Contractor shall participate in preliminary design reviews, critical design reviews, preliminary and final testing and initial training associated with each trainers. The Contractor shall provide a point of contact for exchanging information about the JLTV FoV design with PEO STRI. The Contractor shall identify JLTV technical data required to design and build virtual, live, part task and hands-on JLTV FoV Trainers for each JLTV FoV. The Contractor shall provide technical guidance on the vehicle operations, vehicle technical characteristics and trouble shooting and maintenance procedures associated with each task in the JLTV Integrated Electronic Technical Manual (IETM). The Contractor shall provide a means for PEO STRI to procure JLTV FOV piece parts, components, software, and assemblies required to manufacture or build the virtual, live, part task and hands-on trainers. (reference A002 CDRL, Minutes)

C.2.3.12 The Army Maintenance Management System
For the life of the contract, the Contractor shall complete DA Form 2408-9, Equipment Control Records for each vehicle IAW DA Pamphlet 750-8, dated August 2005. The Contractor shall prepare the form to report shipment of the item from the acceptance point of the initial accountable Army consignee. The Log Book copy shall be placed in the book binder equipment record folder and secured in the vehicle. Electronic copies shall be delivered to LOGSA (logsa.tedb@conus.army.mil) and JPO JLTV. (CDRL C056, The Army Maintenance Management System (TAMMS)

C.2.3.12.1 Logistics Information Warehouse
For the life of the contract, for any DA Form 2408-9, Equipment Control Record (ECR) changes, the Contractor shall access the Logistics Information Warehouse (LIW) (formerly WEBLOG and WEBLIDB) and update DA 2408-9 data. ECRs are available in the system, as follows: Select "Maintenance Management", then select "TAMMS Equipment DB", and then select "DA 2408-9 (ECR). (reference CDRL C056, The Army Maintenance Management System (TAMMS)

C.2.3.13 Warranty
The Contractor shall perform all work under this subsection C.2.3.13 for the life of the contract.

C.2.3.13.1 Pass -Through Applicable Warranties
For the life of the contract, the Contractor shall pass through all applicable warranties offered from its Subcontractors and vendors. The Contractor shall provide a list of the warranted items and copies of Subcontractor and vendor warranties. (CDRL C057, Pass Through Warranty List)

C.2.3.13.2 Pass - Through Warranty Claims
For the life of the contract, notification of a vendor pass-through warranty claim will be in writing to the Contractor from the Government. During vehicle deprocessing, written or electronic notification of such warranty claim will be provided to the Contractor by the Government. After hand-off to the units, the Contractor will be notified of warranty claims by the Government either in writing, or electronically. Notification initiates the Contractor to coordinate the path forward with the responsible Subcontractor or vendor. The Contractor shall request PCO approval to replace or repair the parts and or assemblies IAW the pass through warranties offered from its Subcontractors and vendors.

C.2.3.13.3 Warranty Coverage Database
For the life of the contract, the Contractor shall maintain warranty information in the Contractors database. This database will provide the coverage dates for the warranty coverage accessible to the Government's COR and other designated Government representatives. The Government representatives shall have read-only capability for this data base and possess the capability to access information for reporting purposes. The Contractor shall update the data base within five (5) working days of completion of a repair. The data base shall, at a minimum, contain the following: Vehicle Serial Number, Vehicle NSN, Model Number, NSN and PN of Replaced Part(s), Nomenclature of Replaced Parts, Cost of Repair Part(s), Unit Complete Address, Repair Completion Date, and denied claims.

C.2.3.14 Production Report
For the life of the ccontract, the Contractor shall provide a Production Report. The Production report shall contain the following for each JLTV production vehicle: Serial #, CLIN, Shipped or Shipped In-Place, MILSTRIP, Transportation Control Number (TCN), MODEL, Build Date, DD 250 Date, Ship Date, DD 250#, Registration Number, IUID Tag Data for each marked component (parent and child), Branch of Service (AR-Army, MC-USMC, and Other), GBL # Ship to City/State, CFE and GFE installed. (CDRL C058, Production Report)

C.2.3.15 Parts Management Program

C.2.3.15.1 Parts Management Program Objectives
For the life of the contract, the Contractor shall establish, update and execute a Parts Management Program (PMP) for the JLTV FoV. The Contractors Part Management Program shall be IAW MIL-STD-3018.

The planning, documented procedures, all other documentation, media, information, data that shall define the Parts Management Program, and the rationale for parts selected shall be made available to the Government for their review (reference CDRL C059, Parts Management Program Plan).

DRAFT

The Parts Management Program shall:
a. Ensure Contractor, Subcontractor and other Suppliers parts meet contractual performance requirements.
b. Document how the Contractor will ensure the proper management of Subcontractors and Suppliers and the communication of parts data and information to include technology insertion or obsolescence issues between the various levels of supply.
c. Reduce the proliferation of parts within the JLTV FoV and across like DoD weapon systems and equipment to enhance JLTV FoV availability and the supply chain agility through screening and standardization procedures.
d. Document the PMP correlation with the JLTV FoV obsolescence and configuration management planning.
e. Identify, track, and mitigate any risk associated with parts availability that may lead to:
1. Lengthy logistics response times
2. Material shortages
3. Lack of alternate material sources

C.2.3.15.2 Parts Management Program Manager
For the life of the contract, the Contractor shall designate a PMP manager who shall be responsible for approving all selected parts and ensuring that the JLTV parts management processes meet the intended PMP objectives.

The designated individual shall be responsible for managing Subcontractor participation concerning contractual requirements as well as all other aspects of contractually approved processes. The Contractor's designated PMP manager shall interact with its acquisition activity counterparts including Government Supportability teams to ensure mutual awareness of all part-type concerns and problems, and any recommended changes to the Contractors processes that could affect program objectives.

The Contractor shall address PMP status and compliance during In-Process Reviews (reference C.1.3.7.2).

C.2.3.15.3 Parts Management Program Plan
For the life of the contract, the Contractor shall document and execute its JLTV Parts Management Program in the Parts Management Program (PMP) Plan.

The JLTV PMP Plan shall:
1. Document the processes and procedures for determining an item of supply meets JLTV Purchase Description (Attachment 0001).
2. Address parts control to eliminate counterfeiting.
3. Communicate any technology insertion efforts that address potential modernization changes that effect a parts product specification that impacts a JLTV Purchase Description (Attachment 0001) such as the need to redress potential obsolescence issues including the need of for a life of type buy due to diminishing manufacturing sources.
4. Address the selection of alternate material sources that can serve as suppliers and list them.
5. Identify risk related to the bill of material (BOM) that will affect JLTV Sustainment goals and objectives.
6. Document the design margins for critical parts that directly affect JLTV availability.
7. Document all parts that require certification including the qualification of parts for an application that will support the sourcing for alternate manufacturers or suppliers.
(CDRL C059, Parts Management Program Plan)

C.2.3.16 Diminishing Manufacturing Sources and Material Shortages

C.2.3.16.1 Diminishing Manufacturing Sources and Material Shortages Management Program
For the life of the contract, the Contractor shall develop and implement a Diminshing Manufacturing Sources and Material Shortages (DMSMS) Management Program. The Contractor shall have a DMSMS Manager with a DAWIA leadership-level competency or a certified industry DMSMS Managerial (Leadership level) equivalent competency as referenced in DMSMS Standard Document-22 (SD-22). The Contractor's DMSMS Manager shall be designated as a key personnel position and if the person is replaced, the Contractor shall replace that person within 15 business days with a similarly or higher qualified person, verifiable by Government logistics leadership through review of their resume and certificates.

C.2.3.16.2 Designation of DMSMS member
For the life of the contract, the Contractor shall designate a DMSMS member (at a minimum a DAWIA technician level or industry certified DMSMS Technician equivalent) to the Government DMSMS Management Team and Obsolescence Management Integrated Product Team (IPT). The DMSMS designated member shall participate in quarterly reviews, emergency DMSMS meetings, and Government Industry Data Exchange Program (GIDEP) IAW GIDEP Operations Manual. In lieu of the DMSMS manager, the designated DMSMS member shall attend other meetings including logistics IPT, PMRs, and SE IPT to discuss DMSMS issues or potential issues.

The Contractor shall input information concerning critical or major nonconformance's as defined in FAR 46.407 and DFARS 246.407 to the GIDEP Information System www.gidep.org. The Contractor shall insert the following statement; "The Contractor shall submit information concerning critical or major nonconformance's as defined in FAR 46.407 and DFARS 246.407 to the GIDEP Information System." in any Subcontract when deemed necessary by the Contractor, when so inserted, the word "contractor" shall be changed to "subcontractor". The contractor shall input any GIDEP data which may be pertinent to items of its manufacturer and verify that the Subcontractor utilizes any such data.

For the IPT meetings, the Contractor shall provide a monthly review of active and existing obsolete part status, report and present

DRAFT

resolution options and make recommendations to the Government for the most cost effective solutions. The Contractor shall attend bi-annual (two meetings per FY) DMT Obsolescence Program Review meetings at a place within CONUS TBD.

C.2.3.16.3 DMSMS Management Plan
The Contractor shall develop and deliver a DMSMS Management Plan which describes its DMSMS Processes, and source data IAW DID DI-SESS-81656 with the objective of implementing a Production Development (PD) phased DMSMS Management Plan to identify and ensure that the loss, impending loss, or obsolescence of manufacturers of software, firmware, items, suppliers of items or raw materials may cause shortages that endanger the JLTV FoV, Contractor furnished kits, support & test equipment, and equipment's development, production, or post-production support capability. Process descriptions should include, the collection of technical data to develop Bill-of-Materials (BOMs), parts monitoring for DMSMS, identification of actual and potential obsolete part issues including Ruggedized, MIL-SPEC, Commercial-Off-The-Shelf (COTS) components, assemblies, sub-assemblies, piece-parts, raw materials, software, and firmware used on or by the components of the JLTV FoVfor the life of the contract. The plan shall use American National Standards Institute (ANSI)/TECHAMERICA STD-0016-2012, SD-22, DoDM 4140.01-V3, and MIL-STD-3018 as guidance where applicable. (CDRL C060, DMSMS Management Plan)

C.2.3.16.4 Reporting of DMSMS and obsolete parts
For the life of the contract, the Contractor shall describe, implement, and report the status of all DMSMS or obsolete parts within three (3) business days of discovery to the Government.
The DMSMS status shall include a complete listing of all actual and forecasted obsolete piece-parts, noting at a minimum, the following:

A. Lowest or Line Replaceable Unit (LRU) Part Number and description.
B. Details of the End-of-Life part issue
C. Original Equipment Manufacturer (OEM) Part number and Description.
D. Vendor Part Number and Description.
E. Next Higher Assembly (NHA) Part Number and Description.
F. Specific configuration part number(s).
G. Vendor Cage Code and Vendor Name.
(CDRL C061, DMSMS Obsolescence Report)

C.2.3.16.5 Health Status Report
For the life of the contract, the Contractor shall provide a Health Status Report IAW CDRL C062, Health Status Report.

C.2.3.16.6 DMSMS quarterly report
For the life of the contract, the Contractor shall provide a DMSMS quarterly report that includes a complete listing of all actual and forecasted obsolete parts, noting both the JLTV FoV and associated vendor parts numbers. The Contractor shall deliver the obsolescence reports quarterly and shall address the results of the on-going review and identification of actual and forecasted issues. In addition, these reports shall address the current and future technologies, End-of-Life (EOL), Life-of-Need Buys (LNBs), possible alternate parts, descriptions of the potential vendors and if required, recommendations for re-design options. The Contractor shall monitor all Commercial assemblies and provide the DMSMS status in the delivered Quarterly Status Reports.

In addition to the delivery of the Quarterly Reports the Contractor shall:
a. Notify the Government for End-of-Life (EOL) part issues within 30 days of receipt of the EOL Part Notification from the supplier of the part. An e-mail to the Government DMSMS Manager and notification via the DMT is sufficient to satisfy this requirement. This notification shall provide as much advance notice as possible for the Government to identify options for the end-of-life part issues.
During the last quarterly delivery for the Period-of-Performance of this contract, the Contractor shall deliver a final up-to-date BOM with all system life-cycle changes including alternate part numbers used, system configuration changes made, different NHA part numbers, assembly, and part descriptions and any other changes that would affect the content and accuracy of the BOM. (CDRL C063, DMSMS Quarterly Status Report)

C.2.3.16.7 DMSMS Annual Progress Report
For the life of the contract, the Contractor shall provide a DMSMS Annual Progress Report to show utilization of the GIDEP and reporting of the benefits gained in participation with the GIDEP through positive or negative impacts, and effects on the:

1. Availability
2. Reliability
3. Usability
4. Operability
5. Maintainability
6. Readiness

In addition to the benefits reported within the Annual Progress Report, the Contractor shall also report on the Prevention of Unplanned Expenditures (PUE) of assets and resources through the utilization of GIDEP. The DMSMS Operations Manual (Chapter 5 and appendix A) and DMSMS Quarterly Report shall be used to create the Annual Report. (CDRL C064, Annual Report)

C.2.3.17 Failure Reporting, Analysis and Corrective Actions System

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2.3.17.1 Failure Reporting, Analysis and Corrective Actions System Objective
For the life of the contract, the post-fielding Failure Reporting, Analysis and Corrective Actions System (FRACAS) process establishes the required methodology, guidelines, and responsibilities for conducting failure analysis, documenting analysis results, and proposing corrective actions in support of the JLTV FoV. The focus is to address selected Product Quality Deficiency Reports (PQDRs) submitted against the JLTV FoV.

C.2.3.17.1.1 FRACAS Program
For the life of the contract, the Contractor shall establish and implement a closed loop FRACAS program to address JLTV PQDRS selected by the Government. PQDR data and failed or deficient hardware will be provided by the Government for analysis. At a minimum, the Contractor shall:

(a.) perform failure analysis to determine the root cause of the failure or deficiency and define the failure mechanism;
(b.) propose corrective actions to eliminate recurrence of the failure mechanism(s) and its effects.

FRACAS will be conducted IAW GEIA-STD-0009 and TA-HDBK-0009 and a report delivered. The FRACAS effort shall be coordinated and integrated with other program efforts such as reliability, quality assurance, maintainability, human factors engineering, system safety, test, configuration management, and integrated logistics support to reduce duplication of effort and to propose integrated, low-risk, cost effective results. (CDRL C065, FRACAS REPORT)

C.2.3.18 Overpacking Operators Manual and Basic Issue Items

C.2.3.18.1 Overpacking Operators Mannual
For the life of the contract, the Contractor shall overpack a hard copy Operators Manual (-10) with each vehicle delivery.

C.2.3.18.2 Overpacking Basic Issue Items
For the life of the contract, the Contractor shall overpack Basic Issue Items (BII) with each vehicle delivery.

C.2.3.19 STORAGE AND MAINTENANCE OF VEHICLES

C.2.3.19.1 CARE AND STORAGE
The care and storage for conditionally accepted LRIP vehicles (not including conditional acceptance of nonconforming vehicles) starts immediately upon conditional acceptance of vehicles and continues until the Government provides shipping instructions. Care and storage of all other vehicles will begin 45 days after Government final acceptance. Storage of the accepted FRP vehicles shall be provided at no charge to the Government for 45 days from DD250. The Contractor shall notify the COR and PCO when 75% of the awarded vehicle days for storing and maintaining vehicles have been expended. The Contractor shall use a checklist for each vehicle to document the inspection(s), to include how the checks were accomplished; exercising of the vehicle to include the beginning and ending mileage and maintenance performed, and include a signature of the person performing the inspection. The completed checklists will be saved in an electronic format and provided to the Government monthly. (CDRL C095, Vehicle Checklist)

C.2.3.19.2 CARE AND STORAGE PLAN
To assure that vehicles remain in an acceptable condition equal to the Final Inspection Record (FIR), the contractor shall develop and deliver a storage, exercise, maintenance plan and checklist to the Government for conditionally accepted vehicles or any vehicle that is on the lot for longer than 45 days due to lack of shipping instructions. The care and storage plan shall include instructions for exercising, inspecting, and replacement of components during storage and prior to shipment. At a minimum, the care and storage plan shall include a flowchart of the process, vehicle inspection schedule, vehicle specific exercise schedule, maintenance schedule, and description of inspections. (CDRL C094, Care and Storage Plan)

C.2.3.19.3 STORAGE OF VEHICLES
If shipping instructions are not provided prior to final acceptance, the Contractor shall store the complete system on behalf of the Government. If shipping instructions are not provided by the 45th day, storage charges will begin accrual on the 46th day and actual care and storage will commence (ref C.2.3.19.1) until shipping instructions are provided.

C.2.4 VERIFICATION AND VALIDATION ACTIVITIES

C.2.4.1 System-Level Verification Testing
The Contractor shall perform System-Level Verification Testing consisting of Break-in Testing, as detailed below. The purpose of this testing is to ensure preparedness for Government testing by the early identification and correction of workmanship and quality issues. The Contractor shall provide fourteen (14) day advance notice and an invitation to the JPO JLTV or JPO Representative to witness any Contractor System-Level testing. The Contractor shall confirm the event schedule three (3) business days prior to event. The Contractor shall successfully complete the System-Level Verification Testing prior to vehicle acceptance.

C.2.4.1.1 Break-in Testing
The Contractor shall develop a break-in test plan and conduct Break-in Testing on every deliverable test vehicle and trailer, with exception of RAM test assets, to address all wear-in activities and procedures required before normal vehicle operation. Break-in Testing shall include a minimum of 500 miles per vehicle, over primary road surfaces as defined in the JLTV OMS/MP (Attachment 0055,

DRAFT

OMSMP). Break-in Testing shall confirm basic vehicle mobility-related functionality, including starting, stopping, turning, as well as providing confirmation of safe vehicle operation. Break-in Testing shall ensure that no additional wear activities are required prior to Government acceptance. Break-in activities shall cover all component, subsystem, and system level break-in such as: low speed operation, limited load operations, torque adjustments, brake burnishment, suspension calibration, Electronic Stability Control (ESC) calibration and any other checks or actions to ensure full vehicle serviceability at vehicle delivery.

C.2.4.1.2 System-Level Verification Test Plan
The Contractor shall develop a test plan that addresses all system-level verification testing described in Section C.2.4.1. (CDRL D005, System-Level Verification Test Plan)

C.2.4.1.3 System-Level Verification Test Findings
The Contractor shall conduct root cause analysis and define and implement corrective actions through the appropriate configuration management processes for all non-conformances to the JLTV Purchases Description (Attachment 0001) identified during System-Level Verification Testing. During System-Level Verification Testing, the Contractor shall conduct weekly meetings with the Government to review any non conformances. (CDRL D006, System-Level Verification Test Report)

C.2.4.2 Government Testing
Government Testing, referenced in the subparagraphs below, will be conducted to validate Contractor compliance IAW Section 4 of the JLTV Purchase Description (Attachment 0001). Non-compliant test performance is grounds for non acceptance of production deliveries.

The Vehicle Equipment and SIL Allocation Matrix (Attachment 0056, VEASAM) contains the vehicle configurations and planned test sites, schedule, estimated test duration, and types of tests required under this contract.

The Contractor shall be responsible for JLTV FoV test readiness throughout Government Testing and Logistics Demonstrations. The Contractor shall ensure JLTV FoVs are in the approved configuration for the required test(s). The Contractor shall ensure parts availability to include all scheduled maintenance supplies, adequate quantity of operator manuals, adequacy of tester and Soldier/Marine training, supply of Petroleum, Oil, and Lubricants (POL) not available in the Government supply system, and any other test support items. These items shall be made available to ensure maximum JLTV FoVs operational availability throughout Government Testing. Any shortages shall be provided by the Contractor to the test site within one (1) business day.

The Contractor shall replace tires prior to initiating steering and handling tests and replace brake pads and rotors prior to initiating brake performance tests for each vehicle in these tests (estimated 4 vehicles for each test). The Contractor shall also have one extra set of four rims available during testing to facilitate tire change-out. This is in addition to the replacement parts needed to support the remaining tests for all test vehicles.

C.2.4.2.1 Production Qualification Testing
The Government will perform production qualification testing (PQT), a system-level developmental test required per AR 73-1 prior to full-rate production decision review (FRP-DR) to ensure JLTV FoV design integrity over the specified operational and environmental range. PQT will support the FRP decision and provide information to help determine system readiness for MOT&E.

The PQT results will be utilized to establish a production baseline. In addition to the requirements set forth in Attachment 0001, all other threshold requirements set forth in Attachment 0087 (Reinstatable Production Baseline Requirements) will also be assessed during PQT. For those requirements set forth in Attachment 0087, the level of performance that is demonstrated at PQT will become part of the production baseline and added into Attachment 0001 via a contract modification at no additional cost to the government.
C.2.4.2.1.1 Performance Testing
The Government will execute Performance Testing at various test centers as described in the VEASAM (Attachment 0056, VEASAM). Performance Testing will require LRIP vehicles of each JLTV FoV mission package configuration. Performance Testing will include mobility, transportability, Dimensional characteristics, and occupant protection. Depending on the extent of the commonality between the two-seat and four-seat variants, Performance Testing may be tailored by the Government to reduce test duration.

C.2.4.2.1.2 Reliability Qualification Testing

The Government will execute Reliability Qualification Testing (RQT) at the Government test sites indicated in the VEASAM (Attachment 0056, VEASAM) for a cumulative total of 160,000 miles (16,000 miles per vehicle x 10 vehicles). RQT will be accomplished in two three-month segments (for a combined total of six months), and one additional two-month segment.

During the first three months of RQT, Vehicles shall accumulate a cumulative 60,000 miles and shall demonstrate RAM specifications in the Purchase Description (Attachment 0001). At the end of the first segment of RQT, the Government will hold a decision review to determine if PD requirements PDFOV-2908, PDFOV- 8760, PDFOV-2917, PDFOV-3946, PDFOV-2971, and PDFOV-2973, were met. If met, then the Government will continue the next 3 month segment of RQT and continue testing. A second decision review will be held by the Government after 6 months of testing (cumulative 120,000 miles) to determine if the aforementioned purchase description requirements are met.

After the Second decision review, if the aforementioned purchased description requirements are met, the Government will continue into the third testing segment, accumulating up to a maximum of 160,000 cumulative test miles. During the third testing segment, the Government will conduct monthly scheduled decision reviews to determine if the aforementioned purchase description requirements are met.

DRAFT

The contractor shall meet the requirements for each segment of RQT. If the contractor fails to meet any requirements at any decision review, the Government may disapprove the FAT article and may require all costs related to these tests to be borne by the Contractor, including any and all costs for additional tests following a disapproval IAW FAR clause 52.209-4.

If the contractor traded any of the aforementioned purchase description requirements then that traded PDFOV will not be included in the Government decision review.

Vehicles and trailers planned for RAM testing, and their planned test configurations, are indicated in the VEASAM (Attachment 0056, VEASAM). Course terrain profiles are in the JLTV OMS/MP (Attachment 0055, OMSMP). Duty cycles and payload configurations, to include trailers, are included in RAM Duty Cycles (Attachment 0057, RAM Duty Cycles).

C.2.4.2.1.2.1 Shakedown Testing
The Government will execute shakedown testing (SDT) at the Government test sites and on the vehicles and trailers designated for RAM testing IAW the VEASAM (Attachment 0056, VEASAM). SDT is intended to expose failure modes and determine gross reliability issues prior to Government RAM testing. SDT shall consist of 1500 miles on each of these vehicles IAW with the JLTV OMS/MP (Attachment 0055, OMSMP). SDT shall be conducted with vehicles configured IAW the VEASAM (Attachment 0056, VEASAM), and performed IAW RAM Duty Cycles (Attachment 0057, RAM Duty Cycles).

C.2.4.2.1.3 Live Fire Test and Evaluation

C.2.4.2.1.3.1 Live Fire Test Evaluation Description
The Government will execute Live Fire Test and Evaluation (LFT&E) on the JLTV FoV to verify Force Protection requirements are met (reference Attachment 0001, JLTV Purchase Description). LFT&E includes all ballistic, Full-up System Level (FUSL), AFES, and all armor options (reference C.2.4.2.1.3.3), if exercised. The Government may attempt to leverage any previous Government test data to the maximum extent possible but only as is applicable based on thorough design reviews and reserves the right to retest the production configuration.

The Contractor shall provide detailed descriptions of how their Production and Deployment phase vehicle designs are common to or different from previous Government tested configurations. Because occupant force protection and survivability is a system-level attribute, the Contractor shall provide design changes at the global vehicle-level as well as the component-level. (CDRL D007, Vehicle Design Changes)

C.2.4.2.1.3.2 Automatic Fire Extinguishing System Testing
Automatic Fire Extinguishing System Testing (AFES) testing will generate the data required to evaluate the effectiveness of the JLTV FoV AFES to protect crews and internal or stowed equipment from fires expected to be initiated during ballistic events. Testing shall focus on the capability of the AFES to extinguish fires and prevent crew injuries, and shall explore the vehicle design features that either contribute to or minimize the likelihood or severity of ballistic-initiated or peacetime fires.

The Contractor shall provide details on the AFES system, outlining design commonalities and differences across vehicle variants (reference CDRL D007, Vehicle Design Changes). For example, if the GP and HGC have the same bottle volume, but will have unique nozzle orientation or configuration, that should be noted.

C.2.4.2.1.3.3 Armor Test Assets

C.2.4.2.1.3.3.1 Armor Coupon Sets
For any armor recipes that differ from what was previously tested and approved by the Government, the Contractor shall deliver to the Government an armor coupon set, for each transparent, opaque, and Explosively Formed Penetrator (EFP) armor, to validate continued conformance to the protection levels defined in the JLTV Purchase Description (Attachment 0001).

The Contractor shall deliver to the Government an armor coupon set, for each transparent, opaque, and Explosively Formed Penetrator (EFP) armor recipe required to satisfy the protection levels defined in the JLTV Purchase Description (Attachment 1), which was not previously characterized in testing during the EMD phase. Each recipe constitutes a unique set, such as different frontal, flank, rear, underbody, and roof armor recipes, according to the Contractor's design. The Contractor shall include a diagram of the vehicle with the coupon delivery that identifies the correlating location of each armor recipe. The Contractor shall label each coupon with the vehicle configuration, location of solution on the vehicle to include frontal, flank or underbody and the attack or strike side. (CDRL B039 Vulnerability Analysis Input Data)

C.2.4.2.1.3.3.2 Transparent Armor
Each TA coupon shall be 400mm by 400mm in size, with a +/- 5mm tolerance on each linear dimension. One armor coupon set of each TA unique solution shall consist of 40 coupons if B-kit level protection, 36 coupons if A-structure level protection.

C.2.4.2.1.3.3.3 Opaque Armor

DRAFT

The Contractor shall deliver the Opaque Armor (OA) coupons in the sizes specified below.

The Contractor shall deliver B-kit solutions bolted to the appropriate A structure coupons near each corner. Each bolt center shall be located at least 1-1/4" from each edge (at corner) in order to allow testers adequate space to affix clamps to secure the target coupon to the test fixture.

The Contractor shall provide torque specification for these bolts with the coupon delivery, in order to allow the testers to disassemble and reassemble the coupons.

C.2.4.2.1.3.3.4 Opaque Armor - Metallic Armor Solutions
For opaque armor solutions which contain only metallic layers, the Contractor shall deliver coupons which are 610mm by 610mm in size, with a plus or minus 5mm tolerance on each linear dimension.

For armor solutions which contain only metallic layers and are designed to provide A-structure level protection, one coupon set of each OA unique solution shall consist of 15 coupons.

For armor solutions that contain only metallic layers, which are designed to provide B-kit level protection, one armor coupon set of each OA unique solution shall consist of 20 coupons.

C.2.4.2.1.3.3.5 Opaque Armor - Ceramic and Composite Armor Solutions
The Contractor shall deliver coupons for recipes containing ceramic and composite materials in the following sizes, with tolerances of plus or minus 5mm for each linear dimension:
a) For armor solutions which contain ceramics but no composite layers, the coupons shall be 610mm by 610mm in size.
b) For armor solutions that have a composite backing, the composite backing shall be 610mm by 610mm in size, and centered on a 762mm by 762mm coupon.
c) For armor where multiple layers of composites are used, all composite layers which follow the last metallic element in the coupon shall be 610mm by 610mm and all elements prior to this shall be 762mm by 762mm in size.

For armor solutions which contain ceramic or composite layers, which are designed to provide A-structure level protection, one coupon set of each OA unique solution shall consist of 19 coupons.

For armor solutions which contain ceramic or composite layers, which are designed to provide B-kit level protection, one armor coupon set of each OA unique solution shall consist of 28 coupons.

C.2.4.2.1.3.3.6 Explosively Formed Penetrator Coupons
If the Contractor proposes a non-Government provided EFP protection kit solution, the Contractor shall deliver one set of each EFP protection kit solution. One set shall consist of 10 coupons.

The EFP protection kit solutions shall be mounted on a large enough sample of the B-kit door in order to facilitate coupon testing. Each EFP protection kit coupon shall be no smaller than 305 mm by 305 mm in size with a plus or minus 5mm tolerance on each linear dimension. All required mounting hardware shall be provided by the Contractor.

EFP coupons do not need to be assembled and bolted together, but they shall be delivered with the armor layers in the proper order. If the coupons are bolted, the Government testers reserve the right to remove the bolts prior to testing to prevent twisted or bent bolts from making it difficult to disassemble targets after shots to assess damage.

C.2.4.2.1.3.3.7 Ballistic Cabs
Each ballistic cab shall be configured without the wheels, suspension, drivetrain, or any interior components unless they are designed to provide ballistic protection to include spall protection partitions or curtains.

The Contractor shall also deliver a test stand with each ballistic cab, which attaches to the cab and supports it so that the bottom is at the Contractor designed operational ride height but does not block access to the cab sides or underbody. The four legs of each test stand shall be located where the vehicle tires would normally be.

The specific configurations for three types of ballistic cabs are described as follows:

a. Two-Door A-Structure Ballistic Cab
This ballistic cab shall be two-door configuration and will have the A-structure armor level of protection.

b. Two-Door B-Kitted Ballistic Cab
This ballistic cab shall be two-door configuration and will have the B-kit armor level of protection.

c. Four-Door B-Kitted Ballistic Cab
This ballistic cab shall be four-door configuration and will have the B-kit armor level of protection. This ballistic cab shall be provided with one set of right side B-kitted replacement doors. This cab does not require a gunner protection kit (GPK).

DRAFT

C.2.4.2.1.3.4 Field Service Representative for Live Fire Test and Evaluation
The Contractor shall provide dedicated Field Service Representative (FSR) for the purpose of maintaining, repairing test assets, and reconfiguring test assets with GFE and CFE for ballistic testing of armor structures, FUSL, and AFES testing throughout the Live Fire Test and Evaluation program. FSR support is not required for coupon testing. FSRs shall be onsite at the test site when vehicles arrive to address discrepancies as well as reconfigure the vehicle GFE and CFE for weight evaluations. FSRs shall be knowledgeable of vehicle ballistic and blast protection systems and be available throughout the test execution phase to troubleshoot vehicle issues, resolve test asset configuration issues, and provide vehicle repair to include repair of test assets after the first ballistic shot (2 shots per asset), conduct repairs necessary to allow vehicles to continue testing, and serve as a conduit for timely information exchange between the Test Center and the Contractor organization.

Each Full Up System Level (FUSL) testing vehicle is scheduled to undergo two ballistic or blast events, and the Contractor shall provide test asset repair support between these events. Between events, the Contractor shall repair these vehicles to a condition that allows for realistic assessment of accelerative load inputs to crew during blast events. For both FUSL tests, the AFES system shall be maintained to a fully operational condition. Vehicle armor shall be replaced or repaired to such an extent that no damage remains in areas on and around ballistic threat area for any upcoming events.

C.2.4.2.1.4 Roof Crush Test Assets
As indicated in the VEASAM (Attachment 0056, VEASAM), the Contractor shall provide two (2) cabs for roof crush testing consisting of 1 GP four-seater cab and 1 UTL two-seater cab. The following hardware shall be required as part of these test assets:

a. Crew cabs and any supporting structural features or components
b. Mounting hardware for the cab to allow for cab to be fastened to test fixture
c. Seats for GP cab, drivers seat and both rear crew seats are required; For UTL cab, drivers seat only
d. Interior spall liners and design features mounted directly to roof including foam or other materials.

C.2.4.2.1.5 Command, Control, Communication, Computers, Intelligence, Surveillance, Reconnaissance
The Contractor shall be responsible for preparing the vehicle and Command, Control, Communication, Computers, Intelligence Surveillance, Reconnaissance (C4ISR) systems for Government testing. The Government will assess the Contractor designed solution to validate its readiness to fielding. These evaluations will periodically occur based upon changes to software, hardware, and Cyber threats. The Contractor shall be responsible to implement corrective actions to resolve test and performance deficiencies identified during Government testing.

C.2.4.2.1.5.1 TEMPEST
The Contractor shall provide onsite C4ISR SMEs and vehicle FSRs; C4ISR and vehicle documentation; vehicle configuration and reconfiguration for software and hardware during TEMPEST testing. TEMPEST testing will occur initially as a baseline configuration and then periodically as C4ISR hardware, software, and wiring systems are updated. The Contractor shall verify the vehicle and the integrated systems have been functionally validated prior to entrance into TEMPEST testing.

C.2.4.2.1.5.2 Electromagnectic Compatability, Electromagnectic Interference, and Electronmagnectic Environmental Effects
The Contractor shall provide onsite C4ISR SMEs and vehicle FSRs; C4ISR and vehicle documentation; vehicle configuration and reconfiguration for software and hardware during Electromagnectic Compatability (EMC)) and Electromagnetic Interference (EMI) testing and review. EMC and EMI testing will occur initially under the baseline configurations. Subsequent changes directed by the Government and testing will occur under STS portion of this contract periodically as C4ISR hardware, software, and wiring systems are updated. The Contractor shall verify the vehicle and the integrated systems have been functionally validated prior to entrance into EMC and EMI testing including configuring all communications hardware and software, and verifying communication with an external source. All changes proposed by the Contractor shall be at the Contractors cost. All changes generated by the Government through STS will be funded by the Government. Government approval of any changes does not constitute relief from vehicle performance requirements.

C.2.4.2.1.5.3 Interoperability
The Contractor shall provide onsite C4ISR SMEs and vehicle FSRs; C4ISR and vehicle documentation; vehicle configuration and reconfiguration for software and hardware during systems interoperability testing including those required for Net Ready Certification. Interoperability testing will occur initially as baseline configurations and then periodically as C4ISR hardware and software systems are updated. The Contractor shall verify the vehicle and the integrated systems have been functionally validated prior to entrance into interoperability testing and documented in CDRL Systems Interoperability Report. (CDRL B007, Systems Interoperability Report)

C.2.4.2.2 Multi-Service Operational Test and Evaluation
The Government will conduct Multi-Service Operational Test and Evaluation (MOT&E) in which soldiers and Marines will evaluate suitability and effectiveness of the JLTV FoV in operational environment executing missions IAW the JLTV OMSMP (Attachment 0055, JLTV OMSMP). The record test will consist of multi-scenarios with transition to different operations to provide the opportunity for unified land operations. This test event will be conducted over four iterations of 72 hours of simulated combat operations. The MOT&E event is currently planned for 44,000 miles (approximately 1,200 miles per vehicles).

The Contractor shall provide FSRs who shall serve as technical SMEs and provide maintenance above the operator level. All operator level maintenance will be performed by Soldiers and Marines, as described in the Operator Manuals.

DRAFT

C.2.4.3 Refurbishment of Test Assets
The Contractor shall perform the following refurbishment activities:

C.2.4.3.1 The Contractor shall refurbish all test assets that do not undergo destructive end of life testing (FUSL, AFES, roof crush) as indicated in VEASAM (Attachment 56). The assets shall be refurbished to condition code A of AR 7250, Table C-38.

C.2.4.3.2 The AFES test assets (as identified in VEASAM, attachment 56) will be test assets from the EMD phase. The contractor shall refurbish these test assets to ensure each vehicle has production representative and operational engine, AFES and HVAC system. In addition, the vehicles shall have correct and undamaged underbody armor, doors, seats, restraints, wheels, suspensions, and other components needed to support underbody blast shot. Note if AFES design in CCWC is identical to GP, then only GP will be tested for the four door variant and CCWC AFES vehicle will not be required.

The Contractor shall provide all personnel, equipment, tools, materials, repair parts, transportation, supervision and other items and services to inspect and rebuild the test vehicles to the current mission package configuration and Bill of Material (BOM) (reference CDRL A014, Current and Prior Configuration Indentured Bill of Materials).

The vehicles shall be rebuilt to meet current JLTV Purchase Description (Attachment 0001) requirements. Assemblies, components and Line Replaceable Units (LRU's) shall follow applicable rebuild requirements within Condition Code A, National Maintenance Work Requirements (NMWR) and Depot Maintenance Work Requirements (DMWR), if they exist.

After refurbishment, the Contractor shall thoroughly inspect and test the vehicles and submit a Final Inspection Report (FIR) (reference E008 CDRL, FIR).

C.2.4.4 Support Facilities at Government Test Sites
The Government will provide Contractor office space at any Government test site where testing is occurring in duration of one month or more, as outlined in Attachment 0056, VEASAM. The Government will provide these office facilities 14 days prior to vehicle delivery through the end of testing at each of these test locations.

Contractor office space will be furnished with a desk and phone with the exception of Aberdeen Proving Ground (APG) and Yuma Proving Ground (YPG) where two desks, two phone lines and a storage area for CONEX boxes will be provided. If space for additional CONEX containers is required the Contractor shall coordinate directly with Test Centers.

C.2.4.5 Subject Matter Experts
The Contractor shall have Subject Matter Experts (SMEs) available to travel to any of the test sites to perform troubleshooting or failure analysis of critical or major incidents (as defined by the Test Incident Report (TIR)) for any of the vehicles under Government testing. The Contractor SMEs shall arrive onsite at the Government test site within two business days of Government notification.

C.2.4.6 Field Service Representative

The Contractor shall provide and make available during the entire Government Test Schedule dedicated Field Service Representative (FSRs) at test sites concurrently where testing is being performed.

Government Performance Testing is planned for one shift of 10 hours per day, for up to six days per week. Government RAM Testing is planned for two shifts of 10 hours each per day, for up to six days per week. The Contractor shall provide sufficient FSRs to support this schedule at YPG, APG, EPG, RTC, ERDC and Cold Regions Test Center (CRTC) and Tropic Regions Test Center (TRTC) for the purpose of maintaining, repairing test assets, and reconfiguring test assets with GFE and CFE throughout the Government test period whenever Government testing is being performed. Refer to the VEASAM (Attachment 0056, VEASAM) for test duration, location and types. The Contractor shall also provide dedicated FSR support for the ballistic testing of armor structures outlined in C.2.4.2.1.3. FSRs shall be onsite at test site when vehicles arrive to address discrepancies as well as reconfigure the vehicle GFE and CFE for weight evaluations. For test sites working multiple shifts, dedicated FSR support shall be provided for each shift. At the completion of testing, the FSRs shall be responsible for removal of GFE from the vehicles and coordinating storage with the test sites.

Maintenance shall be performed within the test site operating hours as defined below. However, when category I or II failure occurs per MIL STD882D, the Contractor may request from the Government additional test site facilities and personnel (data collectors and drivers at a minimum) to support additional hours of maintenance outside the base work day in order to facilitate more rapid repairs. All requests shall be made as soon as practical to the Government, but due to time and resource constraints, may not always be able to be granted by the Government.

The FSR(s) shall be knowledgeable in the fabrication, assembly, and operation of the vehicle in order to minimize down time. FSR(s) shall have sufficient knowledge for the following:

- Vehicle Displays
- Computers
- C4ISR

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- Electrical Systems
- Mechanical Systems
- Load Plan
- Recovery
- Maintenance

C.2.4.7 System Support Management Strategy
The Contractor shall develop and conduct a system support management strategy. The Contractor's strategy shall minimize test and Logistics Demonstrations down time. The strategy shall include a plan for providing parts to resolve issues and failures with test assets and ensuring assets can maintain the test schedule at each test location.

The strategy shall identify special test equipment, tools, special lubricants required for testing and describe current calibration of required support equipment. All spare or replacement parts shall be marked or tagged with the part number and NSN. This information shall be available to the Government and discussed at IPT meetings as well as major reviews IAW the IMP (reference Attachment 0002, IMP, and CDRL A001, Agenda and Read-Ahead Package).

C.2.4.7.1 System Support Package (SSP)
The Contractor shall deliver and manage System Support Package (SSP) to to the Government no later than 45 days prior to Pre TRR. The SSP shall be sufficient in quantity and anticipated components to maintain test or demonstration schedules. The Contractor shall provide a report on all parts consumed during test events IAW CDRL A023, Service and Consumption Report. The Contractor shall be responsible for performing all maintenance and controlling the on-site SSP during all testing and training events. Should any testing or training event be interrupted because a particular support item is unavailable, to the extent the part is available within the SSP, the Contractor shall provide that item within 24 hours of being notified. In the event the SSP is deficient, the Contractor shall remedy the deficiency within 24 hours for MOT&E SSPs and 48 hours for other test SSPs. The Contractor shall ensure adequate support items and quantities are available during test events.

C.2.4.7.2 Spare Parts Storage
The Government will provide storage area for a CONEX box to be used for spare parts storage. If additional space is needed, the Contractor shall request the test sites for additional space 120 days prior to start of testing.

C.2.4.7.3 Parts Disposal
The Contractor shall identify and store failed, used, worn, and obsolete parts. The Contractor shall mark, tag, and control each failed part with the part number and NSN, and those parts that respective and include Test Incident Report (TIR) number if available. The Contractor shall ensure that all identification markings and tagging placed on a parts and test exhibit are legible. The Contractor shall handle each part in a manner that does not damage the part and test exhibit. The Contractor shall be fully responsible for the storage of each of the parts (no matter where the storage facility is located) and the item(s) shall remain stored pending Government disposition.

C.2.4.8 Test Support Materials

C.2.4.8.1 Wiring Harnesses for Power Generation Testing
The Contractor shall provide wiring harnesses for all vehicle configurations that allow the Government to connect external load banks to the 28VDC On-board Vehicle Power (OBVP) and Export Power Kit (AC).

The test harnesses and inter-connects shall enable the transfer up to the maximum power load (from the OBVP and the Exportable Electric Power Kit) to external load banks. The load bank cable connections shall be terminated with 3/8 diameter ring terminals and permanently marked in human readable text. They shall include strain relief and shielding to withstand off-road vehicle dynamics. The vehicle shall contain dedicated connection points that are external to the vehicle cabin and accessible when any shelter is installed on the UTL or when any kit or GFE is installed on either four (4) or two (2) seat vehicles. The load bank cable connections shall be terminated with 3/8 diameter ring terminals and permanently marked in human readable text.

The contractor shall provide a detailed description of the test harnesses used for connecting the load banks to the 28VDC On-board Vehicle Power (OBVP) and the Export Power Kit. The design package shall include the item number of both harnesses for each vehicle type (unless using a common design); the electrical schematics; the part number and manufacturer for each connector and termination including applicable mating connectors; the wire gauge, manufacturer, and part number for each cable; the amperage rating at maximum load for each cable and the associated maximum temperature rating; the pictorial location of the test harness attachment points on the vehicle; a narrative of the method to energize the test harnesses; the installation procedures for test harnesses; and a description of electrical safety features. (B005, Routing Diagrams-Cabling, Wiring Harnesses and Plumbing)

2.4.8.1.1 Wiring Harnesses for Power Generation Testing - 28 VDC OBVP
The Contractor shall provide wiring harnesses for all vehicle configurations that allow the Government to connect external load banks to the 28VDC On-board Vehicle Power (OBVP) system. The Contractor shall deliver the following DC power generation test harness:

*1 harness for each RQT (Durability) vehicle
*1 harness for each Power Generation test vehicle

DRAFT

*5 harnesses for other performance test vehicles

Each test harness shall consist of two power cables and two ground cables between 2/0 and 4/0 American Wire Gauge (AWG). Each OBVP cable shall extend a minimum of 5 from any point of the external perimeter of the JLTV FoV, and not be limited to just the cab.

C.2.4.8.1.2 Wiring Harnesses for Power Generation Testing - AC Export Power Kit
The Contractor shall provide wiring harnesses for all vehicle configurations that allow the Government to connect external load banks to the AC Export Power Kit. The Contractor shall deliver the following AC power generation test harness:

* 1 harness for each AC Export Power Kit
* 5 harnesses for other performance test vehicles

The test harness shall consist of cables that include hot, neutral, and ground that are each are a minimum of 1/0 AWG. The test harness shall contain matting connector(s) that will allow the test harness to be connected directly to the Export Power Kit. Each AC Export Power cable shall extended a minimum of 10 from the power connector on the Export Power Kit.

C.2.4.9 Lithium Batteries
The Contractor shall coordinate with Naval Sea Systems Command (NAVSEA) to obtain safety approval of each lithium battery system (including lithium ion batteries) used in the JLTV FoV, including those in CFE. The lithium battery system(s) shall be safety approved by NAVSEA IAW NAVSEA TM S9310-AQ-SAF-010 and SG270-BV-SAF-010 (where applicable). All Class I changes to safety approved lithium battery systems must also be safety approved by NAVSEA. Coordination with NAVSEA shall include SME technical support and delivering test assets to NAVSEA in configurations to be provided by NAVSEA for the safety approval testing.

The Contractor shall provide documentation of safety approval for each lithium battery type used on the JLTV FoV. (CDRL B014, Lithium Battery Safety Data Package)

C.2.5 TEST DEFICIENCIES AND FAILURES
This section outlines the process and procedures to address test deficiencies and failures identified during Government testing.

C.2.5.1 VISION Digital Library System (VDLS) Utilization
The Contractor shall access VDLS (https://vdls.atc.army.mil) for all Test Incident Reports (TIRs) released during Government-required testing. The Contractor shall access Secret VDLS for the handling of classified TIRs. Receipt of a TIR is defined as the TIR Release Date.

C.2.5.2 Failure Analysis and Corrective Actions
The Contractor shall implement a closed-loop failure reporting system (Failure Reporting, Analysis, and Corrective Action System (FRACAS)) to track test deficiencies identified during Government testing. The Contractor shall adhere to Configuration Management, Section C.2.1.1.5, for any changes to vehicle configuration as a result of any corrective actions.

The Contractor shall provide Failure Analysis and Corrective Action reports (FACARs) in response to all Critical and Major TIRs. The Contractor shall provide FACARs to Minor and Informational TIRs at the request of the Government. FACARs are not required for TIRs that are generated as a result of the following: crew, personnel, or Government Furnished Equipment (GFE - hardware and software) not attributed to the vehicle. The Contractor shall analyze and classify each FACAR with one of the failure mode identification codes (A, BC, BD) defined in JLTV FDSC (Attachment 0054 JLTV FDSC). The Contractor shall conduct root cause analysis and corrective action for all FACARs classified as BC and BD. The Contractor shall utilize root cause analysis technical tools such as finite element analysis, that are appropriate to the issue.

The Contractor shall analyze and assign a Fix Effectiveness Factor (FEF) to each BC and BD classified FACAR to assess the redesign impact. The FEF analysis shall include a comparison of the allocated reliability value to the predicted reliability value and to the demonstrated reliability value. The FACAR shall address root cause determination, corrective action development and implementation, process control improvements, and test results. The FACAR shall also include schedule of repair, time to repair, and availability of parts.

For all Critical and Major TIRs, FACARs shall include subsystem testing as substantiating evidence. For all corrective actions that include any software modification(s), regression testing shall be used to ensure that no functional impacts have occurred beyond those that were intended to be addressed by the software modification. The results of the regression testing shall be included in the FACAR. Similarly, during the course of conducting root cause analysis on test deficiencies, the investigation shall explore the possibility of the incident having occurred as an unwanted result of a previously implemented software modification. For corrective actions that involve non-software modifications, the concepts of regression testing shall also be applied. Testing shall be conducted to verify that the corrective action did not have any functional impact beyond those intended. All FACARs shall include a functional block diagram. (CDRL D008, FACAR)

C.2.5.3 TIR Responses

The Contractor shall respond to TIRs that require a FACAR (reference CDRL D008 FACAR) within the following time frames defined below.

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Critical TIRs:
The Contractor shall provide an update via telephone to a designated Government person as identified by the test IPT within 24 hours of Government notification of a Critical TIR. The Initial FACAR shall be submitted within three calendar days of TIR release date or TIR revision date if revision impacts TIR incident classification. Final FACAR submitted within seven calendar days of TIR Release Date. A one time extension of seven days may be requested in writing to the CART Chairperson. Requests for extensions beyond seven days require a written request to the PCO.

Major TIRs:
For Major TIRs, the Contractor shall submit the initial FACAR to the Government within seven calendar days of TIR release date or TIR revision date if revision impacts TIR incident classification. The Contractor shall submit the final FACAR within 14 calendar days of TIR release date, unless an extension is requested by the Contractor in writing to the CART Chair, and approved by the CART Chair. Extension to Final FACARs does not constitute changes to contractual requirements for test.

Minor/Informational TIRs:
Depending on the severity and frequency of the incidences, the Government may request the Contractor to submit a FACAR within 24 calendar days of date of request.

C.2.6 TECHNICAL DATA PACKAGE PURCHASE OPTION
IAW section H, the Government may exercise the option to purchase additional technical data rights sufficient to support competition of the Technical Data Package (TDP) for the JLTV FoV. The requirements found within this section apply only when the Government exercises the TDP option. If the Government does not exercise the TDP option the requirements of this section do not apply.

C.2.6.1 Government Data Rights
All data rights shall be IAW the provisions of DFARS 252.227-7013, 252.227-7014, and 252.227-7015 unless otherwise specified elsewhere in this contract. In accordance with DFARS 252.227-7037(c), the Contractor shall provide documentation sufficient to justify that the requirements of DFARS 252.227-7013 and ASME Y14.24 Appendix A are met prior to requesting for approval from the Government to release a Vendor Item Control or Source Controlled drawing (reference C.2.6.6). Vendor Item Control and Source Control drawings shall be delivered to the Government with Unlimited rights to the drawing and associated 3D solid model.

C.2.6.1.1 Government Data Rights for the Delivery of the TDP Purchase Option
If the TDP Option is exercised, then the Contractor shall deliver a TDP with markings conforming to its proposed option rights in Attachment 0072.

C.2.6.2 Technical Data Package
Unless otherwise specified herein, the TDP shall document the technical data for the entire JLTV FoV and conform to the requirements of the latest revision of MIL-STD-31000. Refer to Attachment 0023 TDP1 for MIL-STD-31000 Figures 2 and 3, TDP Option Selection Worksheet definitions. The Contractor shall ensure that the drawings and 3D models are in compliance with the ordering data selections as defined in Attachment 0023.

C.2.6.2.1 Utilization of the TDP
The Contractor shall use the TDP to be delivered to the Government for all activities related to the manufacture and assembly of the JLTV FoV. The Contractor shall not maintain or utilize a separate TDP for the purposes of production unless specific approval has been given by JPO JLTV through the PCO. All changes to the vehicle design shall be incorporated into the TDP to be delivered to the Government by the Contractor.

C.2.6.2.2 Technical Data Package, 3D Solid Models, and 2D Drawings
The JLTV FoV TDP shall be developed utilizing CREO Parametric 3D Solid Models and drawing files. The Contractor shall provide and deliver updates and revisions to existing solid model and CAD files and shall release new solid model and CAD files in CREO Parametric. Government concurrence must be obtained prior to usage of any other CAD format. The Contractor shall perform all work under this contract using the Government Windchill PDMLink, beginning with the date the Government exercises the TDP Option and shall provide models and CAD files which successfully pass the quality checks and Windchill PDMLink release process defined in these modeling standards.

C.2.6.2.2.1 Solid Models
The Contractor shall deliver 3D Solid Models in CREO Parametric, Windchill PDMLink, of all components developed or modified under this contract IAW Attachment 0024, TDP2. The models shall be marked IAW DFARS 252.227-7013, DFARS 252.227-7014 and DFARS 252.227-7015.

C.2.6.2.2.2 Modeling Standard
Government acknowledges that the modeling standard specified in Attachment 0024, TDP2 was developed by PdM-MTV for use on the FMTV program. For the purposes of this SOW, the same standard is applicable to the requirements specified for the JLTV FoV TDP. In cases where PdM-MTV is referenced in the standard, JPO JLTV will serve as the point of contact in all matters relating to the JLTV FoV TDP. All technical requirements found within the standard apply unless the contractor is notified to the contrary by the PCO.

C.2.6.2.2.3 Engineering Drawings, Product Drawings and Records

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The Contractor shall provide Product Design Drawings as described in MIL-STD-31000 and IAW CDRL B023 ECP, the most current versions of DI-SESS-81000E, ASME Y14.100M, ASME Y14.34M, ASME Y14.35M, and ASME Y14.24M. Detailed subassembly and assembly drawings shall be completely delineated, directly or by reference to other documents, engineering requirements and characteristics. The delineation shall include materials and tolerance methods where applicable per ASME 14.5M-2009. Engineering drawings and associated lists shall at a minimum provide the necessary design, engineering, manufacturing, and quality assurance information sufficient to procure or manufacture an item that duplicates the physical and performance characteristics of the original prototype, without additional design engineering effort or recourse to the original design activity. The Contractor shall deliver all drawings, revisions, and redraws (of old drawings) in CREO Parametric, and release them into Windchill PDMLink. Quality Assurance Provisions shall be included on the drawings per Section E of this contract. The QAPs shall note the type and frequency of process and product controls or required test for performance, validation, and production control purposes. Container drawings for the engine and transmission shall also be provided as product drawings defined herein. Vehicle top assembly drawings, camouflage drawings, kit drawings, and TACOM peculiar drawings shall also be provided.

C.2.6.2.2.4 Drawings and Associated Lists
Engineering drawings and associated lists prepared shall be legible. Layout drawings and combinations of types of engineering drawings may be used to convey the engineering end item to cognizant Government engineers and scientists and are to be sufficiently detailed to enable competitive procurement or fabrication of the end item. Detail assembly drawings for welded components and other inseparable assemblies are acceptable where each piece is detailed herein and none of the individual pieces are provisioned as spare or repair parts.

C.2.6.2.2.5 Dressed Components
Contractor shall provide dressed component drawings for the engine, transmission, axles, transfer case, cooling pack, and cab if applicable. A dressed component is a properly manufactured, assembled and tested set of parts, subsystems and assemblies that are complete for installation in the vehicle delivered under this contract. Dressed component drawings shall identify all sprockets, pulleys, mounts and other add-ons that integrate the component to the vehicle installation. The dressed component drawings shall be complete in assembly and detail to allow procurement of the dressed component.

C.2.6.2.2.6 Review and Approval of Drawings and Solid Models
2-D line drawings and corresponding 3-D solid models shall be provided to the Government for review. After Government approval of a drawing (reference CDRL B023, ECP) the Contractor shall record in the change block of the drawing any subsequent changes made to the drawing. All solid model and drawing updates shall be submitted to the Government for review.

C.2.6.2.2.7 Drawing Part Number Report
All product drawings including Package Content and Kit drawings produced under this contract shall be assigned Government issued drawing part numbers. These drawing part numbers can be obtained by submitting a written request to Government specifying the type and quantity of drawings being produced. The allocation of these numbers shall be reported on a frequency specified on the DD Form 1423. This report shall be prepared IAW DI-SESS-81011E and include the Contractor's name, address and contract number and manufacturer part number. A cross-reference list shall be provided showing the Government (TACOM) part number and the corresponding vendor part number. (reference CDRL B035, Part Number Report)

C.2.6.2.2.8 Drawing Part Numbers for Privately Developed Items
Contractors are prohibited from assigning drawing part numbers to privately developed items prior to Government approval. If an item is approved for incorporation into the design, the Contractor shall assign a Government issued drawing number to the item.

C.2.6.2.2.9 Drawing Custodianship
The Contractor shall be responsible for all original document files in its possession to include 3-D CREO Solid Models, 2-D line drawings, associated documents, and technical documentation. As drawing custodian, the Contractor shall be responsible to make any changes authorized by Government to the original document files. The Contractor shall not transfer any Government drawing files without written approval from the Government.

C.2.6.2.2.10 Product Structure (Drawing Tree)
The Contractor shall establish and maintain a product structure (drawing tree) reflecting the top down generation breakdown of the JLTV FoV models. The product structure (drawing tree) shall include all separable assemblies, items requiring component specifications, and software. The drawing tree shall be made available for design and other disciplines' review.

C.2.6.3 TDP Delivery Schedule
The Contractor shall begin delivery of the TDP NLT six months after the TDP option is exercised and complete delivery NLT one year after the TDP option is exercised. Should there be any design changes to components that have already been delivered and approved by the Government which resolve issues discovered during testing, the Contractor shall incorporate these changes at no additional cost to the Government.

C.2.6.4 Technical Data Package Warranty
Per DFARS 252.246-7001, the Contractor shall ensure the ECPs, VECPs, and RFDs generated under this contract shall contain accurate and up-to-date information. The ECPs, VECPs, and RFDs shall accurately define the current production configuration, the reason for the proposed change, and the proposed production configuration. Any repercussions based on erroneous or deficient change packages shall be

DRAFT

corrected by the Contractor at no additional cost to the Government. This shall include deficient changes to the production hardware as well as the production configuration. The Contractor shall prepare corrective ECPs and follow-on Engineering Release Record (ERR) packages IAW the requirements of this contract at no cost to the Government. Warranty period shall be IAW DFARS Clause 252.246-7001, Warranty of Data and shall begin at the date of submittal to the Government.

C.2.6.5 CAD Software Updates
For security reasons, the Government will occasionally migrate to updated versions of CAD software. The Contractor will be notified which CAD software is currently in use at the time of TDP option award. The Government will send updated information for any future software updates, after the option is exercised. The contractor is responsible for keeping the most current versions throughout performance of TDP efforts and shall update to this software at the same time as the Government.

C.2.6.6 Source Control or Vendor Item Control Drawings and Models
When creating new Source Control or Vendor Item Control drawings and corresponding models, the Contractor shall provide complete form, fit, function, and interface information as well as detailed performance data and technical data necessary for the segregation of an item or process from, or the reintegration of that item or process (or a physically or functionally equivalent item or process) with, other items or processes (reference CDRL B023, ECP) to allow the Government the ability to test and qualify other vendors or sources. Source Control drawings and models shall be prepared IAW DI-SESS-81010E. When updating or revising existing Source Control or Vendor Control drawings and models, the Contractor shall review and update the drawings and models as needed to meet the requirements of this paragraph. The Contractor shall also verify the vendor information is up-to-date and accurate on all existing source control or vendor control drawings and models. If the Contractor finds the source is no longer valid, the Contractor shall provide a new source. Vendor Item Control and Source Control drawings shall be delivered with unlimited rights to the drawing and associated 3D solid model having only the same data. Source Controlled and Vendor Item Control drawings shall also include repair part information, to include vendor part numbers to be repaired.

C.2.6.7 Software
For all commercial and non-commercial software, the TDP shall include the computer software documentation IAW the latest revision of MIL-STD-31000. Software documentation shall adhere to DIDs specified in ISO/IEC 12207. For non-commercial software, the TDP shall additionally include computer software, including source code. Computer software is defined IAW the latest revision of MIL-STD-31000 definitions.

C.2.6.8 Order of Precedence for TDP Requirements
In the event of a conflict between this TDP Purchase Option section (C.2.6) and section C.2.1 the requirements in Section C.2.6 shall take precedence. In the event of no conflict, all requirements shall apply unless otherwise specified in writing by the PCO.

C.2.6.8.1 Order of Precedence for Technical Requirements within Section C.2.6
In the event of any conflict between technical requirements specified within section C.2.6, the following order of precedence shall be invoked. If no conflict exists, all requirements apply.

1. Attachments 0023 and 0024
2. MIL-STD-31000A
3. ASME Y14.41

C.2.6.9 Incorporation of Changes Between Contract Award and Execution of TDP Purchase Option.
Should any changes to the TDP occur between contract award and the date the TDP Purchase Option is exercised, the Contractor shall deliver the most recent configuration which incorporates all changes into the current TDP at the TDP option price, which will not be changed. In addition, the Contractor shall deliver these new and updated parts with drawing types and rights in technical data consistent with the drawing types and rights proposed at contract award and consistent with DFARS 252.227-7013, 252.227-7014 and 252.227-7015..

C.2.6.10 Engineering Change Proposals (ECP)
The Contractor shall prepare all ECPs and VECPs IAW (Attachment 0020, ECP). The Windchill ECP Standard Operation Process is defined in (Attachment 0025, WindChill ECP Process). Impact statements and supporting data sufficient to evaluate the change shall accompany each request to include engineering, safety, quality, cost, schedule, MANPRINT, packaging, provisioning, maintenance, TM, training.

All changes proposed by the Contractor shall be at the Contractors cost. All changes generated by the Government will be funded by the Government unless exception in section C.2.1.1.5.7.2 applies. Government approval of the ECP does not constitute relief from vehicle performance requirements. (CDRL B023, ECP)

C.2.6.10.1 ECP Number
The Contractor shall request ECP numbers via e-mail to the Configuration Data Management (CDM) representative. The Contractor shall utilize these numbers on an individual basis as a control identifier for ECPs and related Engineering Release Records (ERRs). Once an ECP number is assigned to the first submission of a change proposal, that number shall be retained for all subsequent submissions of that change proposal. The Contractor shall maintain records of where and when each ECP number was used. The ECP and ERR number shall consist of the Government-assigned Contractor three character alpha prefix, followed by the TACOM five-digit alpha-numeric number.

DRAFT

C.2.6.10.2 PDMLink
The Contractor shall obtain access to ACE/Windchill for input of Engineering Change Proposals (ECP), Notice of Revision (NOR), and Request for Deviations (RFD). The ACE/Windchill access forms can be obtained by going to: https://ace2.tacom.army.mil/newuser/.

C.3 SYSTEM TECHNICAL SUPPORT

C.3.1 GENERAL
As an independent Contractor, and not as an agent of the U.S. Government, the Contractor shall furnish the supplies and services necessary to accomplish the efforts required under the work directive(s) modified into the contract. All work conducted under the STS effort shall be performed only as specified in the work directives approved by the Procuring Contracting Officer (PCO). ECPs, VECPs and RFDs shall follow the process in Attachment 0032, Work Directive Process. When authorized by work directive, the Contractor shall furnish all services and supplies requested to accomplish Engineering, Configuration Management, Quality Assurance, IPS, maintenance, training, and testing associated with Government-initiated changes and improvements to the production vehicles, logistics products, and fielding of the JLTV. These efforts shall be performed IAW Sections C and E of this contract, and all specifications, standards, regulations, drawings, guidance and DIDs unless otherwise stated in the work directive. The engineering and related technical support functions shall also apply to development of new, changed, revised, or updated engineering and logistics efforts applicable to the JLTV FoV, auxiliary kits, training packages and test requirements. The Contractor's responsibilities shall include maintaining control of Subcontractor efforts to ensure Government requirements are met.

Specific tasks will be assigned through work directives. Beyond responding to the COR e-mail request to provide the estimated hours for FSR support and Other Direct Costs (ODC) to complete the effort defined in a draft work directive, the Contractor is to perform NO effort unless the appropriate option(s) is exercised and a Work Directive (WD) authorizes the effort. The Government is not obligated to exercise the STS option(s), detailed in section H, in part or in full.

The STS portion of this contract shall be priced out on a Cost plus Fixed Fee basis. The Contractor shall only be paid for hours actually used. The contractor shall review the proposed scope of work in each draft work directive and shall provide the estimated hours for FSR support and Other Direct Costs (ODC) to complete that effort within 10 business days of the request for proposal and draft work directive. Estimated labor hours will be funded at the composite hourly rate for each option year. All material, or other direct costs, required to perform STS efforts will be negotiated on a case by case basis. The contractor shall include a scope of work to be performed, milestone chart, and itemized projected man hour and material expenditures, with cost information to the PCO. The government will use this information to determine reasonableness of the hours and cost proposed.

The Contractor shall not exceed any amount authorized for each individual work directive. The Contractor shall notify the COR immediately by telephone and e-mail if the dates that work must be performed or data to be delivered will not be met. The Contractor shall follow-up with a letter to the PCO and COR. The Contractor shall furnish a revised statement of total hours and dollars to complete such work together with said notice. Accordingly, the Contractor shall notify the COR and PCO when 75% of the allocated funds or hours for that particular work directive have been expended or obligated IAW FAR 52.232-20 contained in this contract.

The contractor shall submit monthly Project Expenditure Reports IAW CDRL A020 for each work directive.

Work Directives.
All work under this STS section shall be performed IAW work directives approved by the PCO. Each work directive shall include the following information:
(1) Work Directive number and Title
(2) Reference to applicable paragraph # in Section C or E
(3) Objective of the work to be performed
(4) Maximum number of hours authorized
(5) Detail description of work to be performed
(6) Detail estimate of Other Direct Costs (ODC), including materials, purchased services, freight, travel, and other pertinent costs
(7) Completion Date
(8) Relative priority of the work to be performed
(9) Identification of applicable contract number, contractors name and address
(10) Identification of any items deliverable to the Government.

Each WD is regulated by the latest COR and PCO signed WD Revision and its listed period of performance. STS CLIN completion dates are for administrative purposes only.

The COR has the right to prioritize the work being performed under this STS clause.

Work directives shall be generated in an electronic format and transmitted via electronic media that are mutually acceptable to the Government and Contractor.

C.3.1.1 GFE Integration

The Contractor shall update the CSIL with any additional GFE systems as required by the WD.

DRAFT

C.3.1.2 Applicable Document
The Contractor shall prepare technical data in the format and scope specified in the applicable DIDs. This information shall be furnished IAW the requirements, quantities, and schedules set forth in the CDRL. Data shall be submitted in an electronic format compatible with Microsoft programs unless otherwise specified in the SOW, WD, or CDRL.

C.3.1.3 Project Status Meetings
The Contractor shall conduct an STS Start of Work Meeting at the Contractor's facility within 30 days after award of each work directive. The Contractor and Government will discuss the STS and ECP work directive requirements. For planning purposes this meeting is anticipated to last no more than one day.

C.3.1.4 Biweekly Review
The Contractor shall conduct STS project status meetings with the Contracting Officer Representative (COR) on a biweekly basis to provide status accounting of STS work directives. The purpose of the meetings shall be to review status and progress of all projects.

C.3.1.4.1 Work Directive Status Accounting
The Contractor shall identify STS project numbers and titles, start of work date for each project, original and current scheduled completion date, rationale for change in project completion date, and Contractor's efforts during reporting period. Meeting location, time and attendance shall be coordinated with the COR.

C.3.2 SYSTEM ENGINEERING and TECHNICAL EFFORT DESCRIPTION
The Contractor shall perform system engineering to assure that satisfactory solutions are provided to mitigate design issues. Satisfactory solutions are those that maintain compatibility of all physical, functional and technical interfaces with the established JLTV system design and definition. This shall be accomplished without degradation to the established JLTV FoV system performance unless otherwise approved by the Government.

The Contractor shall conduct technical studies to correct known or potential operational deficiencies, to accomplish product improvements, to accomplish cost reductions, and to maintain current the contract item data for serviceability and intended use. All efforts shall consider any impact to logistics, maintainability, reliability, survivability, human systems integration, safety, interoperability or supportability. The Contractor shall consider Program Protection in system engineering activities across the program's life cycle to include science and technology efforts, research, design, development, implementation, testing, maintenance, upgrade and disposal of the system. In performance of these efforts, the Contractor may be required to contact or coordinate with manufacturers and major vendors to resolve issues and ensure continued producibility.

The Contractor shall prepare cost estimates, technical reports, calculations, layouts, drawings and CAD models, sketches, schematics charts and other visual depictions (including photographs and videos documenting test results or vehicle or component conditions), and subsequently recommend Engineering Change Proposals for current and future production versions of the contract item and modifications thereof.

The Contractor shall prepare and submit technical reports identifying the results of investigations or evaluations. This shall include recommendations for future course(s) of action as well as the supporting rationale and documentation. When the report recommends an Engineering Change Proposal (ECP), the report shall also address the potential impact on Integrated Product Support (IPS) (initial or follow-on provisioning, technical manuals, TMDE, tools, training) as well as any anticipated cost and weight associated with the change.

The Contractor shall conduct trial installations of component part(s) and associated testing on the contract item, or modification thereof, and testing related to processes and methods that are required to evaluate the work. The Contractor shall provide parts, materials and supplies required to support and conduct engineering and logistic evaluations, maintenance, rebuild and restoration of the contract item or modification thereof for items undergoing such tests.

If directed by the Government, the contractor shall prepare an ECP in accordance with the base LRIP contract format. All configuration baseline changes, associated TDP changes, and updated IPS products shall be submitted with the ECP under this work.

C.3.2.1 Work Directive Response Considerations
The Contractor shall include in its STS work directive responses (in addition to the requirements detailed in the individual work directives) considerations for cost, schedule, safety, environmental, and MANPRINT aspects in the proposed solution. At minimum, the Contractor shall consider impacts of human factors engineering, manpower, personnel, training, health hazards, and soldier survivability. The operation and maintenance aspects of the solution shall be considered under all required operational conditions.

C.3.2.1.1 Design for Manufacturability
The Contractor shall perform assessments of Design for Manufacturability (DFM) that include Digital Mockup Assembly (DMA) reviews, feasibility studies, and predicted assembly times for the JLTV. The Contractor shall show how the JLTV FoV has been designed for production Manufacturability per the Manufacturing Development Strategy by using methods to simulate full rate production manufacturing processes.

C.3.3 General Field Service Representative

DRAFT

The Contractor shall provide Field Service Representative technical support as defined by the Work Directive as specified in an individual Work Directive. Technical support includes technical guidance, operating Government vehicles, user training, technical data collection and reporting, troubleshooting, repairing, retrofit, deprocessing, storing, and shipping vehicles and its respective components during transition and training. User training consists of assembly and subassembly troubleshooting, component and system fault isolation, and repair. This training may be informal in nature and done principally by demonstrating the function. The FSR shall be experienced and qualified to advise, make recommendations, and to orient and instruct key Government personnel with respect to operation, maintenance, and repair of the JLTV FoV and its components. The effort consists of investigation and diagnosis of problems or issues in the field related to vehicle performance, maintenance, and training.

C.4 INTERIM CONTRACTOR SUPPORT

C.4.1 INTERIM CONTRACTOR SUPPORT OBJECTIVES
Interim Contractor Support (ICS) approach includes maintenance, training, and supply support.

The Contractor shall:

a) Provide the personnel, transportation, material, warehousing and support equipment including test equipment and tools to perform all scheduled and unscheduled maintenance as required herein to support JLTV FoV at fielded locations (CONUS and OCONUS);
b) Provide expertise in managing, warehousing, issuing and receipt of Class IX stockage;
c) Utilize approved instructions in the care and service of JLTV FoV.

C.4.2 Interim Contractor Support Options

The ICS portion of this contract shall be priced on a Cost plus Fixed Fee basis. The Contractor shall only be paid for hours actually used. The contractor shall review the scope of work, and Attachment 50, Fielding Schedule to provide the estimated hours for FSR support and Other Direct Costs (ODC) to complete that effort within 10 business days of a request for cost proposal IAW C.4. Estimated labor hours will be funded at the composite hourly rate (CONUS or OCONUS) for each option year. All material, or other direct costs, required to perform ICS efforts will be negotiated on a case by case basis. The contractor shall include a description of work to be performed, milestone chart, and itemized projected man hour and material expenditures, with cost information to the PCO. The government will use this information to determine reasonableness of the hours and cost proposed.

The Contractor is to perform NO effort unless the appropriate options are exercised. The Government is not obligated to exercise ICS options in Section H in part or in full. The Contractor shall not exceed any amount authorized under any CLIN on contract for ICS. The Contractor shall notify the COR immediately by telephone and e-mail if the dates that work must be performed or services to be performed will not be met. The Contractor shall follow-up with a letter to the PCO and COR. The Contractor shall furnish a revised statement of total hours and dollars to complete such work together with said notice. Accordingly, the Contractor shall notify the COR and PCO when 75% of the allocated funds have been expended or obligated IAW FAR 52.232-20 contained in this contract.

The contractor shall submit monthly Funds and Man-hour Expenditure Report IAW CDRL A004.

C.4.3 CONTRACTING OFFICERS REPRESENTATIVE
The Government will designate a Contracting Officer Representative (COR). The COR is an individual designated IAW DFARS 201.602-2 and is authorized in writing by the Contracting Officer to perform specific technical functions.

The Contractor will receive a copy of the COR appointment letter after award that will specify the extent of the COR authority to act on behalf of the Procuring Contracting Officer (PCO). The COR is NOT authorized to make any commitments or changes that will affect price, quantity, delivery or any other term or condition of this contract.

C.4.4 TECHNICAL SUPPORT AND SERVICES

C.4.4.1 Start of Work Meeting
The Contractor shall conduct an ICS Start of Work Meeting (SOWM) no later than 30 days after exercising the first ICS Options. The ICS SOWM is anticipated to last no longer than two (2) days and shall be held at the Contractors facility. The Contractor shall, as a minimum, brief:

a) Contractor's strategy for conducting ICS and the Contractors "keys to success" for meeting program objectives and metrics.
b) Contractor's process for determining support requirements for successful fulfillment of ICS Option.
c) Contractor's schedule for meeting key fielding and support dates.
d) Contractor's plan for transitioning from ICS to JLTV's Product. Support Strategy (at Materiel Support Date(s)).
e) List of key personnel to include ICS Manager.

C.4.4.2 Field Service Representative Support

C.4.4.2.1 Field Service Representatives
The Contractor shall provide experienced Field Service Representatives (FSR) personnel to support the JLTV ICS locations based on the

DRAFT

JLTV Fielding Schedule (Attachment 0050, Fielding Location and Schedule). These personnel shall be trained and qualified to operate, diagnose, troubleshoot, maintain, train, retrofit and repair the JLTV FoV. FSRs shall have the ability to identify failures of JLTV Government Furnished Equipment (GFE) and shall report failures of GFE to the requisite unit repair activity for those items. FSRs will be prepared to provide operator and maintainer sustainment training at all levels. FSRs shall comply with local unit Standard Operating Procedures (SOP) for documenting and reporting maintenance and repair activities to include JLTV reporting. The Contractor shall provide a recommended ratio of FSR support required to maintain a set number of vehicles per site based on fielding schedule (Attachment 0050, Fielding Location and Schedule)

C.4.4.2.2 Field Service Representatives Response Time
The Contractor shall ensure sufficient FSRs are available to meet all performance metrics for training and field exercises as defined by each units training and exercise employment plan to be identified by the Government. When unit exercises and training dictate a 24/7 support requirement, the Contractor shall ensure that FSRs are available to support the unit. FSRs shall coordinate with the unit to ensure that the Unit's schedule can be supported.

The Contractor shall ensure that FSRs respond to Government requests for support in less than 60 minutes after notification and provide status of the maintenance action and the availability of the supported item.

C.4.4.2.3 After Action Report
After any supported training or Unit exercise, the Contractor shall submit an After Action Report AAR within 14 calendar days detailing the activities provided by the FSRs. (CDRL C066, After Action Report)

C.4.4.2.4 License Requirements
The Contractor shall ensure that all Field Service Representatives (FSRs) have a valid Group A Commercial Driver License, IAW ALARACT 242-2011. Any costs associated with obtaining commercial driver licenses shall be incurred by the Contractor and shall not be reimbursed by the Government.

C.4.4.3 Vehicle Maintenance Services
The Contractor shall perform, to the extent specified herein, all Field Level of Maintenance (LOM) and Sustainment LOM on the JLTV FoV. The JLTV FoV will be maintained to a Fully Mission Capable status at all times IAW the JLTV Technical Manuals (TMs) and Interactive Electronic Technical manuals (IETMs). If JLTV TM(s) and IETM(s) do not provide information and instructions needed to perform the required maintenance, the Contractor shall perform maintenance IAW published Original Equipment Manufacturers (OEM) procedures. All maintenance labor hours, tasks and parts consumed during unscheduled maintenance and scheduled services shall be included in the Service and Consumption Report. (CDRL A016, Service and Consumption Report)

C.4.4.3.1 Unscheduled Maintenance
The Contractor shall perform unscheduled maintenance on the JLTV FoV IAW the current JLTV TM(s) and IETM(s). If JLTV TM(s) and IETM(s) do not provide information and instructions needed to perform the required maintenance, the Contractor shall perform maintenance IAW published OEM procedures. Any deficiencies found in JLTV TM(s) and IETM(s) will be annotated and presented during Field Logistics Management (FLM) reviews (CDRL A001, Read Ahead Agenda) (CDRL A002, Minutes).

C.4.4.3.2 Scheduled Services
The Contractor shall perform all scheduled services on the JLTV FoV at required intervals IAW the current JLTV TM(s) and IETM(s). If JLTV TM(s) and IETM(s) do not provide information and instructions needed to perform the required scheduled services, the Contractor shall perform scheduled services IAW published OEM procedures. In addition, the Contractor shall provide all parts and materials to perform scheduled services JLTV TM(s) and IETM(s). Any deficiencies found in JLTV TM(s) and IETM(s) will be annotated and presented during FLM reviews. (CDRL A001, Read Ahead Agenda) (CDRL A002, Minutes).

C.4.4.3.3 Operator Preventive Maintenance Checks and Services
The Contractor shall provide quality assurance to the Army and Marine Corps operators and Units to ensure Preventive Maintenance Checks and Services (PMCS) for the JLTV FoV are performed IAW the current JLTV TM(s).

C.4.4.3.4 Safety of Use Messages, Ground Precautionary Action Messages, Maintenance Advisory Messages, and Maintenance Information
The Contractor shall take action as defined in all Safety of Use (SOU) Messages, Ground Precautionary Action (GPA) Messages, Maintenance Advisory (MA) Messages, and Maintenance Information (MI) Messages provided by the Government that impact parts, assemblies or activities for which the Contractor has responsibility. In addition, the Contractor shall report compliance with SOUs, GPAs, MAs, and MIs on a weekly basis by Unit, Vehicle to include model and serial number and action taken. (CDRL C067, Compliance Report)

C.4.5 ICS METRICS REPORTING

C.4.5.1 Turn Around Time
The Contractor shall ensure that Turn Around Time (TAT) does not exceed the designated TAT in Attachment 0051, Turn Around Time Metric. TAT is the period of time that elapses between the time that a unit maintenance organization accepts a field or organization work order, followed by accomplishment of the work, and the time at closeout of the work order. The contractor shall provide a monthly report. (CDRL C068, TAT Report)

DRAFT

C.4.5.2 Inventory Accuracy and Accountability
The Contractor shall maintain an Inventory Accuracy of 100% at any warehouse facility issuing or storing JLTV FoV parts and supply inventory. The Contractor shall conduct a thorough review of all material and property inventory accountable under this contract every six months. The Contractor shall notify the Administrative Contracting Officer (ACO) and Government Property Administrator (GPA) 30 days prior to initiating the review. The Government may participate, at its option, in the inventory review. The results of the review shall be used to update the Contractor's property records required under the terms of this contract. The Government will use CDRL A017, Current Inventory Report to evaluate the results of each review.

C.4.6 GOVERNMENT PROVISIONS
The Government will provide access to Unit or Organization's facilities during work hours for performing maintenance on JLTV FoV. The Government will provide access to office space area in which to complete required documentation for Unit reporting requirements. The Government will provide access to telephone and computer network communications.

C.4.7 CONTRACTOR PROVISIONS
The Contractor shall provide FSRs all necessary provisions, not provided by the Government, to perform the maintenance, training, and supply support ICS tasks.

C.4.7.1 Contractor Furnished Property
The Contractor shall furnish all required equipment and personal safety items for FSR's, such as safety goggles, safety shoes, safety hats, gloves, ear protection and tools. The contractor shall ensure all FSRs have appropriate safety items to perform ICS. The Government assumes no responsibility for Contractor-owned property.

C.4.7.2 Common Access Card
All Contractor personnel performing work under this effort shall obtain a Common Access Card (CAC) (reference C.1.2.4) within 15 days after exercise of option period.

C.4.7.3 Physical Security
The Contractor shall safeguard all Government equipment, information, and property provided for Contractor use at all times. At the close of each business day or work period, Government facilities, equipment, and materials shall be secured.

C.4.7.4 Key Control
The Contractor shall establish and implement procedures to ensure all Government issued keys are properly handled and are not lost, damaged or otherwise used by unauthorized persons. No Government issued keys shall be duplicated. The Contractor shall require personnel with key access to turn in Government issued key(s) when it is determined the key access is no longer required. The Contractor shall immediately report any occurrences of lost or duplicate keys to the COR.

C.4.7.5 Prohibition on Use of Keys
The Contractor shall prohibit the use of Government issued keys by any persons other than Contractor authorized employees. The Contractor shall prohibit the opening of locked areas by Contractor employees to permit entrance of persons other than Contractor employees engaged in the performance of assigned work in those areas or personnel authorized entrance by the COR.

C.4.7.6 Lock Combinations
The Contractor shall establish and implement methods of ensuring that all lock combinations are not revealed to unauthorized persons. The Contractor shall ensure that lock combinations are changed when personnel having access to the combinations no longer have a need to know such combinations.

C.4.7.7 Special Qualifications
The Contractor FSRs must have the following qualifications;

a. Information Assurance Technician (IAT) Level I Professional Training and Certification, IAW DoD 8570.01-M.
b. ICS personnel for All OCONUS Regions: OCONUS TRAVEL PRO-FILE, IAW ALARACT 098/2010.
c. ICS personnel in Germany: The DOD Foreign Clearance Guide (Europe, Germany, Section III) - Section III - Personnel Entry Requirements for Official Travel, A. Paragraphs 8. a - c Antiterrorism (AT) Training, Statement of Force Protection (FP) responsibility, and Personnel Recovery (PR) training and documentation found at: https://www.fcg.pentagon.mil/fcg.cfm

C.4.7.8 Identification of Contractor Employees and Work Products
All Contractor personnel attending meetings, answering Government telephones, and working in other situations where its Contractor status is not obvious to third parties are required to identify themselves as a Government Contractor. The Contractor shall also ensure that all documents or reports produced by the Contractor are marked as Contractor products (proprietary or not). When on Government property, Contractor personnel shall obtain and wear identification badges in the performance of this service. ID badges shall be visible at all times.

C.4.7.9 Contractor Travel
The Contractor may be required to travel to CONUS and OCONUS locations during the performance of this effort to attend meetings, conferences, and train the end user. Travel to the same location on multiple occasions may be necessary. The Contractor may be required

DRAFT

to ship training aids to these locations in support of this SOW. The Contractor will be authorized travel expenses consistent with the substantive provisions of the Joint Travel Regulation (JTR) and the limitation of funds specified in this contract.

C.4.8 SPARES and PARTS MANAGEMENT

C.4.8.1 Spare and Repair Parts
The Contractor shall manage and maintain inventory levels for all parts required for Sustainment of JLTV FoV that are supported under ICS. The Contractor shall order only Original Equipment Manufacturer (OEM) approved parts and material. The Contractor shall implement material process selection and control to limit excess inventory. Packaging and Shipment preparation shall be IAW MIL-STD-2073-1D at the part level.

C.4.8.2 Parts Procurement
The Contractor shall be responsible for all ordering, receiving, repair, packaging, handling, storage, and disposal of parts. The Contractor shall ensure the availability of parts to sustain all fielded configurations and any Government directed changes to configurations after items are fielded.

C.4.8.3 Common Part
A common part is defined as a part that goes on other military applications in addition to JLTV FoV, has an established NSN, and is managed by an organic Government source of supply. The Contractor is responsible for obtaining common parts for maintenance and repair of JLTV FoVs.

C.4.8.4 Common Parts Managed by Government Sources of Supply
For common parts supporting all activities, the Contractor is authorized to purchase Government owned inventory from the organic managing activity if stock is available in the Government supply system and meets the requirements of the contract. The stock may be managed by DLA, AMC (Army Material Command), Marine Corps Logistics Command (LOGCOM) or other DOD NICPs (National Inventory Control Points). If the Contractor chooses to order parts from the Government supply system, it does not constitute relief of any other contractual requirements.

C.4.8.5 Parts Ordering and Military Standard Requisitioning and Issue Procedures Authority
The Contractor is authorized access to the Federal Supply System to acquire materiel via the Military Standard Requisition and Issue Procedures (MILSTRIP) process. The Contractor shall obtain a Department of Defense Activity Address Code (DODAAC) assigned to this contract to review asset information and to place orders from the Government. The Contractor will be granted access to view stock levels and availability, when purchasing common parts. Any acquisitions from DLA and other Government sources of supply will be a direct transaction between the Contractor and the managing Government organization. Materiel may be requisitioned using Military Standard Requisition and Issue Procedures (MILSTRIP) or via the DOD EMALL. The Contractor is responsible for dealing directly with DLA and other Government sources of supply to ensure quality and timely delivery of the parts ordered. DOD EMALL website: https://dod-emall.dla.mil/acct/.

C.4.8.6 Reserved

C.4.8.7 Repair of Unserviceable Parts
The Contractor shall repair returned unserviceable repairable items. The Contractor shall make all repairs IAW manufacturer repair standards. In the event manufacturer's repair standards do not exist, the items shall be repaired to the latest drawing configuration. All repairs to each item must be repaired to a single standard, unless otherwise authorized by the COR. The Contractor shall allow the Government access to review repair standards, repair processes and inspection or tests used. The Contractor shall not repair items where the repair cost exceeds 100% of the replacement cost. The Contractor shall manage the process for the receipt inspection and issuance of repairable items. The Contractor shall provide serviceable parts for the JLTV FoV only and capture returned unserviceable parts. The Contractor shall screen unserviceable returns within existing capabilities for "no evidence of failure". Condition of parts, serviceable or unserviceable is determined using condition code definitions in DoD 4000.25-2-M appendix 2.5.1. The Contractor shall dispose of unrepairable parts, consumables IAW with local disposal procedures. All completed repairs and disposed parts shall be included in the Parts Repair Report (CDRL A019, Parts Repair Report).

C.4.8.8 Reserved

C.4.8.9 Petroleum, Oil and Lubricants
The Government will provide standard Petroleum, Oil and Lubricants POL supply, Gases (nitrogen, argon, oxygen, acetylene, 134 Refrigerant) in support for the maintenance of JLTV FoV.

C.4.9 FIELD LOGISTICS MANAGEMENT (FLM)
The Contractor shall establish a FLM process to document issues discovered, recommend process improvements, and analyze statistical data gathered during the performance of ICS for JLTV FoV and shall brief on the following at Bi-weekly FLM review hosted by the Contractor:

1: Identify and investigate logistical and technical issues that affect readiness, personnel safety, TMs and IETMs, supply support, issues raised by the Government.
2: Identify process improvements which could increase Unit readiness or reduce Government costs.

DRAFT

3: Categorize issues and improvements based upon cost, impact to vehicle readiness, and safety.
4: List Top 25 JLTV FoV unique replacement parts used on each JLTV FoV, the Top 5 unique replacement part by Mission Equipment Package (MEP), and the Top 10 non-unique replacement item used in support of the JLTV ICS effort. A unique part is defined as a part that is not utilized on other military applications and is only applicable to the JLTV FoV. All Lists shall be developed by performing a weighted analysis based on demands, criticality, time to replace, and dollar value.
At the Government's request, the Contractor shall perform analysis on selected issues and recommendations. This analysis will include defining the problem scope and determining the impact on ICS Sustainment cost and readiness (e.g. frequency of occurrence, failure modes and locations, supply disruption). In addition, the Contractor shall assess the level of criticality (i.e. safety issue, operational impact, maintenance impact, obsolescence or Command interest). The Contractor will be given access to LMP and STAMIS data to support the FLM analysis. The Contractor shall provide read ahead agenda (CDRL A001, Read Ahead Agenda) and meeting minutes (CDRL A002, Minutes).

C.4.10 INVENTORY MANAGEMENT

C.4.10.1 Inventory Management Plan
The Contractor shall provide a plan to manage the inventory of parts acquired to support the JLTV FoV. This plan shall address the Contractors plan for Inventory Control, Warehousing and limiting excess inventory. The Contractors Inventory Management plan will address and support the JLTV FoV SAIP strategy. (CDRL C071, Inventory Plan)

C.4.11 WARRANTY MANAGEMENT

C.4.11.1 Warranty Coverage
If any part(s) is determined to be covered by a warranty included in this contract, the Contractor shall immediately initiate and submit a warranty claim to repair or replace (whichever is applicable) the defective parts and provide a copy to the COR and PCO. The Contractor will be allowed to inspect defective supplies under the warranty. The Contractor shall request PCO approval to replace or repair the parts and or assemblies IAW the pass through warranties offered from its Subcontractors and vendors.

C.4.11.2 Reserved

C.4.12 CONFIGURATION MANAGEMENT

C.4.12.1 Interim Contractor Support Configuration Management
The Contractor shall submit a listing of material that no longer meets the Product Baseline with recommendations for the disposition of inventory to the COR. The Contractor shall document actions in the DMSMS Management Plan (reference CDRL C060, DMSMS Management Plan). The material disposition shall be categorized as one of three options; use until exhausted, upgrade or dispose. The Contractor shall provide any ECP and ECO related data to the Government. The COR will provide final disposition instructions of said material to allow the Contractor to take the appropriate action and adjustments of the inventory. (CDRL C072, Obsolete Material)

C.4.13 SOFTWARE UPDATES
The Contractor shall provide and install software updates, as necessary, to mitigate or close vulnerabilities identified in CFE software including operating systems, applications, and firmware throughout this period of performance.

C.4.14 CYBERSECURITY VULNERABILITY MANAGEMENT
The Contractor shall provide software updates, as necessary, to mitigate or close vulnerabilities identified in CFE software including operating systems, applications, and firmware throughout the life of the vehicle. The Contractor shall confirm the patching through the use of a Government accepted automated vulnerability reporting tools. (CDRL C073, Cybersecurity Vulnerability Report)

C.5 TOTAL PACKAGE FIELDING
The Contractor shall perform all work in Section C.5 and subparagraphs on a Cost Plus Fixed Fee Basis when an option is exercised in accordance with Section H.

C.5.1 GENERAL
Total Package Fielding (TPF) is the Army's standard materiel fielding process for new and modified materiel systems. The TPF process is designed to provide Army materiel systems to the using units, as a coordinated package of end items, support items and technical documentation, IAW (IAW) Army Regulation (AR) 700-142.

C.5.1.1 Introduction and Objectives
Government expects to train, de-process and field vehicles over six (6) years to various locations. TPF process is to ensure gaining units are fully trained in both the operation and maintenance of new equipment and to ensure equipment is delivered to the gaining units on schedule and fully mission capable, and have the ability to operate vehicles anywhere in the world.

C.5.1.2 TPF Options
The TPF portion of this contract shall be priced on a Cost plus Fixed Fee basis. The Contractor shall only be paid for hours actually used. The contractor shall review the scope of work, and Attachment 50, Fielding Schedule to provide the estimated hours for FSR support and Other Direct Costs (ODC) to complete that effort within 10 business days of a request for proposal. Estimated labor hours will be funded at the composite hourly rate (CONUS or OCONUS) for each option year. All material, or other direct costs, required to

DRAFT

perform TPF efforts will be negotiated for each option exercised. The contractor shall include a description of work to be performed, milestone chart, and itemized projected man hour and material expenditures, with cost information to the PCO. The government will use this information to determine reasonableness of the hours and cost proposed.

The Contractor is to perform NO effort unless the appropriate options are exercised. The Government is not obligated to exercise TPF options in Section H in part or in full. The Contractor shall not exceed any amount authorized under the contract for TPF. The Contractor shall notify the COR immediately by telephone and e-mail if the dates that work must be performed or services to be performed will not be met. The Contractor shall follow-up with a letter to the PCO and COR. The Contractor shall furnish a revised statement of total hours and dollars to complete such work together with said notice. Accordingly, the Contractor shall notify the COR and PCO when 75% of the allocated funds or hours on contract have been expended or obligated IAW FAR 52.232-20 contained in this contract.

The contractor shall submit monthly Funds and Man-hour Expenditure Report IAW CDRL A004.

C.5.1.2.1 Total Package Fielding and New Equipment Training Requirements
The POP includes all TPF actions and New Equipment Training (NET) required to support the fielding of JLTV FoVs to multiple locations. The Contractor shall provide TPF support for quantity identified in Attachment 50, Fielding Location and Schedule if options are exercised. The Contractor shall provide NET with each fielding, as set forth in:
Attachment 0050 (Fielding Location and Schedule)
Attachment 0033 (New Equipment Training)

C.5.1.2.2 Labor Hour Usage
The Contractor shall advise the COR, if the Contractor anticipates a labor hour burn rate increase of more than 10% over the hourly rate on contract for each option period or anticipates that all labor hours will be exhausted prior to the last month of the POP, to include rational for the increase.

C.5.1.3 General Information

C.5.1.3.1 Recognized Holidays
Contractors shall not perform on the following Federal Holidays:

New Year's Day
Birthday of Martin Luther King, Jr.
President's Day
Memorial Day
Independence Day
Labor Day
Columbus Day
Veterans Day
Thanksgiving Day
Christmas Day

C.5.1.3.2 Hours of Operation
The Contractor shall provide TPF services during a 40 hour work week, Monday through Friday, at both CONUS and OCONUS locations except when the Government facility is closed due to local or national emergencies, administrative closings, or similar Government directed facility closings. The Contractor shall maintain an adequate workforce for the uninterrupted performance of all tasks defined within this SOW when the Government facility is not closed for the above reasons. The Government will only authorize travel during the work week (Monday through Friday), except as authorized by the COR to meet mission requirements. The Contractor shall respond and comply with all schedule changes within seven calendar days of notification of changes as the NET and Fielding Schedules are subject to changes throughout the POP.

C.5.1.3.3 Local Program Management Office
The Contractor shall establish fielding sites which are to be operational at all times during fielding or training at the following CONUS Army installations: FT Bragg, NC, FT Campbell, KY, FT Carson, CO, FT Drum, NY, FT Hood, TX, FT Lewis, WA and FT Stewart, GA, IAW the period(s) of performance and fielding schedule. It is the Army's intent for these locations to be a permanent presence for the period of performance of this TPF effort. These sites also include Interchange, Department of Defense (DOD) Customers, Army Reserve, and National Guard Customers at locations throughout the world. For the Marine Corps, the Contractor shall establish fielding sites (which are to be operational at all times during fielding or training IAW period(s) of performance) at Camp Pendelton, CA, and Camp Lejeune, NC, Japan (Okinawa and Iwakuni). All fielding will occur at Government facilities.

C.5.1.3.4 Changes Due to Other Issues
The Contractor shall provide personnel at fielding locations for additional de-processing, training, fielding, and application of kits due to Operations Tempo (OPTEMPO) changes, Deployments, Partial Fielding's, and location changes.

C.5.1.3.5 CONTRACTOR PROVISIONS
The Contractor shall provide FSRs, and all necessary provisions, not provided by the Government, to perform the maintenance, training,

DRAFT

and supply support TPF tasks.

C.5.1.3.5.1 Common Access Cards
All Contractor personnel performing work under this effort shall obtain a Common Access Card (CAC) within 15 days after exercise of option. As part of the process, an SF85P Questionnaire Trust Positions or National Agency Check with Written Inquiries and Credit Check (NACI) and a FD258 (FBI fingerprint card) are required for background vetting.

C.5.1.3.5.2 Lock Combinations
The Contractor shall establish and implement methods of ensuring that all lock combinations are not revealed to unauthorized persons. The Contractor shall notify the COR when personnel having access to the combinations no longer have a need to know such combinations in order for the Government to change combinations.

C.5.1.3.5.3 Prohibition on Use of Keys
The Contractor shall prohibit the use of Government issued keys by any persons other than Contractor authorized employees. The Contractor shall prohibit the opening of locked areas by Contractor employees and prohibit entrance of persons other than Contractor employees engaged in the performance of assigned work in those areas unless otherwise authorized entrance by the COR.

C.5.1.3.5.4 Key Control
The Contractor shall establish and implement procedures to ensure all Government issued keys are properly handled and are not lost, damaged or otherwise used by unauthorized persons. No Government issued keys shall be duplicated. The Contractor shall require personnel with key access to turn in Government issued key(s) when it is determined the key access is no longer required. The Contractor shall immediately report any occurrences of lost or duplicate keys to the COR.

C.5.1.3.5.5 Physical Security
The Contractor shall safeguard all Government equipment, information, and property provided for Contractor use at all times. At the close of each business day, the contractor shall secure Government facilities, equipment, and materials.

C.5.1.3.5.6 Identification of Contractor Employees
All Contractor personnel attending meetings, answering Government telephones, and working in other situations where its Contractor status is not obvious to third parties are required to identify themselves as a Government Contractor. The Contractor shall also ensure that all documents or reports produced by the Contractor are marked as Contractor products (proprietary or not). When on Government property, Contractor personnel shall obtain identification badges in the performance of this service. The Contractor shall assure that all Contractor personnel wear a visible identification badge at all times during the performance of this effort.

C.5.1.3.6 Special Qualifications
The Contractor shall ensure FSRs have the following qualifications:

a. Information Assurance Technician (IAT) Level I Professional Training and Certification, IAW DoD 8570.01-M.
b. TPF personnel for All OCONUS Regions: OCONUS TRAVEL PRO-FILE, IAW ALARACT 098/2010.
c. TPF personnel in Germany: The DOD Foreign Clearance Guide (Europe, Germany, Section III) - Section III - Personnel Entry Requirements for Official Travel, A. Paragraphs 8. a - c Antiterrorism (AT) Training, Statement of Force Protection (FP) responsibility, and Personnel Recovery (PR) training and documentation found at: https://www.fcg.pentagon.mil/fcg.cfm

C.5.1.3.7 Contracting Officer Representative
The Government will designate a Contracting Officer Representative (COR). The COR is an individual designated IAW DFARS 201.602-2 and is authorized in writing by the Contracting Officer to perform specific technical functions.
The Government will provide a copy of the COR appointment letter to the Contractor immediately after award that will specify the extent of the COR's authority to act on behalf of the PCO. The COR is NOT authorized to make any commitments or changes that will affect price, quantity, delivery or any other term or condition of this contract.

C.5.1.3.8 Contract Administrator
The Contractor shall provide a Contract Administrator Point of Contact (POC) who shall have full authority to act for the Contractor when the Program Manager is unavailable. The POC shall be designated in writing to the PCO and COR.

C.5.1.3.9 Contractor Travel
The Contractor may be required to travel to CONUS and OCONUS locations during the performance of this effort to attend meetings and conferences, train, deprocess, and field vehicles. Travel to the same location on multiple occasions may be necessary. The Contractor may be required to ship training aids to these locations in support of this SOW. The Government will authorize travel expenses consistent with provisions of the Joint Travel Regulation (JTR) and the limitation of funds specified in this contract.

C.5.1.3.10 Material & Equipment

For Material and Equipment required for conduct of TPF that is not otherwise accounted for on the contract, the contractor shall follow the process stated below:

DRAFT

C.5.1.3.10.1 Material and Equipment Purchases with Approved Purchasing System

With a DCMA-Approved Purchasing System, the Contractor will be authorized to purchase up to $5,000 of Material and Equipment without prior PCO approval; however, the Contractor shall receive COR approval in writing prior to purchase. The Contractor shall not purchase any Material and Equipment prior to receiving COR approval. For any purchase of Material and Equipment exceeding $5,000, the Contractor shall submit its competitive purchase results to the PCO, and COR IAW C.5.1.3.10.2 and shall receive PCO approval prior to each purchase. (CDRL C074, Material and Equipment Purchases - Supporting Data)

C.5.1.3.10.2 Material and Equipment Purchases with un-approved Purchasing System
If a Contractor cannot or does not verify that it has a DCMA-Approved Purchasing System, the Contractor shall submit a request to purchase all Material & Equipment purchases exceeding $2,500 to be evaluated by the PCO and COR. The Contractor shall receive PCO approval prior to purchase. When requesting PCO approval, the Contractor shall provide the Government with the following information:

(1) a minimum of three competitive quotes;
(2) the Contractor or source it intends to procure the item(s) from; and
(3) Substantiate or provide adequate rationale explaining why it chose the particular Contractor or source and certify in a statement that competitive quotes were acquired and the lowest quote was selected or provide rationale if the lowest quote was not selected.
If only one or two quotes can be obtained, the Contractor shall provide rationale for not obtaining three quotes and its analysis of why the price is reasonable. The PCO will review and approve these items within seven business days of when the three above pieces of information have been received by the Government. (CDRL C074, Material and Equipment Purchases - Supporting Data)

C.5.1.3.11 Phase Out Period
To minimize any decreases in productivity and to prevent possible negative impacts on additional services, the Contractor shall define a phase-out period as follows:

C.5.1.3.11.1 Phase-out Requirements
Sixty (60) days prior to the completion of this effort (to include option periods), an observation period will occur, at which time management personnel of the incoming "successor" workforce observe operations and performance methods of the incumbent Contractor. This shall allow for orderly turnover of facilities, equipment, and records and help ensure continuity of service. The Contractor shall not defer any requirements for the purpose of avoiding responsibility or of transferring such responsibility to the succeeding Contractor. The Contractor shall fully cooperate with the succeeding Contractor and the Government so as not to interfere with their work or duties.

C.5.1.3.11.2 Phase-Out Plan
The Contractor shall establish and implement plans for an orderly phase-out of the contracted operations at prior to the end of the contract. The Contractor shall submit a Phase-out Plan to the PCO, and COR 180 days prior to the end of the effort. The Contractor's phase-out procedures shall not disrupt or adversely affect the day-to-day conduct of Government business. The Contractor shall provide the Government with copies of changes and revisions to the phase out plan prior to implementation. (CDRL C075, Phase-Out Plan)

C.5.1.3.11.3 Phase-out Transfer of Property Accountability Final Inventory
One month prior to expiration of the effort or upon notification of effort termination, an inventory of all GFP shall be conducted by the Contractor and observed by the Government.

C.5.1.3.11.4 Final Inventory Report
The Contractor shall prepare and submit a detailed final inventory report to be approved by the Government and the Contractor within one week of completing the Final Inventory (reference C.5.1.3.11.3). The inventory shall include the same information called for in the Current Inventory Report (reference CDRL A017, Current Inventory Report). During the final inventory, all GFP shall be jointly inspected by the Government and the Contractor. All discrepancies shall be disclosed by the Contractor and shall be corrected as determined by the PCO. At the completion of the effort, the Contractor shall return all Government property, inclusive of all addition and minus transfers or dispositions. Returned Government property shall be in the same condition as it was when it was originally furnished, less normal wear and tear. (CDRL A013, Current Inventory Report)

C.5.1.3.11.5 Phase Out Meeting
The Contractor shall facilitate a Phase Out meeting within 15 days prior to the end of the TPF effort. The Contractor shall coordinate the details of the meeting with the COR. The meeting will be held at the JPO JLTV in Warren, Michigan or via telecom, Virtual Teleconference, or web Conference. The Contractor shall prepare and present program information to support the meeting and submit said documents to the Government three days prior to the Phase Out meeting. The Contractor shall also submit a record of the phase out meeting three days after the phase out meeting (CDRL A001 Agenda and Read Ahead Package) (CDRL A002, Minutes)

C.5.2 GOVERNMENT FURNISHED ITEMS

It is anticipated that the Government will provide the JLTV FoV, facilities, equipment, utilities, stock shop, and materials to enable the Contractor to perform TPF as outlined in C.5 of the SOW on Government Installations. The Government will provide maintenance bays, office space, classrooms and fuel and lubricant (only fielding site) for all fielding, post fielding efforts, and NET performed by Contractor personnel per this SOW. No permanent facilities or equipment will be provided or paid for by the Government. Facilities mentioned are provided only during the Contractors fielding, post fielding, and NET effort. Government Furnished items will be further

DRAFT

defined during New Material Introductory Briefings (NMIBs) and subsequent fielding meetings.

The Government will provide utilities for facilities. The Contractor shall instruct employees in utilities conservation practices. The Contractor shall be responsible for operating under conditions that preclude the waste of utilities, which include turning off the water faucets or valves after using the required amount to accomplish cleaning vehicles and equipment. The Government will provide Government Furnished Equipment (GFE) including Test Measurement Diagnostic Equipment (TMDE), desks, chairs, office supplies, lighting, At-Platform Test Devices, and heavy lift equipment at sites in support of TPF.

C.5.3 CONTRACTOR FURNISHED ITEMS AND RESPONSIBILITIES

C.5.3.1 General
The Contractor shall provide qualified personnel and items not provided by the Government to perform TPF.

C.5.3.2 Materials and Information
The Contractor shall provide Government approved TSPs for each fielding site to support OPNET and FLMNET training. (CDRL C039, TSP).

5.3.3 Equipment
The Contractor shall provide inspection equipment, test equipment, tools, and personal safety equipment including safety glasses or goggles, safety shoes, hardhats, gloves, hearing protection, and any Contractor furnished equipment required to perform work under this SOW. The Contractor shall provide all personnel and personal safety equipment required to accomplish all deprocessing and fielding missions. Any new material or equipment procured under the contract at the Governments expense will become Government property at the end of the contract.

C.5.3.4Fault Inducement Kits for NET Training
Fault Inducement Kits (Reference C.2.3.3.11) shall be provided to each NET training team for use during Total Package Fielding (TPF).

C.5.4 TOTAL PACKAGE FIELDING TASKS

C.5.4.1 Telecommunications and Automation Support
The Contractor shall provide Telecommunications and Automation Support as described in the subparagraphs below.

C.5.4.1.1 Automated TPF System
The Contractor shall establish telecommunication services with the capability to allow two-way direct line exchange of data including telecommunications, e-mail, facsimile communications, between the Contractors home base, service center, various project and product managers' offices, and JLTV FoV fielding locations worldwide. The Contractor shall ensure security measures exist at the Contractor facility when transmitting information that is classified as other than public information.

C.5.4.1.2 Data Management and Reporting
The Contractor shall collect and report data to support TPF tasks as identified below:

a. Provide equipment transfer documentation DA Form 3161 to the TPF Office, at TACOM (TACOM-LCMC.IPSC MFT-PBUSE@mail.mil) to support Property Book Unit Supply Enhanced System (PBUSE) transactions.

b. Enter data within 24 hours of de-processing and fielding vehicles onto the Record DA Form 3161, Lateral Transfer document from fielded vehicles and transmit data in compatible electronic format, which allows for automated update to TPF Office at TACOM (TACOM-LCMC.IPSC MFT-PBUSE@mail.mil) into PBUSE.

c. Submit written Monthly Performance and Cost Reports, electronically, that address the reporting period activities, funding, and hours expended during the reporting period (previous month), remaining funding and hours, as well as, task execution issues and proposed resolution(s).

d. Develop and maintain a TPF Weapon System Database and shall include a Material Requirement List (MRL), DA Form 5682 to document where principal end items and kits are issued, IAW AR 700-142 and DA PAM 700-142, for each fielding. This database shall include a serial number tracking system capable of tracing all IUID information. This database shall also allow for the data to be easily traced to a receiving unit or support facility that will identify each gaining unit and their support facilities equipment. This database shall be an automated tracking system which contains IUID specific to the principal end item, receiving units Department of Defense Activity Address Code (DODAAC), Unit Identification Code (UIC), handoff date, nomenclature, model number, date of manufacture, and registration number of each major end item and assembly IAW agreed upon format. The Contractor shall have the capability to provide specific information electronically, within 24 hours of a Government request. The Contractor shall deliver this database to the Government at the end of each effort POP in a digital format. The database shall include the following categories of materiel:

1. End Items
2. Special Tools and Test Equipment (STTE)
3. Authorized Stockage List (ASL)

DRAFT

4. Technical Manuals, Publications, and or Interactive Electronic Technical Manuals (IETM)
5. Basic Issue Items (BII)
6. Components of End Item (COEI)
7. Kits to be mounted on or in vehicles, when identified by COR and or Fielding team

e. The Contractor shall maintain and update all information, documents, associated reports, and automated databases, to include all Functional Group Codes per the appropriate TM and IETM on a weekly basis; or if not available, per TB 750-93-1 with all changes relative to the TPF process for the duration of the effort to document and provide data for actions that occurred during the duration of the effort.
(CDRL C076, DA Form 3161 Submittal)
(CDRL C077, TPF Database)
(CDRL A004, Funds and Man-hours Expenditure Report)

C.5.4.1.3 Post Fielding Status Report
The Contractor shall provide a Post Fielding Status Report to the COR, and Fielding Managers within 24 hours of completion of any fielding activity. The report shall include number of vehicles fielded by model, serial numbers, and any outstanding issues IAW CDRL C078, Post Fielding Status Report.

C.5.4.1.4 Materiel Requirement List

The Contractor shall prepare the Materiel Requirement List (MRL) (DA Form 5682) for the JLTV FoV. The Contractor shall generate and submit a call forward for tools and ASL to a supply activity identified by the Government. As the MRL document changes for each fielding during the performance of this effort, the Contractor shall update the MRL and resubmit a call forward for tools and ASL, as required to ensure packages are in agreement with the MRL. (reference CDRL C076, DA Form 3161 Submittal and CDRL C077, TPF Database)

C.5.4.2 Logistics Management

C.5.4.2.1 Fielding Schedule Updates
The Government will furnish electronic updated Fielding Schedule(s), as they become available, to support the fielding effort.

C.5.4.2.2 Meetings
The Contractor shall have a Project Manager and Logistics Manager(s) present at all Weekly Fielding Meetings and New Materiel Introductory Briefings (NMIB), scheduled by the Government. The Contractor shall have detailed data on all ongoing TPF efforts available in a briefing format. The Contractor shall brief attendees on the status of pertinent fielding efforts, receive and respond to questions, and take action to resolve any issues pertaining to this effort that arise during the meetings. (reference CDRL A002, Minutes)

C.5.4.2.3 NMIB Participation
The Contractor shall participate with COR, Fielding Manager, or the designated representative at all NMIBs to address the following items below:

a. Establish a detailed fielding schedule that will support the Governments planned fielding with the Gaining Units.
b. Obtain agreement on what facilities, space, vehicles, trash receptacles, pick-up, removal, and disposition of same equipment, and materials will be provided by the gaining command and those that will be provided by the Contractor as negotiated during the NMIB.
c. Establish a deprocessing, handoff rate, and fielding schedule consistent with facilities and equipment availability.
d. Establish a working relationship for the receipt of end items and other fielding-related materiel through the installation Central Receiving Facilities.
e. Identify Class III POL (Petroleum Oil Lubricant) products and blank forms that will be required to support deprocessing efforts that will be provided by the Government.

C.5.4.2.4 Total Package Fielding Documentation
The Contractor shall provide Post Fielding TPF documents, IAW AR 700-142 and DA PAM 700-142, and related fielding-specific report data for each fielding supported under this effort. The Contractor shall electronically maintain all information and documents required to carry out the TPF process, along with any associated reports or automated historical databases, for the duration of the effort and mutually agreed upon computer application formats and schedules by COR and Contractor. (CDRL C079, Post Fielding TPF Documentation)

C.5.4.2.4.1 Weekly Fielding Reports
The Contractor shall provide Weekly Fielding Reports that summarize worldwide JLTV FoV hand off activities. This information shall be presented at the Weekly Fielding Meetings to report the prior week's accomplishments and future fielding. The weekly reports shall summarize deprocessing, NET, and handoff activities. (CDRL C080, Weekly Fielding Reports)

C.5.4.2.4.2 Joint Inventory Report and TPF After Action Report
The Contractor shall prepare and provide a Joint Inventory Report, DA FORM 5684-R, IAW DA PAM 700-142 for the gaining and fielding commands signature and provide copies to gaining command and the Fielding Manager within 30 days after each fielding.

DRAFT

The Contractor shall provide an After Action Report (AAR) containing shortage annexes of materiel. The Contractor shall close shortage annexes when materiel is issued to the gaining command.
(CDRL C081, Joint Inventory Report)
(CDRL C082, After Action Report)

C.5.4.2.5 Inventory and Deficiencies
The Contractor and Government personnel shall conduct a 100% inventory and inspection of the JLTV FoV and TPF materiel, for count and condition at each fielding site. The Contractor shall report any deficiency or discrepancy within 24 hours IAW CDRL C083 Deficiency Reports, as follows:
a. Product Quality Deficiency Reports (PQDRs) SF368 in the Product Discrepancy Reporting Evaluation Program (PDREP) at http://www.nslcptsmh.csd.disa.mil/pdrep/pdrep.htm and IAW AR 702-7 for quality defects.
b. Transportation Discrepancy Reports (TDRs) for damage due to transportation by completing the DD 361 to document facts and evidence to claims offices (DFAS) for each of the Services, Defense Logistics Agency (DLA), Defense Contract Management Agency (DCMA), and the General Services Administration (GSA) National Customer Service Center to support loss and damage claims against the carrier or Contractor to ensure recovery of Government funds.
c. Supplier Discrepancy Reports (SDRs) by completing the SF 364 IAW AR 735-11-2 for overage, shortage, or incorrect items for end items and TPF materiel -- or an unacceptable National Stock Number (NSN) substitute, identified during the joint inventory and fieldings within 24 hours of discovery.

C.5.4.2.6 Documentation for Audit
The Contractor shall ensure that TPF documentation (reference CDRL C079, Post Fielding TPF Documentation) is available for audit to ensure all required supply actions have been accomplished and signed hand receipts have been received for the materiel. The Contractor shall ensure that a clear and historical audit trail is preserved for all supply actions taken and Government disposition instructions are received.

C.5.4.3 Deprocess and Fielding
The Contractor shall provide Deprocessing and Fielding and Post-Fielding Efforts to Support Mission Requirements and Readiness as described below.

C.5.4.3.1 Deprocessing and Hand-off
The Contractor shall conduct deprocessing and handoff at each fielding, post, installation site, or central staging site designated to support Government fielding schedule (reference Attachment 0050). The Contractor shall execute loading, offloading, movement of end items and perform logistics management support, quality assurance, and all maintenance functions of end items for both fielded and non-fielded JLTV FoVs.

C.5.4.3.1.1 Deprocessing Checklist
The Contractor shall update and provide the deprocessing checklist (Attachment 0034 Deprocessing Checklist) for each Mission Package Configuration to include kits 15 days after the first TPF option is exercised. The Contractor shall use the Government approved deprocessing checklists for all fielding. (CDRL C084, Deprocessing Checklist)

C.5.4.3.2 Reserved

C.5.4.3.3 Management and Movement of Materiel
The Contractor shall manage the movement of all end items at fielding sites, TMDE (to include MSDs and VADs with Inter-connecting Device (ICE)), tools, support packages, parts, supplies, publications, Interactive Electronic Technical Manuals (IETMs), and all other fielding related materiel from source into the deprocessing and fielding sites as mutually agreed upon by the Government and Contractor during the NMIB. The Contractor shall be responsible for all Government Furnished Equipment (GFE) and shall sign for such property on a DA Form 3161 (Request for Issue or Turn-in) or Navy/Marine Corps Equipment Custody Record (ECR), NAVMC 10359 (reference CDRL C079 Post Fielding TPF Documentation). All Government-furnished property provided for short-term use shall be returned to the Government source of issue when no longer required in support of this effort. All items and materiel required for fielding shall be on-site and inventoried prior to every scheduled fielding.

C.5.4.3.4 Contractor Performance at Fielding Site
The Contractor shall have the required personnel present at fielding sites based on the NMIB and the number of vehicles being fielded prior to the first fielding to perform inventories and to prepare vehicles and TMDE for fielding or training. For all non-major fielding sites, the Contractor shall provide the required personnel based on the NMIB and the number of vehicles to be fielded to accomplish inspection, perform inventories and accomplish required repairs prior to the start of training. At each site, the Contractor shall:

a. Deprocess and perform operational checks on end items to be fielded, IAW the Government approved Deprocessing Checklist (Attachment 0034,Deprocessing Checklist) and instructions provided by the COR or PM Representative related to the JLTV FoV.

b. Correct or repair any deficiencies identified during de-processing.

c. Accomplish all necessary service and repairs identified in applicable Maintenance Allocation Charts (MAC) for preventative and

DRAFT

corrective maintenance for Operator through Sustainment Maintenance Levels.

d. Perform maintenance and repair of all training vehicles to include Armor Training Vehicles.

e. Call forwarded for a replacement when deficiencies cannot be corrected by the Contractors TPF team,

f. Inform Government on all deficiencies found (reference CDRL C084, Deprocessing Checklist)

g. Take appropriate action IAW the warranty provisions of the end item efforts and the appropriate Warranty Technical Bulletins. Deprocess, load software, and perform operational checks on the MSD/VADS with ICE and any future generations of this type of equipment.

h. Prepare all paper and electronic documentation to complete fielding and comply with PBUSE requirements as set forth in AR 700-142 and DA PAM 700-142.

i. Conduct a closeout briefing with the respective Force Modernization Office (FMO), Unit POC, and TACOM Logistics Assistance Office (LAO), if available.

j. Install all kits identified and approved by COR.
(reference CDRL C084, Deprocessing Checklist)
(reference CDRL C079, Post Fielding TPF Documentation)

C.5.4.3.5 GFE and Legacy Vehicles
If authorized by the Government, the Contractor shall be responsible for the transfer of material, accountability, and installation of GFE kits removed from Government provided legacy vehicles.

C.5.4.3.6 Electronic Status Reporting
The Contractor shall maintain automated database and be able to electronically report, at any time, the status of all vehicles on hand, numbers and types of vehicles previously handed off by UIC, and the status of unit sets of vehicles to be handed off. (reference CDRL C077, TPF Database)

C.5.4.3.7 Schedule and Component Changes
The Contractor shall make no changes to agreed upon deprocessing and hand-off schedules or changes to the components or items scheduled to be fielded to a unit, without the prior written approval of the COR.

C.5.4.3.8 Reporting of Unserviceable or Damaged Components
The Contractor shall inspect all end items and TPF materiel arriving at the deprocessing and fieldings site and identify all unserviceable or damaged components in the After Action Report (AAR) (reference CDRL C082, After Action Report). The AAR shall include pictures and schematics and line drawings of damage vehicle(s). Repairs above the maintenance functions of the Fielding Team and warranty work shall be reported through the COR or Fielding Manager.

C.5.4.3.9 Property Transfer
At the time of fielding, the Contractor shall formally transfer accountability of all materiel, IAW AR 710-2 and current PBUSE requirements, by obtaining a signed DA Form 3161 (Transfer) from the gaining units Property Book Officer.

C.5.4.3.10 Recovery of Radio Frequency Identification
The Contractor shall recover all Recovery of Radio Frequency Identification (RFID) tags prior to hand off of vehicles to the gaining unit. All RFID tags shall be immediately returned to the production facility for reprogramming and reutilization.

C.5.4.4 New Equipment Training
The Contractor shall provide New Equipment Training (NET) IAW the subparagraphs in this section.

C.5.4.4.1 General Training Requirements
The Contractor shall conduct JLTV training to Government personnel, Contractor personnel, Marine and Soldier operators, mechanics, welders and machinists personnel in support of fielding IAW the NET Plan (Attachment 0035, NET Plan). NET Training shall consist of at least 60 percent of hands-on training. Training support shall consist of training program management, training materials design and development, and training conduct, as described in the following paragraphs. The Contractor shall provide all training materials and conduct all training courses IAW MIL-PRF-29612B, Training Data Products, unless otherwise specified (CDRL C085, Training Products). The Contractor shall use the following as guidance: MIL-HDBK-29612-2 Part 2, Instructional Systems Development (USMC and TR 350-70 series (Army). All Operator, Maintenance, Welder and Machinist training products shall be delivered in Microsoft Office programs that is used by the Government and have the ability to be modified.

The contractor shall perform overall training requirements to include the following:
C.5.4.4.1.1 Operator Training
Capabilities, functions and operation of the system; preventive and corrective maintenance procedures at the organizational level (operator tasks), terrain and obstacle driving, self-vehicle recovery and dedicated vehicle recovery. The training shall include and,

DRAFT

upon completion, enable the trainee student to: operate the system, subsystems, equipment controls, and perform routine preventive maintenance functions. The training shall emphasize hands-on instruction for operator tasks.

C.5.4.4.1.2 Maintenance Training
Capabilities, functions and operation of the system; preventive and corrective maintenance procedures; external diagnostics and other tests; performance of system checks and verification procedures; and measured performance data. The training shall include and, upon completion, enable the trainee student to: operate the system, subsystems, and equipment controls; execute diagnostic tests with TMDE and interpret results; remove and install major components; determine if the system or subsystem is malfunctioning or not; isolate and locate malfunctions to the Line Replaceable Unit (LRU); replace defective LRUs; troubleshoot and repair system and subsystem functions, conduct Limited Technical Inspections. The training shall emphasize hands-on instruction for maintainer tasks.

C.5.4.4.1.3 Welder and Machinist Training
The training shall emphasize hands-on instruction for sustainer tasks and address armor damage inspection, welding repair, thread repair and replacement, and quality assurance testing on welding and machinist actions.

C.5.4.4.2 Program Training Events
The Contractor shall conduct training to support the JLTV FoV per the NET plan (reference Attachment 0035). Training shall be based upon the task and learning requirements for the operator, maintainer and sustainer personnel.

C.5.4.4.3 General NET Requirements
The Contractor shall conduct New Equipment Training (NET) courses at CONUS and OCONUS locations at the designated gaining units identified in the JLTV FoV NET Location Plan (Attachment 0033, New Equipment Training).

C.5.4.4.4 Training Program Management Plan
The Contractor shall prepare a Training Program Management Plan (TMP) in Contractor format which describes the Contractors approach to coordinating training evolutions, tracking instructor locations, equipment and materials of the training deliverables in support for planned training events, potential risk areas, and schedule status. The Government will use the TMP to assess the soundness of the Contractors approach and ability to meet training program milestones and events. This plan shall be updated per CDRL C086, Training Program Management Plan

C.5.4.4.5 Training Manager
The Contractor shall appoint a Training Manager who shall be the single POC for training and courseware development matters. Additionally, the Training Manager shall be responsible for the Program Management, coordination, and implementation of the NET training.

C.5.4.4.6 Instructors
The Contractor shall provide qualified instructors experienced with teaching methods, strategies, and techniques. Instructors shall be proficient with 1) the JLTV FoV for operator, maintainer, and sustainer tasks, all associated tools and support equipment, and 2) the entire training program, respective to the course.

The Contractor shall provide technically qualified and certified instructors on all training and instructional materials related to the Government approved POIs. Instructor certification shall be established by: Army Basic Instructor Course (ABIC), or by a civilian certification program through public or private certification process, or by a documented Contractor certification program, approved by the Government, that requires instructors to (1) present instruction using the conference method (2) present instruction using the demonstration method (3) present instruction using the practical exercise (PE) method.

The Contractor shall evaluate instructor ability to present instructional materials using a performance evaluation checklist (PEC). In order to successfully complete this requirement, instructors must achieve a "GO" on the final PE by presenting a combination of the conference, demonstration, and PE methods of instruction and facilitate an Action After Review (AAR) following another instructor's presentation IAW a Performance Evaluation Checklist (PEC). Upon successful completion of a Government approved Contractor certification program, instructors become certified to teach selected NET POI(s). AR 350-1 (Army Training & Leadership Development) and TR 350-70 series (Training Development) outlines requirements for instructor certifications (reference CDRL C037, Training Program Development and Management Plan).

The Contractor shall fund travel cost, at no cost to the Government, for non-certified instructors to attend the certification training. Any subcontracted training effort shall follow existing Government instructor certification procedures and related protocol for conduct of JLTV training. (CDRL C087, Instructor Certification)

C.5.4.4.7 Instructional Methods
The Contractor shall conduct JLTV FoV system training courses consisting of various instructional methods including lectures, demonstrations, and practical applications. No less than Sixty (60) percent of each course shall be practical application hands-on training. The student-to-instructor ratio shall not exceed 30:1 for lectures, and shall not exceed 5:1 for hands-on training, practical exercises, and practical application. Maximum class size is 30 students; minimum class size is 10 students. All training course shall make maximum usage of the TMs, IETMs, and job aids. Information in the training courses shall not contradict the TMs and IETMs. The training shall not be more than eighty (80) hours in length consisting of ten (10) eight-hour days, and shall be conducted Mondays

DRAFT

through Fridays, beginning at 0800 on the first day. Government approval is required to extend the class length beyond eighty (80) hours. When training is conducted at a non-Government facility, the Contractor shall include as part of the proposal a listing of housing and messing facilities, and transportation available in the area of the training site, unless otherwise required and mutually agreed between the Government and the Contractor. The Government reserves the right to have Government or military training SMEs observe the Contractors conduct of training using USMC NAVMC 1553.2 Observation Checklist (Attachment 0049, Observation Checklist), and will notify the training manager of any discrepancies or recommendations.

C.5.4.4.8 Cleanup of Training Areas
The Contractor shall be responsible for the cleanup of the shop and classroom training area. They shall also be required to return all training sites to original condition. Instructors shall be cognizant of environmental and hazardous material regulations and local policies at the training location; and in the event of an accident or incident involving hazardous materials (HAZMAT) or environmentally sensitive areas, the Contractor instructors shall take appropriate actions to contain the problem immediately and notify proper authorities IAW local environmental and HAZMAT requirements.

C.5.4.4.9 Training Syllabus and Program of Instruction
The Contractor shall provide for each program event and iteration of training, a training syllabus for USMC and Program of Instruction (POI) for the Army and shall be included in the Training Support Package (TSP). The training syllabus and POI shall be IAW MIL-PRF-29612B, Training Data Products for USMC and TR 350-70 series for Army. The training syllabus and POI shall contain course objectives, the daily training schedule, criteria for successful completion, grading procedures, names of instructors and instructor contact information, in case of emergency. A condensed daily training schedule, for each day of the course, will be provided to each student separately from the POI. A class roster shall be provided to the Government on the first day of training, monitored throughout the training course and included in the final class documentation. (CDRL C088, Training Support Package)

C.5.4.4.10 Training Materials Changes
The Contractor shall document training materials changes to be incorporated into the Training Support Packages (reference CDRL C088, Training Support Packages). These changes shall be based upon comments received in the course critiques and mutually agreed between the Government and the Contractor based upon training requirements documented in the Government-approved Instructional Performance Requirements Document (reference CDRL C043, Training Task Data). The Contractor shall provide the Government with Training Materials Change data for the course within ten (10) working days after completion of each training course. (CDRL C089, Training Materials Change Data)

C.5.4.4.11 Class Room Set-Up
The Contractor shall provide all required training equipment and materials when training is at Government or military facilities. The Contractor shall be responsible to provide all Student and Instructor training guides, view graphs, slides and multi-media materials necessary to provide a complete course of instruction.

C.5.4.4.12 Start of Class
The Contractor shall be responsible for ensuring instructors are on-site 30 minutes prior to start of class. The Contractor shall verify with the unit or organization point of contact to ensure all training aids, equipment, training materials, classrooms, and all items required to conduct the training are on-hand prior to start of class. If the required training materials, equipment, or facilities are not available, the Contractor shall notify the COR and NET Manager. The COR and NET Manager will notify the Contractor on the decided course of action to be taken to rectify the situation or problem.

C.5.4.4.13 Course Completion Certificate
The Contractor shall provide each student with a course completion certificate, in Government approved Contractor format that states the type and location of training, number of hours, student name, completion date, and will be signed by the lead Contractor instructor or NET Manager at the conclusion of each NET class. The Government will review the certificate template and provide corrections, if required. (CDRL C090, Course Completion Certificate)

C.5.4.4.14 Class Demographic Data
The Contractor shall record and provide to the Government the class demographic data for each JLTV training course. The data elements are type and location of training, a student roster containing student name, rank, Military Occupational Specialty (MOS), unit and location, telephone and DSN numbers, and names of instructors. The class roster shall be provided to the Government on the first day of training, monitored throughout the training course and included in the final class documentation. (CDRL C091, Course Completion Data)

C.5.4.4.15 Training After Instruction Report or an After Action Review
The Contractor shall administer an After Instruction Report (AIR) for USMC or an After Action Review (AAR) for Army to the students at the end of each course iteration using Attachment 0082 (After Instruction Report or an After Action Review.). Content of the AIR and AAR will be tailored to the specific course taught and submitted to the Government for review (reference CDRL C088, Training Support Package). The purpose for this data collection is to provide both the Contractor and Government the areas of the training that may need changes implemented. (CDRL C092, After Instruction Report, After Action Report, and End or Course Survey)

C.5.4.4.16 Lesson Plans
The Contractor shall utilize the Government approved Lesson Plans (reference CDRL C045, Lesson Plans) in support of NET.

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C.5.4.4.17 Instructors Guides
The Contractor shall utilize developed Instructors Guide (IG) (reference CDRL C046, Instructor Guides) that includes slide presentations for the instructor to utilize while conducting the training and can be used as part of the Training Support Package (TSP). The IG shall include all the information located in the lesson plans, plus the information in the visual aids.

C.5.4.4.18 Student Guides
The Contractor shall utilize Government approved Student Guide (reference CDRL C047, Student Guides).

C.5.4.4.19 Training Test Package
The Contractor shall utilize the Government approved Training Test Package (CDRL C048, Training Test Package) which shall include two written examination versions and one set of performance tests for the examination of an individual's knowledge, skills, abilities, and achievement of terminal and enabling learning objectives based upon the Learning Analysis Report (reference CDRL C044). Written test items shall be a mix of multiple choice, fill-in-the-blank questions, labeling, matching and short answer based on the learning domain of the learning objective. Test packages shall include a minimum of three (3) test items for each learning objective. Written test shall contain no more than 50 questions and no less than 25 questions. The performance tests shall be developed to evaluate the students ability to perform specific operator or maintainer task and subtasks. Performance tests shall be in checklist format and have rubrics for grading performance. Instructions to the evaluator and student shall be contained in both evaluator and student copies. Version control and integrity of the tests shall be the responsibility of the Contractor.

C.5.4.4.20 Job Aids
The Contractor shall utilize the Government approved Job Aids (reference CDRL C049, Job Aids). Job Aids are considered a facet of the Training Support Package.

C.5.4.4.21 Equipment Check
Instructors shall check all equipment used as training aids prior to and after training to ensure it meets 10/20 standards, IAW DA 700-142. If the equipment does not meet 10/20 standards, the instructors shall notify the NET Manager of the problem(s) found. Instructors shall perform PMCS before and after operation of the equipment, ensure that all defective equipment and components are reported to the NET Manager, and repairs are accomplished IAW 10/20 standards. If extended training is performed at any given Command, training vehicles shall be returned to the de-processing site after accumulating no more than 400 miles and exchanged for another training vehicle(s.) This process shall be repeated until training is completed or no other training assets are available from the de-processing site.

C.5.4.4.22 Conduct of Trainers
New Equipment Training Team Instructors shall be helpful, timely, and professional in providing JLTV Training and in dealing with students, unit commanders, fellow instructors, and personnel of the NET Group. The Training Manager shall:

a) For the Army, contact the TACOM LCMC Logistics Assistance Office (LAO) at the installation, if available.
b) For USMC, contact the Marine Expeditionary Force (MEF) Motor Transport Officer or Chief at the installation, if available
c) Meet the POC or the sponsor of the course upon arriving at the training site.
d) When the Contractor is required to deprocess equipment before training takes place, the Contractor shall make arrangements with coordination and approval of the COR, NET Manger for its instructors to be at the training site 30 minutes to prepare the equipment and set up the training.

C.5.4.4.23 Training Consumables
The Contractor shall be responsible for maintaining and providing an adequate supply of training consumables to perform all hands-on training tasks. Consumables, such as seals and gaskets, shall be used conservatively and only be replaced at the end of each training effort.

C.5.4.4.24 Training Supplies and Materials
The Contractor shall reproduce all training materials, including audiovisual aids, technical manuals and Interactive Electronic Technical Manuals (IETMs) required supporting training (CDRL C085, Training Products). The Contractor shall ensure that the Government NET Manager is kept informed of quantities of training support materials required to ensure an adequate supply is kept on hand to meet the training schedule. Master copies of all training material will be provided to the Government. The Contractors instructors shall ensure that all students in attendance receive a copy of training materials.

C.5.5 PHYSICAL SECURITY PLAN
The Contractor shall establish, and implement, a Physical Security Plan. The Contractor shall be subject to unannounced physical security inspections by the COR, PCO or other designated US Government Representative. The plan shall outline procedures to provide internal safeguards for the security of all GFP and all property to include access keys in the possession of the Contractor for the performance of required services. Additionally, the Contractor's plan shall detail how it intends on handling the security of the facilities to include leased building(s).

C.5.6 SAFETY PLAN
The Contractor shall comply with applicable Government health and safety regulations. The Contractor shall prepare, and maintain, a Safety Plan for the efficient, effective, and safe operation of the Contractor operated maintenance facilities.

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*** END OF NARRATIVE C0001 ***

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SECTION D - PACKAGING AND MARKING

	Regulatory Cite	Title	Date
D-1	52.211-4517 (TACOM)	PACKAGING REQUIREMENTS (COMMERCIAL)	DEC/2007

(a) The preservation, packing, and marking requirements for this contract/order shall be accomplished in accordance with the performance requirements defined herein. The following Packaging requirements shall apply:

LEVEL OF PRESERVATION: Commercial

LEVEL OF PACKING: Commercial

QUANTITY PER UNIT PACKAGE: 001

(1) Packaging: Preservation, packaging, packing, unitization and marking furnished by the supplier shall provide protection for a minimum of one year and meet or exceed the following requirements. It also provides for multiple handling, redistribution and shipment by any mode.

(2) Cleanliness: Items shall be free of dirt and other contaminants which would contribute to the deterioration of the item or which would require cleaning by the customer prior to use. Coatings and preservatives applied to the item for protection are not considered contaminants.

(3) Preservation: Items susceptible to corrosion or deterioration shall be provided protection by means of preservative coatings, volatile corrosion inhibitors, desiccants, waterproof and/or watervaporproof barriers.

(4) Cushioning: Items requiring protection from physical and mechanical damage (e.g. fragile, sensitive, material critical) or which could cause physical damage to other items, shall be protected by wrapping, cushioning, pack compartmentalization, or other means to mitigate shock and vibration to prevent damage during handing and shipment.

(b) Unit Package: A unit package shall be so designed and constructed that it will contain the contents with no damage to the item(s), and with minimal damage to the unit pack during shipment and storage in the shipping container, and will allow subsequent handling. The outermost component of a unit package shall be a container such as a sealed bag, carton or box. Unit packs shall be designed to conserve weight and cube while retaining the protection required and enhancing standardization.

(c) Unit Package Quantity: Unless otherwise specified, the unit package quantity shall be one each part, set, assembly, kit, etc.

(d) Intermediate Package: Intermediate packaging is required whenever one or more of the following conditions exists:

(1) The quantity is over one (1) gross of the same national stock number,
(2) Use enhances handling and inventorying,
(3) The exterior surfaces of the unit pack is a bag of any type, regardless of size,
(4) The unit pack is less than 64 cubic inches,
(5) The weight of the unit pack is under five (5) pounds and no dimension is over twelve (12) inches.

Intermediate containers shall be limited to a maximum of 100 unit packs, a net load of 40 pounds, or a maximum volume of 1.5 cubic feet, whichever occurs first.

(e) Packing:

(1) Unit packages and intermediate packages not meeting the requirements for a shipping container shall be packed in shipping containers. All shipping containers shall be the most cost effective and shall be of minimum cube to contain and protect the items.

(2) Shipping Containers: The shipping container (including any necessary blocking, bracing, cushioning, or waterproofing) shall comply with the regulations of the carrier used and shall provide safe delivery to the destination at the lowest tariff cost. The shipping container shall be capable of multiple handling, stacking at least ten feet high, and storage under favorable conditions (such as enclosed facilities) for a minimum of one year.

(f) Unitization: Shipments of identical items going to the same destination shall be palletized if they have a total cubic displacement of 50 cubic feet or more unless skids or other forklift handling features are included on the containers. Pallet loads must be stable, and to the greatest extent possible, provide a level top for ease of stacking. A palletized load shall be of a size to allow for placement of two loads high and wide in a conveyance. The weight capacity of the pallet must be adequate for the load. The preferred pallet is a 40 x 48 inch, 4-way entry pallet although variations may be permitted as dictated by the characteristics of the items being unitized. The load shall be contained in a manner that will permit safe handling during shipment and storage.

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(g) Marking:

(1) All unit packages, intermediate packs, exterior shipping containers, and, as applicable, unitized loads shall be marked in accordance with MIL-STD-129, Revision P, Change Notice 4, dated 19 Sep 2007, including bar coding and Military Shipment Label (MSL). The contractor is responsible for application of special markings as discussed in the Military Standard regardless of whether specified in the contract/order or not. Special markings include, but are not limited to, Shelf-life markings, structural markings, and transportation special handling markings. The marking of pilferable and sensitive materiel will not identify the nature of the materiel. Passive RFID tagging is required in all contracts that contain DFARS clause 252.211-7006. Contractors must check the solicitation and/or contract for this clause. For details and most recent information, see http://www.acq.osd.mil/log/rfid/index.htm for the current DoD Suppliers Passive RFID Information Guide and Supplier Implementation Plan. If the item has Unique Item Identifier (UII) markings then the concatenated UII needs to be 2D bar coded and applied on the unit package, intermediate and exterior containers, and the palletized unit load.

(h) Hazardous Materials (As applicable):

(1) Hazardous Materials is defined as a substance or waste which has been determined by the Secretary of Transportation to be capable of posing an unreasonable risk to health, safety, and property when transported in commerce and which has been so designated. (This includes all items listed as hazardous in Titles 29, 40 and 49 CFR and other applicable modal regulations effective at the time of shipment.)

(2) Packaging and marking for hazardous material shall comply with the requirements herein for the mode of transport and the applicable performance packaging contained in the following documents:

- International Air Transport Association (IATA) Dangerous Goods Regulations
- International Maritime Dangerous Goods Code (IMDG)
- Code of Federal Regulations (CFR) Title 29, Title 40 and Title 49
- Joint Service Regulation AFJMAN24-204(I)/TM38-250/NAVSUPPUB 505/MCO P4030.19(I)/DLAM 4145.3(I) (for military air shipments).

(3) If the shipment originates from outside the continental United States, the shipment shall be prepared in accordance with the United Nations Recommendations on the Transport of Dangerous Goods in a manner acceptable to the Competent Authority of the nation of origin and in accordance with regulations of all applicable carriers.

(4) A Product Material Safety Data Sheets (MSDS) is required to be included with every unit pack and intermediate container and shall be included with the packing list inside the sealed pouch attached to the outside of the package.

(i) Heat Treatment and Marking of Wood Packaging Materials: Boxes/pallets and any wood used as inner packaging made of non-manufactured wood shall be heat-treated. All WPM shall be constructed from heat treated (treated to 56 degrees Celsius -core temperature- for 30 minutes) lumber and certified by an accredited agency accredited by the ALSC in accordance with Wood Packaging Material Policy and Wood Packaging Material Enforcement Regulations (see URL: http://www.alsc.org). The box/pallet manufacturer and the manufacturer of wood used as inner packaging shall ensure traceability to the original source of heat treatment. Marking: Each box/pallet shall be marked to show the conformance to the International Plant Protection Convention Standard. The quality mark shall be placed on both ends of the outer packaging, between the end cleats or end battens. Pallet markings shall be applied to the stringer or block on diagonally opposite sides and ends of the pallet and be contrasting and clearly visible. All dunnage used in configuring and/or securing the load shall also comply with ISPM-15 and be marked with an ALSC approved dunnage stamp, marked at two foot intervals (in the case of dunnage shorter than 2 feet, each piece must still have the mark present). Foreign manufacturers shall have the heat treatment and marking of non-manufactured wood products verified in accordance with their National Plant Protection Organizations compliance program.

(j) Quality Assurance: The contractor is responsible for establishing a quality system. Full consideration to examinations, inspections, and tests will be given to ensure the acceptability of the commercial package.

(k) SUPPLEMENTAL INSTRUCTIONS: N/A

[End of Clause]

D.1 PRESERVATION, PACKING AND MARKING

D.1.1 JLTV Systems/End Items
The Contractor shall preserve and package JLTV Systems/end items in accordance with the contract and the requirements defined herein. All items deliverable under this contract shall be packaged and packed in accordance with 52.211-4517 and MIL-STD-129.

D.1.1.1 Software, Technical Data, and Reports
The Contractor shall preserve and package required software, technical data and reports delivered under this contract to deter theft and assure safe arrival to the destination without damage to contents. All software, technical data, and reports, shall be identified by

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the prime contract number, name and address of the prime contractor, and where applicable, the name and address of the subcontractor generating the data.

D.1.1.2 Consumable items, Training Aids, System Support Packages (SSP) and Special Tools
Consumable items, Training Aids, System Support Packages (SSP) and Special Tools scheduled for shipment shall be preserved and packaged by the Contractor to provide physical and mechanical protection, multiple handling, and shipment within the military distribution system. Packaging shall accommodate placement into storage for a period of one (1) year in an enclosed environmentally controlled facility and shall still be suitable for redistribution without additional repackaging.

D.1.2 Spare/Repair Parts
The Contractor shall preserve and package spare and repair parts in accordance with the Government approved packaging data generated and submitted by the Contractor (CDRL C027 SPI and CDRL C026 LPD Coded Data Products Packaging). Spare/Repair parts for JLTV Systems for data has yet to be developed and that is not categorized with a SMR code beginning with P shall be preserved and packed in accordance with clause 52.211-4517, Packaging Requirements (Commercial).

*** END OF NARRATIVE D0001 ***

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SECTION E - INSPECTION AND ACCEPTANCE

	Regulatory Cite	Title	Date
E-1	52.246-2	INSPECTION OF SUPPLIES--FIXED-PRICE	AUG/1996
E-2	52.246-3	INSPECTION OF SUPPLIES--COST-REIMBURSEMENT	MAY/2001
E-3	52.246-4	INSPECTION OF SERVICES--FIXED-PRICE	AUG/1996
E-4	52.246-5	INSPECTION OF SERVICES--COST-REIMBURSEMENT	APR/1984
E-5	52.246-16	RESPONSIBILITY FOR SUPPLIES	APR/1984
E-6	52.246-11	HIGHER-LEVEL CONTRACT QUALITY REQUIREMENT	FEB/1999

The Contractor shall comply with the higher-level quality standard selected below. [If more than one standard is listed, the offeror shall indicate its selection by checking the appropriate block.]

Title	Number	Date	Tailoring
Quality Management Systems -- Particular requirements for the application of ISO 9001:2008 for automotive production and relevant service part organizations	ISO/TS-16949:2009	2009-06-15 (Third Edition)	None

(End of Clause)

E-7	52.242-4013 (TACOM)	BALLISTIC TESTING	OCT/2008

(a) In addition to inspection requirements set forth in applicable drawings and/or specifications, the specification(s) indicated below shall apply to this contract:

12472301: TACOM GCVWC ALUMINUM
12479550: TACOM GCVWC STEEL
ATPD 2352: PURCHASE DESCRIPTION TRANSPARENT ARMOR
MIL-DTL-46063H: ARMOR PLATE, ALUMINUM ALLOY
MIL-DTL-46027K: ARMOR PLATE, ALUMINUM ALLOY, WELDABLE
MIL-A-46100D: ARMOR PLATE, STEEL, WROUGHT, HIGH HARDNESS
MIL-A-12560H: ARMOR PLATE, STEEL, WROUGHT, HOMOGENEOUS

(b) The above specifications require Ballistic Testing unless specifically waived by drawing or other contractual document. Prior to production and during production, if required by specification, the quantity of test samples required by any of the above specifications shall be accompanied by test data required by individual specification. The test data shall include:

(1) Declared chemical analysis and chemical analysis results representing material for test (if required by specification).

(2) Mechanical Properties Test Results (if required by specification).

(3) Charpy Impact Test results representing material for test (if required by specification).

(4) Brinnel or Rockwell hardness test results representing material for test (if hardness values are required by specification).

(5) Radiographic Inspection Record to include data required by ASTM E1742, including marking and acceptance requirement. (If Radiographic Inspection is required by the specification.)

(6) Stress Corrosion Resistance Test results required by paragraph 3.4 of MIL-DTL-46063 and paragraph 3.5 of MIL-DTL-46027 (if required by the contract or specification).

(c) In addition to the requirements in paragraph (b), test plates related to qualification of weld procedure or weld repair procedure shall be accompanied by data to include information required by format of specification and shall also identify position of welding. (If Ballistic Qualification of Weld Procedure is required by specification). Unless otherwise specified by the applicable drawing/specification, or contractual clause, a minimum of one ballistic test specimen shall be prepared for each material thickness, joint design, configuration and weld procedure.

(d) Items to be tested shall be marked to include all marking requirements of the individual specification. Further, Identify P/N(s) which the test item represents.

(e) The Contractor may use its own form to supply required data specified in paragraphs (b) and (c) above. The data shall accompany test samples and shall be forwarded to:

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Commander
US Army Aberdeen Test Center
400 Colleran Rd.
Bldg 358 (ext 3-4938)
ATTN: TEDT-AT-SLV (D. Gessleman)
Armor Acceptance-B690
APG, MD 21005-5059

IMPORTANT: Contractor must obtain approval from PCO prior to shipping test samples to APG. ALSO, the contractor shall clearly mark the Developmental Test Command Project Number on the outside of the shipping container. *

*The Developmental Test Command Project Number will be provided by the PCO after the supplier notifies the PCO of the approximate shipping date of the ballistic test samples.

(f) One copy of the required data (see paragraph (e)), not to include test samples, shall be forwarded to the U.S. Army Tank-automotive and Armaments Command, ATTN: AMSRD-TAR-E/AMSRD-TAR-R, Warren, MI 48397-5000. Data shall be verified for accuracy by Government Representatives (QAR) at the Contractor's facility.

(g) In order for the Procuring Activity to obtain ballistic test funds in a timely manner, the contractor shall adhere to the following: At least 60 days prior to shipment of ballistic test samples, the Contractor shall furnish written notification to the U.S. Army Tank-automotive and Armaments Command, ATTN: AMSRD-TAR-E/AMSRD-TAR-R, Warren, Michigan 48397-5000, with a copy furnished to the Administrative Contracting Officer advising of the approximate shipment date. This information shall include:

(1) Prime Contractor:
(2) Prime Contract Number:
(3) Material Specification:
(4) Number of Test Samples:
(5) Heat Numbers:
(6) Sample Weight:
(7) Sample Dimensions:
(8) Steel/Aluminum/Composite Manufacturer
(9) Part Number

[End of Clause]

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E-8	52.211-4017 (TACOM)	REQUIREMENTS FOR PRETREATMENTS AND CHEMICAL AGENT RESISTANT COATINGS LOCAL WARREN - PAINTED MATERIEL	MAR/2014

(a) Scope
(1) This clause applies to contracts requiring Chemical Conversion Coatings and Pretreatments for Metallic Substrates, Chemical Agent Resistant Coating (CARC), and their related materials. The requirements in this clause clarify and supplement those in the contract, unless nullified elsewhere in the contract or through an approved Request for Deviation.
(2) Coating qualification, spot paint repair, and MIL-DTL-16232 Phosphate Coating, Heavy, Manganese or Zinc Base coatings are not within the scope of this clause.
(b) Definitions
(1) The contracting agency, appropriate agency, procuring authority, engineering authority, procuring agency, and procuring activity is the PCO or designee.
(2) The prime contractor is the company awarded this contract, and the subcontractors comprise all companies involved in providing coated parts to the prime contractor, including companies that apply the coatings.
(c) General Requirements Clarifications
(1) The government retains the right for onsite verification of the prime contractors and its subcontractors products, processes, procedures, and test reports.
(2) The prime contractor shall be responsible for itself and its subcontractors to produce and maintain detailed process control plans, process control data, pre-production approval testing, ongoing quality control & quality control testing, and test reports. This information shall be available upon government request.
(3) The prime contractor shall immediately notify the PCO and the Defense Contract Management Agency (DCMA) of any failure to meet preproduction and production requirements.
(4) Each cleaning method shall be treated as a separate step in the process documentation.
(5) The Gage Repeatability and Reproducibility (Gage R&R) error shall be less than 30 percent for all process and product measurement systems.
(6) Products with hexavalent chromium, including but not limited to certain fastener finishes, shall not be used. Additionally, CARC topcoats containing siliceous additives to control gloss are prohibited.

(7) CARC primer and CARC topcoat shall not be applied directly to bare metal or plastic, except as provided for in MIL-DTL-53072.
(8) If the contract specifies application of CARC materials over a non-CARC coating, then both CARC primer and CARC topcoat are required. The complete coating system shall meet the requirements for CARC defined in TT-C-490.
(9) Neutral salt spray (NSS) testing shall not be used to validate compliance with materiel life cycle requirements; NSS is a production quality test and does not predict field performance.

(d) Pre-Production Approval Clarifications
(1) Pre-production testing shall include:
(i) Thickness of each layer of the coating system;
(ii) Coating system adhesion;
(iii) Salt spray performance; and
(iv) For phosphate pretreatments, the phosphate coating weight, crystal size and shape, and scanning electron microscope photos of the phosphate coatings at 500x and 1000x magnification.
(2) Pre-production test samples shall be from the material used for production parts, pieces cut from production representative parts, or production representative parts. Standardized test coupons shall not be used.
(3) Nine samples shall be produced for the required testing and shall include: three cleaned and pretreated test samples, three samples with the complete paint system and, depending on the CARC paint system, either three samples with pretreatment plus primer or three samples with metal-rich primer plus primer.
(4) One or more ISO 17025 laboratories shall conduct pre-production testing on the nine test samples in accordance with (IAW) the applicable test method accreditations. The applicable ISO 17025 test method accreditations include ASTM B117 Salt Spray, ASTM B244 Thickness of Non-Conductive Coatings on Non-Magnetic Metals, ASTM B487 Measurement of Metal and Oxide Coating Thickness, ASTM B499 Thickness of Non-Conductive Coatings on Magnetic Metals, and ASTM D3359 Measuring Adhesion by Tape Test.
(5) Unless required elsewhere in the contract and specifications, the CARC coating system applied to hot and cold rolled steel shall meet a minimum of 336 hours neutral salt spray resistance IAW ASTM B117.
(6) Test procedures shall be submitted IAW the Contract Data Requirements List (CDRL) DI-NDTI-80603 documenting Pretreatment and Chemical Agent Resistant Coating procedures when this CDRL is included in the contract.
(7) Test reports from the ISO 17025 accredited labs shall be submitted for Pretreatment and Chemical Agent Resistant Coating testing specified in paragraph (d)(4) of this clause IAW the Contract Data Requirements List (CDRL) DI-NDTI-80809 when this CDRL is included in the contract.

(e) Production Testing Clarifications
(1) At a minimum, ongoing production quality tests shall conducted and recorded daily for coating adhesion and coating thickness, and monthly for salt spray testing. Use of ISO accredited laboratories is optional for these ongoing tests of production parts.
(2) Production parts or pieces cut from production parts shall be used for ongoing production quality testing. Standardized test coupons shall not be used.
(3) Unless specified elsewhere in the contract and specifications, the CARC coating system applied to hot and cold rolled steel shall meet a minimum of 336 hours neutral salt spray resistance IAW ASTM B117.

(End of Clause)

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E-9 52.246-4028 (TACOM) INSPECTION AND ACCEPTANCE POINTS: ORIGIN NOV/2005

The Government's inspection and acceptance of the supplies offered under this contract/purchase order shall take place at ORIGIN. Offeror must specify below the exact name, address, and CAGE of the facility where supplies to be furnished under this contract/purchase order will be available for inspection/acceptance.

INSPECTION POINT:
(Name) (CAGE)

(Address) (City) (State) Zip)

ACCEPTANCE POINT:
(Name) (CAGE)

(Address) (City) (State) (Zip)

[End of Clause]

JLTV LRIP/FRP SECTION E

E.1 QUALITY ASSURANCE

E.1.1 QUALITY ASSURANCE PROGRAM REQUIREMENTS. The Contractor shall develop, implement, and maintain a quality system acceptable to the Government for all supplies and services to be provided under this contract. At the time of contract award, the Contractor shall be at a minimum third party certified to ISO 9001:2008 Quality Management Systems Requirements by an International Automotive Oversight Board (IAOB) registrar and shall be compliant to ISO/TS16949:2009, Quality Management Systems, Particular Requirements for the Application of ISO9001:2008 for Automotive Production and Relevant Service Part Organizations. In the event that the Contractor has not been certified by an IAOB registrar to ISO/TS16949:2009 at the time of contract award, the Contractor shall achieve certification no later than three years after contract award and maintain that certification throughout performance of the contract. If contractor fails to achieve ISO/TS16949:2009 certification in three years the Government will cease acceptance of vehicles until contractor is certified. The Contractors Quality System requirements shall apply at the place of vehicle in-process and final assembly, presentation, and inspection. The quality system shall address all software and hardware contractual requirements. The quality system and manual shall follow the guidelines within ISO 9004:2009. The quality manual shall be updated as required and delivered to the Government IAW CDRL E001 Quality Manual. For the purposes of interpreting ISO9001:2008 and ISO/TS16949:2009 requirements of this contract, "the customer" shall correspond to the Government, and "the organization" shall correspond to the contractor.

E.1.2 QUALITY MANAGEMENT.

E.1.2.1 PRIME CONTRACTOR MANAGEMENT SYSTEM. The prime Contractor shall document and verify their review and acceptance of the subcontractors quality assurance system including control plans. Documentation shall be made available for review upon Government request. The Prime Contractor shall use the subcontractor's accepted system when conducting quality audits. The Government reserves the right to perform quality audits at the prime contractors and subcontractors facilities.

E.1.3 CONTROL PLANS. The contractor shall develop and maintain process control plans that ensure compliance with the requirements in this contract (reference CDRL B023 ECP, CDRL D008 FACAR, and CDRL E009 PQDR). The plans must involve the entire production system as well as any STS and prototype work. Specific operations in the manufacture of the JLTV products must be identified that are used to ensure conformance to the requirements. The Control Plans shall include outputs from the Process FMEA. Special or key characteristics, whether identified by the customer (for example Key Product Parameters) or the contractor, must be used in the development of the control points. They must also include specific response plans when any undesirable measurement results are obtained. The response plans, in conjunction with the inspection/test frequency shall ensure that zero suspect material leaves the contractors facility in the event of a nonconforming measurement. The control plans shall be treated as a living document and shall always reflect the current process. Control plans shall be controlled documents and retained for the life of the contract.

E.1.4 SUPPLIER QUALITY ASSURANCE PROGRAM. The Contractor shall have a supplier quality assurance program that requires certification to ISO9001:2008, as a minimum, for each supplier. The Contractors supplier quality assurance program shall assure each supplier has a documented quality system which includes development, implementation, and maintenance of quality procedures, work instructions, flow charts, and records for all products as a minimum. The Contractors supplier quality assurance plan shall be submitted as part of the quality manual (Reference CDRL E001, Quality Manual). Waivers for exceptions to the requirement of this paragraph shall be requested through the PCO.

E.1.5 SUBCONTRACTORS QUALITY DOCUMENTATION. At a minimum, the Prime Contractor's documentation and acceptance of the sub-contractor quality assurance system and any quality procedures, work instructions, flow charts, and records shall be made available upon Government request. If determined to be acceptable, the Prime Contractor shall use the supplier's accepted system when conducting quality audits. The Government reserves the right to perform quality audits at the prime contractor and suppliers facilities.

E.1.6 ACCESS TO SUPPLIERS. The Government reserves the right to interface with and visit all suppliers and sub-suppliers of the prime contractor when a representative of the prime contractor is in attendance.

E.1.7 GOVERNMENT QUALITY AUDITS. The Government will monitor the contractor's performance using QA procedures established for the Contractor in the Quality Assurance Program Requirements section (E.1.1) of the contract. This may involve quality audits (process audits, manufacturing audits, product audits) as required. The Contractor shall provide provisions of required documentation, product, personnel, or other resources to conduct the audits to the Government during such audits. Government audits of sub-suppliers, if required, will be conducted with the prime Contractor.

E.1.8 MANUFACTURING PROCESS AUDITS. The Contractor shall participate in all Government Manufacturing Process Audits (MPA). MPAs will consist of review of Contractor manufacturing processes, including process layout, manufacturing documentation, material and information flow, tooling, and any other aspects of the process that may affect quality of the finished product. MPAs will be conducted quarterly as a single day event.

E.1.9 QUALITY MANAGEMENT SYSTEM AUDITS. The Contractor shall support all Government Quality Management System Audits (QMSAs). QMSAs will consist of review of Contractor processes as contained in the Contractors QMS (Reference CDRL E001, Quality Manual). Such audits may involve accompanying the Contractor to a sub-supplier location to conduct audit activities.

E.2 FIRST ARTICLE TESTING REQUIREMENTS

E.2.1 FIRST ARTICLE REQUIREMENTS. The first article requirements under this contract consist of successful completion of the following three items:

DRAFT

a. Component First Article Tests (CFAT) (Contractor performed, reference Section E.2.1.1). b. First Production Vehicle Inspection (FPVI) (Contractor performed, reference Section E.2.1.3). c. Production Qualification Test (PQT) (Government performed, reference Section C.2.4.2.1).

E.2.1.1 FIRST ARTICLE APPROVAL. First Article Test (FAT) approval will be conducted in accordance with FAR 52.209-3 Alternate II or FAR 52.209-4 Alternate II and additional requirements defined in Sections C and E.

E.2.1.2 COMPONENT FIRST ARTICLE TESTING (SEE ALSO SECTION ON Production Part Approval Process (PPAP)). The Government reserves the right to be present at any test event. The Contractor shall notify the Government at a minimum of 20 days prior to conducting a test. Failure to notify the Government within the time limit may, at the Governments discretion, be grounds to reject the test. Where a system is referenced, the Contractor is responsible for conducting the test at the component part level; for example, Steering System requires component level testing of the steering pump, steering gear, steering column, steering wheel, steering shaft, steering assist cylinder, and damper shock, as a minimum. The test shall include a dimensional inspection that validates the component meets the product drawing requirements. The approved CFAT procedures (CDRL E002, CFAT PLAN) shall become the baseline test requirements of the Quality Assurance Provisions. During the Physical Configuration Audit, a complete review of Quality Assurance Provisions and associated requirements will be performed. Component First Article Tests shall evaluate performance, durability, and environmental tests. Component First Article test shall be representative of items to be manufactured using the same process, facilities and procedures as will be used for contract production. The Contractor is responsible for all CFATs and notifying the Government of components requiring CFAT. Delays in contract schedule as a result of the Contractor's failure to identify the CFAT components requiring first article test will be the responsibility of the Contractor. The component First Article shall be inspected and tested to all requirements of the drawing(s), and specification(s) and successfully complete CFATs. All CFATs to support FAT approval shall be completed no later than 29 months after contract award. CFAT approval is obtained after Government approval of the CFAT report. CFAT shall be performed on the items specified in the list below.

(1) Engine
(2) Transmission
(3) Transfer Case
(4) Alternators/Generators
(5) Steering System
(6) Vehicular Frame
(7) Cargo Bed
(8) Hydraulics
(9) Air, Hydraulic Oil, and Fuel Tanks/Reservoirs
(10) Fire Suppression System
(11) Propeller Shaft
(12) Powertrain Cooling System (Radiator, Charge Air Cooler, Transmission Cooler, etc)
(13) HVAC System (Heater, Evaporator, Blower, Condenser, Compressor, etc)
(14) Brake System
(15) Pressure Release Valve(s)
(16) Wheels
(17) Electronic Control Modules
(18) Electrical Wiring System
(19) Control Stations/Instrument Panel/Gauges
(20) Suspension System (Springs, Shocks, Axles, Wheel Ends, etc)
(21) Tires
(22) Starter
(23) Air Cleaner
(24) Cab
(25) Winches
(26) Transparent Armor
(27) Opaque Armor

E.2.1.2.1 NUMBER OF COMPONENTS REQUIRED. The contractor shall perform CFAT testing on a minimum of two component units for the items specified in E.2.1.2.

E.2.1.2.2 COMPONENT FIRST ARTICLE TEST PLAN. The Contractor shall prepare and submit the CFAT plan to the Government for approval prior to the beginning of any CFAT. The Government will have the right to monitor all CFATs. The Contractor shall provide a list and time schedule of CFATs as part of this plan, including anticipated completion dates. (CDRL E002, CFAT Plan)

E.2.1.2.3 CFAT REPORT. The Contractor shall submit all CFAT Report(s) to the Government for approval after the completion of each CFAT. (CDRL E003, CFAT Report)

E.2.1.2.3.1 CONDITIONAL ACCEPTANCE OF VEHICLES PENDING CFAT COMPLETION. The Government, at its sole discretion, may conditionally accept vehicles at any time; at no time is the Government required to conditionally accept vehicles, prior to the completion of the CFAT

DRAFT

requirements. The Contractor can use components in the manufacture of JLTV vehicle production, pending successful completion of the CFAT for that component provided:
a. The Contractor agrees to successfully complete all of the CFAT tests.
b. The Contractor shall rectify all deficiencies/discrepancies in each component that are identified during CFAT testing, regardless of the location of each component at no additional cost to the Government and
c.In the event that there is a CFAT failure during the period of time that the Contractor is authorized to use components, then the Government reserves its right to:
(1) Not accept, or cease acceptance, whether conditional or final acceptance of vehicles and
(2) Require the Contractor to repeat all, or a portion of, the applicable testing at the Contractor's expense

E.2.1.2.4 DISAPPROVAL If a CFAT is disapproved, the Contractor shall repeat the CFAT. After such repeat testing, the Contractor shall make any necessary changes, modifications or repairs to the First Article or select another First Article for testing. All costs related to these tests shall be borne by the Contractor, including any and all costs for additional tests following disapproval. (Reference CDRL E003 , CFAT Report)

E.2.1.2.5 CHANGES. If changes are made by the contractor to the technical data, production processes, facilities, and/or type of material, a subsequent CFAT may be required by the Government. When any of the above conditions occur, the Contractor shall notify the PCO/ACO. Costs of CFATs resulting from Contractor proposed technical data changes, production process change or material substitution shall be borne by the Contractor.

E.2.1.2.6 MANUFACTURE. The Component First Article offered for test(s) must be manufactured at the facilities in which that item(s) is to be produced. If the First Article is a component not manufactured by the Contractor, the component must be manufactured at the same facilities in which the component is to be produced for the contract. The Contractor shall certify that the Component First Article will be produced at the same facility as the unit tested. In the event CFAT reveals deviations from contract requirements, the Contractor shall, at the location designated by the Government, make the required changes to the items, or replace all the items manufactured under this contract, at no change in contract price.

E.2.1.2.7 CFAT SAMPLES. The First Article sample shall be taken from within the first 10 component units produced for this contract unless otherwise approved by the Government. In the event that the first 10 component units are not available, the Government reserves the right to select the CFAT quantity from any lot.

E.2.1.2.8 SUBCOMPONENT FIRST ARTICLE CONDITIONS. Subcomponent First Article Test requirements may be met during the performance of the First Article Test of a higher assembly, only if the required characteristics can be tested. If any characteristic of the subcomponent is not or cannot be tested during the higher assembly testing, the subcomponent shall be tested separately.

E.2.1.2.9 APPLICABILITY OF PREVIOUSLY APPROVED CFATs. The CFAT requirement is considered to be met if the Contractor certifies that (1) the supplier has component First Article Approval on the identical part delivered for use in a previous vehicle production contract with the Government (this information shall be present in the CFAT Plan (CDRL E002) and (2) the supplier has been a continuous supplier of the part (for purposes of this requirement, a continuous supplier is defined as one which has not had a break in production in excess of six months, and the design and manufacturing/assembly process or place of manufacture have not been changed). If military/federal specifications are applicable to the component and changes to these documents have been implemented which may impact form, fit, function or performance, a new Component First Article Test shall be required . Further, if degradation of performance of the component is evident, as determined by the Government, a new Component First Article Test will be required.

E.2.1.3 FIRST PRODUCTION VEHICLE INSPECTION

E.2.1.3.1 FPVI NOTIFICATION. The Government shall be notified that the Contractor is ready to perform a FPVI. The Contractor shall send written notification to the Administrative Contracting Officer (ACO) and Contracting Officer Representative (COR) at least 14 calendar days prior to the start of the FPVI. The written notification shall include the location, date, and time of the FPVI.

E.2.1.3.2 FIRST PRODUCTION VEHICLE INSPECTION.

The Government will inspect two vehicles of each JLTV configuration (one vehicle with B-Kit installed and one without B-Kit installed) to complete FPVI. The contractor shall present the 8 FPVI vehicles one month prior to the contract delivery date, and shall submit the first trailer produced for FPBI one month prior to its contractually required delivery date. During FPVI the vehicles will be audited against the JLTV Purchase Description (Attachment 0001) for performance specified therein. The Government reserves the right to defer testing to a Government test facility if the performance requirement cannot be demonstrated at the contractor facility. At the time of the FPVI the Contractor shall make available to the Government representative(s) all the reports of prior inspections, tests, vendor quality requirements, Qualified Product List (QPL) documentation, drawings, material and component certifications. (CDRL E004, FPVI Report)

E.2.1.3.3 FPVI FAILURE. If the FPVI vehicles are disapproved by the Government, the Contractor may be required, at the discretion of the Government, to repeat any or all of the FPVI at no additional cost to the Government. After notification of the required additional inspections, the Contractor shall make any necessary changes, modifications, or repairs to the first production vehicle and any subsequent (and prior) vehicles at no additional cost to the Government. The Government has the discretion to select another production

DRAFT

vehicle for FPVI in lieu of the original first production vehicle. Upon completion of additional FPVI inspections, the Contractor shall again submit the inspection report. The Contractor shall bear the responsibility of delays resulting from additional inspections. All discrepancies found during FPVI shall be corrected on all vehicles produced before and after the FPVI, to include the FPVI vehicles.

E.2.1.3.4 INSPECTIONS PRIOR TO FPVI. During fabrication of the first production vehicle(s) of each variant type, in-process inspections shall be conducted to determine conformance of materials and workmanship to specified requirements. These inspections shall be made at the contractor's or subcontractor's facilities, prior to the application of primer and paint. Processing and welding procedures, quality system, inspection records, calibration procedures, non-destructive test procedures, material certification, and welder certifications will be reviewed as a minimum and evaluated during the in-process inspection.

E.2.1.3.5 FPVI SELECTION The contractor shall inspect and road test each item selected at the place of manufacture. The first production vehicle shall be inspected and documented by the contractor and the actual values will be recording using the contractor format and shall include, as a minimum, the inspections located in the approved FIR. The Government reserves the right to witness and/or participate in the contractor's inspections and road tests.

E.2.1.3.6 FPVI REPORT. The Contractor shall prepare and deliver a FPVI report upon completion of FPVI which documents the inspection records, vehicle performance, and all material and component certifications (CDRL E004, FPVI Report).

E.2.1.3.7 FPVI APPROVAL. Final approval and acceptance by the Government, of the FPVI for a specific model, will be withheld until a final determination has been made regarding conformity of the vehicle to contractual requirements, including but not limited to workmanship and materials.

E.2.1.3.8 FPVI RE-INSPECTION. Any defect discovered during the FPVI process shall be repaired, inspected, and certified by the contractor prior to presenting the vehicle to the government for re-inspection and approval. As a minimum, the FPVI shall have blocks for the contractor's inspector's initials indicating that each characteristic or function was inspected and either accepted or rejected, and another block for re-inspection and acceptance of any rejected characteristic or function. Final review and acceptability shall be indicated by a signature block containing the full name and title of the company official rendering approval.

E.3 QUALITY CONFORMANCE INSPECTION (QCI)

E.3.1 ONE HUNDRED PERCENT (100%) FINAL INSPECTION. Each vehicle produced shall be subjected to a complete final inspection by the contractor, as described in this paragraph and its subsections, utilizing a Contractor proposed, Government approved Final Inspection Record (FIR) (reference CDRL E008, FIR). Verification and inspection of torque, dimensions, routings of hoses and electrical harnesses, and characteristics that are masked by subsequent assembly operations shall be accomplished during in-process assembly and inspection operation. In-process defect prevention techniques shall be implemented to the maximum extent possible to prevent the occurrence of defects during FIR activities. A complete copy of the in-process inspection records and FIR shall be submitted to the Government with each vehicle offered for acceptance. Each vehicle shall be inspected by the contractor for the characteristics/defects listed in E.3.1.4, E.3.1.5, and the FIR. If a characteristic is found defective the contractor is responsible to provide corrective action, and perform re-inspection prior to offering the vehicle to the Government for final acceptance. The contractor is also responsible for performing functional/operational checks on all systems identified in E.3.1.6. The requirements specified in this paragraph and the subparagraphs herein apply to all vehicles regardless of whether Final Inspection by Sampling (section E.3.2) has been implemented or not.

E.3.1.1 DYNAMOMETER TEST. Each vehicle shall be operated on the roller type dynamometer fixture for a minimum 3 miles and checked for proper operation of the transmission. All transmission selections shall be demonstrated during the track test defined below. The vehicle shall be run from a stop through maximum governed speed. The vehicle shall be checked for reverse operation. Before, during, and after the dynamometer test, all vehicle equipped instrumentation shall be monitored for proper operations and readings. Upon completion, a printout from the dynamometer which displays the as-tested and recorded values from the test shall be provided with each vehicle upon presentation to the Government. The vehicle shall be stopped and engine idled for not less than 2 minutes after vehicle roller run. While idling, the vehicle shall be subjected to a walk-around inspection. Transmission, engine oil, radiator fluid, power steering fluid, and hydraulic brake fluid (if equipped) levels shall be checked and adjusted if necessary before track test.

E.3.1.2 TRACK AND ROUTE (T/R) TEST. Subsequent to examinations and corrections of deficiencies found during Dynamometer Test (section E.3.1.1), each vehicle shall be operated for a minimum of 12 miles on a relatively level, hard surfaced test T/R. The test T/R shall be capable of allowing the test vehicles to operate at a minimum of 55 mph. During the T/R test, the contractor shall verify that the vehicle successfully shifts through all forward transmission shift points. The T/R test shall also include speeds up to maximum governed speed. As an option, operation at maximum governed speed may be performed and demonstrated during the dynamometer test. The vehicle shall be operated to verify that the transmission transfer case operates properly. The vehicle shall also be driven in reverse for a distance of not less than 50 feet. At the completion of accumulated miles, the vehicle shall be stopped and the engine allowed to idle for not less than 5 minutes. At this time a contractor performed walk-around inspection shall be performed.

E.3.1.3 EXAMINATION OR TEST FAILURE. If any vehicle fails to pass any examinations or tests specified in the contract, the Government may withhold acceptance until the contractor provides evidence that corrective action has been made.

DRAFT

E.3.1.4 MAJOR DEFECTS. Any defects which could impact safety, or that will likely result in decreased vehicle performance, mission failure, reduced operational capability, or result in a loss of function to any major component or sub-system (i.e. engine, transmission, steering, hydraulics, brakes, heater, etc.), are considered major defects. For the purposes of inspection of major defects, the following definitions of leaks apply: Class I - Seepage of fluid (as indicated by wetness or discoloration) not great enough to form drops; Class II - Leakage of fluid great enough to form drops but not enough to cause drops to drip from item being inspected; Class III - Leakage of fluid great enough to form drops that fall from the item being inspected. Examples of major defects are as follows:
(a) Steering mechanism: malfunction, unusual noise, malfunction of pump, gear or other major component resulting in loss or degradation of steering function, or condition that could result in same (i.e. loose pitman arm), Class III leak. Assessed by visual/functional inspections.
(b) Engine: malfunction resulting in loss of power, stalling, failure to start, or Class III leak, loss of oil pressure, improper installation, loose or missing engine mounting hardware, unusual noise. Assessed by visual and functional inspections.
(c) Transmission: malfunction, unusual noise, improper shifting, Class III leak. Assessed by visual and functional inspections.
(d) Drivetrain: Transfer case assembly, propeller shafts, half shafts: malfunction, improper clearance, Class III fluid leaks, improper installation. Assessed by visual/functional inspections.
(e) Cooling system and component(s): (i.e. radiator, surge tank, water pump): malfunction, Class III fluid leaks, vehicle overheating. Assessed by visual/functional inspections.
(f) Vehicle Electrical Charging System and components: malfunction, voltage within +/- 10% of nominal. Assessed by visual/functional inspections.
(g) Service, parking brakes: malfunction, inability to hold vehicle on required slope, unusual noise, pulling to one-side greater than 24 inches, air leaks exceeding system pressure drop of 3 psi/min with engine stopped (if applicable), Class I, II, or III brake fluid leaks (if applicable). Assessed by visual/functional inspections.
(h) Tires: damage, improper assembly. Assessed by visual inspection.
(i) Fuel tanks and system: welding defects, leakage (Class I, II or III), cracked tank mounting brackets, cracked fuel/water separator, cleanliness (water in the fuel/water separator is acceptable). Assessed by visual/functional inspections.
(j) Exhaust system: damage, exhaust leaks that could result in unsafe condition, excessive noise, and improper installation. Assessed by visual/functional inspections.
(k) Suspension system: malfunction, improper installation. Assessed by visual/functional inspections.
(l) Winch and wire rope: malfunction, improper size, damage. Assessed by visual/functional inspections.
(m) Instrumentation/gauges/switches: malfunction, location, functional damage. Assessed by visual/functional inspections.
(n) Weld defects: Defects in structural or ballistic welds. Assessed by visual/weld gauge inspections.
(o) HVAC system: malfunction of heater or A/C unit (if installed). Assessed by visual/functional inspections.
(p) Cab structures and B-Kit Armor fit-up. Assessed by visual/functional inspections.
(q) Missing parts.
(r) Seats and seat belts: malfunction, improper mounting/installation, damage. Assessed by visual/functional inspections.
(s) All other defects not specifically listed, but which fall into the major category, based on the definition of a major defect as described above. Assessed by visual/functional inspections.

E.3.1.5 MINOR DEFECTS. Any defects which may result in an inconvenience to the operator or crew, require maintenance or repair at the next convenient stop in operations, are cosmetic in nature but readily visible, exhibit obvious departures from normal and accepted manufacturing practices (example: chaffing, loose or missing hardware, easily visible paint defects on class A surfaces, etc.), but which would not likely result in an immediate concern for safety, mission failure, diminished vehicle capability or operational readiness or require immediate maintenance for continued vehicle operation, should be considered minor defects. For the purposes of inspection of minor defects, the following definitions of leaks apply: Class I - Seepage of fluid (as indicated by wetness or discoloration) not great enough to form drops; Class II - Leakage of fluid great enough to form drops but not enough to cause drops to drip from item being inspected; Class III - Leakage of fluid great enough to form drops that fall from the item being inspected. Examples of minor defects are as follows:
(a) Fluids: low or improper fill. Assessed by visual inspections.
(b) Lubricants: Component damage from improper lubrication or no lubrication present. Assessed by visual inspection.
(c) Controls/handles/knobs: malfunction, adjustments, loose, missing, or damaged. Assessed by visual/functional inspections.
(d) Steering system: components not falling within the major category: hoses misrouted, loose hardware, class II leaks, chaffing. Assessed by visual/functional inspections.
(e) Central Tire Inflation System (CTIS): malfunction, improper installation, leaks. Assessed by visual/functional inspections.
(f) Pulleys and fans: misalignment, improper clearance. Assessed by visual inspections.
(g) Engine components and subsystems that fall within the minor defect category: loose hardware, cables/wires, improperly adjusted, class II leaks, misalignment, improper clearance. Assessed by visual/functional inspections.
(h) Transmission and related components: brackets, hoses, lines that need adjusting, class II leaks, dipstick or sampling valve issues, loose bolts. Assessed by visual/functional inspections.
(i) Coolant system components not falling into the major defect category: improper coolant mixture, hoses, lines need adjusting, chaffing. Assessed by visual inspections.
(j) Lubrication System Components (engine): Damage, Class 2 fluid leaks, cleanliness. Assessed by visual/functional inspections.
(k) Drive train: Issues falling within the minor defect category, inoperative grease fittings, class II differential leaks, vent hoses misrouted/kinked. Assessed by visual inspections.
(l) Body, doors, access covers, tie-downs, lifting points: improper fit, defective welds, inadequate sealing. Assessed by visual/functional inspections.

DRAFT

(m) Paint application defects: improper color, improperly applied camouflage pattern, coverage, cosmetic defects, stage 1 corrosion. Assessed by visual/functional inspections.
(n) Lube fittings: defective, missing, improperly installed. Assessed by visual/functional inspections.
(o) Bolts/nuts/washers/keepers/or other non-critical miscellaneous hardware: defective, loose, missing or damaged. Assessed by visual/functional (i.e. torque wrench) inspections.
(p) Cushions/Seats and Belts: improper fit, tears, or rot, seat belt adjustment and locking. Assessed by visual/functional inspections.

(q) Decals, marking, data and instruction plates: incomplete data, missing, improper location or size. Assessed by visual/functional inspections.
(r) Batteries/Battery Cover/Battery Tray: malfunction, cracks, improper installation, operation. Assessed by visual/functional inspections.
(s) Radio Brackets/Connectors: improper installation. Assessed by visual/functional inspections.
(t) Lights: improper installation, cracked lenses, malfunction. Assessed by visual/functional inspections.
(u) Air compressor/pneumatics: improper installation, malfunction, low pressure, and leaks. Assessed by visual/functional inspections.
(v) Windows: cracked glass, improper installation, leaks. Assessed by visual/functional inspections.
(w) Vehicle Lifting and Tie-down devices: improper fit, loose hardware. Assessed by visual inspections.
(x) Parking Brake: minor air leaks (if applicable) not effecting vehicle braking and can be corrected with minimal effort (i.e. tightening a fitting), hose routing, chaffing. Assessed by visual/functional inspections.
(y) Windshield Wiper System: Inoperative, wiper arms, wiper blades, wiper arm parking location (to be within 5 degrees of normal parking location). Assessed by visual/functional inspections.
(z) ABS system, minor: ABS indicator light illuminated, malfunction correctable by adjusting or resetting wheel sensor, connector, or clearing history codes. Assessed by visual/functional inspections.
(aa) Wire or tubing: defective, improper assembly or installation, improper protection, kinks, improper identification. Assessed by visual inspections.
(bb) Weld Defects (Minor): Defects on non-structural or ballistic welds. Assessed by visual/weld gauge inspections
(cc) All other components/characteristics not listed in the minor defects section of this table, but which fall into the minor defect category based on the definition of a minor defect as described above. Assessed by visual/functional inspections.
(dd) Workmanship Defects: All workmanship deficiencies that have no effect on function, safety, interchangeability, life, vehicle performance or jeopardize mission capability but considered departures from good workmanship. Examples of such deficiencies may include, but are not limited to, foot and or finger prints, trash or debris left over from the manufacturing process, cable wraps not trimmed, rivet stubs and or washers not removed from under the floor mats, etc. Assessed by visual inspections.

E.3.1.6 Functional and Operational Checks. As applicable, the functional and operational tests referenced below, shall be conducted on all vehicles as a part of QCI. All tests shall be clearly identified in the FIR (reference CDRL E008, Final Inspection Record). In addition, any Critical Safety Item that requires a functional check prior to delivery to ensure proper operation shall also be tested as a part of QCI.

(a) Service Brake Test. Service brakes shall be tested for proper function and operation. The ABS system shall also be checked to ensure proper functionality, and that the vehicle is free from excessive pulling to the left or right of more than 24" during panic braking. Tests shall be conducted on a dry, hard, approximately level, road surface that is free from loose material. Testing shall be conducted without the aid of engine or transmission retarders, if applicable.
(b) Parking Brake Test. The parking brake system shall be tested for its ability to hold the vehicle stationary. This may be accomplished by demonstration utilizing the required grade or another method submitted to the Government for review and approval as a part of the FIR.
(c) Glad Hands Test. The glad hands shall be checked for presence, location, function, and marking and shall not leak.
(d) Engine Air Induction System Check. All hoses and filters shall be checked for proper position and contamination. System intakes shall be checked for proper installation to prevent entrance of foreign matter during normal vehicle operation, including fording.
(e) Exhaust System Certification/Check. The vehicle shall be checked for proper installation of exhaust system components to preclude exhaust leaks and heat damage.
(f) Transmission Check. The automatic transmission shall be checked for proper installation and smooth operation/shifting in all gears including reverse. The transmission shall be checked for proper installation, oil leaks, and excessive heat during vehicle operation.
(g) Transfer Case Check. The transfer case shall be checked for proper operation/shifting in all gears including reverse. In addition, the transfer case shall be checked for proper installation, oil leaks, and excessive heat during vehicle operation.
(h) Transparent Armor Leak Check. The transparent seals shall not allow water leakage in excess of Class 1 leak allowance when exposed to an evenly distributed spray of water from a supply source IAW MIL-STD-810G, Method 506.5, para 4.4.3 Procedure II for not less than 3 minutes each. If any of the seals fail to meet this requirement, the contractor and his supplier shall be responsible for providing corrective action to correct the fault of the deficiency. An alternative method may be used by the contractor with Government approval.
(i) Windshield Wiper and Washers Test. The windshield, windshield washer and wipers shall be checked for proper location, installation, assembly and operation of washer and wipers.
(j) HVAC Test. The HVAC system shall be tested for motor operation, flow of hot/cold air, proper installation, condition and location of hoses.
(k) Controls and Operating Mechanisms Check. The vehicle control system and illumination shall be checked for compliance with the specified standards and proper operation of the intended/designed system.
(l) Lighting System Test. The vehicle lighting system shall be checked for proper operation and installation of the lights and equipment specified.

DRAFT

(m) Instrument Check. All vehicle instruments and gauges shall be checked for proper function, operation, and compliance with the requirements specified.
(n) Vehicle Winch. If equipped, the winch shall be checked for proper assembly, installation, length of cable, cable type, and shall be tested by a functional check to ensure the winch and electrical systems are operating as designed. The contractor shall assure that the winch cable is properly wound, free of corrosion, bird nesting, twist, kinks and other defects caused by an improperly spooled cable.
(o) Horn Check. The vehicle horn shall be checked for proper operation and mounting.
(p) Cab Water Resistance Test. For water resistance control testing, the cab window, windshield and door seals shall each be exposed to an evenly distributed spray of water from a supply source IAW MIL-STD-810G, Method 506.5, para 4.4.3 Procedure II (Watertightness) for not less than 3 minutes each. The contractor may utilize an equivalent alternate method for the water resistance control test with Government approval. Each seal shall not allow any water leakage past the seal in excess of Class 1 leak allowance.

E.3.1.7 WELDING INSPECTION. All welds shall be visually inspected per Attachment 0059, Welding Standards. Alternate Weld Standards may be utilized by the Contractor if submitted to and approved by the Government. For the purpose of this contract, weld quality and workmanship shall be verified by qualified inspectors trained to perform the specific functions they are assigned. Acceptable training may be based on a) current or previous certification as an AWS Certified Welding Inspector, b) current or previous verification by the Canadian Welding Bureau (CWB) or c) an Engineer or technician by formal training or experience, or both, in metals fabrication, inspection and testing, who is competent in the use of weld inspection techniques and equipment. Welds will be checked, at a minimum, prior to and at the completion of testing. Welds not easily viewed in the completed product may be inspected prior to or during the assembly process.

E.3.2 FINAL GOVERNMENT INSPECTION OF PRODUCTION VEHICLES BY SAMPLING. . The Government reserves the right to conduct final Government inspection of vehicles on a sampling basis. Should the Government elect to begin inspection by sampling, the requirements of this section will apply.

E.3.2.1 UNCLASSIFIED (WORKMANSHIP) DEFECTS. All workmanship deficiencies that have no effect on function, safety, interchangeability, life, vehicle performance or jeopardize mission capability but considered departures from good workmanship, will be documented in writing but will not be used in determining lot acceptance, unless similar deficiencies occur on five consecutive lots. Examples of such deficiencies may include, but are not limited to, foot and or finger prints, trash or debris left over from the manufacturing process, cable wraps not trimmed, rivet stubs and or washers not removed from under the floor mats, etc. All workmanship deficiencies shall be corrected by the contractor prior to shipment.

E.3.2.1.1 RECURRING UNCLASSIFIED (WORKMANSHIP) DEFECTS. Workmanship defects (section E.3.2.1) falling within these types of categories, and recurring in five consecutive lots, will be documented in the FIR as a minor defect and remain there until the contractor passes five consecutive lots without recurrence of such deficiencies.
E.3.2.2 MAJOR DEFECT. The definitions of a major defect found in section E.3.1.4 also applies to inspection by sampling.

E.3.2.2.1 RECURRING MAJOR DEFECTS. A major defect (section E.3.1.4) is recurring when the same defect occurs more than once in the same sample, or when a similar defect occurs in two successive samples. A major defect may be considered recurring when the historical inspection records ("P" chart or Government approved equivalent) reflect such a condition. Recurring major defects shall be cause for the entire lot, or lots, to be inspected for the recurring defects. All defects shall be corrected by the contractor at no additional cost to the Government prior to acceptance by the Government.

E.3.2.3 MINOR DEFECT. The definitions of a minor defect found in section E.3.1.5 also applies to inspection by sampling.
E.3.2.3.1 RECURRING MINOR DEFECTS. A minor defect (section E.3.1.5) is recurring if the same defect occurs in four successive samples. Recurring minor defects shall be cause for the entire lot or lots to be inspected for the recurring defects, and correction shall be accomplished prior to acceptance by the Government.

E.3.2.4 SAMPLING INSPECTION FAILURES. If any vehicle fails to pass any inspection as a result of conditions specified in E.3.1.4/E.3.2.2, E.3.1.5/E.3.2.3 or the required tests as specified in E.3.1.6, the Government reserves the right to withhold acceptance of all vehicles in the lot until the contractor provides evidence that corrective action has been taken to correct all documented defects and the conditions that caused those defects. On the failure of a lot to pass sampling inspection, the contractor shall revert to 100% inspection, as defined in E.3.1, until evidence the Government deems satisfactory has been provided by the contractor.

E.3.3 QUALITY CONFORMANCE INSPECTION FOR KITS. The Contractor is responsible for performing complete inspections on 100% of all kits (including count, condition, and configuration) using the approved FIR. The government, at its option, may elect to witness and/or participate in the Contractors final inspection. The Government may also elect to have the applicable kit installed on its appropriate end item. The general definitions of major and minor defects found in Sections E.3.1.4 and E.3.1.5 also apply to kits where applicable.

E.4 CONTROL TEST. The Contractor shall conduct control tests for maintaining control of manufacturing operations as specified below. The formal validation of the requirements will be performed by the Government. The Government reserves the right to be present at the control tests.

E.4.1 FREQUENCY. The Government will select one vehicle at random for control test every two weeks of vehicle production. The Government reserves the right to change the frequency of the control test based on program risk.

DRAFT

E.4.2 50 MILE TEST. The Contractor shall conduct 50 mile tests. The test vehicles shall be fully equipped with either actual or simulated payload and operated for a distance of not less than 50 miles on the relative level, hard-surfaced test track/route. Prior to conducting the control tests, the test vehicle shall be subjected to the Quality Conformance Inspection as depicted in E.3.1. The control test shall be performed at the place of manufacture. Prior to the Contractor conducting the 50-mile control test, each control test vehicle shall be inspected to ascertain conformance to the requirements as referenced in Section E.3.1.

E.4.3 PERFORMANCE TESTS. The Contractor shall conduct the following Performance tests:
(a) Grade climbing and holding (braking) capability.
(b) Side slope capability.
(c) Maximum speed capability.
(d) CTIS performance (e.g. tire pressures, time to change modes)
(e) Winch performance measurement (if equipped)
(f) GFE functionality (if applicable)
(g) Suspension functionality (e.g. function, capability to achieve proper height, time to achieve height settings)
Tests shall be conducted at full payload unless otherwise specified by the Government. These performance tests shall be performed to provide assurance to the Government that the vehicle is capable of achieving the performance requirements listed in the purchase description (Attachment 0001).

E.4.4 CONTROL TEST FAILURE. If the vehicle selected fails to pass any of the control test requirements stated within this section, the Government reserves the right to stop acceptance inspection and testing on subsequent vehicles until such time the condition(s) causing the failure has been investigated for cause and has been corrected. Any major defects found during, or as a result of the control test, shall be prima facie evidence that vehicles accepted subsequent to the previously acceptable control tests were similarly defective, until the Government is furnished evidence by the contractor that they are not similarly deficient. Minor defects found during or as a result of the control test shall not result in immediate stoppage of acceptance unless four or more minor defects are documented on one control test vehicle. Such defects on all vehicles shall be corrected by the contractor at no cost to the Government. Another vehicle with corrective actions implemented may be subject to the control test to verify effectiveness of corrective actions.

E.5 TEST FAILURES.

E.5.1 FAILURE DEFINITION. A failure is defined as the condition of not achieving the desired end/requirement, i.e. an event, or state, in which a system or a component does not perform as specified in the JLTV Purchase Description (Attachment 0001).

E.5.2 DEFICIENCY DEFINITION. A deficiency is defined as a condition that lacks an essential quality or element and may be used synonymously as a failure.

E.5.3 RETEST. In the event of a vehicle/component test failure, the Government reserves the right to retest the vehicle/component upon correction of the failure by the Contractor to the complete extent and duration specified in the test program, or to the extent as the PCO shall consider appropriate. The Contractor shall be responsible for delays in the program test period resulting from vehicle/component failures and for failing to adequately or timely furnish parts support. The Government reserves the right to extend the specified program test period accordingly at no increase in contract price.

E.5.3.1 Destructive Retest
In the event of a destructive test failure for the destructive test series specified in the Vehicle Failure Replacement Matrix (Attachment 0052) the contractor shall resolve the deficiency at no cost to the Government. Proof of compliance to the PD requires the vendor to pass all tests in a particular series. In the case where a vendor has failed, a single test in a series of events (such as underbody mine testing) regardless that the previous tests in the series may have passed, whether they be ballistic coupon, ballistic cab or FUSL, the vendor will be responsible for resupplying the entire series of test samples, at their expense, in order to perform the re-test, and not only the hardware item that had failed (reference Attachment 0052: Vehicle Failure Replacement Matrix). In this event, the vendor may provide either a new or refurbished vehicle which has been rebuilt to the production standard and shall be provided at the contractor's expense along with reimbursing the Government for any associated additional Government test costs.
E.5.4 CORRECTION OF TEST FAILURES. The Contractor, when directed by the Government, shall correct on-site any failure of the system, which occurs during testing. Delays caused by defective test items shall not be a basis for adjustment of the contract delivery schedule or the contract price.

E.5.5 FAT DEFICIENCIES. Deficiencies found during or as a result of First Article Testing, shall be prima-facie evidence that all vehicles/components already produced prior to completion of First Article are similarly deficient. Such deficiencies on all vehicles/components shall be corrected by the Contractor at no additional cost to the Government

E.6 CERTIFICATION REQUIREMENTS.
The Contractor shall provide copies of Certifications for all specified Certifications requirements IAW the Purchase Description (Attachment 0001). (CDRL E005, Certification Requirements).
The Contractor shall provide a separate data submission to support Government Analysis for each specified Analysis requirement IAW the JLTV Purchase Description (Attachment 0001). (CDRL E006, Analysis Requirements).

DRAFT

E.6.1 MATERIAL CERTIFICATION. When a material certification is required during routine audits, it shall include a copy of the material analysis and a statement of certification. All material purchased shall include a copy of the purchase order for review.

E.6.2 TEST CERTIFICATION. When a test certification is required during routine audits, it shall include the following information as substantiation:
a. Drawing number.
b. Specification title, number and edition.
c. Grade or type for which the product was tested.
d. Number of specimens tested.
e. Requirements and actual results obtained.
f. Purchase orders for subcontracted products.
g. Statement of Certification
Subcontracting does not relieve the contractor of providing the above information as part of the certification.

E.6.3 COMPLIANCE CERTIFICATION. When a compliance certification is required during routine audits, it shall be provided, to the specific contract requirements, with a statement indicating that the contractor complies.

E.6.4 RECERTIFICATION. The contractor shall provide a new certification whenever a change is made:
a. In the process used to produce a certified product.
b. In the requirement for a standard of a certified product.
c. In the supplier of a certified product.
d. In the event of a new contract/rebuy.

E.7 CHANGES IN SUPPLIERS. If the contractor elects to change sources of supply after approval of the First Production Vehicle Inspection (FPVI), the Government shall be notified. In the event of a deficiency detected on the new suppliers product based on poor workmanship or a non-conformance, the Government reserves the right to require the contractor to conduct additional tests/examinations as it deems necessary. All costs associated with additional tests/examinations shall be the contractor's responsibility. Any production or delivery delays caused by retesting will not be considered an "excusable delay" under FAR 52.249-14. Further, such delays shall not form the basis for an upward adjustment in contract price or an extension to the delivery schedules.

E.8 COMMERCIAL TEST RESULTS. Substituting Commercial Test Results for Required Contract Tests is permissible with PCO approval.

E.9 WELDING REQUIREMENTS.

E.9.1 WELDING. All Welding documentation shall be available to the Government and discussed at IPT meetings as well as major reviews IAW the IMP (reference Attachment 0002, IMP).

E.9.2 WELDING PROCEDURES. The Contractor shall develop and deliver Weld Repair Procedures and Welding Procedure Specifications (WPS), and Procedure Qualification Records (PQRs in accordance with welding standard(s) as specified in Attachment 0059, Welding Standards. The Contractor and sub-contractors shall follow the appropriate welding standard(s) scope to qualify the welding and weld repair procedures. The Contractor and sub contractors shall prepare weld samples and test the weld procedure for qualification in accordance with the appropriate standard(s). Changes to the Weld Repair Procedures and WPS, or PQR that requires requalification, shall be resubmitted as part of the CDRL. The use of pre-qualified weld joints as specified in American Welding Society (AWS) D1.1 does not preclude submittal of welding procedures (CDRL E007, Welding Data Acquisition)

E.9.2.1 ARMOR WELDING DESIGN. Prior to manufacturing, the Contractor shall develop welding procedures for all ballistic weldments in accordance with the Ground Combat Vehicle Welding Code for Steel and the Ground Combat Vehicle Welding Code for Aluminum as applicable. All base materials used for ballistic weldments shall be qualified under the applicable MIL-DTL to be qualified as armor.

E.9.2.2 STRUCTURAL WELDING DESIGN. Non-armor and structural welding design shall be performed by the Contractor and will ensure that all metallic weldments meet the welding design and fabrication requirements in the prescribed standards listed herein or a PCO approved equivalent. The use of pre-qualified weld joints as specified in AWS D1.1 does not preclude submittal of welding procedures.

E.9.3 PREVIOUSLY QUALIFIED PROCEDURES. Welding procedures that have been previously qualified under another DoD contract for a Contractor or sub-contractor to meet the requirements of other standards, specifications, codes or earlier versions of the standard(s) listed in Attachment 0059, Welding Standards may be used by the Contractor or sub-contractor to support a Weld Procedure Specification (WPS) under this contract. The Contractor shall submit a written request to the Contracting Officer for approval prior to prototyping or build. All essential variables specified in the applicable welding standard(s) shall be included on the Procedure Qualification Record(s) (PQRs). The following requirements shall be met and documentation shall be provided:

a. The weld procedure was qualified by destructive testing and approved on a previous DOD contract and the essential variables are within the tolerance as specified in the applicable welding standard(s) for the current contract.
b. The Contractor has certified welders and equipment to the qualified procedures in accordance with the applicable welding standard(s) in this SOW.

DRAFT

c. There was no break in production for more than six months at the facility where the procedures were used.
d. A favorable quality history with regards to weld quality on the previous contract where the procedures were used. CDRL E007, Welding Data Acquisition

E.9.4 WELD REPAIR PROCEDURES. When a repair is required the Contractor shall provide written repair procedure(s) identifying proper technique and approach to correct defective products. The Welding procedures for the repairs shall be in accordance with the applicable welding standard(s) in ATTACHMENT 0059 WELDING STANDARDS. A repair is defined as the act of restoring the functional capability of a defective article in a manner that precludes compliance of the article with applicable drawings or specifications. Repairs are generally changes to an unacceptable end product to make it acceptable in accordance with original functional requirements. CDRL E007, Welding Data Acquisition

E.9.5 WELD EQUIPMENT. The contractor shall develop and maintain a welding equipment calibration program. This program shall consist of, as a minimum, an annual comparison check of the machine output with instrumentation that has been certified and calibrated using standards traceable to the National Institute of Standards and Technology (NIST).

E.9.6 WELDING INSPECTORS. Weld Inspector Qualification. Qualified inspectors trained to perform inspection functions shall be used for the verification of weld quality, and shall be in accordance with at least one of the following conditions:

a) Current certification in accordance with the American Welding Society (AWS), Certified Welding Inspector (CWI) or Senior Certified Welding Inspector (SCWI), qualified and certified in accordance with provisions of AWS QC1.
b) Current certified welding inspectors qualified by the Canadian Welding Bureau (CWB) to Level II or the Level III requirements of the Canadian Standards Association (CSA) Standard W 178.2 Certification of Welding Inspectors.

E.9.8 NONDESTRUCTIVE TESTING

E.9.8.1 VISUAL INSPECTION. Visual inspections shall be IAW the applicable weld standards. Armor steel(s) and quenched and tempered steel(s) shall be visually inspected after the welds have been completed and cooled to ambient temperature and also after no less than a 48 hour hold period.

E.9.8.2NONDESTRUCTIVE CRITICAL WELD JOINT. The Contractor shall clearly identify in the product drawings, all critical joints required for Non-Destructive Testing (NDT) other than visual inspection.

E.9.8.3 NONDESTRUCTIVE INSPECTORS. When NDT is required, the inspectors shall be qualified IAW the current addition of American Society for Nondestructive Testing Recommended Practice No. SNT-TC-1A. Only individuals qualified for NDT LEVEL I and working under the NDT LEVEL II or individuals qualified for NDT LEVEL II may perform nondestructive testing except visual examination. The NDT personnel need not be an AWS CWI. The Contractor shall make available all NDT personnel qualification records upon request by the Government.

E.9.8.4 NONDESTRUCTIVE TESTING ACCEPTANCE CRITERIA FOR ARMOR MATERIAL(S). When NDT is required for armor the procedures and acceptance criteria shall be IAW TACOM Ground Combat Vehicle Welding Code for Steel (drawing number 19207-12479550), and the Ground Combat Vehicle Welding Code for Aluminum (drawing number 19207-12472301). Steel Armor materials MIL-DTL-46100, MIL-DTL-12560, or low alloy steels that are 1/8 inch (3mm) or thicker with a minimum specified yield strength greater than 100ksi (600MPa) shall be held for a minimum of 48 hours and inspected after welding is completed and has cooled to an ambient temperature.

E.9.8.5 NONDESTRUCTIVE TESTING ACCEPTANCE CRITERIA FOR NON ARMOR AND STRUCTURAL MATERIAL(S). When NDT is required for non-armor and structural material(s) the acceptance criteria shall be as stated in the applicable standard. The acceptance criteria differ based on the design loads. The Contractor shall state what joints are critical load bearing members and clearly identify these weldments for inspection purposes). In the case of critical structures, the acceptance criteria for cyclic loads will be as stated in AWS D1.1 and Class II structures for Aluminum welds IAW AWS D1.2. (CDRL E007, Welding Data Acquisition)

E.10 VEHICLE ACCEPTANCE.

E.10.1 CONDITIONAL ACCEPTANCE. The Government, at its sole discretion, may conditionally accept vehicles at any time; at no time is the Government required to conditionally accept vehicles. Incomplete vehicles due to factors attributable to the contractor or their suppliers are not eligible for conditional acceptance.

E.10.2 CONDITIONAL ACCEPTANCE PRIOR TO FIRST ARTICLE APPROVAL. Conditional Acceptance without withholding is permitted if the basis is Government caused. If the Contractor delivers conforming vehicles to the Government IAW the contract delivery schedule prior to FAT approval, the Government may elect to conditionally accept the vehicles and withhold ten percent of the vehicle unit price until the provisions of E.10.3 are met. Prior to successful completion of the First Article Test requirements, any acceptance of vehicles shall be conditional.

Conditional acceptance of non-conforming vehicles will not be granted unless reasons of economy or urgency by the Government as defined in the Federal Acquisition Regulation. JPO JLTV shall provide written documentation of the reason(s) to the Procuring Contracting Officer. An amount to be withheld for conditionally accepted non-conforming vehicles will be determined by the Contracting Officer on a case-by-case basis. At the time of conditional acceptance, the Contractor may invoice up to the base vehicle unit price less the

DRAFT

amount determined to be withheld.

E.10.3 FINAL ACCEPTANCE. Final acceptance of vehicles shall not occur until: (1) all First Article Approval requirements for each configuration have been successfully completed and the Contractor is so notified by a PCO letter and (2) all testing deficiencies are corrected to the satisfaction of the Government and (3) non-conforming items have been corrected.

E.10.3.1 INSPECTION. The Contractor shall perform one hundred percent (100%) Final Inspection of the end item in accordance with the Government approved Final Inspection Record (FIR). The Contractor shall make available the FIR for the items in question. Deficiencies disclosed during inspection by the Contractor or the Government shall be described in writing on the Deficiency Sheet and documented in the Final Inspection Record (FIR) (CDRL E008, FIR)

E.10.3.2 FLUID FILL LEVELS. The Contractor shall assure the vehicles are shipped with a minimum of 1/2 tank of JP8 or DF-2 fuel (No off road diesel fuel will be allowed; Off road diesel is Red in color). The Contractor shall also assure that the windshield washer reservoir(s) is/are filled with a commercially available windshield washer fluid with freezing preventative additive, prior to presenting the vehicle to the Government. All other vehicle fluid levels shall be delivered full unless otherwise specified by the contract or attachments.

E.11 FINAL INSPECTION RECORD . The contractor shall submit the completed and certified copy of the Final Inspection Record (FIR) to the Government Inspector with each item inspected and offered for acceptance by the Government. The Contractor shall develop a tailored FIR for each configuration and trailer . Deficiencies disclosed during inspection by the contractor shall be described in writing and included as part of the FIR. (CDRL E008, FIR)

E.11.1 INSPECTION TRACEABILITY. All Contractor manufacturing and inspection documents used to validate work completed and certify product quality compliance will have a Contractor controlled stamp to indicate acceptance.

E.11.2 FINAL INSPECTION. The Contractor is responsible for performing all inspections on all JLTV FoV configurations as specified in the control plan. B Kits shall be subjected to a complete final inspection by the contractor utilizing a dedicated contractor developed and Government approved Final Inspection Record (FIR). The Contractor shall perform one hundred percent (100%) Final Inspection of the end item in accordance with the requirements of the applicable purchase description and the current approved configuration utilizing the Government approved FIR. The Government, at its option, may elect to witness and or participate in the contractors final inspection. Deficiencies disclosed during inspection by the Contractor or the Government shall be described in writing on the Deficiency Sheet attached to the FIR. The Contractor shall ensure that each vehicle is over packed with the current -10 operator manual for that configuration and trailer.

E.11.3 CONFORMANCE INSPECTION FOR KITS. Conformance inspection for acceptance of Kits shall be conducted as follows:
a. Audit of production sequence
b. Verification Kits are manufactured IAW drawing requirements
c. Verification of Kit marking requirements.

E.11.4 VEHICLE INSPECTION STANDARDS. In addition to the FIR, standards shall be developed by the Contractor to clarify attribute type characteristics that require definitive accept/reject criteria, such as cosmetic and workmanship standards with photographs. The inspection standards shall be maintained and updated as required by the continuous improvement team. To supplement inspections, the Contractor shall also develop visual aids including photos, drawings, diagrams, and hardware displays depicting acceptable and unacceptable conditions and have them available as acceptance criteria for workers, inspectors, and DCMA.

E.12 PRODUCT QUALITY DEFICIENCY REPORT . The Contractor shall investigate, provide failure analysis and corrective action to all Product Quality deficiency Reports (PQDRs) (Standard Form 368) generated against supplies produced under this contract. Should an exhibit of the item in question be required, the Contractor shall submit an exhibit request electronically to the JLTV PQDR Action Officer. Upon receipt of the request, the PQDR Action Officer will electronically delegate exhibit processing to the appropriate Administrative Contracting Officer (ACO) representative within 48 hours of request receipt. The ACO representative will arrange for transportation of exhibit(s) with the Contractor. The cost of exhibit transportation shall be the responsibility of the Contractor. Once an exhibit has been requested by the Contractor, the timeline on the PQDR report submittal requirements shall be paused to allow for time lost due to PQDR exhibit processing and shipment from the user. The "clock" will resume once the Contractor has received the exhibit. All corrective actions taken by the Contractor shall be at no additional cost to the Government. PQDR corrective actions which require a configuration change must be approved by the Government PCO. All PQDR investigation reports and associated corrective actions shall be approved by the PQDR Action Officer before the Government considers a PQDR closed. PQDRs will not be closed in PDREP until the corrective action(s) submitted by the Contractor or his suppliers are officially approved by JPO JLTV. (CDRL E009, PQDR)

E.12.1 PQDR CORRECTIVE ACTIONS. The Contractor shall provide, if necessary, supporting documentation such as internal assessments, data from suppliers analyses (i.e. FEA, FMEA, etc), test data, certifications, drawings, digital photographs to resolve the problem and prevent it from reoccurring. The contractor will document any PQDR as a customer complaint against their Quality Management Systems.

E.12.2 PQDRS FOR GOVERNMENT FURNISHED EQUIPMENT. The contractor shall support the PQDR investigation of Government Furnished Equipment (GFE) or Government Furnished Material (GFM) if a deficiency is found. The Standard Form 368, Product Quality Deficiency Report, must

DRAFT

be used to report the receipt of deficient GFE or GFM. The GFE or GFM PQDRs will be processed through DCMA for tracking and management of document control numbers.

E.12.3 COUNTERFEIT PARTS. The Contractor shall establish, implement and maintain documented procedures which shall identify and preclude the use of counterfeit parts in production and shall impose same requirements on subcontractors. The Contractor shall make this information available to the Government upon request.

E.13 RESERVED

E.14 FAILURE MODES AND EFFECTS ANALYSES

E.14.1 DESIGN FAILURE MODES AND EFFECTS ANALYSES . The contractor shall conduct and provide Design Failure Mode and Effects Analysis (DFMEA) on system-level JLTV, and all critical items and key subsystems (reference B023 ECP, CDRL D008 FACAR, CDRL E009 PQDR). The contractor shall provide DFMEAs to the Government when responding to a ECP, FACAR, or PQDR (reference B023 ECP, CDRL D008 FACAR, CDRL E009 PQDR). The contractor shall identify all system and subsystem critical characteristics, defined as measurements or indicators that reflect safety or compliance with government regulations. For supplier-sourced and Contractor critical items or key subsystems, the contractor shall complete and deliver applicable DFMEAs. The contractor and their suppliers shall use the Automotive Industry Action Group (AIAG) FMEA manual (latest edition) as a guide to create the DFMEAs. Those potential failure modes and their effects that are deemed by the contractors or suppliers team as high risk, must be controlled, mitigated, or eliminated. The responsibility, target completion dates, the action results, and evidence of actions taken must be recorded for them to be considered complete and compliant to the requirements of this contract. The DFMEA must reflect the current drawing revision levels being used at all times. The contractor must develop a process of continual improvement via FMEA RPN reduction. The reduction process should be guided by top Risk Priority Number (RPN) lists and RPN goals not by setting an RPN threshold. Design FMEAs for other items (non-critical items, non-key subsystems) shall be made available upon Government request. The DFMEA and related documents are living documents. The contractor shall update these documents to reflect lessons learned, updated reliability predictions, and corrective actions.
E.14.2 PROCESS FAILURE MODES AND EFFECTS ANALYSES . The contractor and their suppliers shall create Process Failure Modes and Effects Analyses (PFMEA) for all processes (manufacturing and assembly) necessary to build the specific Government product/vehicle. The contractor shall provide PFMEAs to the Government when responding to a ECP, FACAR, or PQDR (reference B023 ECP, CDRL D008 FACAR, CDRL E009 PQDR). . The contractor and their suppliers shall use AIAG FMEA manual (latest edition) as a guide to create the PFMEAs. Those potential failure modes and their effects that are deemed by the contractors team as high risk, must be controlled, mitigated, or eliminated. The responsibility, target completion dates, the action results, and evidence of actions taken must be recorded for them to be considered complete and compliant to the requirements of this contract. The Process FMEA (PFMEA) must reflect the current processes being used at all times. The contactor must ensure that all aspects of their product realization process, including receiving, material handling, production, test and inspect, labeling, shipping, and prototyping are covered by these FMEAs. The contractor must develop a process of continual improvement via FMEA RPN reduction. The reduction process should be guided by top RPN lists and RPN goals not by setting an RPN threshold.

Process FMEAs for other items (non-critical items, non-key subsystems) shall be made available to the Government on request. The PFMEA and related documents (e.g. process map, process flow diagram, etc) are living documents. The contractor shall update these documents to reflect lessons learned, updated reliability predictions, and corrective actions. The Contractor shall ensure that the documents are traceable to the engineering change level & process changes, and shall be included in the configuration management change process.

E.15 COST OF QUALITY. The Contractor shall implement and maintain a Cost of Quality System. It must encompass all the recognized sources of quality cost. These include costs in the standard categories of Prevention, Appraisal, and Internal and External Failure costs. The costs shall be tracked and overall trends reported to the contractors management at regularly scheduled management review meetings. The trend in the progress toward lowering the overall cost of quality without exact reference to the number of dollars must be made available to the Government on request, including during a quality management system audit. No formal submittal is required under this contract however the Government reserves the right to request the data be presented during Program Management Review (PMR). The Contractor shall ensure that tracking and elimination of failure costs be part of the contractors continual improvement processes.

The Contractor shall ensure that all quality activities be subject to variation reduction and continual process improvement, and focus on the elimination of non value-added activities. Contractor shall also ensure that such streamlining shortens the cycle time in satisfying customer requirements, reduces associated operating costs, and improves the quality of the product or service.

E.15.1 CONTINUAL IMPROVEMENT. The contractor shall ensure that all quality activities are subject to variation reduction and continual process improvement, and will focus on the elimination of non value-added activities to shorten the cycle time in satisfying customer requirements, reduce associated operating costs, and improve the quality of the product or service.

E.16 QUALITY PLANNING. The Contractor and subcontractors shall establish Product and process Quality Plans, FMEAs, and Control Plans that define the steps necessary to assure that the product meets the Governments needs and expectations in a timely manner. The Contractor and subcontractors shall assign responsibility for organizing a cross-functional team to a member of their own management staff. The cross-functional team shall use a multi-disciplinary approach for decision making that utilizes Advanced Product Quality Planning (APQP) and Control Plan Techniques that ultimately define and document how the requirements for quality will be met. Team actions should include but not be limited to:
a. Development/finalization of special or key characteristics

DRAFT

b. Development and review of both Design and Process Failure Mode and Effects Analysis (FMEAs)
c. Development of control plans
d. Utilization of analytical tools for both the design and production phases

E.16.1 PRODUCTION PART APPROVAL PROCESS (SEE ALSO SECTION ON CFAT). The Contractor and subcontractors shall demonstrate that its processes have the capability of meeting design and/or specification requirements prior to the presentation of product for Government acceptance. The product(s) shall be validated in accordance with the control plan developed by the suppliers cross-functional team and approved by the Contractor. The Contractor and subcontractors shall use the current revision of the Production Part Approval Process (PPAP) manual published by the Automotive Industry Action Group (AIAG) in Southfield, Michigan for requirements and associated processes used for submission and approval of PPAPs at each level. The PPAPs must reach level 3 for all parts made by suppliers as well as parts made in-house by the contractor prior to the presentation of the completed product for Government acceptance unless another PPAP level is approved by the Government on a case by case basis. If this cannot be accomplished before the first vehicles and trailer is ready for sale, then the Contractor shall request approval from the Government to issue interim PPAP approval. The results of tests and verifications needed to meet FAT or CFAT requirements on the drawings or in the Technical Data Package (TDP) (if applicable) shall be part of the PPAP package The PPAP must contain dimensional verifications, as outlined in the PPAP manual published by the AIAG. If suppliers are replaced by the Contractor or the Government between the test phase and the production phase of this contract, then the Contractor must redo the PPAP and FAT/CFAT and the supplier must again reach level 3 prior to presentation of the completed product for Government acceptance. The results achieved must demonstrate that the new supplier is, at a minimum, at the same quality level as the supplier that was replaced. If an existing supplier is used from a previous contract and a PPAP/CFAT/FAT was done during the previous contract, a decision by the Government is required to accept the previous testing as applicable. If a supplier moves the process, site, part, material, changes owners, changes processes from manual to automated, moves a part from internally built to externally built, then the PPAP/CFAT/FAT must be redone and level 3 must be achieved prior to presentation for Government acceptance. The Government reserves the right to review any or all associated production part approval documents/records at its discretion.

E.17 STATISTICAL PROCESS CONTROL (METRICS). A system for the use of statistical methods and the appropriate tools shall be developed and maintained. Their use must be considered and assigned at the product planning stage (APQP) by the contractor. The outputs of the planning and identification of the appropriate statistical tools must be included in the (process) control plans and in the quality planning process. These statistical methods must be evidenced at all critical phases of product realization process including in product development, purchasing, manufacturing, field analysis, returns, continual improvement, measurement systems analysis, safety, cost of quality, as a minimum. Statistical data analysis should be used as the basis of continual improvement. Therefore, the contractor must show that methods of data organization, data gathering, data analysis, and the conclusions drawn from these data are done in accordance with the accepted and agreed to methods outlined in the AIAG manual, Statistical Process Control Reference Manual, using the most current edition available. This process should be reviewed with the Government when requested and all charts reviewed with the Government upon request. Every metric should include a target that is derived from overall goals and should be reported in relation to the goal.
In the evaluation of critical processes, as identified by the contractor, efforts should be made to improve the process capability and the process potential capability. Copies of all data and completed control charts shall be treated as controlled documents and retained for the life of the contract. The government will be allowed to review all process control charts and their continual improvement plans, if necessary. The Contactor shall ensure that objective measures are identified to evaluate the performance and value of quality activities to the customer. The Contractor shall ensure that measures will be associated with readiness, customer satisfaction, and factors that can adversely affect component and organizational performance. The Government reserves the right to request this data be presented during Program Management Review (PMR). (CDRL E010, SPC)

E.18 CUSTOMER SATISFACTION MEASUREMENT AND REPORTING. The Contractor shall measure and report the results of customer satisfaction surveys (customer perception) and the results of performance indicators from the finished product and service fulfillment processes. All of these measurements and results must be based on objective data.
The objective metrics must include but not be limited to:
a. Deprocessing defects
b. Final truck defect measurements
c. Delivery schedule performance
d. Number of customer requested corrective actions (including PQDRs)
e. Time to close customer requested corrective actions
f. Cost of quality data
g. Customer Satisfaction Surveys
The trends observed from these metrics and their associated corrective actions shall be presented to the PM regularly at the monthly PMRs and also be presented to the Contractors management at the regularly scheduled management reviews. (See section called, Statistical Process Control) The Contractors management team must provide the resources required for the customer satisfaction data to be collected, analyzed, presented, and for the corrective actions to be taken.
The trends in customer satisfaction metrics shall be compared to business and quality plan objectives. Negative trends shall require the Contractor to take action and alter long term plans if necessary.
The metrics and corrective actions derived from the measurement of customer satisfaction related data shall be delivered at the monthly PMRs. The presentation shall show trends in areas of mutual concern using graph or chart formats approved jointly by the contractor and the Government.

E.19 ERROR PROOFING SYSTEMS. The contractor is responsible for developing and implementing error proofing to ensure part presence and

DRAFT

orientation of all assembled or kitted parts. Each assembly operation requires in-process checks and error proofing tools be used so that assembled or kitted parts are conforming prior to release of product for acceptance. When error proofing through design cannot be achieved, process error proofing measures will begin with prevention, and then employ detection techniques, and finally employ the least desirable method, inspection. Error proofing approaches used to improve the production process shall be reviewed during the APQP (FMEA and control plan) meetings, and shall utilize the Automotive Industry Action Group (AIAG) manual CQI 18 as the basis for development. Error proofing is required for all special processes and product characteristics, including but not limited to critical safety items.

E.20 MEASUREMENT SYSTEMS ANALYSIS The Contractor shall use the Automotive Industry Action Group (AIAG) Measurement Systems Analysis manual as a guide to create all Measurement System Analysis (MSA). MSA studies and reports shall be developed in contractor format for those items under the MSA system that are used to measure parts or processes to design, build, test and deliver the JLTV vehicles (e.g. All Measurement System devices, instruments, fixtures, tools, test equipment, gages).

The type of reports and studies that shall be developed are as follows: Calibration planning report, Calibration history, Gages due and overdue for calibration, Gages due for R&R analysis, Gage R&R data collection sheet, Gage R&R Report Inventory, Stability studies, Repeatability range control chart, Whiskers charts, traceability throughout life cycle and ANOVA. All Gauge tolerances must be as defined by SAE/DIN/ISO standards. All measurement devices, instruments, and gages shall be compliant to ISO/IEC 17025 requirements for the competence of testing and calibration laboratories. The Contractor shall provide access to the Government for MSA activities for audit purposes. The Government reserves the right to be present at any activities conducted to support MSA.

E.21 QUALITY ENGINEERING REVIEWS. The Contractor is responsible for auditing and assessing the performance of its STS Quality System/Procedures. The Contractor shall perform quality engineering reviews of all documentation affected by a Work Directive. These reviews are for determining the type and frequency of process/product controls or the required tests for performance/validation/production control necessary to achieve a cost-effective, consistently produced quality product. The contractor shall perform quality engineering reviews at a point in time, which shall assure that the resulting recommended controls and tests are processed and reflected in the design change documentation. Required process/product controls and tests shall be defined as product/part drawing Quality Assurance Provisions (QAPs) or within specifications referenced engineering drawings.

E.22 SYSTEM TECHNICAL SUPPORT (STS) QUALITY SYSTEMS. All Contract Quality requirements shall apply to STS products and services provided under this Contract.

E.23 QUALITY ASSURANCE PROVISIONS . The Contractor shall develop Quality Assurance Provisions (QAPs) for those provisions and notes on engineering drawings which annotate quality assurance requirements associated with product and process testing, production quality control, major characteristics, and critical safety items. QAPs shall be developed or updated as necessary for all applicable items, components or assemblies affected by a Work Directive. Developing and updating of QAPs shall be based on the recommendations of the Product Quality Manager (PQM) review. When developing QAPs, considerations shall be made towards achieving a cost-effective, consistently produced quality product. The use of specialized test and inspection equipment shall be directed by the Government PQM.

E.23.1 QAP DETERMINATION. QAPs shall be determined and identified using techniques such as Process Failure Mode and Effects Analysis (PFMEA), historical data review of field failures and non-conformances noted during component qualification testing and manufacturing, logistic support analysis data review, Reliability-Availability-Maintainability (RAM) data review, design engineering assessment, safety assessment and hazard analysis, and sound engineering judgment and experience.

E.23.2 MASTER QAP LIST (MQAPL). The contractor shall develop and maintain a MQAPL for all QAPs associated with any work directives. The Government reserves the right to review and discuss the current MQAPL during all meetings with the Contractor.

E.23.3 QAP CATEGORIES. QAPs are categorized IAW the following:

a. QAP Requirements for First Article Test (FAT) - Tests conducted on first production lot samples to represent the entire quantity of items produced by the established process. When a FAT is to be specified on the engineering drawing, all performance data shall be provided on the drawing. This data shall be provided either directly (by engineering drawing notes) or indirectly (by recognized standards described in drawing notes) that are referenced by the FAT notes. FAT requirements shall be applied to engineering drawings when any of the following conditions requires verification:

- When performance characteristics are to be evaluated by testing. Example: Durability, Environmental, Functional, or tests otherwise destructive in nature.

1. When environmental or process control characteristics are required to be evaluated by testing, Example: Salt spray, Climatic conditions (temperature extremes) and other tests such as X-ray.

2. When fit or interface of an item is to be demonstrated. Example: canvas items, special accessory kits (winterization, heater, deep water fording, and Arctic kits).

3. When the item has been evaluated via Component First Article Test (CFAT) and requires additional tests controlled by lot or time between production runs.

DRAFT

b. Production Quality Control - The selection of the number of units and frequency of test/inspection requirements are stated in the drawing notes. These shall be established on a sound statistical basis and with good Quality Engineering judgment.

c. Critical Safety Item (CSI) - The Contractor shall identify Critical Safety Items (CSI) for all new designs and design changes. Critical safety items are items with one or more critical safety characteristic(s). A critical safety characteristic is a feature that if non-conforming, could result in a catastrophic failure of an item or assembly that could result in loss of life or injury to humans. The Contractor is required to identify a feature or characteristic on the drawing as a critical safety item.

1. Requirements pertaining to Critical Safety Items shall be validated to ensure all critical safety aspects of the design are accurately reflected, parts and materials operate well below fatigue limits/stress levels, and the design allows for assessment by inspection and nondestructive test equipment. Validation shall be based on engineering analysis of the critical safety item characteristics and shall consider changes and deterioration through time or use, fatigue life, and operating conditions. A master list of Critical Safety Items and associated critical characteristics, including nomenclature and part number, shall be prepared, maintained and documented by the Contractor. The Critical Safety Items List shall be maintained and updated throughout the life of the contract. The Critical Safety Items shall also be referenced on the vehicle class and division drawing. This list shall be dynamic in nature with changes taking place as experience and knowledge are obtained and design changes are incorporated.

2. Each critical safety item and assembly process shall be clearly identified as such on the engineering top drawing, part drawing or assembly drawings. The critical safety characteristic(s) for each critical safety item shall also be clearly identified as such on the engineering part or assembly drawing, and in all Quality Assurance Requirements and Quality Assurance Provisions. Critical Safety characteristics will require one hundred percent (100%) inspection or, a minimum Cpk/Ppk of 1.66. Alternate requirements or techniques may be used such as PPM or DOE when developing Quality Assurance Requirements and Quality Assurance Provisions, but must be approved by the government. The specific method for marking drawings shall be as delineated in ASME Y14.100.

d. Major - Any characteristic, other than a critical safety characteristic in which a common defect could cause complete physical and functional failure, or affect interchangeability, reliability, or maintainability of the item or its repair parts, or effective use of operation.

1. Major characteristics are often determined using sound engineering practice and judgment. Criteria which may be the determining factor that defines a characteristic as Major may include but are not limited to:

a.) Performance requirements specified on product drawings except those that involve destructive tests or that require 100% inspection.

b.) Drawing dimensions and geometric characteristics (usually 0.005" or less) such as position tolerance, concentricity, angularity or perpendicularity or tolerance greater than 0.005 where the application is very important.

c.) Electrical and Electronic characteristics (circuitry, resistance, crimping, soldering, continuity, functional dimensions).

d.) Installations involving an interface with hardware requiring a fit or pattern dimensions such as a flange or a bracket.

e.) Material specifications such as hardness, surface hardness depth, location of surface hardness, surface finish. Surface texture values of 32 micro-inch and finer, related waviness, and lay values.

f.) Thread characteristics, class 3, 4 and 5, or torque requirements.

g.) Fastening requirements (welding, brazing, staking, bonding) affecting reliability, interchangeability or function.

h.) Gear and spline dimensions that affect function and interchangeability.

E.24 INTERCHANGEABILITY OF COMPONENTS.

(a) DESIGN CHANGES TO ITEMS NOT UNDER GOV'T DESIGN CONTROL. Once the Government accepts the first production test item, or accepts the first end item you deliver, (whichever comes first) you must not make design changes to any item or part that is not under Government design control.

(b) WHEN THE POLICY CAN BE WAIVED. The Procuring Contracting Officer (PCO) will consider waiving this policy at your request. If your request reaches the CO after the first production item test has been performed, then we may conduct another first production test at no additional cost to the Government.

(c) PRODUCTION OR DELIVERY DELAYS. Any production or delivery delays caused by this retesting will not be the basis for:

(1) an "excusable delay" as defined in the DEFAULT clause of this contract.

(2) be the basis for an increase in contract price or delivery schedule extension.

E.25 RADIOGRAPHIC INSPECTION. Radiographic inspection of production castings as required by applicable drawings and/or specifications shall be accomplished as follows:

(1) Operators and radiographic equipment shall be qualified in accordance with NAS 410, prior to radiography of production castings.

(2) The first casting shall be radiographed in all routine and random positions described on the position chart.

(3) Subsequent castings shall be radiographed in those areas that were defective in the immediately preceding castings, until compliance with the required standard has been obtained. Objective evidence shall be provided by the producer that corrective action has been taken to eliminate the deficiency.

(4) All rejectable areas may be repaired in accordance with an approved and qualified repair procedure (when required by applicable

DRAFT

specification), and must meet the standard specified on applicable position chart. The producer retains the prerogative of repairing or scrapping defective material.

(5) After above requirements have been accomplished, normal sampling shall be applied.

(6) Normal sampling shall consist of radiographing one control casting selected by the Government Quality Assurance Representative, out of each thirty produced.

(7) All routine and random positions shall be radiographed on each control casting except when the total exceeds the established number of radiographs that can be taken in a normal eight hour day. When the total number of positions to be radiographed on a control casting exceeds the maximum capability of facilities, random position shall be selected for radiography by the Government Quality Assurance Representative and rotated in such a manner that complete coverage is achieved within a cycle of five castings radiographed.

(8) The occurrence of a rejectable defect in any area on a casting shall require the radiographic inspection of each subsequently poured casting in that area until the defective condition is corrected.

(9) If the results of radiographic inspection on ten consecutive lots of material indicate that a satisfactory uniform product meeting the soundness requirements is being produced, the amount of radiographic testing may be reduced in accordance with a system established by the Contractor and approved by the Procuring Contracting Officer.

(10) The occurrence of a rejectable defect in any area on a casting shall require return to normal sampling and the radiographic inspection of each subsequently poured casting in that area until the defective condition is corrected.

E.26 ADDITIONAL INSPECTIONS.

E.26.1 IN-PROCESS INSPECTION. In-process Inspection shall be incorporated into the contractor and sub-contractors overall quality system IAW ISO 9001:2008 and ISO/TS16949:2009, Quality management systems.

E.26.2 INSPECTION AND TEST EQUIPMENT. Except as otherwise provided for under this contract, the Contractor shall be responsible for the supply and maintenance of all measuring, monitoring, inspection, and test equipment necessary to assure that end item components conform to contract requirements. All Contractor furnished inspection equipment shall be available for use at the start of production. The Government will not furnish any inspection equipment for this contract.

E.26.2.1 GOVERNMENT INSPECTOR USE OF INSPECTION AND TEST EQUIPMENT. The Contractor shall make inspection equipment available to the Government Inspector during Government in-process or end item inspection. Upon completion of the inspection by the Government Inspector, all inspection equipment shall be returned to the Contractor.

E.26.3 INSPECTION RECORDS. The government reserves the right to review inspection records and process documents upon request.

E.26.4 DRAWINGS FOR INSPECTION. The contractor shall make the product drawing(s) available to the government upon request.

E.27 ARMOR TRACEABILITY. The contractor shall maintain traceability for all armor materials delivered under this contract. The contractor shall be responsible for recording the mill information (vendor name), melt and heat treat data for all parts produced with armor material, and will maintain certifications for the mechanical and ballistic requirements of the applicable material standard for each melt/heat treatment lot. The contractor shall record and tie this information to each part/weldment through permanent serialization of the components. Serial numbers should be applied to the lowest non-separable (i.e. weldment) level. For complex weldments, all material lots utilized for the construction of that end item shall be recorded.

E.28 Inspection and Acceptance of SEPM and Care and storage of vehicles

E.28.1. For SEPM, the Contractor shall include with each payment request a list of CDRL submissions associated with the work performed. The list of CDRL submissions shall include the CDRL number, name, due date, submittal date, and a description of the work performed. The Government will review each payment request to confirm receipt of all deliverables associated with the payment request. Acceptance will be through a PCO letter to DCMA authorizing payment to the contractor. The PCO may withhold payment if all acceptance criteria and deliverables are not met in the month billed.

E.28.2. For Care and Storage, the Contractor shall include CDRL C095 with each payment request. CDRL C095 will be the inspection criteria for Care and Storage. The Government will review the number of days billed for that month. After validation, acceptance will be through a PCO letter to DCMA authorizing payment to the contractor.

*** END OF NARRATIVE E0001 ***

DRAFT

SECTION F - DELIVERIES OR PERFORMANCE

	Regulatory Cite	Title	Date
F-1	52.211-17	DELIVERY OF EXCESS QUANTITIES	SEP/1989
F-2	52.242-15	STOP-WORK ORDER	AUG/1989
F-3	52.242-15	STOP-WORK ORDER (AUG 1989) -- ALTERNATE I (APR 1984)	APR/1984
F-4	52.242-17	GOVERNMENT DELAY OF WORK	APR/1984
F-5	52.247-29	F.O.B. ORIGIN	FEB/2006
F-6	52.247-30	F.O.B. ORIGIN, CONTRACTOR'S FACILITY	FEB/2006
F-7	52.247-52	CLEARANCE AND DOCUMENTATION REQUIREMENTS--SHIPMENTS TO DOD AIR OR WATER TERMINAL TRANSSHIPMENT POINTS	FEB/2006
F-8	52.247-55	F.O.B. POINT FOR DELIVERY OF GOVERNMENT-FURNISHED PROPERTY	JUN/2003
F-9	52.247-58	LOADING, BLOCKING, AND BRACING OF FREIGHT CAR SHIPMENTS	APR/1984
F-10	52.247-59	F.O.B. ORIGIN--CARLOAD AND TRUCKLOAD SHIPMENTS	APR/1984
F-11	52.247-65	F.O.B. ORIGIN, PREPAID FREIGHT--SMALL PACKAGE SHIPMENTS	JAN/1991
F-12	252.211-7007	REPORTING OF GOVERNMENT-FURNISHED PROPERTY	AUG/2012
F-13	252.211-7003	ITEM UNIQUE IDENTIFICATION AND VALUATION	DEC/2013

(a) Definitions. As used in this clause--

"Automatic identification device" means a device, such as a reader or interrogator, used to retrieve data encoded on machine-readable media.

"Concatenated unique item identifier" means

(1) For items that are serialized within the enterprise identifier, the linking together of the unique identifier data elements in order of the issuing agency code, enterprise identifier, and unique serial number within the enterprise identifier; or

(2) For items that are serialized within the original part, lot, or batch number, the linking together of the unique identifier data elements in order of the issuing agency code; enterprise identifier; original part, lot, or batch number; and serial number within the original part, lot, or batch number.

"Data matrix" means a two-dimensional matrix symbology, which is made up of square or, in some cases, round modules arranged within a perimeter finder pattern and uses the Error Checking and Correction 200 (ECC200) specification found within International Standards Organization (ISO)/International Electrotechnical Commission (IEC) 16022.

"Data qualifier" means a specified character (or string of characters) that immediately precedes a data field that defines the general category or intended use of the data that follows.

"DoD recognized unique identification equivalent" means a unique identification method that is in commercial use and has been recognized by DoD. All DoD recognized unique identification equivalents are listed at http://www.acq.osd.mil/dpap/pdi/uid/iuid_equivalents.html.

"DoD item unique identification" means a system of marking items delivered to DoD with unique item identifiers that have machine-readable data elements to distinguish an item from all other like and unlike items. For items that are serialized within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier and a unique serial number. For items that are serialized within the part, lot, or batch number within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier; the original part, lot, or batch number; and the serial number.

"Enterprise" means the entity (e.g., a manufacturer or vendor) responsible for assigning unique item identifiers to items.

"Enterprise identifier" means a code that is uniquely assigned to an enterprise by an issuing agency.

"Governments unit acquisition cost" means

(1) For fixed-price type line, subline, or exhibit line items, the unit price identified in the contract at the time of delivery;

(2) For cost-type or undefinitized line, subline, or exhibit line items, the Contractors estimated fully burdened unit cost to the Government at the time of delivery; and

(3) For items produced under a time-and-materials contract, the Contractors estimated fully burdened unit cost to the Government at the time of delivery.

"Issuing agency" means an organization responsible for assigning a globally unique identifier to an enterprise (e.g., Dun &

DRAFT

Bradstreet's Data Universal Numbering System (DUNS) Number, GS1 Company Prefix, Allied Committee 135 NATO Commercial and Government Entity (NCAGE)/Commercial and Government Entity (CAGE) Code, or the Coded Representation of the North American Telecommunications Industry Manufacturers, Suppliers, and Related Service Companies (ATIS-0322000) Number), European Health Industry Business Communication Council (EHIBCC) and Health Industry Business Communication Council (HIBCC)), as indicated in the Register of Issuing Agency Codes for ISO/IEC 15459, located at http://www.nen.nl/Normontwikkeling/Certificatieschemas-en-keurmerken/Schemabeheer/ISOIEC-15459.htm.

"Issuing agency code" means a code that designates the registration (or controlling) authority for the enterprise identifier.

"Item" means a single hardware article or a single unit formed by a grouping of subassemblies, components, or constituent parts.

"Lot or batch number" means an identifying number assigned by the enterprise to a designated group of items, usually referred to as either a lot or a batch, all of which were manufactured under identical conditions.

"Machine-readable" means an automatic identification technology media, such as bar codes, contact memory buttons, radio frequency identification, or optical memory cards.

"Original part number" means a combination of numbers or letters assigned by the enterprise at item creation to a class of items with the same form, fit, function, and interface.

"Parent item" means the item assembly, intermediate component, or subassembly that has an embedded item with a unique item identifier or DoD recognized unique identification equivalent.

"Serial number within the enterprise identifier" means a combination of numbers, letters, or symbols assigned by the enterprise to an item that provides for the differentiation of that item from any other like and unlike item and is never used again within the enterprise.

"Serial number within the part, lot, or batch number" means a combination of numbers or letters assigned by the enterprise to an item that provides for the differentiation of that item from any other like item within a part, lot, or batch number assignment.

"Serialization within the enterprise identifier" means each item produced is assigned a serial number that is unique among all the tangible items produced by the enterprise and is never used again. The enterprise is responsible for ensuring unique serialization within the enterprise identifier.

"Serialization within the part, lot, or batch number" means each item of a particular part, lot, or batch number is assigned a unique serial number within that part, lot, or batch number assignment. The enterprise is responsible for ensuring unique serialization within the part, lot, or batch number within the enterprise identifier.

"Type designation" means a combination of letters and numerals assigned by the Government to a major end item, assembly or subassembly, as appropriate, to provide a convenient means of differentiating between items having the same basic name and to indicate modifications and changes thereto.

"Unique item identifier" means a set of data elements marked on items that is globally unique and unambiguous. The term includes a concatenated unique item identifier or a DoD recognized unique identification equivalent.

"Unique item identifier type" means a designator to indicate which method of uniquely identifying a part has been used. The current list of accepted unique item identifier types is maintained at http://www.acq.osd.mil/dpap/pdi/uid/uii_types.html.

(b) The Contractor shall deliver all items under a contract line, subline, or exhibit line item.

(c) Unique item identifier.

(1) The Contractor shall provide a unique item identifier for the following:

(i) Delivered items for which the Government's unit acquisition cost is $5,000 or more, except for the following line items:

Contract Line, Subline, or Exhibit Line Item Number	Item Description
__N/A_____	__N/A_____
__N/A_____	__N/A_____
__N/A_____	__N/A_____

DRAFT

(ii) Items for which the Government's unit acquisition cost is less than $5,000 that are identified in the Schedule or the following table:

Contract Line, Subline, or Exhibit Line Item Number	Item Description
N/A	N/A
N/A	N/A
N/A	N/A

(iii) Subassemblies, components, and parts embedded within delivered items, items with warranty requirements, DoD serially managed reparables and DoD serially managed nonreparables as specified in
Attachment Number N/A.

(iv) Any item of special tooling or special test equipment as defined in FAR 2.101 that have been designated for preservation and storage for a Major Defense Acquisition Program as specified in
Attachment Number N/A.

(v) Any item not included in paragraphs (c)(1)(i), (ii), (iii), or (iv) of this clause for which the contractor creates and marks a unique item identifier for traceability.

(2) The unique item identifier assignment and its component data element combination shall not be duplicated on any other item marked or registered in the DoD Item Unique Identification Registry by the contractor.

(3) The unique item identifier component data elements shall be marked on an item using two dimensional data matrix symbology that complies with ISO/IEC International Standard 16022, Information
technology--International symbology specification--Data matrix; ECC200 data matrix specification.

(4) Data syntax and semantics of unique item identifiers. The Contractor shall ensure that--

(i) The data elements (except issuing agency code) of the unique item identifier are encoded within the data matrix symbol that is marked on the item using one of the following three types of data qualifiers, as determined by the Contractor:

(A) Application Identifiers (AIs) (Format Indicator 05 of ISO/IEC International Standard 15434), in accordance with ISO/IEC International Standard 15418, Information Technology--EAN/UCC Application Identifiers and Fact Data Identifiers and Maintenance and ANSI MH 10.8.2 Data Identifier and Application Identifier Standard.

(B) Data Identifiers (DIs) (Format Indicator 06 of ISO/IEC International Standard 15434), in accordance with ISO/IEC International Standard 15418, Information Technology--EAN/UCC Application Identifiers and Fact Data Identifiers and Maintenance and ANSI MH 10.8.2 Data Identifier and Application Identifier Standard.

(C) Text Element Identifiers (TEIs) (Format Indicator 12 of ISO/IEC International Standard 15434), in accordance with the Air Transport Association Common Support Data Dictionary; and

(ii) The encoded data elements of the unique item identifier conform to the transfer structure, syntax, and coding of messages and data formats specified for Format Indicators 05, 06, and 12 in ISO/IEC International Standard 15434, Information Technology-Transfer Syntax for High Capacity Automatic Data Capture Media.

(5) Unique item identifier.

(i) The Contractor shall--

(A) Determine whether to--

(1) Serialize within the enterprise identifier;

(2) Serialize within the part, lot, or batch number; or

(3) Use a DoD recognized unique identification equivalent (e.g. Vehicle Identification Number); and

DRAFT

(B) Place the data elements of the unique item identifier (enterprise identifier; serial number; DoD recognized unique identification equivalent; and for serialization within the part, lot, or batch number only: Original part, lot, or batch number) on items requiring marking by paragraph (c)(1) of this clause, based on the criteria provided in MIL-STD-130, Identification Marking of U.S. Military Property, latest version;

(C) Label shipments, storage containers and packages that contain uniquely identified items in accordance with the requirements of MIL-STD-129, Military Marking for Shipment and Storage, latest version; and

(D) Verify that the marks on items and labels on shipments, storage containers, and packages are machine readable and conform to the applicable standards. The contractor shall use an automatic identification technology device for this verification that has been programmed to the requirements of Appendix A, MIL-STD-130, latest version.

(ii) The issuing agency code--

(A) Shall not be placed on the item; and

(B) Shall be derived from the data qualifier for the enterprise identifier.

(d) For each item that requires item unique identification under paragraph (c)(1)(i), (ii), or (iv) of this clause or when item unique identification is provided under paragraph (c)(1)(v), in addition to the information provided as part of the Material Inspection and Receiving Report specified elsewhere in this contract, the Contractor shall report at the time of delivery, as part of the Material Inspection and Receiving Report, the following information:

(1) Unique item identifier.

(2) Unique item identifier type.

(3) Issuing agency code (if concatenated unique item identifier is used).

(4) Enterprise identifier (if concatenated unique item identifier is used).

(5) Original part number (if there is serialization within the original part number).

(6) Lot or batch number (if there is serialization within the lot or batch number).

(7) Current part number (optional and only if not the same as the original part number).

(8) Current part number effective date (optional and only if current part number is used).

(9) Serial number (if concatenated unique item identifier is used).

(10) Governments unit acquisition cost.

(11) Unit of measure.

(12) Type designation of the item as specified in the contract schedule, if any.

(13) Whether the item is an item of Special Tooling or Special Test Equipment.

(14) Whether the item is covered by a warranty.

(e) For embedded subassemblies, components, and parts that require DoD item unique identification under paragraph (c)(1)(iii) of this clause or when item unique identification is provided under paragraph (c)(1)(v), the Contractor shall report as part of the Material Inspection and Receiving Report specified elsewhere in this contract, the following information:

(1) Unique item identifier of the parent item under paragraph (c)(1) of this clause that contains the embedded subassembly, component, or part.

(2) Unique item identifier of the embedded subassembly, component, or part.

(3) Unique item identifier type.**

(4) Issuing agency code (if concatenated unique item identifier is used).**

(5) Enterprise identifier (if concatenated unique item identifier is used).**

DRAFT

(6) Original part number (if there is serialization within the original part number).**

(7) Lot or batch number (if there is serialization within the lot or batch number).**

(8) Current part number (optional and only if not the same as the original part number).**

(9) Current part number effective date (optional and only if current part number is used).**

(10) Serial number (if concatenated unique item identifier is used).**

(11) Description.

** Once per item.

(f) The Contractor shall submit the information required by paragraphs (d) and (e) of this clause as follows:

(1) End items shall be reported using the receiving report capability in Wide Area WorkFlow (WAWF) in accordance with the clause at 252.232-7003. If WAWF is not required by this contract, and the contractor is not using WAWF, follow the procedures at http://dodprocurementtoolbox.com/site/uidregistry/.

(2) Embedded items shall be reported by one of the following methods--

(i) Use of the embedded items capability in WAWF;

(ii) Direct data submission to the IUID Registry following the procedures and formats at http://dodprocurementtoolbox.com/site/uidregistry/; or

(iii) Via WAWF as a deliverable attachment for exhibit line item number Reference Section C paragraph 2.3.9.6 and CDRL C055, Unique Item Identifier Report for Embedded Items, Contract Data Requirements List, DD Form 1423.

(g) Subcontracts. If the Contractor acquires by contract any items for which item unique identification is required in accordance with paragraph (c)(1) of this clause, the Contractor shall include this clause, including this paragraph (g), in the applicable subcontract(s), including subcontracts for commercial items.

(End of clause)

DRAFT

F-14 252.211-7006 PASSIVE RADIO FREQUENCY IDENTIFICATION SEP/2011

(a) Definitions. As used in this clause--

"Advance shipment notice" means an electronic notification used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as passive radio frequency dentification (RFID) or item unique identification (IUID) information, order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment.

"Bulk commodities" means the following commodities, when shipped in rail tank cars, tanker trucks, trailers, other bulk wheeled conveyances, or pipelines:

(1) Sand.
(2) Gravel.
(3) Bulk liquids (water, chemicals, or petroleum products).
(4) Ready-mix concrete or similar construction materials.
(5) Coal or combustibles such as firewood.
(6) Agricultural products such as seeds, grains, or animal feed.

"Case" means either a MIL-STD-129 defined exterior container within a palletized unit load or a MIL-STD-129 defined individual shipping container.

"Electronic Product Code\TM\ (EPC)" means an identification scheme for universally identifying physical objects via RFID tags and other means. The standardized EPC\TM\ data consists of an EPC\TM\ (or EPC\TM\ identifier) that uniquely identifies an individual object, as well as an optional filter value when judged to be necessary to enable effective and efficient reading of the EPC\TM\ tags. In addition to this standardized data, certain classes of EPC\TM\ tags will allow user-defined data. The EPC\TM\ Tag Data Standards will define the length and position of this data, without defining its content.

"EPCglobal" means a subscriber-driven organization comprised of industry leaders and organizations focused on creating global standards for the adoption of passive RFID technology.

"Exterior container" means a MIL-STD-129 defined container, bundle, or assembly that is sufficient by reason of material, design, and construction to protect unit packs and intermediate containers and their contents during shipment and storage. It can be a unit pack or a container with a combination of unit packs or intermediate containers. An exterior container may or may not be used as a shipping container.

"Palletized unit load" means a MIL-STD-129 defined quantity of items, packed or unpacked, arranged on a pallet in a specified manner and secured, strapped, or fastened on the pallet so that the whole palletized load is handled as a single unit. A palletized or skidded load is not considered to be a shipping container. A loaded 463L System pallet is not considered to be a palletized unit load. Refer to the Defense Transportation Regulation, DoD 4500.9-R, Part II, Chapter 203, for marking of 463L System pallets.

"Passive RFID tag" means a tag that reflects energy from the reader/interrogator or that receives and temporarily stores a small amount of energy from the reader/interrogator signal in order to generate the tag response. The only acceptable tags are EPC Class 1 passive RFID tags that meet the EPCglobal\TM\ Class 1 Generation 2 standard.

"Radio frequency identification (RFID)" means an automatic identification and data capture technology comprising one or more reader/interrogators and one or more radio frequency transponders in which data transfer is achieved by means of suitably modulated inductive or radiating electromagnetic carriers.

"Shipping container" means a MIL-STD-129 defined exterior container that meets carrier regulations and is of sufficient strength, by reason of material, design, and construction, to be shipped safely without further packing (e.g., wooden boxes or crates, fiber and metal drums, and corrugated and solid fiberboard boxes).

(b)(1) Except as provided in paragraph (b)(2) of this clause, the Contractor shall affix passive RFID tags, at the case- and palletized-unit-load packaging levels, for shipments of items that--

(i) Are in any of the following classes of supply, as defined in DoD 4140.1-R, DoD Supply Chain Materiel Management Regulation, AP1.1.11:

(A) Subclass of Class I--Packaged operational rations.

(B) Class II--Clothing, individual equipment, tentage, organizational tool kits, hand tools, and administrative and housekeeping supplies and equipment.

(C) Class IIIP--Packaged petroleum, lubricants, oils, preservatives, chemicals, and additives.

(D) Class IV--Construction and barrier materials.

(E) Class VI--Personal demand items (non-military sales items).

(F) Subclass of Class VIII--Medical materials (excluding pharmaceuticals, biologicals, and reagents--suppliers should limit the mixing of excluded and non-excluded materials).

(G) Class IX--Repair parts and components including kits, assemblies and subassemblies, reparable and consumable items required for maintenance support of all equipment, excluding medical-peculiar repair parts; and

(ii) Are being shipped to one of the locations listed at http://www.acq.osd.mil/log/rfid/ or to--

(A) A location outside the contiguous United States when the shipment has been assigned Transportation Priority 1, or to--

(B) The following location(s) deemed necessary by the requiring activity:

Contract line, subline, or exhibit line item number	Location name	City	State	DoDAAC
N/A	N/A	N/A	N/A	N/A

(2) The following are excluded from the requirements of paragraph (b)(1) of this clause:

(i) Shipments of bulk commodities.

DRAFT

(ii) Shipments to locations other than Defense Distribution Depots when the contract includes the clause at FAR 52.213-1, Fast Payment Procedures.

(c) The Contractor shall--

(1) Ensure that the data encoded on each passive RFID tag are globally unique (i.e., the tag ID is never repeated across two or more RFID tags) and conforms to the requirements in paragraph (d) of this clause;

(2) Use passive tags that are readable; and

(3) Ensure that the passive tag is affixed at the appropriate location on the specific level of packaging, in accordance with MIL-STD-129 (Section 4.9.2) tag placement specifications.

(d) Data syntax and standards. The Contractor shall encode an approved RFID tag using the instructions provided in the EPC\TM\ Tag Data Standards in effect at the time of contract award. The EPC\TM\ Tag Data Standards are available at http://www.epcglobalinc.org/standards/.

(1) If the Contractor is an EPCglobal\TM\ subscriber and possesses a unique EPC\TM\ company prefix, the Contractor may use any of the identifiers and encoding instructions described in the most recent EPC\TM\ Tag Data Standards document to encode tags.

(2) If the Contractor chooses to employ the DoD identifier, the Contractor shall use its previously assigned Commercial and Government Entity (CAGE) code and shall encode the tags in accordance with the tag identifier details located at http://www.acq.osd.mil/log/rfid/tag_data.htm. If the Contractor uses a third-party packaging house to encode its tags, the CAGE code of the third-party packaging house is acceptable.

(3) Regardless of the selected encoding scheme, the Contractor with which the Department holds the contract is responsible for ensuring that the tag ID encoded on each passive RFID tag is globally unique, per the requirements in paragraph (c)(1) of this clause.

(e) Advance shipment notice. The Contractor shall use Wide Area WorkFlow (WAWF), as required by DFARS 252.232-7003, Electronic Submission of Payment Requests, to electronically submit advance shipment notice(s) with the RFID tag ID(s) (specified in paragraph (d) of this clause) in advance of the shipment in accordance with the procedures at https://wawf.eb.mil/.

(End of clause)

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F-15 52.242-4022 (TACOM) DELIVERY SCHEDULE SEP/2008

(a) Delivery under this contract must conform to the required schedule specified below, unless acceleration is acceptable.

(b) DEFINITIONS:

(1) DAYS means the number of days after the date of contract award when you must deliver the stated quantity (QTY) of supplies.

(2) DELIVERY is defined as follows:

FOB Origin - Contractor is required to deliver its shipment as provided in FAR 52.247-29(a)(1)-(4) by the time specified in the individual contract; or

FOB Destination - Contractor is required to deliver its shipment as provided in FAR 52.247-34(a)(1)-(2) by the time specified in the individual contract. The contractor must take into consideration the length of time necessary to deliver its shipment to the destination designated in the contract, to ensure that the item reaches its destination by the time reflected in the contract.

(c) The Government requires delivery to be made according to the following schedule:

(1) GOVERNMENT REQUIRED DELIVERY SCHEDULE WITH FIRST ARTICLE TEST (FAT) IS DEFINED IN ATTACHMENT 0086. OPTION CLINs WILL BE INCORPORATED INTO ATTACHMENT 0086 AT THE TIME EACH INDIVIDUAL OPTION IS EXERCISED.

(d) Accelerated delivery schedule is not acceptable.

[End of Clause]

F-16 52.247-4011 (TACOM) FOB POINT SEP/1978

Delivery on F.O.B. origin offers will be F.O.B. Carrier's equipment, wharf, or freight station, at the Government's option, at or near:

(1) Contractor's Plant: _____
(City) (State) (ZIP) (County)

(2) Subcontractor's Plant: _____
(City) (State) (ZIP) (County)

[End of Clause]

F-17 52.247-4017 (TACOM) DEPOT ADDRESS FOR THE APPLICABLE MODE OF SHIPMENTS: IN-THE-CLEAR ADDRESSES NOV/2009

Rail/ Motor SPLC*	MILSTRIP Address Code	Rail Ship To:	Motor Ship To:	Parcel Post Mail To:
206721/ 209405	W25G1U	Transportation Officer Defense Dist Depot Susquehanna New Cumberland, PA	Transportation Officer Defense Dist Depot Susquehanna New Cumberland, PA	Transportation Officer Defense Dist Depot Susquehanna New Cumberland, PA 17070-5001

NOTE: All deliveries to New Cumberland MUST be scheduled at least 10 days prior to the delivery date. The carrier or contractor must call the New Cumberland DDSP customer service number, 800-307-8496 and provide the following information: contract number, item name, National Stock Number, total weight and cube, and vendor. All shipments to this MILSTRIP address code (W25G1U) are for mission stock and they will need to know that as well, but if you have instructions from the Contracting Officer to use MILSTRIP address code W25N14 instead, you must inform the appointment-taker that the delivery is for Consolidation and Containerization Point (CCP) stock. Appointments for FOB Origin shipments should be coordinated with DCMA Transportation.

875670/ 875675	W62G2T	Transportation Officer XU Def Dist Depot San Joaquin 25600 S Chrisman Rd Rec Whse 10 Tracy, Ca 95376-5000	Transportation Officer XU Def Dist Depot San Joaquin 25600 S Chrisman Rd Rec Whse 10 Tracy, Ca 95376-5000	Transportation Officer Dist Depot San Joaquin P O Box 96001 Stockton, CA 95296-0130
471995/ 471996	W31G1Z	Transportation Officer Anniston Army Depot, Bynum, AL	Transportation Officer Anniston Army Depot, Bynum, AL	Transportation Officer Anniston Army Depot, Anniston, AL 36201-5021
209741/ 209770	W25G1R	Transportation Officer Letterkenny Army Depot, Culbertson, PA	Transportation Officer Letterkenny Army Depot, Chambersburg, PA	Transportation Officer Letterkenny Army Depot, Chambersburg, PA 17201-4150
661136/ 661157	W45G19	Transportation Officer Red River Army Depot, Defense, TX	Transportation Officer Red River Army Depot, Texarkana, TX	Transportation Officer Red River Army Depot, Texarkana, TX 75507-5000

DRAFT

764538/ 764535	W67G23	Transportation Officer Tooele Army Depot, Warner, UT	Transportation Officer Tooele Army Depot, Tooele, UT	Transportation Officer Tooele Army Depot, Tooele, UT 84074-5003

***SPLC indicates Standard Point Locator Code.

NOTE: The following is applicable only when so specified in an individual order or delivery increment:

This requirement is a depot replenishment buy, a portion of which is or may be required to fill Direct Support System (DSS) requisitions. Shipment shall be made, as specified, to one or more of:

New Cumberland Army Depot
Red River Army Depot
Sharpe Army Depot

prior to shipments to any other depots as may be designated. When more than one depot is designated for DSS shipments, priority shipments will be made equally to each of the designated destinations.

[End of Clause]

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SECTION G - CONTRACT ADMINISTRATION DATA

	Regulatory Cite	Title	Date
G-1	252.232-7006	WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS	MAY/2013

(a) Definitions. As used in this clause--

"Department of Defense Activity Address Code (DoDAAC)" is a six position code that uniquely identifies a unit, activity, or organization.

"Document type" means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

"Local processing office (LPO)" is the office responsible for payment certification when payment certification is done external to the entitlement system.

(b) Electronic invoicing. The WAWF system is the method to electronically process vendor payment requests and receiving reports, as authorized by DFARS 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.

(c) WAWF access. To access WAWF, the Contractor shall--

(1) Have a designated electronic business point of contact in the System for Award Management at https://www.acquisition.gov; and

(2) Be registered to use WAWF at https://wawf.eb.mil/ following the step-by-step procedures for self-registration available at this Web site.

(d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the "Web Based Training" link on the WAWF home page at https://wawf.eb.mil/.

(e) WAWF methods of document submission. Document submissions may be via Web entry, Electronic Data Interchange, or File Transfer Protocol.

(f) WAWF payment instructions. The Contractor must use the following information when submitting payment requests and receiving reports in WAWF for this contract/order:

(1) Document type. The Contractor shall use the following document type(s).

Combo

(2) Inspection/acceptance location. The Contractor shall select the following inspection/acceptance location(s) in WAWF, as specified by the contracting officer.

See FAR 52.246-4028

(3) Document routing. The Contractor shall use the information in the Routing Data Table below only to fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

Routing Data Table*

Field Name in WAWF	Data to be entered in WAWF
Pay Official DoDAAC	Updated at contract award
Issue By DoDAAC	W56HZV
Admin DoDAAC	Updated at contract award
Inspect By DoDAAC	Updated at contract award
Ship To Code	See Schedule
Ship From Code	See Schedule
Mark For Code	See Schedule
Service Approver (DoDAAC)	Updated at contract award
Service Acceptor (DoDAAC)	Updated at contract award
Accept at Other DoDAAC	Updated at contract award
LPO DoDAAC	N/A
DCAA Auditor DoDAAC	Updated at contract award
Other DoDAAC(s)	Updated at contract award

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(4) Payment request and supporting documentation. The Contractor shall ensure a payment request includes appropriate contract line item and subline item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all relevant back-up documentation, as defined in DFARS Appendix F, (e.g. timesheets) in support of each payment request.

(5) WAWF email notifications. The Contractor shall enter the email address identified below in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system.

Updated at contract award

(g) WAWF point of contact. (1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity's WAWF point of contact.

Updated at contract award

(2) For technical WAWF help, contact the WAWF helpdesk at 866-618-5988.

(End of clause)

G-2 252.204-0001 LINE ITEM SPECIFIC: SINGLE FUNDING SEP/2009
(DFARS PGI)

The payment office shall make payment using the ACRN funding of the line item being billed.

(End)

G-3 252.204-0005 PAYMENT INSTRUCTIONS FOR THE DEFENSE FINANCE AND ACCOUNTING SERVICE SEP/2009
(DFARS PGI) (DFAS) - Line Item Specific: by Cancellation Date

The payment office shall make payment using the ACRN with the earliest cancellation date first, exhausting all funds in that ACRN before disbursing funds from the next. In the event there is more than one ACRN associated with the same cancellation date, the payment amount shall be disbursed from each ACRN with the same cancellation date in the same proportion as the amount of funding obligated for each ACRN with the same cancellation date.

[End of Clause]

G-4 52.227-4004 RELEASE OF INFORMATION OCT/2012
(TACOM)

The contractor shall ensure that he complies with the requirements of Chapter 5, page 22, paragraph 5-48, of AR 360-1, The Army Public Affairs Program, dated 25 May 2011, prior to contemplated release of any procurement information. Approval of the Contracting Officer is required prior to release of any such information. AR 360-1 may be found at

http://armypubs.army.mil/epubs/pdf/R360_1.pdf

[End of Clause]

G-5 52.232-4087 PAYMENT UNDER WIDE AREA WORKFLOW (ACC WARREN) AUG/2012

To obtain payment, WAWF requires the contractor to input/indicate the various DoDAAC (Department of Defense Activity Address Code) codes that apply to the acquisition. These codes can be found on the cover page of contracts/orders as described below.

The document type the contractor shall use is as follows:

- "Combo" is entered if the award is for supplies or supplies and services are being delivered.
- "2in1" is entered if the award is strictly for services being provided/delivered.

USE THE FOLLOWING CODES TO ROUTE YOUR INVOICES THROUGH WAWF:

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- Your firms CAGE code (found in Block 15A of SF 33; Block 17a of SF 1449; Block 14 of SF 1442; Block 7 of SF 26)
- Issue and Admin DoDAAC Code (found in Block 7 of SF 33; Block 9 of SF 1449; Block 7 of SF 1442; Block 5 of SF 26)
- Ship-To DoDAAC Code (if deliverables are involved) (found in Section B of the contract where SF 33, SF 1442, or SF 26 is the cover page; Block 15 of SF 1449)
- Accept-By DoDAAC Code: If Inspection/Acceptance is Origin, use the Admin (DCMA)DoDAAC or the DoDAAC of the inspection/acceptance office if different than the Admin DoDAAC; if Destination, use the Ship-To DODAAC Code. If Accepted-By Other: enter the DoDAAC of the activity designated to perform acceptance.
- Payment DoDAAC Code. (found in Block 25 of SF 33; Block 18a of SF 1449; Block 27 of SF 1442; Block 12 of SF 26)

The paying office DoDAAC and mailing address is located on the first page of the award. To track the status of your invoice, click on the link, Pay status (myInvoice-External link) at the bottom of the left-hand menu.

If your paying office is Columbus, direct any payment-related questions to the Defense Finance Accounting Services (DFAS) Columbus at 1-888-756-4571. Please have your order number and invoice ready when calling about payment status. If your paying office is other than Columbus, contact your contract administrator for the customer service phone/fax numbers.

[End of Clause]

G-6 52.242-4011 WORK DIRECTIVES FEB/1998
(TACOM)

(a) A portion of the services under this contract shall be performed in accordance with Work Directives signed by the Contracting Officer. Sections of the scope performed in accordance with Work Directives include C.3. Each Work Directive shall include, but not necessarily be limited to, the following information:

(1) Reference to specific requirement(s) of Section C of this Contract under which the work is to be performed, such as: Systems Engineering to include Engineering Change Proposals (ECPs) and Value Engineering Change Proposals (VECPs), General Field Service Representative Technical Support, Logistics Products, and Fielding of the JLTV.

(2) Objective of the work to be performed.

(3) Number of hours to accomplish the work.

(4) Estimated completion date as applicable.

(5) Identification of the Contract Line Item Number (CLIN) under which the work is to be performed.

(6) Relative priority of the work to be performed, if applicable. Work shall be performed in sequential order unless otherwise stated.

(b) The Government has the unilateral right to increase, decrease and prioritize the work to be performed hereunder by the issuance of Work Directives by the Contracting Officer. It is understood and agreed that such adjustments shall be made within the general scope of work and level of effort of the contract and without equitable adjustment thereto.

(c) If, at any time, the Contractor has reason to believe that the hours which it expects to incur in the performance of a Work Directive, when added to all hours incurred previously in performance of such Work Directive, shall exceed the estimated total hours set forth in the Work Directive, the Contractor shall notify in writing the Procuring Contracting Officer and Technical Representative for their appropriate action. The Contractor shall furnish a revised statement of total hours to complete such work together with said notice. Said notice must be furnished as early as possible and prior to the incurrence of additional hours.

(End of Clause)

G.1. Payment Instructions

G.1.1. In accordance with DFARS 204.7108, payment instructions are provided in G.1.2 and G.1.3 below:

G.1.2. Progress Payment eligible line items.
In accordance with DFARS PGI 204.7108(d) (12), other the payment office shall make progress payments for product-oriented CLINs and SubCLINS stated below:

Use the table below to identify the product-oriented CLINs eligible for progress payments in accordance with Clause 52.232-16 contained

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within Section I of this contract:

General Purpose Vehicles

First Article Test CLINs: 0001 and 1001
US Army CLINs: 0101, 1101, 2101, 3101, 4101, 5101, 6101, 7101, and 8101
USMC CLINs: 0201, 1201, 2201, 3201, 4201, 5201, 6201, 7201, and 8201

Heavy Guns Carrier Vehicles

First Article Test CLINs: 0002 and 1002
US Army CLINs: 0102, 1102, 2102, 3102, 4102, 5102, 6102, 7102, and 8102
USMC CLINs: 0202, 1202, 2202, 3202, 4202, 5202, 6202, 7202, and 8202

Close Combat Weapons Carrier Vehicles

First Article Test CLINs: 0003 and 1003
US Army CLINs: 0103, 1103, 2103, 3103, 4103, 5103, 6103, 7103, and 8103
USMC CLINs: 0203, 1203, 2203, 3203, 4203, 5203, 6203, 7203, and 8203

Utility Vehicles

First Article Test CLINs: 0004 and 1004
US Army CLINs: 0104, 1104, 2104, 3104, 4104, 5104, 6104, 7104, and 8104
USMC CLINs: 0204, 1204, 2204, 3204, 4204, 5204, 6204, 7204, and 8204

Trailers

First Article Test CLINs: 0005 and 1005
US Army CLINs: 0105, 1105, 2105, 3105, 4105, 5105, 6105, 7105, and 8105
USMC CLINs: 0205, 1205, 2205, 3205, 4205, 5205, 6205, 7205, and 8205

General Purpose Installed Kits

First Article Test CLINs: 0006 and 1006
US Army CLINs: 0106, 1106, 2106, 3106, 4106, 5106, 6106, 7106, and 8106
USMC CLINs: 0206, 1206, 2206, 3206, 4206, 5206, 6206, 7206, and 8206

Heavy Guns Carrier Installed Kits

First Article Test CLINs: 0007 and 1007
US Army CLINs: 0107, 1107, 2107, 3107, 4107, 5107, 6107, 7107, and 8107
USMC CLINs: 0207, 1207, 2207, 3207, 4207, 5207, 6207, 7207, and 8207

Close Combat Weapons Carrier Installed Kits

First Article Test CLINs: 0008 and 1008
US Army CLINs: 0108, 1108, 2108, 3108, 4108, 5108, 6108, 7108, and 8108
USMC CLINs: 0208, 1208, 2208, 3208, 4208, 5208, 6208, 7208, and 8208

Utility Installed Kits

First Article Test CLINs: 0009 and 1009
US Army CLINs: 0109, 1109, 2109, 3109, 4109, 5109, 6109, 7109, and 8109
USMC CLINs: 0209, 1209, 2209, 3209, 4209, 5209, 6209, 7209, and 8209

Trailer Installed Kits

First Article Test CLINs: 0010
US Army CLINs: 0110, 1110, 2110, 3110, 4110, 5110, 6110, 7110, and 8110
USMC CLINs: 0210, 1210, 2210, 3210, 4210, 5210, 6210, 7210, and 8210

General Purpose Packaged Kits

First Article Test CLINs: 0011 and 1011

DRAFT

US Army CLINs: 0111, 1111, 2111, 3111, 4111, 5111, 6111, 7111, and 8111
USMC CLINs: 0211, 1211, 2211, 3211, 4211, 5211, 6211, 7211, and 8211

Heavy Combat Carrier Packaged Kits

First Article Test CLINs: 0012 and 1012
US Army CLINs: 0112, 1112, 2112, 3112, 4112, 5112, 6112, 7112, and 8112
USMC CLINs: 0212, 1212, 2212, 3212, 4212, 5212, 6212, 7212, and 8212

Close Combat Weapons Carrier Packaged Kits

First Article Test CLINs: 0013 and 1013
US Army CLINs: 0113, 1113, 2113, 3113, 4113, 5113, 6113, 7113, and 8113
USMC CLINs: 0213, 1213, 2213, 3213, 4213, 5213, 6213, 7213, and 8213

Utility Packaged Kits

First Article Test CLINs: 0014 and 1014
US Army CLINs: 0114, 1114, 2114, 3114, 4114, 5114, 6114, 7114, and 8114
USMC CLINs: 0214, 1214, 2214, 3214, 4214, 5214, 6214, 7214, and 8214

Trailer Packaged Kits

First Article Test CLINs: 0015 and 1015
US Army CLINs: 0115, 1115, 2115, 3115, 4115, 5115, 6115, 7115, and 8115
USMC CLINs: 0215, 1215, 2215, 3215, 4215, 5215, 6215, 7215, and 8215

Packaged Kits

First Article Test CLINs: 0016 and 1016
US Army CLINs: 0116, 1116, 2116, 3116, 4116, 5116, 6116, 7116, and 8116
USMC CLINs: 0216, 1216, 2216, 3216, 4216, 5216, 6216, 7216, and 8216

Test Hardware

First Article Test CLINs: 0019 and 1019
US Army CLINs: 0119, 1119, 2119, 3119, 4119, 5119, 6119, 7119, and 8119
USMC CLINs: 0219, 1219, 2219, 3219, 4219, 5219, 6219, 7219, and 8219

JLTV-FoV Refurbishment

First Article Test CLINs: 0021 and 1021
US Army CLINs: 0121, 1121, 2121, 3121, 4121, 5121, 6121, 7121, and 8121
USMC CLINs: 0221, 1221, 2221, 3221, 4221, 5221, 6221, 7221, and 8221

Engineering Change Order Implementation

First Article Test CLINs: 0023 and 1023
US Army CLINs: 0123, 1123, 2123, 3123, 4123, 5123, 6123, 7123, and 8123
USMC CLINs: 0223, 1223, 2223, 3223, 4223, 5223, 6223, 7223, and 8223

(End of Table)

The payment office shall make payment using the ACRN with the earliest cancellation date first, exhausting all funds in that ACRN before disbursing funds from the next. In the event there is more than one ACRN associated with the same cancellation date, the payment amount shall be disbursed from each ACRN with the same cancellation date in the same proportion as the amount of funding obligated for each ACRN with the same cancellation date.

G.1.3. Non Progress Payment Eligible line items.

Use the table below to identify the service-oriented CLINs that shall not be paid under progress payments and shall be billed on a monthly basis based on costs incurred in accordance with Clauses 52.232-1, 52.232-25, and 52.216-7 contained within Section I of this contract.

For System Engineering / Program Management (SEPM), the PCO will notify DCMA if all acceptance criteria have been met for each month

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billed and will authorize payment for each month billed by the contractor within 10 business days of receiving the contractors request.

For Care and Storage, the PCO will notify DCMA for the number of days the contractor can bill under the CLIN within 10 business days of receiving CDRL C095.

System Engineering / Program Management

BILLING/PAYMENT METHOD: Firm Fixed Price Monthly Billing
US Army CLINs: 0117, 1117, 2117, 3117, 4117, 5117, 6117, 7117, and 8117
USMC CLINs: 0217, 1217, 2217, 3217, 4217, 5217, 6217, 7217, and 8217

Storage and Maintenance of Vehicles

BILLING/PAYMENT METHOD: Firm Fixed Price Monthly Billing
US Army CLINs: 0118, 1118, 2118, 3118, 4118, 5118, 6118, 7118, and 8118
USMC CLINs: 0218, 1218, 2218, 3218, 4218, 5218, 6218, 7218, and 8218

Test Support

BILLING/PAYMENT METHOD: Firm Fixed Price Monthly Billing
First Article Test CLINs: 0020
US Army CLINs: 0120, 1120, 2120, 3120, 4120, 5120, 6120, 7120, and 8120
USMC CLINs: 0220, 1220, 2220, 3220, 4220, 5220, 6220, 7220, and 8220

Interim Contractor Support

BILLING/PAYMENT METHOD: Cost-Reimbursement Monthly Billing
US Army CLINs: 0125, 1125, 2125, 3125, 4125, 5125, 6125, 7125, and 8125
USMC CLINs: 0225, 1225, 2225, 3225, 4225, 5225, 6225, 7225, and 8225

Total Package Fielding

BILLING/PAYMENT METHOD: Cost-Reimbursement Monthly Billing
US Army CLINs: 0126, 1126, 2126, 3126, 4126, 5126, 6126, 7126, and 8126
USMC CLINs: 0226, 1226, 2226, 3226, 4226, 5226, 6226, 7226, and 8226

Technical Data Package

BILLING/PAYMENT METHOD: To be determined
US Army CLINs: 0128, 1128, 2128, 3128, 4128, 5128, 6128, 7128, and 8128
USMC CLINs: 0228, 1228, 2228, 3228, 4228, 5228, 6228, 7228, and 8228

(End of Table)

The payment office shall make payment using the ACRN with the earliest cancellation date first, exhausting all funds in that ACRN before disbursing funds from the next. In the event there is more than one ACRN associated with the same cancellation date, the payment amount shall be disbursed from each ACRN with the same cancellation date in the same proportion as the amount of funding obligated for each ACRN with the same cancellation date.

G.2 Billing Instructions

G.2.1 The vendor shall submit invoices as defined in tables within G.1.2 and G.1.3 above. The vendor shall utilize the shares defined in table below when submitting their monthly billings:

CLIN **XX17 System Engineering / Program Management

USA Share: 67%
USMC SHARE: 33%

RATIONALE: The SEPM CLINs will be split out based on the pro-rata cost share. This cost share ratio will be applicable for the base award and option periods 1-7, for option period 8 through the end of the contract this cost share ratio will not apply, and the costs will be attributable in its entirety to the Army. For the base award, the share ratio is applicable while the combined value of SEPM CLINs 0117 and 0217 is less than $1,515,151.52. At all combined values greater than or equal to $1,515,151.52, the USMC will pay $500,000.00 and the USA will fund the remainder of the combined CLINs value.

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CLIN **XX18 Storage and Maintenance of Vehicles

USA SHARE: Non-attributable costs 67%
USMC SHARE: Non-attributable costs 33%

RATIONALE: For costs that are not directly attributable to a service a pro-rata share of 67/33 applies for the base award and option periods 1-7, and for option period 8 through the end of the contract it will be attributable to the Army. The directly attributable costs will be split based on the number of actual days a vehicle is in storage.

CLIN **XX20 Test Support

USA Share 67%
USMC SHARE 33%

RATIONALE: The Test Support CLINs will be split out based on the pro-rata cost share based on actuals. This cost share ratio will be applicable for the base award and option periods 1-7, for option period 8 through the end of the contract this cost share ratio will not apply, and these costs will be attributable in its entirety to the Army.

CLIN **XX22 Integrated Contractor Support

USA Share 67%
USMC SHARE 33%

RATIONALE: The IPS CLINs will be split out based on the pro-rata cost share while the value of base award IPS CLINs are less than $3,030,303.03. Base award IPS CLINs equal to or greater than $3,030,303.03 will be funded via the USMC at $1,000,000.00 and the balance of the base award IPS CLINs will be funded by the USA.

CLIN **XX24 System Technical Support

USA SHARE: Work Directives Defines the cost share.
USMC SHARE: Work Directives Defines the cost share.

RATIONALE: The costs share ratio will be defined in each STS work directive with the applicable percentage for each service.

CLIN **XX25 Interim Contractor Support

USA SHARE: 67%
USMC SHARE: 33%

RATIONALE: The ICS CLINs will be split out based on the pro-rata cost share. This cost share ratio will be applicable for the base award and option periods 1-7, for option period 8 through the end of the contract this cost share ratio will not apply, and the costs will be will be attributable in its entirety to the Army.

CLIN **XX26 Total Package Fielding

USA SHARE: Non-attributable costs 67%
USMC SHARE: Non-attributable costs 33%

RATIONALE: For costs that are not directly attributable to a service a pro-rata share of 67/33 applies for the base award and option periods 1-7, and for option period 8 through the end of the contract it will be attributable to the Army. For costs that are directly attributable to a service, these costs will be charged against the respective service.

**XX = The first X represents the option year and the second X represents (1 for Army or 2 for USMC)
(End of Table)

*** END OF NARRATIVE G0001 ***

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SECTION H - SPECIAL CONTRACT REQUIREMENTS

	Regulatory Cite	Title	Date
H-1	252.222-7006	RESTRICTIONS ON THE USE OF MANDATORY ARBITRATION AGREEMENTS	DEC/2010
H-2	52.204-4005	REQUIRED USE OF ELECTRONIC CONTRACTING	AUG/2012

(a) All contract awards, modifications and delivery orders issued by Army Contracting Command - Warren (DTA) will be issued electronically. The contractor has the option to receive these actions either via the Worldwide Web (WWW) or Electronic Data Interchange (EDI). Many provisions/clauses that appear "by reference," meaning only clause titles and regulation site are listed; their full texts can be found at the website http://farsite.hill.af.mil/

(b) In order to be eligible to receive an award under this solicitation, the successful offeror must be registered with the Department of Defense (DOD) System for Award Management (SAM). The SAM registration process may be done electronically at the World Wide Web (WWW) site: https://www.sam.gov/portal/public/SAM. (In order to be registered to use EDI, you must use the long form for registration. Certification information, including information on the EDI 838 TPP, must be furnished to the Contracting Officer within 60 calendar days after contract award to complete networking requirements within the Government.)

(c) Worldwide Web Distribution. The contractor will receive an electronic Notice of the Award, Modification, or Delivery Order via e-mail. If you choose the WWW option, you must download the file from the appropriate Army Contracting Command - Warren webpage:

Warren: http://contracting.tacom.army.mil/CFDATA/AWARDS/AWARD_RPT01.cfm
Rock Island - JMTC: https://acquisition.army.mil/asfi/
Red River Army Depot: https://acquisition.army.mil/asfi/
Anniston Army Depot: https://acquisition.army.mil/asfi/

(d) Electronic Data Interchange. If you choose to receive contract awards, modifications and delivery orders through EDI, they will be delivered electronically via the Federal Acquisition Network (FACNET). Federal Standard Version 3050 of Standard X12 from the American National Standards Institute (ANSI) will be used as the format for these electronic transactions.

(1) You must complete the EDI 838 Trading Partner Profile, and must agree (i) to subcontract with a DoD certified VAN or Value Added Service (VAS) provider, or (ii) to become DoD certified as a Value Added Network (VAN). The EDI 838 Training Partner Profile is contained in the basic SAM registration form and includes portions of the registration form which are titled "Optional".

(2) You must select a VAN from the official DoD approved list. DoD Certified VANs are listed at http://www.acq.osd.mil/dpap/ebiz/VANs.htm . If your VAN is later removed from the official list, or if you voluntarily drop your initially selected VAN, then you must switch to a VAN that remains on the official DoD approved list. You must maintain an active account on a DoD approved VAN for the entire duration of the contract, beginning no later than the 60th day after award.

(e) Unless otherwise specified elsewhere in the contract, all data items you are required to provide under this contract must be submitted electronically. Please go to the following webpage for detailed information about submitting your offer electronically: http://contracting.tacom.army.mil/acqinfo/ebidnotice.htm

(f) Additional information can be obtained by sending a message to: usarmy.detroit.acc.mbx.wrn-web-page@mail.mil or by calling (586) 282-7059.

H.1 Options

H.1.1 General

a. The Government will not exercise any option later than eight years after the contract award date. Deliveries or the period of performance, under these options may continue beyond the eight years.

b. All option CLINs may be exercised by the Government in one or more increments. All prices shall be determined by the option period in which the hardware or service is procured in accordance with Attachment 0060 Option Prices.

c. The Government reserves the right to exercise options in accordance with the option period dates defined below:

1. Option Period One: Date of Contract award through 366 days after contract award

2. Option Period Two: 367 days after contract award through 732 days after contract award

3. Option Period Three: 733 days after contract award through 1098 days after contract award

DRAFT

4. Option Period Four: 1099 days after contract award through 1464 days after contract award

5. Option Period Five: 1465 days after contract award through 1831 days after contract award

6. Option Period Six: 1832 days after contract award through 2197 days after contract award

7. Option Period Seven: 2198days after contract award through 2563 days after contract award

8. Option Period Eight: 2564 days after contract award through 2929 days after contract award

H.1.2. Range Pricing, Initiating Orders, Top-Up Periods, and Top-Up Orders: This contract utilizes range pricing to determine unit prices for vehicles (H.1.3.1) and kits (H.1.3.3) as identified in Attachment 0060. Attachment 0060 identifies the unit price that will be paid when the quantity of hardware is procured within identified quantity ranges for the four seat configurations (GP, CCWC, HGC) and the two seat configuration (Utility). In the event that additional items are procured within a Top-Up Period, the cumulative total quantity of hardware procured on the initiating award and the subsequent awards within the top-up period will be used to determine the price range for the subsequently awarded hardware.

All exercised options to procure vehicles or kits under this contract are classified as either an initiating award or as a Top-Up Award. An Initiating Award is defined as either 1) the base award or 2) any exercised option to procure the same vehicle variant (i.e. four-seat or two-seat) or the same kit(s) that is not exercised during an applicable Top-Up Period. A Top-Up Period is defined as the date of an initiating award plus 60 calendar days. Exercised options which procure additional quantities of the same vehicle variants or the same kit(s) shall be referred to as Top-Up Awards. Top-Up Periods are independent of and may span across option periods.

For example, suppose an Initiating Award to procure 599 Silent Watch Energy Storage Kits is exercised on the last day of Option Period 2; the price for these 599 kits would come from Option Period 2, Range 2 unit prices. Suppose that on the following day (the first day of Option Period 3) the Government exercises an option to procure one Silent Watch Energy Storage Kit. The combined quantity of 600 Silent Watch Energy Storage Kits (599 from the Option Period 2 Initiating Award and 1 from the Option Period 3 Top-Up Award) results in Range 3 prices for the Top-Up Award. The unit price paid for the 1 unit procured during Option Period 3 is therefore priced at the Option Period 3, Range 3 unit price. There is not a backward adjustment for price paid for the Initiating Award of 599 units during Option Period 2.

Multiple Top-Up Awards may be placed during a 60-day Top-Up Period; however, a Top-Up Award does not extend a Top-Up Period. Initiating Awards and Top-Up Periods are unique to the vehicle variant or specific kit being procured, e.g. an Initiating Award for armor kits does not start a vehicle Top-Up Period.

H.1.3 Firm Fixed Price Options

H.1.3.1. Vehicles. By written notification to the Contractor, the Government reserves the right to unilaterally exercise options for up to 16,700 vehicles on a firm fixed price basis in any increment regardless of the JLTV mission package mix (GP, HGC, CCWC, UTL) and the option period which vehicles are ordered under this contract. Vehicle options will be exercised in accordance with the Attachment 0060. Option Prices will be based on the period that the option is exercised and not the period of delivery (e.g. if vehicle options are exercised in the Second Option period and delivered in the Third Option Period, the Government will use the Second Option Period prices).

H.1.3.1.1 The Government requires deliveries to begin no later than 10 months after exercise of an option(s) and end no later than 22 months after exercise of an option, unless mutually agreed upon by the parties.

H.1.3.2 Trailers. By written notification to the Contractor, the Government reserves the right to unilaterally exercise options for up to 32 JLTV Trailers on firm fixed price basis and in any increment regardless of the option period which trailers are ordered under this contract. Trailer options will be exercised in accordance with Attachment 0060. Option Prices will be based on the period that the option is exercised and not the period of delivery (e.g. if trailer options are exercised in the Second Option period and delivered in the Third Option Period, the Government will use the Second Option Period prices).

H.1.3.2.1 The Government requires deliveries to begin no later than six months after exercise of an option(s) and end no later than 18 months after exercise of an option, unless mutually agreed upon by the parties.

H.1.3.3 Packaged and Installed Kits. By written notification to the Contractor, the Government reserves the right to unilaterally exercise options for up to 164,697 packaged and installed kits on a firm fixed price basis and in any increment regardless of the kit quantity for packaged or installed kit configuration for each option period under this contract. Kit options will be exercised in accordance with Attachment 0060. Option Prices will be based on the period that the option is exercised and not the period of delivery (e.g. if kit options are exercised in the Second Option Period and delivered in the Third Option Period, the Government will use the Second Option Period prices).

H.1.3.3.1 The Government requires deliveries to begin no later than 10 months after exercising the option(s) and end no later than 22

DRAFT

months after exercise of an option, unless mutually agreed upon by the parties.

H.1.3.4 System Engineering/Program Management (SEPM). By written notification to the Contractor, the Government reserves the right to unilaterally exercise options for up to 115 Months of SEPM on a firm fixed price basis. SEPM options will be exercised in accordance with Attachment 0060. The option periods defined in Attachment 0060 indicate the option period when the applicable SEPM may be ordered. Performance of the applicable SEPM for that option period may continue into the following option period. SEPM options will be exercised in monthly increments following the six month period of performance in the base contract. For option periods 1 through 7, the Government may exercise up to 12 months of SEPM during each option period. All remaining option months may be exercised in option period eight.

The period of performance for the SEPM services shall not exceed 121 months after the date of award of this contract.

H.1.3.5 Storage and Maintenance of Vehicles. By written notification to the contractor, the Government reserves the right to unilaterally exercise options for up to 2,169,930 vehicle days of Storage and Maintenance for Vehicles on a firm fixed price basis regardless of the JLTV mission package mix (GP, HGC, CCWC, UTL) and the option period which storage and maintenance is ordered under this contract. Storage and Maintenance of Vehicles options will be exercised in accordance with Attachment 0060.

A vehicle day shall include any and all costs associated with labor, material and ODC required to perform all Storage and Maintenance of Vehicles for a single vehicle for a given day in accordance with the Section C Paragraphs set forth in Attachment 0060.

The period of performance for Care and Storage shall not exceed 121 months after the date of award of this contract.

H.1.3.6 Test Hardware. By written notification to the contractor, the Government reserves the right to unilaterally exercise options for up to 224 ea Test Hardware on a firm fixed price basis in any increments during Option Periods One through Three. The Government reserves the right to unilaterally exercise these options regardless of the Test Hardware mix quantity. Test Hardware options will be exercised in accordance with Attachment 0060.

H.1.3.6.1 The Government requires deliveries to begin no later than one month after exercising the option(s) and end no later than 18 months after award, unless mutually agreed upon by the parties.

H.1.3.7 Test Support. By written notification to the contractor, the Government reserves the right to unilaterally exercise options for up to 4 lots of Test Support on a firm fixed price basis. Test Support options may be exercised in increments of one lot per Option Period for each Option Periods One through Four. Test Support options will be exercised in accordance with Attachment 0060. The contractor shall provide Test Support in accordance with Attachments 0056 and 0060. Test Support lot options will be exercised in yearly increments following the six month period of performance in the base contract.

The period of performance for Test Support shall not exceed 54 months after the date of award of this contract.

H.1.3.8 JLTV-FoV Refurbishment. By written notification to the contractor, the Government reserves the right to unilaterally exercise options for up to 97 JLTV-FoV Refurbishment on a firm fixed price basis in any increment during Option Periods One through Five. JLTV-FoV Refurbishment options will be exercised in accordance with Attachment 0060. The three Automatic Fire Extinguishing System (AFES) vehicles shall be delivered eight months after contract award at the contractors facilities. For the remaining 94 vehicle refurbished assets delivery shall be three months after contract award and delivery of the vehicles at the contractors facilities. Option Prices will be based on the period that the option is exercised and not the period of delivery (e.g. if a JLTV-FoV Refurbishment options are exercised in the Second Option period and with completion occurring in the Third Option Period, the Government will use the Second Option Period prices).

H.1.3.9 Technical Data Package (TDP). The Government reserves the right to exercise an option to purchase one TDP on a firm fixed price basis. The TDP option will be exercised in accordance with Attachment 0060.

H.1.3.9.1 The contractors identification and assertion of use, release, or disclosure of restrictions submitted in accordance with DFARS 252.227-7017 will be incorporated as an attachment prior to award.

H.1.3.9.2 The Government requires deliveries to begin no later than six months after exercising the option and end no later than 12 months after award, unless mutually agreed upon by the parties.

H 1.4 Cost Plus Fixed Fee Options

H.1.4.1 System Technical Support (STS). The Government reserves the right to exercise options for up to 2,400,000 man-hours of STS on a cost plus fixed fee basis. The individual work directive will define if it is CPFF term or completion effort. These 2,400,000 man-hours may be exercised in any increment regardless of the option period. STS Options will be exercised in accordance Attachment 0060. All STS efforts shall be performed in accordance with Work Directives issued by the PCO in accordance with Clause 52.242-4011 and Section C.3.1 of this contract. Option costs will be based on the period that the option is exercised and not the period of completion (e.g. if STS Work Directives are issued in the Second Option Period and completed in the Third Option Period, the Government will use the Second Option Period costs). All Other Direct Costs (ODCs) for STS shall be negotiated with each Work Directive. The Government

DRAFT

will utilize the material handling rate in attachment 0060 for the option period in which the option is exercised.

The period of performance for STS shall not exceed 121 months after the date of award of this contract.

H.1.4.2 Interim Contractor Support (ICS). The Government reserves the right to exercise up to 700,000 man-hours of ICS on a cost plus fixed fee term basis in any increment regardless of CONUS or OCONUS place of performance, ICS may be exercised in any increments during Option Periods three through five. ICS Options will be exercised in accordance with Attachments 0050 and 0060. All Other Direct Costs (ODCs) for ICS shall be negotiated prior to negotiating each option in accordance with C.4.2. The Government will utilize the material handling rate in attachment 0060 for the option period in which the option is exercised.

The period of performance for ICS shall not exceed 70 months after the date of award of this contract.

H.1.4.3 Total Package Fielding (TPF). The Government reserves the right to exercise up to 830,000 man-hours of TPF on a cost plus fixed fee term basis in any increment regardless of, CONUS or OCONUS place of performance. TPF may be awarded in any increment during Option Periods three through eight. TPF Options will be exercised in accordance with Attachments 0050 and 0060. All Other Direct Costs (ODCs) for TPF shall be negotiated prior to negotiating each option in accordance with C.5.1.2. The Government will utilize the material handling rate in attachment 0060 for the option period in which the option is exercised.

The period of performance for TPF shall not exceed 121 months after the date of award of this contract.

H.2 Reinstatable Production Baseline Requirements

H.2.1 The PQT results will be utilized to establish a production baseline. In addition to the requirements set forth in Attachment 0001, all other threshold requirements set forth in Attachment 0087 will also be assessed during PQT. For those requirements set forth in Attachment 0087, the level of performance that is demonstrated at PQT will become part of the production baseline and added into Attachment 0001 via a contract modification at no additional cost to the government.

H.3 PROGRAM SECURITY AND PUBLIC RELEASE

H.3.1 Protection and Disclosure of JLTV program Information shall be in accordance with DFARS 252.204-7000.

H.4 ADDITIONAL PROGRAM PROTECTION REQUIREMENTS

The following incidents and situations shall be reported through the Facility Security Officer to the nearest U.S. Army Counterintelligence (CI) office and the Defense Security Service as required by DoD 5220.22-M, National Industrial Security Program Operating Manual. If the U.S. Army CI office is not readily available, the FSO or representative security individual will report the information to the program Government Security Office, which will ensure that reports are relayed, within 24 hours, IAW AR 381-12, Threat and Awareness Reporting Program, to U.S. Army CI:

a. Attempts by unauthorized persons to obtain classified or unclassified information concerning U.S. Army facilities, activities, personnel, technology, or material through questioning, elicitation, trickery, bribery, threats, coercion, blackmail, photography, observation, collection of documents or material, correspondence, or computer hacking

b. Known, suspected, or contemplated acts of espionage.

c. Contacts with persons whom they know or suspect to be members of or associated with foreign intelligence, security, or terrorist organizations. These do not include contacts as a part of official duties.

d. Contacts with any official or other citizen of a foreign country when that person

(l) Exhibits excessive knowledge or undue interest about the employee or his duties
(2) Exhibits undue interest in U.S. technology; research, development, testing, and evaluation efforts; weapons systems; or scientific information
(3) Attempts to obtain classified or unclassified information
(4) Attempts to place employee under obligation through special treatment, favors, gifts, money, or other means
(5) Attempts to establish any type of business relationship that is outside the range of normal official duties

e. All incidents in which employees or their family members traveling to or through foreign countries are

(l) Subjected to questions regarding their duties
(2) Requested to provide military information
(3) Threatened, coerced, or pressured in any way to cooperate with a foreign intelligence service or foreign government official

DRAFT

(4) Offered assistance in gaining access to people or locations not routinely afforded Americans.
(5) Contacted by foreign government law enforcement, security, or intelligence officials

f. Information concerning any international or domestic terrorist activity or sabotage that poses an actual or potential threat to Army or other U.S. facilities, activities, personnel, or resources.

g. Any known or suspected illegal diversion or attempted illegal diversion of U.S. technology to a foreign country.

h. Active attempts to encourage employees to violate laws, disobey lawful orders or regulations, or disrupt military activities (subversion).

i. Known or suspected acts of treason.

j. Participation in activities advocating or teaching the overthrow of the United States by force or violence or seeking to alter the form of Government by unconstitutional means (sedition).

k. Known, suspected, or attempted intrusions into classified or unclassified information systems by unauthorized users or by authorized users attempting to gain unauthorized access. (See CUI Attachment for further definitions and instructions.)

l. Any situation involving coercion, influence, or pressure brought to bear on employees through family members residing in foreign countries.

H.5 Economic Price Adjustment

H.5.1 The purpose of this clause is to provide economic price adjustments, upward or downward, for the JLTV program, for only the vehicle production CLINs ordered in Option Periods 6, 7, and 8. For Option Period 6, the applicable CLINs are 6101-6104 and 6201-6204. For Option Period 7, the applicable CLINs are 7101-7104 and 7201-7204. For Option Period 8, the applicable CLINs are 8101-8104. This clause applies to the aforementioned vehicle CLINs only; no adjustment will be applied to installed or packaged kits or any other hardware or services.

H.5.2 The contractor warrants that the prices set forth in this clause do not include allowances for any contingency to the extent covered by this clause.

H.5.3 Regardless of the actual cost during the performance of this contract, economic price adjustments shall be made only as provided herein.

H.5.4 Any such price adjustment shall be determined by completion of the EPA Tables located at the end of this provision and is applicable only to vehicles ordered within the future 12-month period. The adjustment period shall begin at the beginning of each option period. The contractor shall do the calculations required to complete the attached Tables for each applicable computation period shown in the Tables. The contractor shall complete a separate Table for each mission configuration package (GP, HGC, CCWC, and UTL) that has a unique Unit Price subject to Adjustment, and shall indicate in its calculations to which CLINs each table applies. Also, if the contract includes prices that vary by quantity ordered (range pricing), the contractor shall complete an EPA Table for each quantity/price.

The contractor shall submit the calculations to the Contracting Officer no later than thirty (30) days after the Bureau of Labor Statistics publishes the first available indexes (even if the publication labels the index value as preliminary) for the month that is three months prior to that shown in Column (1) of the applicable EPA Table. In all cases, not-seasonally-adjusted indexes shall be used in Column (4) of the Tables. A submittal is required even if no adjustment to the contract is deemed applicable. Submission of EPA Tables shall be at no additional cost to the Government.

Any Economic Price Adjustment will be incorporated by a contract modification, which shall include adjusted contract unit prices. If an agreement on adjustment cannot be reached prior to the first vehicle option ordered in Option Period 6,7, or 8, or within any extension granted by the Contracting Officer, the Contracting Officer may determine a reasonable adjustment in accordance with this provision, subject to contractor appeal as provided in the Disputes clause.

H.5.5 Any dispute arising under this provision shall be resolved in accordance with the Disputes clause of this contract.

H.5.6 A total of seventy percent (70%) of the original contract unit price shall be that portion of the Unit Price Subject to Adjustment, hereinafter referred to as the UPSA, for all adjustments herein. The original contract unit price is the unit price contained in the contract, for Option Period 6, 7, or 8, as applicable, at the date of the base award. The original contract unit price shall not be affected by any subsequent changes in price throughout the terms of the contract.

DRAFT

H.5.7 For computing adjustments under this clause, the price subject to adjustment shall be apportioned as shown in the Amount per Adjustment Period column (Column (2)) of the EPA Table.

H.5.8 Economic Price Adjustment Tables are contained in Attachment 0085: Column (1) is the applicable date for the start of each adjustment calculation period. Column (1) also lists the index to be used. Column (2) is the amount of contract unit price subject to adjustment within the adjustment period. Column (3) is the upper and lower index values of the non-adjustment band. Column (4) is the actual index value, which is to be the first available index value published for the month that is three months prior to the month shown in Column (1) (e.g., if the month in Column (1) is Jul 2020, use the actual index value for Apr 2020). The index value shall be used even if the Bureau of Labor Statistics labels it as preliminary. Columns (4), (5), (6), and (7) are completed at the time of each adjustment calculation.

H.5.9 Economic price adjustments to the contract price shall be made as follows for each CLIN subject to adjustment, based on the applicable initial published index:

H.5.9.1 When the actual index value (Column (4)) is within the non-adjustment band (Column (3)), no adjustment will be made.

H.5.9.2 When the actual index value in Column (4) is greater than the upper projected index value in Column (3), the difference (plus) will be entered in Column (5). When the actual index value in Column (4) is less than the lower projected index value in Column (3), the difference (minus) will be entered in Column (5).
H.5.9.3 The differences, whether plus or minus, shall be divided by the projected index value in Column (3) used to calculate the difference. The resulting percentage change shall be set forth in Column (6). That percentage shall be carried to two (2) decimal places.

H.5.9.4 The amounts in the projected Economic Price Adjustment profile set forth in Column (2) of the Economic Price Adjustment Table will be multiplied by the percentage change (plus or minus) in Column (6). The resulting amount shall be set forth in Column (7). The resulting amount shall be rounded to the nearest dollar.

H.5.9.5 The amount in Column (7) shall be the adjustment to contract unit price for the applicable CLIN.

H.5.10 Under this clause, the maximum increase to any particular vehicle unit price shall be 10% of the original contract unit price (as of the date of base contract award) for that vehicle. There shall be no limitation on the amount of decrease under this clause.

H.5.11 In the event any index cited is discontinued or substantially altered by the Bureau of Labor Statistics, the parties shall mutually agree on an appropriate substitute index to be effective as of the date of index discontinuance or alteration.

In the event an index is discontinued or substantially altered, the contractor shall notify the Contracting Officer in writing within 60 days of discontinuance or alteration. Upon such notification from the contractor, the parties will proceed to mutually establish a replacement index. If mutual agreement cannot be reached prior to the date the contractor is required to submit the applicable Economic Price Adjustment Tables, the Contracting Officer may make a unilateral index replacement. Alternatively, the parties may continue to mutually proceed to establish a replacement index. In this case, the Government may exercise options using the original contract unit price (as a billing price), pending agreement on a replacement index needed to calculate the price adjustment.

H.5.12 The contractor shall certify on a final adjusting invoice that the amounts invoiced under this contract reflect all decreases required by this clause.

H.5.13 ADJUSTMENTS PURSUANT TO THE CHANGES PROVISION Pricing actions pursuant to the Changes clause or other provisions within this contract will be priced as though there were no provision for Economic Price Adjustment.

H.5.14 INDEX AND PERCENTAGE OF UPSA The Bureau of Labor Statistics data to use, and the percentage of UPSA, shall be as follows:

Index	Unit Price Subject to Adjustment (UPSA)
PPI Code 1412, Motor Vehicles Parts	70%

H.5.15 EXAMPLES Attachment 0085 includes three (3) examples for Option Period 6, CLIN 6101, using Economic Price Adjustment Table 1, in which the actual index value exceeds the projected index value range (Example A), falls within the range (Example B), and is less than the range (Example C).

For each example, assume the CLIN 6101 original contract unit price is $250,000.

H.5.16 ECONOMIC PRICE ADJUSTMENT TABLES Attachment 0085 includes the tables shall be used for vehicle quantities in Option Periods 6, 7, and 8, for all mission configuration packages.

H.5.17 In the event the contract is modified to incorporate multi-year contract pricing all Economic Price Adjustment provisions will be removed from the contract.

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H.6 Alternate Financing Arrangements

H.6.1 Proposal and award will be based on the use of customary progress payments, in accordance with Office of the Under Secretary of Defense for Acquisition, Technology and Logistics memorandum dated April 27 2011, Subject Cash Flow Tool for Evaluating Alternative Financing Arrangements . Pursuant to the memo, after contract award, the contractor may propose alternative financing arrangements, such as performance based payments schedule, to the Contracting Officer for consideration. If a proposed performance based payment schedule is desired by the contractor, the proposed performance based schedule should be submitted which includes all performance based payment events, completion criteria, and event values along with the contractors expected expenditure profile, and any consideration being offered by the contractor for a more favorable payment structure.

H.7 Advance Change Adjustment Agreements for Engineering Change Proposals

H.7.1 Purpose and Terms. This clause establishes the procedures by which the parties agree to incorporate engineering change proposals (ECPs) under this contract without an equitable adjustment to the contract price. This clause only applies to Configuration Control Board (CCB) approved Engineering Changes (exclusive of VECPs) applicable to supplies to be delivered under this contract. The parties agree that each change that reflects a net total for an increase or decrease of $50,000.00 or less shall be a change having no effect on the contract price. The net total is in relation to the total amount of vehicles and kits (on contract and including unexercised options) affected by the ECP.

H.7.2 Procedure. When it is proposed to make a change under the Changes clause and both parties agree that such a change shall require no equitable adjustment as contemplated by paragraph (a) of this clause, the Contractor shall submit a written proposal or offer to accomplish the proposed change without an equitable adjustment. If the Contracting Officer determines no adjustment is necessary, the Contractor's proposal may be accepted by issuing a unilateral modification using an SF Form 30, Amendment of Solicitation/Modification of Contract. The modification shall (1) be issued under the Changes clause; (2) cite this clause; (3) reference the Contractor's proposal or offer; and (4) direct the changes to be made. The issuance of the modification shall constitute acceptance of the Contractor's proposal or offer, shall be binding on both parties, and shall be a full, complete and final settlement for the directed changes.

*** END OF NARRATIVE H0001 ***

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Name of Offeror or Contractor:

SECTION I - CONTRACT CLAUSES

	Regulatory Cite	Title	Date
I-1	52.202-1	DEFINITIONS	NOV/2013
I-2	52.203-3	GRATUITIES	APR/1984
I-3	52.203-5	COVENANT AGAINST CONTINGENT FEES	MAY/2014
I-4	52.203-6	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT	SEP/2006
I-5	52.203-7	ANTI-KICKBACK PROCEDURES	MAY/2014
I-6	52.203-8	CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY	MAY/2014
I-7	52.203-10	PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY	MAY/2014
I-8	52.203-12	LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS	OCT/2010
I-9	52.204-2	SECURITY REQUIREMENTS	AUG/1996
I-10	52.204-4	PRINTED OR COPIED DOUBLE-SIDED ON POSTCONSUMER FIBER CONTENT PAPER	MAY/2011
I-11	52.204-9	PERSONAL IDENTITY VERIFICATION OF CONTRACTOR PERSONNEL	JAN/2011
I-12	52.204-10	REPORTING EXECUTIVE COMPENSATION AND FIRST-TIER SUBCONTRACT AWARDS	JUL/2013
I-13	52.204-13	SYSTEM FOR AWARD MANAGEMENT MAINTENANCE	JUL/2013
I-14	52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT	AUG/2013
I-15	52.209-9	UPDATES OF PUBLICLY AVAILABLE INFORMATION REGARDING RESPONSIBILITY MATTERS	JUL/2013
I-16	52.210-1	MARKET RESEARCH	APR/2011
I-17	52.211-5	MATERIAL REQUIREMENTS	AUG/2000
I-18	52.211-15	DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS	APR/2008
I-19	52.215-2	AUDIT AND RECORDS--NEGOTIATIONS	OCT/2010
I-20	52.215-8	ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT	OCT/1997
I-21	52.215-11	PRICE REDUCTION FOR DEFECTIVE CERTIFIED COST OR PRICING DATA--MODIFICATIONS	AUG/2011
I-22	52.215-13	SUBCONTRACTOR CERTIFIED COST OR PRICING DATA--MODIFICATIONS	OCT/2010
I-23	52.215-14	INTEGRITY OF UNIT PRICES (OCT 2010) -- ALTERNATE I (OCT 1997)	OCT/1997
I-24	52.215-21	REQUIREMENTS FOR CERTIFIED COST OR PRICING DATA AND DATA OTHER THAN CERTIFIED COST OR PRICING DATA --MODIFICATIONS	OCT/2010
I-25	52.215-23	LIMITATIONS ON PASS-THROUGH CHARGES	OCT/2009
I-26	52.216-8	FIXED FEE	JUN/2011
I-27	52.219-8	UTILIZATION OF SMALL BUSINESS CONCERNS	OCT/2014
I-28	52.219-16	LIQUIDATED DAMAGES--SUBCONTRACTING PLAN	JAN/1999
I-29	52.222-1	NOTICE TO THE GOVERNMENT OF LABOR DISPUTES	FEB/1997
I-30	52.222-19	CHILD LABOR--COOPERATION WITH AUTHORITIES AND REMEDIES	JAN/2014
I-31	52.222-20	CONTRACTS FOR MATERIALS, SUPPLIES, ARTICLES, AND EQUIPMENT EXCEEDING $15,000	MAY/2014
I-32	52.222-21	PROHIBITION OF SEGREGATED FACILITIES	FEB/1999
I-33	52.222-26	EQUAL OPPORTUNITY	MAR/2007
I-34	52.222-37	EMPLOYMENT REPORTS ON VETERANS	JUL/2014
I-35	52.222-40	NOTIFICATION OF EMPLOYEE RIGHTS UNDER THE NATIONAL LABOR RELATIONS ACT	DEC/2010
I-36	52.222-43	FAIR LABOR STANDARDS ACT AND SERVICE CONTRACT LABOR STANDARDS--PRICE ADJUSTMENT (MULTIPLE YEAR AND OPTION CONTRACTS)	MAY/2014
I-37	52.222-44	FAIR LABOR STANDARDS ACT AND SERVICE CONTRACT LABOR STANDARDS--PRICE ADJUSTMENT	MAY/2014
I-38	52.222-50	COMBATING TRAFFICKING IN PERSONS	FEB/2009
I-39	52.222-54	EMPLOYMENT ELIGIBILITY VERIFICATION	AUG/2013
I-40	52.223-5	POLLUTION PREVENTION AND RIGHT-TO-KNOW INFORMATION	MAY/2011
I-41	52.223-6	DRUG-FREE WORKPLACE	MAY/2001
I-42	52.223-10	WASTE REDUCTION PROGRAM	MAY/2011
I-43	52.223-18	ENCOURAGING CONTRACTOR POLICIES TO BAN TEXT MESSAGING WHILE DRIVING	AUG/2011
I-44	52.225-13	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES	JUN/2008
I-45	52.227-1	AUTHORIZATION AND CONSENT	DEC/2007
I-46	52.227-2	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT	DEC/2007
I-47	52.227-3	PATENT INDEMNITY	APR/1984
I-48	52.227-10	FILING OF PATENT APPLICATIONS--CLASSIFIED SUBJECT MATTER	DEC/2007
I-49	52.228-7	INSURANCE--LIABILITY TO THIRD PERSONS	MAR/1996
I-50	52.229-3	FEDERAL, STATE, AND LOCAL TAXES	FEB/2013
I-51	52.229-6	TAXES--FOREIGN FIXED-PRICE CONTRACTS	FEB/2013
I-52	52.230-6	ADMINISTRATION OF COST ACCOUNTING STANDARDS	JUN/2010
I-53	52.232-1	PAYMENTS	APR/1984

DRAFT

Name of Offeror or Contractor:

	Regulatory Cite	Title	Date
I-54	52.232-2	PAYMENTS UNDER FIXED-PRICE RESEARCH AND DEVELOPMENT CONTRACTS	APR/1984
I-55	52.232-8	DISCOUNTS FOR PROMPT PAYMENT	FEB/2002
I-56	52.232-11	EXTRAS	APR/1984
I-57	52.232-17	INTEREST	MAY/2014
I-58	52.232-20	LIMITATION OF COST	APR/1984
I-59	52.232-23	ASSIGNMENT OF CLAIMS (MAY 2014) -- ALTERNATE I (APR 1984)	APR/1984
I-60	52.232-25	PROMPT PAYMENT	JUL/2013
I-61	52.232-33	PAYMENT BY ELECTRONIC FUNDS TRANSFER--SYSTEM FOR AWARD MANAGEMENT	JUL/2013
I-62	52.232-39	UNENFORCEABILITY OF UNAUTHORIZED OBLIGATIONS	JUN/2013
I-63	52.232-40	PROVIDING ACCELERATED PAYMENTS TO SMALL BUSINESS SUBCONTRACTORS	DEC/2013
I-64	52.233-1	DISPUTES (MAY 2014) -- ALTERNATE I (DEC 1991)	DEC/1991
I-65	52.233-3	PROTEST AFTER AWARD (AUG 1996) -- ALTERNATE I (JUN 1985)	JUN/1985
I-66	52.233-4	APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM	OCT/2004
I-67	52.237-3	CONTINUITY OF SERVICES	JAN/1991
I-68	52.239-1	PRIVACY OR SECURITY SAFEGUARDS	AUG/1996
I-69	52.242-1	NOTICE OF INTENT TO DISALLOW COSTS	APR/1984
I-70	52.242-2	PRODUCTION PROGRESS REPORTS	APR/1991
I-71	52.242-3	PENALTIES FOR UNALLOWABLE COSTS	MAY/2014
I-72	52.242-4	CERTIFICATION OF FINAL INDIRECT COSTS	JAN/1997
I-73	52.242-13	BANKRUPTCY	JUL/1995
I-74	52.243-1	CHANGES--FIXED PRICE	AUG/1987
I-75	52.243-1	CHANGES--FIXED PRICE (AUG 1987) -- ALTERNATE V (APR 1984)	APR/1984
I-76	52.243-2	CHANGES - COST REIMBURSEMENT (AUG 1987) -- ALTERNATE II (APR 1984)	APR/1984
I-77	52.243-6	CHANGE ORDER ACCOUNTING	APR/1984
I-78	52.244-5	COMPETITION IN SUBCONTRACTING	DEC/1996
I-79	52.244-6	SUBCONTRACTS FOR COMMERCIAL ITEMS	OCT/2014
I-80	52.245-1	GOVERNMENT PROPERTY	APR/2012
I-81	52.245-9	USE AND CHARGES	APR/2012
I-82	52.246-24	LIMITATION OF LIABILITY--HIGH-VALUE ITEMS	FEB/1997
I-83	52.247-63	PREFERENCE FOR U.S.-FLAG AIR CARRIERS	JUN/2003
I-84	52.247-68	REPORT OF SHIPMENT (REPSHIP)	FEB/2006
I-85	52.248-1	VALUE ENGINEERING	OCT/2010
I-86	52.249-2	TERMINATION FOR CONVENIENCE OF THE GOVERNMENT (FIXED-PRICE)	APR/2012
I-87	52.249-6	TERMINATION (COST REIMBURSEMENT)	MAY/2004
I-88	52.249-8	DEFAULT (FIXED-PRICE SUPPLY AND SERVICE)	APR/1984
I-89	52.249-9	DEFAULT (FIXED-PRICE RESEARCH AND DEVELOPMENT)	APR/1984
I-90	52.249-14	EXCUSABLE DELAYS	APR/1984
I-91	52.253-1	COMPUTER GENERATED FORMS	JAN/1991
I-92	252.201-7000	CONTRACTING OFFICER'S REPRESENTATIVE	DEC/1991
I-93	252.203-7000	REQUIREMENTS RELATING TO COMPENSATION OF FORMER DOD OFFICIALS	SEP/2011
I-94	252.203-7001	PROHIBITION ON PERSONS CONVICTED OF FRAUD OR OTHER DEFENSE-CONTRACT-RELATED FELONIES	DEC/2008
I-95	252.203-7002	REQUIREMENT TO INFORM EMPLOYEES OF WHISTLEBLOWER RIGHTS	SEP/2013
I-96	252.203-7003	AGENCY OFFICE OF THE INSPECTOR GENERAL	DEC/2012
I-97	252.204-7000	DISCLOSURE OF INFORMATION	AUG/2013
I-98	252.204-7002	PAYMENT FOR SUBLINE ITEMS NOT SEPARATELY PRICED	DEC/1991
I-99	252.204-7003	CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT	APR/1992
I-100	252.204-7004	ALTERNATE A, SYSTEM FOR AWARD MANAGEMENT	FEB/2014
I-101	252.204-7005	ORAL ATTESTATION OF SECURITY RESPONSIBILITIES	NOV/2001
I-102	252.204-7006	BILLING INSTRUCTIONS	OCT/2005
I-103	252.204-7012	SAFEGUARDING OF UNCLASSIFIED CONTROLLED TECHNICAL INFORMATION	NOV/2013
I-104	252.204-7015	DISCLOSURE OF INFORMATION TO LITIGATION SUPPORT CONTRACTORS	FEB/2014
I-105	252.205-7000	PROVISION OF INFORMATION TO COOPERATIVE AGREEMENT HOLDERS	DEC/1991
I-106	252.209-7004	SUBCONTRACTING WITH FIRMS THAT ARE OWNED OR CONTROLLED BY THE GOVERNMENT OF A TERRORIST COUNTRY	MAR/2014
I-107	252.209-7009	ORGANIZATIONAL CONFLICT OF INTEREST -- MAJOR DEFENSE ACQUISITION PROGRAM	DEC/2012
I-108	252.215-7000	PRICING ADJUSTMENTS	DEC/2012
I-109	252.222-7002	COMPLIANCE WITH LOCAL LABOR LAWS (OVERSEAS)	JUN/1997
I-110	252.223-7004	DRUG-FREE WORK FORCE	SEP/1988
I-111	252.223-7006	PROHIBITION ON STORAGE, TREATMENT, AND DISPOSAL OF TOXIC AND HAZARDOUS MATERIALS--BASIC	SEP/2014
I-112	252.225-7002	QUALIFYING COUNTRY SOURCES AS SUBCONTRACTORS	DEC/2012

DRAFT

	Regulatory Cite	Title	Date
I-113	252.225-7004	REPORT OF INTENDED PERFORMANCE OUTSIDE THE UNITED STATES AND CANADA--SUBMISSION AFTER AWARD	OCT/2010
I-114	252.225-7006	QUARTERLY REPORTING OF ACTUAL CONTRACT PERFORMANCE OUTSIDE THE UNITED STATES	OCT/2010
I-115	252.225-7007	PROHIBITION ON ACQUISITION OF UNITED STATES MUNITIONS LIST ITEMS FROM COMMUNIST CHINESE MILITARY COMPANIES	SEP/2006
I-116	252.225-7009	RESTRICTION ON ACQUISITION OF CERTAIN ARTICLES CONTAINING SPECIALTY METALS	OCT/2014
I-117	252.225-7012	PREFERENCE FOR CERTAIN DOMESTIC COMMODITIES	FEB/2013
I-118	252.225-7015	RESTRICTION ON ACQUISITION OF HAND OR MEASURING TOOLS	JUN/2005
I-119	252.225-7016	RESTRICTION ON ACQUISITION OF BALL AND ROLLER BEARINGS	JUN/2011
I-120	252.225-7021	TRADE AGREEMENTS--BASIC	NOV/2014
I-121	252.225-7028	EXCLUSIONARY POLICIES AND PRACTICES OF FOREIGN GOVERNMENTS	APR/2003
I-122	252.225-7030	RESTRICTION ON ACQUISITION OF CARBON, ALLOY, AND ARMOR STEEL PLATE	DEC/2006
I-123	252.225-7033	WAIVER OF UNITED KINGDOM LEVIES	APR/2003
I-124	252.225-7041	CORRESPONDENCE IN ENGLISH	JUN/1997
I-125	252.225-7048	EXPORT-CONTROLLED ITEMS	JUN/2013
I-126	252.226-7001	UTILIZATION OF INDIAN ORGANIZATIONS, INDIAN-OWNED ECONOMIC ENTERPRISES, AND NATIVE HAWAIIAN SMALL BUSINESS CONCERNS	SEP/2004
I-127	252.227-7013	RIGHTS IN TECHNICAL DATA--NONCOMMERCIAL ITEMS	FEB/2014
I-128	252.227-7014	RIGHTS IN NONCOMMERCIAL COMPUTER SOFTWARE AND NONCOMMERCIAL COMPUTER SOFTWARE DOCUMENTATION	FEB/2014
I-129	252.227-7015	TECHNICAL DATA--COMMERCIAL ITEMS	FEB/2014
I-130	252.227-7016	RIGHTS IN BID OR PROPOSAL INFORMATION	JAN/2011
I-131	252.227-7019	VALIDATION OF ASSERTED RESTRICTIONS--COMPUTER SOFTWARE	SEP/2011
I-132	252.227-7025	LIMITATIONS ON THE USE OR DISCLOSURE OF GOVERNMENT-FURNISHED INFORMATION MARKED WITH RESTRICTIVE LEGENDS	MAY/2013
I-133	252.227-7027	DEFERRED ORDERING OF TECHNICAL DATA OR COMPUTER SOFTWARE	APR/1988
I-134	252.227-7030	TECHNICAL DATA--WITHHOLDING OF PAYMENT	MAR/2000
I-135	252.227-7037	VALIDATION OF RESTRICTIVE MARKINGS ON TECHNICAL DATA	JUN/2013
I-136	252.227-7038	PATENT RIGHTS -- OWNERSHIP BY THE CONTRACTOR (LARGE BUSINESS)	JUN/2012
I-137	252.231-7000	SUPPLEMENTAL COST PRINCIPLES	DEC/1991
I-138	252.232-7003	ELECTRONIC SUBMISSION OF PAYMENT REQUESTS AND RECEIVING REPORTS	JUN/2012
I-139	252.232-7010	LEVIES ON CONTRACT PAYMENTS	DEC/2006
I-140	252.233-7001	CHOICE OF LAW (OVERSEAS)	JUN/1997
I-141	252.234-7004	COST AND SOFTWARE DATA REPORTING SYSTEM--BASIC	NOV/2014
I-142	252.235-7003	FREQUENCY AUTHORIZATION--BASIC	MAR/2014
I-143	252.235-7011	FINAL SCIENTIFIC OR TECHNICAL REPORT	NOV/2004
I-144	252.237-7010	PROHIBITION ON INTERROGATION OF DETAINEES BY CONTRACTOR PERSONNEL	JUN/2013
I-145	252.239-7001	INFORMATION ASSURANCE CONTRACTOR TRAINING AND CERTIFICATION	JAN/2008
I-146	252.239-7018	SUPPLY CHAIN RISK	NOV/2013
I-147	252.242-7004	MATERIAL MANAGEMENT AND ACCOUNTING SYSTEM	MAY/2011
I-148	252.242-7005	CONTRACTOR BUSINESS SYSTEMS	FEB/2012
I-149	252.242-7006	ACCOUNTING SYSTEM ADMINISTRATION	FEB/2012
I-150	252.243-7001	PRICING OF CONTRACT MODIFICATIONS	DEC/1991
I-151	252.243-7002	REQUESTS FOR EQUITABLE ADJUSTMENT	DEC/2012
I-152	252.244-7000	SUBCONTRACTS FOR COMMERCIAL ITEMS	JUN/2013
I-153	252.244-7001	CONTRACTOR PURCHASING SYSTEM ADMINISTRATION--BASIC	MAY/2014
I-154	252.245-7001	TAGGING, LABELING, AND MARKING OF GOVERNMENT-FURNISHED PROPERTY	APR/2012
I-155	252.245-7002	REPORTING LOSS OF GOVERNMENT PROPERTY	APR/2012
I-156	252.245-7003	CONTRACTOR PROPERTY MANAGEMENT SYSTEM ADMINISTRATION	APR/2012
I-157	252.245-7004	REPORTING, REUTILIZATION, AND DISPOSAL	MAY/2013
I-158	252.246-7000	MATERIAL INSPECTION AND RECEIVING REPORT	MAR/2008
I-159	252.246-7001	WARRANTY OF DATA--BASIC	MAR/2014
I-160	252.246-7003	NOTIFICATION OF POTENTIAL SAFETY ISSUES	JUN/2013
I-161	252.247-7023	TRANSPORTATION OF SUPPLIES BY SEA--BASIC	APR/2014
I-162	252.247-7028	APPLICATION FOR U.S. GOVERNMENT SHIPPING DOCUMENTATION/INSTRUCTIONS	JUN/2012
I-163	252.249-7002	NOTIFICATION OF ANTICIPATED CONTRACT TERMINATION OR REDUCTION	OCT/2010
I-164	52.209-3	FIRST ARTICLE APPROVAL -- CONTRACTOR TESTING (SEP 1989) -- ALTERNATE I (JAN 1997) AND ALTERNATE II (SEP 1989)	SEP/1989

(a) The Contractor shall test a minimum of two component units for each item specified in E.2.1.2 (Component First Article Testing) as specified on CLINs 0016AA and 0016AB of this contract. At least 20 calendar days before the beginning of first article tests, the

DRAFT

Contractor shall notify the Government Contracting Officer, in writing, of the time and location of the testing so that the Government may witness the tests.
(b) The Contractor shall submit the first article test report prior to the due date specified in Section E.2.1.2.3, CDRL E005, to the Government as specified in Section E.2.1.2.3, CDRL E005 marked First Article Test Report: Contract No. _____, Lot/Item No. _____. Within 30 calendar days after the Government receives the test report, the Contracting Officer shall notify the Contractor, in writing, of the conditional approval, approval, or disapproval of the first article. The notice of conditional approval or approval shall not relieve the Contractor from complying with all requirements of the specifications and all other terms and conditions of this contract. A notice of conditional approval shall state any further action required of the Contractor. A notice of disapproval shall cite reasons for the disapproval.

(c) If the first article is disapproved, the Contractor, upon Government request, shall repeat any or all first article tests. After each request for additional tests, the Contractor shall make any necessary changes, modifications, or repairs to the first article or select another first article for testing. All costs related to these tests are to be borne by the Contractor, including any and all costs for additional tests following a disapproval. The Contractor shall then conduct the tests and deliver another report to the Government under the terms and conditions and within the time specified by the Government. The Government shall take action on this report within the time specified in paragraph (b) above. The Government reserves the right to require an equitable adjustment of the contract price for any extension of the delivery schedule, or for any additional costs to the Government related to these tests.

(d) If the Contractor fails to deliver any first article report on time, or the Contracting Officer disapproves any first article, the Contractor shall be deemed to have failed to make delivery within the meaning of the Default clause of this contract.

(e) Unless otherwise provided in the contract, and if the approved first article is not consumed or destroyed in testing, the Contractor may deliver the approved first article as part of the contract quantity if it meets all contract requirements for acceptance.

(f) If the Government does not act within the time specified in paragraph (b) or (c) above, the Contracting Officer shall, upon timely written request from the Contractor, equitably adjust under the changes clause of this contract the delivery or performance dates and/or the contract price, and any other contractual term affected by the delay.

(g) Before first article approval, the Contracting Officer may, by written authorization, authorize the Contractor to acquire specific materials or components or to commence production to the extent essential to meet the delivery schedules. Until first article approval is granted, only costs for the first article and costs incurred under this authorization are allocable to this contract for

(1) progress payments, or

(2) termination settlements if the contract is terminated for the convenience of the Government. If first article tests reveal deviations from contract requirements, the Contractor shall, at the location designated by the Government, make the required changes or replace all items produced under this contract at no change in the contract price.

(h) The Government may waive the requirement for first article approval test where supplies identical or similar to those called for in the schedule have been previously furnished by the offeror/contractor and have been accepted by the Government. The offeror/contractor may request a waiver.

(i) The Contractor shall produce both the first article and the production quantity at the same facility.

(End of Clause)

I-165 52.209-4 FIRST ARTICLE APPROVAL -- GOVERNMENT TESTING (SEP 1989) -- ALTERNATE I (JAN 1997) AND ALTERNATE II (SEP 1989) SEP/1989

(a) The Contractor shall deliver 62 unit(s) (52 ea base units and 10 ea option units) IAW the delivery quantities and schedules identified in CLINs 0001 (17 ea), 0002 (7 ea), 0003 (6 ea), 0004 (22 ea), option quantities listed in Attachment 60 (GP vehicle option for 1 ea, Utility vehicle option for 1 ea, AFES option for 3 ea, and Ballistic Hull testing for 5 ea) for first article tests. The shipping documentation shall contain this contract number and the Lot/Item identification. The characteristics that the first article must meet and the testing requirements are specified elsewhere in this contract.

(b) Within 32 months after contract award, the Contracting Officer shall notify the Contractor, in writing, of the conditional approval, approval, or disapproval of the first article. The notice of conditional approval or approval shall not relieve the Contractor from complying with all requirements of the specifications and all other terms and conditions of this contract. A notice of conditional approval shall state any further action required of the Contractor. A notice of disapproval shall cite reasons for the disapproval.

(c) If the first article is disapproved, the Contractor, upon Government request, shall submit an additional first article for testing. After each request, the Contractor shall make any necessary changes, modifications, or repairs to the first article or select another

DRAFT

first article for testing. All costs related to these tests are to be borne by the Contractor, including any and all costs for additional tests following a disapproval. The Contractor shall furnish any additional first article to the Government under the terms and conditions and within the time specified by the Government. The Government shall act on this first article within the time limit specified in paragraph (b) of this clause. The Government reserves the right to require an equitable adjustment of the contract price for any extension of the delivery schedule or for any additional costs to the Government related to these tests.

(d) If the Contractor fails to deliver any first article on time, or the Contracting Officer disapproves any first article, the Contractor shall be deemed to have failed to make delivery within the meaning of the Default clause of this contract.

(e) Unless otherwise provided in the contract, the Contractor --

(1) May deliver the approved first article as a part of the contract quantity, provided it meets all contract requirements for acceptance and was not consumed or destroyed in testing; and

(2) Shall remove and dispose of any first article from the Government test facility at the Contractors expense.

(f) If the Government does not act within the time specified in paragraph (b) or (c) of this clause, the Contracting Officer shall, upon timely written request from the Contractor, equitably adjust under the Changes clause of this contract the delivery or performance dates and/or the contract price, and any other contractual term affected by the delay.

(g) The Contractor is responsible for providing operating and maintenance instructions, spare parts support, and repair of the first article during any first article test.

(h) Before first article approval, the Contracting Officer may, by written authorization, authorize the Contractor to acquire specific materials or components or to commence production to the extent essential to meet the delivery schedules (See Section B, paragraph B.3 for authorization at contract award). Until first article approval is granted, only costs for the first article and costs incurred under this authorization are allocable to this contract for

(1) progress payments, or

(2) termination settlements if the contract is terminated for the convenience of the Government.

If first article tests reveal deviations from contract requirements, the Contractor shall, at the location designated by the Government, make the required changes or replace all items produced under this contract at no change in the contract price.

(i) The Government may waive the requirement for first article approval test where supplies identical or similar to those called for in the schedule have been previously furnished by the Offeror/Contractor and have been accepted by the Government. The Offeror/Contractor may request a waiver.

(j) The Contractor shall produce both the first article and the production quantity at the same facility.

(End of Clause)

DRAFT

I-166 52.216-7 ALLOWABLE COST AND PAYMENT JUN/2013

(a) Invoicing.

(1) The Government will make payments to the Contractor when requested as work progresses, but (except for small business concerns) not more often than once every 2 weeks, in amounts determined to be allowable by the Contracting Officer in accordance with Federal Acquisition Regulation (FAR) Subpart 31.2 in effect on the date of this contract and the terms of this contract. The Contractor may submit to an authorized representative of the Contracting Officer, in such form and reasonable detail as the representative may require, an invoice or voucher supported by a statement of the claimed allowable cost for performing this contract.

(2) Contract financing payments are not subject to the interest penalty provisions of the Prompt Payment Act. Interim payments made prior to the final payment under the contract are contract financing payments, except interim payments if this contract contains Alternate I to the clause at 52.232-25.

(3) The designated payment office will make interim payments for contract financing on the 30th day after the designated billing office receives a proper payment request. In the event that the Government requires an audit or other review of a specific payment request to ensure compliance with the terms and conditions of the contract, the designated payment office is not compelled to make payment by the specified due date.

(b) Reimbursing costs.

(1) For the purpose of reimbursing allowable costs (except as provided in subparagraph (b)(2) of this clause, with respect to pension, deferred profit sharing, and employee stock ownership plan contributions), the term costs includes only --

(i) Those recorded costs that, at the time of the request for reimbursement, the Contractor has paid by cash, check, or other form of actual payment for items or services purchased directly for the contract;

(ii) When the Contractor is not delinquent in paying costs of contract performance in the ordinary course of business, costs incurred, but not necessarily paid, for --

(A) Supplies and services purchased directly for the contract and associated financing payments to subcontractors, provided payments determined due will be made

(1) In accordance with the terms and conditions of a subcontract or invoice; and

(2) Ordinarily within 30 days of the submission of the Contractors payment request to the Government;

(B) Materials issued from the Contractors inventory and placed in the production process for use on the contract;

(C) Direct labor;

(D) Direct travel;

(E) Other direct in-house costs; and

(F) Properly allocable and allowable indirect costs, as shown in the records maintained by the Contractor for purposes of obtaining reimbursement under Government contracts; and

(iii) The amount of financing payments that have been paid by cash, check or other form of payment to subcontractors.

(2) Accrued costs of Contractor contributions under employee pension plans shall be excluded until actually paid unless

(i) The Contractors practice is to make contributions to the retirement fund quarterly or more frequently; and

(ii) The contribution does not remain unpaid 30 days after the end of the applicable quarter or shorter payment period (any contribution remaining unpaid shall be excluded from the Contractors indirect costs for payment purposes).

(3) Notwithstanding the audit and adjustment of invoices or vouchers under paragraph (g) of this clause, allowable indirect costs under this contract shall be obtained by applying indirect cost rates established in accordance with paragraph (d) of this clause.

(4) Any statements in specifications or other documents incorporated in this contract by reference designating performance of services or furnishing of materials at the Contractors expense or at no cost to the Government shall be disregarded for purposes of cost-reimbursement under this clause.

(c) Small business concerns. A small business concern may receive more frequent payments than every 2 weeks.

(d) Final indirect cost rates.

(1) Final annual indirect cost rates and the appropriate bases shall be established in accordance with Subpart 42.7 of the Federal Acquisition Regulation (FAR) in effect for the period covered by the indirect cost rate proposal.

(2)(i) The Contractor shall submit an adequate final indirect cost rate proposal to the Contracting Officer (or cognizant Federal agency official) and auditor within the 6-month period following the expiration of each of its fiscal years. Reasonable extensions, for exceptional circumstances only, may be requested in writing by the Contractor and granted in writing by the Contracting Officer. The Contractor shall support its proposal with adequate supporting data.

(ii) The proposed rates shall be based on the Contractors actual cost experience for that period. The appropriate Government representative and the Contractor shall establish the final indirect cost rates as promptly as practical after receipt of the Contractors proposal.

(iii) An adequate indirect cost rate proposal shall include the following data unless otherwise specified by the cognizant Federal agency official:

(A) Summary of all claimed indirect expense rates, including pool, base, and calculated indirect rate.

(B) General and Administrative expenses (final indirect cost pool). Schedule of claimed expenses by element of cost as identified

DRAFT

in accounting records (Chart of Accounts).

(C) Overhead expenses (final indirect cost pool). Schedule of claimed expenses by element of cost as identified in accounting records (Chart of Accounts) for each final indirect cost pool.

(D) Occupancy expenses (intermediate indirect cost pool). Schedule of claimed expenses by element of cost as identified in accounting records (Chart of Accounts) and expense reallocation to final indirect cost pools.

(E) Claimed allocation bases, by element of cost, used to distribute indirect costs.

(F) Facilities capital cost of money factors computation.

(G) Reconciliation of books of account (i.e., General Ledger) and claimed direct costs by major cost element.

(H) Schedule of direct costs by contract and subcontract and indirect expense applied at claimed rates, as well as a subsidiary schedule of Government participation percentages in each of the allocation base amounts.

(I) Schedule of cumulative direct and indirect costs claimed and billed by contract and subcontract.

(J) Subcontract information. Listing of subcontracts awarded to companies for which the contractor is the prime or upper-tier contractor (include prime and subcontract numbers; subcontract value and award type; amount claimed during the fiscal year; and the subcontractor name, address, and point of contact information).

(K) Summary of each time-and-materials and labor-hour contract information, including labor categories, labor rates, hours, and amounts; direct materials; other direct costs; and, indirect expense applied at claimed rates.

(L) Reconciliation of total payroll per IRS form 941 to total labor costs distribution.

(M) Listing of decisions/agreements/approvals and description of accounting/organizational changes.

(N) Certificate of final indirect costs (see 52.242-4, Certification of Final Indirect Costs).

(O) Contract closing information for contracts physically completed in this fiscal year (include contract number, period of performance, contract ceiling amounts, contract fee computations, level of effort, and indicate if the contract is ready to close).

(iv) The following supplemental information is not required to determine if a proposal is adequate, but may be required during the audit process:

(A) Comparative analysis of indirect expense pools detailed by account to prior fiscal year and budgetary data.

(B) General Organizational information and limitation on allowability of compensation for certain contractor personnel. See 31.205-6(p). Additional salary reference information is available at ://www.whitehouse.gov/omb/procurement_index_exec_comp/.

(C) Identification of prime contracts under which the contractor performs as a subcontractor.

(D) Description of accounting system (excludes contractors required to submit a CAS Disclosure Statement or contractors where the description of the accounting system has not changed from the previous year's submission).

(E) Procedures for identifying and excluding unallowable costs from the costs claimed and billed (excludes contractors where the procedures have not changed from the previous year's submission).

(F) Certified financial statements and other financial data (e.g., trial balance, compilation, review, etc.).

(G) Management letter from outside CPAs concerning any internal control weaknesses.

(H) Actions that have been and/or will be implemented to correct the weaknesses described in the management letter from subparagraph (G) of this section.

(I) List of all internal audit reports issued since the last disclosure of internal audit reports to the Government.

(J) Annual internal audit plan of scheduled audits to be performed in the fiscal year when the final indirect cost rate submission is made.

DRAFT

(K) Federal and State income tax returns.

(L) Securities and Exchange Commission 10-K annual report.

(M) Minutes from board of directors meetings.

(N) Listing of delay claims and termination claims submitted which contain costs relating to the subject fiscal year.

(O) Contract briefings, which generally include a synopsis of all pertinent contract provisions, such as: Contract type, contract amount, product or service(s) to be provided, contract performance period, rate ceilings, advance approval requirements, pre-contract cost allowability limitations, and billing limitations.

(v) The Contractor shall update the billings on all contracts to reflect the final settled rates and update the schedule of cumulative direct and indirect costs claimed and billed, as required in paragraph (d)(2)(iii)(I) of this section, within 60 days after settlement of final indirect cost rates.

(3) The Contractor and the appropriate Government representative shall execute a written understanding setting forth the final indirect cost rates. The understanding shall specify

(i) the agreed-upon final annual indirect cost rates,

(ii) the bases to which the rates apply,

(iii) the periods for which the rates apply,

(iv) any specific indirect cost items treated as direct costs in the settlement, and

(v) the affected contract and/or subcontract, identifying any with advance agreements or special terms and the applicable rates.

The understanding shall not change any monetary ceiling, contract obligation, or specific cost allowance or disallowance provided for in this contract. The understanding is incorporated into this contract upon execution.

(4) Failure by the parties to agree on a final annual indirect cost rate shall be a dispute within the meaning of the Disputes clause.

(5) Within 120 days (or longer period if approved in writing by the Contracting Officer) after settlement of the final annual indirect cost rates for all years of a physically complete contract, Contractor shall submit a completion invoice or voucher to reflect the settled amounts and rates. The completion invoice or voucher shall include settled subcontract amounts and rates. The prime contractor is responsible for settling subcontractor amounts and rates included in the completion invoice or voucher and providing status of subcontractor audits to the contracting officer upon request.

(6)(i) If the Contractor fails to submit a completion invoice or voucher within the time specified in paragraph (d)(5) of this clause, the Contracting Officer may--

(A) Determine the amounts due to the Contractor under the contract; and

(B) Record this determination in a unilateral modification to the contract.

(ii) This determination constitutes the final decision of the Contracting Officer in accordance with the Disputes clause.

(e) Billing rates. Until final annual indirect cost rates are established for any period, the Government shall reimburse the Contractor at billing rates established by the Contracting Officer or by an authorized representative (the cognizant auditor), subject to adjustment when the final rates are established. These billing rates --

(1) Shall be the anticipated final rates; and

(2) May be prospectively or retroactively revised by mutual agreement, at either partys request, to prevent substantial overpayment or underpayment.

(f) Quick-closeout procedures. Quick-closeout procedures are applicable when the conditions in FAR 42.708(a) are satisfied.

(g) Audit. At any time or times before final payment, the Contracting Officer may have the Contractors invoices or vouchers and statements of cost audited. Any payment may be --

(1) Reduced by amounts found by the Contracting Officer not to constitute allowable costs; or

DRAFT

(2) Adjusted for prior overpayments or underpayments.

(h) Final payment.

(1) Upon approval of a completion invoice or voucher submitted by the Contractor in accordance with paragraph (d)(5) of this clause, and upon the Contractors compliance with all terms of this contract, the Government shall promptly pay any balance of allowable costs and that part of the fee (if any) not previously paid.

(2) The Contractor shall pay to the Government any refunds, rebates, credits, or other amounts (including interest, if any) accruing to or received by the Contractor or any assignee under this contract, to the extent that those amounts are properly allocable to costs for which the Contractor has been reimbursed by the Government. Reasonable expenses incurred by the Contractor for securing refunds, rebates, credits, or other amounts shall be allowable costs if approved by the Contracting Officer. Before final payment under this contract, the Contractor and each assignee whose assignment is in effect at the time of final payment shall execute and deliver --

(i) An assignment to the Government, in form and substance satisfactory to the Contracting Officer, of refunds, rebates, credits, or other amounts (including interest, if any) properly allocable to costs for which the Contractor has been reimbursed by the Government under this contract; and

(ii) A release discharging the Government, its officers, agents, and employees from all liabilities, obligations, and claims arising out of or under this contract, except --

(A) Specified claims stated in exact amounts, or in estimated amounts when the exact amounts are not known;

(B) Claims (including reasonable incidental expenses) based upon liabilities of the Contractor to third parties arising out of the performance of this contract; provided, that the claims are not known to the Contractor on the date of the execution of the release, and that the Contractor gives notice of the claims in writing to the Contracting Officer within 6 years following the release date or notice of final payment date, whichever is earlier; and

(C) Claims for reimbursement of costs, including reasonable incidental expenses, incurred by the Contractor under the patent clauses of this contract, excluding, however, any expenses arising from the Contractors indemnification of the Government against patent liability.

(End of Clause)

DRAFT

I-167 52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT MAR/2000

(a) The Government may extend the term of this contract by written notice to the Contractor within 60 days provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 60 days before the contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed eight years.

(End of Clause)

I-168 52.222-2 PAYMENT FOR OVERTIME PREMIUMS JUL/1990

(a) The use of overtime is authorized under this contract if the overtime premium does not exceed 0 (zero) or the overtime premium is paid for work --

(1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns of production equipment, or occasional production bottlenecks of a sporadic nature;

(2) By indirect-labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;

(3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or

(4) That will result in lower overall costs to the Government.

(b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract completion and shall be submitted to the PCO and approved in advance of working overtime.--

(1) Identify the work unit; e.g., department or section in which the requested overtime will be used, together with present workload, staffing, and other data of the affected unit sufficient to permit the Contracting Officer to evaluate the necessity for the overtime;

(2) Demonstrate the effect that denial of the request will have on the contract delivery or performance schedule;

(3) Identify the extent to which approval of overtime would affect the performance or payments in connection with other Government contracts, together with identification of each affected contract; and

(4) Provide reasons why the required work cannot be performed by using multishift operations or by employing additional personnel.

(End of Clause)

I-169 52.223-7 NOTICE OF RADIOACTIVE MATERIALS JAN/1997

(a) The Contractor shall notify the Contracting Officer or designee, in writing, 60 days prior to the delivery of, or prior to completion of any servicing required by this contract of, items containing either

(1) radioactive material requiring specific licensing under the regulations issued pursuant to the Atomic Energy Act of 1954, as amended, as set forth in Title 10 of the Code of Federal Regulations, in effect on the date of this contract, or

(2) other radioactive material not requiring specific licensing in which the specific activity is greater than 0.002 microcuries per gram or the activity per item equals or exceeds 0.01 microcuries.

Such notice shall specify the part or parts of the items which contain radioactive materials, a description of the materials, the name and activity of the isotope, the manufacturer of the materials, and any other information known to the Contractor which will put users of the items on notice as to the hazards involved (OMB No. 9000-0107).

(b) If there has been no change affecting the quantity of activity, or the characteristics and composition of the radioactive material from deliveries under this contract or prior contracts, the Contractor may request that the Contracting Officer or designee waive the notice requirement in paragraph (a) of this clause. Any such request shall --

(1) Be submitted in writing;

(2) State that the quantity of activity, characteristics, and composition of the radioactive material have not changed; and

(3) Cite the contract number on which the prior notification was submitted and the contracting office to which it was submitted.

(c) All items, parts, or subassemblies which contain radioactive materials in which the specific activity is greater than 0.002 microcuries per gram or activity per item equals or exceeds 0.01 microcuries, and all containers in which such items, parts or subassemblies are delivered to the Government shall be clearly marked and labeled as required by the latest revision of MIL-STD 129 in effect on the date of the contract.

(d) This clause, including this paragraph (d), shall be inserted in all subcontracts for radioactive materials meeting the criteria in paragraph (a) of this clause.

(End of Clause)

I-170 52.232-16 PROGRESS PAYMENTS APR/2012

The Government will make progress payments to the Contractor when requested as work progresses, but not more frequently than monthly in amounts of $2,500 or more approved by the Contracting Officer, under the following conditions:

(a) Computation of amounts.

(1) Unless the Contractor requests a smaller amount, the Government will compute each progress payment as 80 percent of the Contractors total costs incurred under this contract whether or not actually paid, plus financing payments to subcontractors (see

DRAFT

paragraph (j) of this clause), less the sum of all previous progress payments made by the Government under this contract. The Contracting Officer will consider cost of money that would be allowable under FAR 31.205-10 as an incurred cost for progress payment purposes.

(2) The amount of financing and other payments for supplies and services purchased directly for the contract are limited to the amounts that have been paid by cash, check, or other forms of payment, or that are determined due will be paid to subcontractors--

(i) In accordance with the terms and conditions of a subcontract of invoice; and

(ii) Ordinarily within 30 days of the submission of the Contractors payment request to the Government.

(3) The Government will exclude accrued costs of Contractor contributions under employee pension plans until actually paid unless--

(i) The Contractors practice is to make contributions to the retirement fund quarterly or more frequently; and

(ii) The contribution does not remain unpaid 30 days after the end of the applicable quarter or shorter payment period (any contribution remaining unpaid shall be excluded from the Contractors total costs for progress payments until paid).

(4) The Contractor shall not include the following in total costs for progress payment purposes in paragraph (a)(1) of this clause:

(i) Costs that are not reasonable, allocable to this contract, and consistent with sound and generally accepted accounting principles and practices.

(ii) Costs incurred by subcontractors or suppliers.

(iii) Costs ordinarily capitalized and subject to depreciation or amortization except for the properly depreciated or amortized portion of such costs.

(iv) Payments made or amounts payable to the subcontractors or suppliers, except for--

(A) completed work, including partial deliveries, to which the Contractor has acquired title; and

(B) Work under cost-reimbursement or time-and-material subcontracts to which the Contractor has acquired title.

(5) The amount of unliquidated progress payments may exceed neither (i) the progress payments made against incomplete work (including allowable unliquidated progress payments to subcontractors) nor (ii) the value, for progress payment purposes, of the incomplete work. Incomplete work shall be considered to be the supplies and services required by this contract, for which delivery and invoicing by the Contractor and acceptance by the Government are incomplete.

(6) The total amount of progress payments shall not exceed 80 percent of the total contract price.

(7) If a progress payment or the unliquidated progress payments exceed the amounts permitted by subparagraphs (a)(4) or (a)(5) above, the Contractor shall repay the amount of such excess to the Government on demand.

(8) Notwithstanding any other terms of the contract, the Contractor agrees not to request progress payments in dollar amounts of less than $2,500. The Contracting Officer may make exceptions.

(9) The costs applicable to items delivered, invoiced, and accepted shall not include costs in excess of the contract price of the items.

(b) Liquidation. Except as provided in the Termination for Convenience of the Government clause, all progress payments shall be liquidated by deducting from any payment under this contract, other than advance or progress payments, the unliquidated progress payments, or 80 percent of the amount invoiced, whichever is less. The Contractor shall repay to the Government any amounts required by a retroactive price reduction, after computing liquidations and payments on past invoices at the reduced prices and adjusting the unliquidated progress payments accordingly. The Government reserves the right to unilaterally change from the ordinary liquidation rate to an alternate rate when deemed appropriate for proper contract financing.

(c) Reduction or suspension. The Contracting Officer may reduce or suspend progress payments, increase the rate of liquidation, or take a combination of these actions, after finding on substantial evidence any of the following conditions:

(1) The Contractor failed to comply with any material requirement of this contract (which includes paragraphs (f) and (g) below).

(2) Performance of this contract is endangered by the Contractors --

(i) Failure to make progress; or

DRAFT

(ii) Unsatisfactory financial condition.

(3) Inventory allocated to this contract substantially exceeds reasonable requirements.

(4) The Contractor is delinquent in payment of the costs of performing this contract in the ordinary course of business.

(5) The fair value of the undelivered work is less than the amount of unliquidated progress payments for that work.

(6) The Contractor is realizing less profit than that reflected in the establishment of any alternate liquidation rate in paragraph (b) above, and that rate is less than the progress payment rate stated in subparagraph (a)(1) above.

(d) Title.

(1) Title to the property described in this paragraph (d) shall vest in the Government. Vestiture shall be immediately upon the date of this contract, for property acquired or produced before that date. Otherwise, vestiture shall occur when the property is or should have been allocable or properly chargeable to this contract.

(2) Property, as used in this clause, includes all of the below-described items acquired or produced by the Contractor that are or should be allocable or properly chargeable to this contract under sound and generally accepted accounting principles and practices.

(i) Parts, materials, inventories, and work in process;

(ii) Special tooling and special test equipment to which the Government is to acquire title;

(iii) Nondurable (i.e., noncapital) tools, jigs, dies, fixtures, molds, patterns, taps, gauges, test equipment, and other similar manufacturing aids, title to which would not be obtained as special tooling under subparagraph (ii) above; and

(iv) Drawings and technical data, to the extent the Contractor or subcontractors are required to deliver them to the Government by other clauses of this contract.

(3) Although title to property is in the Government under this clause, other applicable clauses of this contract; e.g., the termination clauses, shall determine the handling and disposition of the property.

(4) The Contractor may sell any scrap resulting from production under this contract without requesting the Contracting Officers approval, but the proceeds shall be credited against the costs of performance.

(5) To acquire for its own use or dispose of property to which title is vested in the Government under this clause, the Contractor must obtain the Contracting Officers advance approval of the action and the terms. The Contractor shall

(i) exclude the allocable costs of the property from the costs of contract performance, and

(ii) repay to the Government any amount of unliquidated progress payments allocable to the property. Repayment may be by cash or credit memorandum.

(6) When the Contractor completes all of the obligations under this contract, including liquidation of all progress payments, title shall vest in the Contractor for all property (or the proceeds thereof) not --

(i) Delivered to, and accepted by, the Government under this contract; or

(ii) Incorporated in supplies delivered to, and accepted by, the Government under this contract and to which title is vested in the Government under this clause.

(7) The terms of this contract concerning liability for Government-furnished property shall not apply to property to which the Government acquired title solely under this clause.

(e) Risk of loss. Before delivery to and acceptance by the Government, the Contractor shall bear the risk of loss for property, the title to which vests in the Government under this clause, except to the extent the Government expressly assumes the risk. The Contractor shall repay the Government an amount equal to the unliquidated progress payments that are based on costs allocable to property that is lost (see 45.101).

(f) Control of costs and property. The Contractor shall maintain an accounting system and controls adequate for the proper administration of this clause.

(g) Reports, forms, and access to records.

DRAFT

Name of Offeror or Contractor:

(1) The Contractor shall promptly furnish reports, certificates, financial statements, and other pertinent information (including estimates to complete) reasonably requested by the Contracting Officer for the administration of this clause. Also, the Contractor shall give the Government reasonable opportunity to examine and verify the Contractor's books, records, and accounts.

(2) The Contractor shall furnish estimates to complete that have been developed or updated within six months of the date of the progress payment request. The estimates to complete shall represent the Contractor's best estimate of total costs to complete all remaining contract work required under the contract. The estimates shall include sufficient detail to permit Government verification.

(3) Each Contractor request for progress payment shall:

(i) Be submitted on Standard Form 1443, Contractor's Request for Progress Payment, or the electronic equivalent as required by agency regulations, in accordance with the form instructions and the contract terms; and

(ii) Include any additional supporting documentation requested by the Contracting Officer.

(h) Special terms regarding default. If this contract is terminated under the Default clause,

(i) the Contractor shall, on demand, repay to the Government the amount of unliquidated progress payments and

(ii) title shall vest in the Contractor, on full liquidation of progress payments, for all property for which the Government elects not to require delivery under the Default clause. The Government shall be liable for no payment except as provided by the Default clause.

(i) Reservations of rights.

(1) No payment or vesting of title under this clause shall --

(i) Excuse the Contractor from performance of obligations under this contract; or

(ii) Constitute a waiver of any of the rights or remedies of the parties under the contract.

(2) The Governments rights and remedies under this clause --

(i) Shall not be exclusive but rather shall be in addition to any other rights and remedies provided by law or this contract; and

(ii) Shall not be affected by delayed, partial, or omitted exercise of any right, remedy, power, or privilege, nor shall such exercise or any single exercise preclude or impair any further exercise under this clause or the exercise of any other right, power, or privilege of the Government.

(j) Financing payments to subcontractors. The financing payments to subcontractors mentioned in paragraphs (a)(1) and (a)(2) of this clause shall be all financing payments to subcontractors or divisions, if the following conditions are met:

(1) The amounts included are limited to --

(i) The unliquidated remainder of financing payments made; plus

(ii) Any unpaid subcontractor requests for financing payments.

(2) The subcontract or interdivisional order is expected to involve a minimum of approximately 6 months between the beginning of work and the first delivery, or, if the subcontractor is a small business concern, 4 months.

(3) If the financing payments are in the form or progress payments, the terms of the subcontract or interdivisional order concerning progress payments --

(i) Are substantially similar to the terms of the clause for any subcontractor that is a large business concern, or that clause with its Alternate I for any subcontractor that is a small business concern;

(ii) Are at least as favorable to the Government as the terms of this clause;

(iii) Are not more favorable to the subcontractor or division than the terms of this clause are to the Contractor;

(iv) Are in conformance with the requirements of FAR 32.504(e); and

(v) Subordinate all subcontractor rights concerning property to which the Government has title under the subcontract to the Governments right to require delivery of the property to the Government if --

DRAFT

(A) The Contractor defaults; or
(B) The subcontractor becomes bankrupt or insolvent.

(4) If the financing payments are in the form of performance-based payments, the terms of the subcontract or interdivisional order concerning payments--

(i) Are substantially similar to the Performance-Based Payments clause at FAR 52.232-32 and meet the criteria for, and definition of, performance-based payments in FAR Part 32;

(ii) Are in conformance with the requirements of FAR 32.504(f); and

(iii) Subordinate all subcontractor rights concerning property to which the Government has title under the subcontract to the Governments right to require delivery of the property to the Government if--

(A) The Contractor defaults; or

(B) The subcontractor becomes bankrupt or insolvent.

(5) If the financing payments are in the form of commercial item financing payments, the terms of the subcontract or interdivisional order concerning payments

(i) Are constructed in accordance with FAR 32.206(c) and included in a subcontract for a commercial item purchase that meets the definition and standards for acquisition of commercial items in FAR Part 2 and 12;

(ii) Are in conformance with the requirements of FAR 32.504(g); and

(iii) Subordinate all subcontractor rights concerning property to which the Government has title under the subcontract to the Government's right to require delivery of the property to the Government if--

(A) The Contractor defaults; or

(B) The subcontractor becomes bankrupt or insolvent.

(6) If financing is in the form of progress payments, the progress payment rate in the subcontract is the customary rate used by the contracting agency, depending on whether the subcontractor is or is not a small business concern.

(7) Concerning any proceeds received by the Government for property to which title has vested in the Government under the subcontract terms, the parties agree that the proceeds shall be applied to reducing any unliquidated financing payments by the Government to the Contractor under this contract.

(8) If no unliquidated financing payments to the Contractor remain, but there are unliquidated financing payments that the Contractor has made to any subcontractor, the Contractor shall be subrogated to all the rights the Government obtained through the terms required by this clause to be in any subcontract, as if all such rights had been assigned and transferred to the Contractor.

(9) To facilitate small business participation in subcontracting under this contract, the Contractor shall provide financing payments to small business concerns, in conformity with the standards for customary contract financing payments stated in Subpart 32.113. The Contractor shall not consider the need for such financing payments as a handicap or adverse factor in the award of subcontracts.

(k) Limitations on undefinitized contract actions. Notwithstanding any other progress payment provisions in this contract, progress payments may not exceed 80 percent of costs incurred on work accomplished under undefinitized contract actions. A contract action is any action resulting in a contract, as defined in Subpart 2.1, including contract modifications for additional supplies or services, but not including contract modifications that are within the scope and under the terms of the contract, such as contract modifications issued pursuant to the Changes clause, or funding and other administrative changes. This limitation shall apply to the costs incurred, as computed in accordance with paragraph (a) of this clause, and shall remain in effect until the contract action is definitized. Costs incurred which are subject to this limitation shall be segregated on Contractor progress payment requests and invoices from those costs eligible for higher progress payment rates. For purposes of progress payment liquidation, as described in paragraph (b) of this clause, progress payments for undefinitized contract actions shall be liquidated at 80 percent of the amount invoiced for work performed under the undefinitized contract action as long as the contract action remains undefinitized. The amount of unliquidated progress payments for undefinitized contract actions shall not exceed 80 percent of the maximum liability of the Government under the undefinitized contract action or such lower limit specified elsewhere in the contract. Separate limits may be specified for separate actions.

(l) Due date. The designated payment office will make progress payments on the 30 day after the designated billing office receives a proper progress payment request. In the event that the Government requires an audit or other review of a specific progress payment request to ensure compliance with the terms and conditions of the contract, the designated payment office is not compelled to make a

DRAFT

payment by the specified due date. Progress payments are considered contract financing and are not subject to the interest penalty provisions of the Prompt Payment Act.

(m) Progress payments under indefinitedelivery contracts. The Contractor shall account for and submit progress payment requests under individual orders as if the order constituted a separate contract, unless otherwise specified in this contract.

(End of Clause)

I-171 52.243-7 NOTIFICATION OF CHANGES APR/1984

(a) Definitions. Contracting Officer, as used in this clause, does not include any representative of the Contracting Officer.

Specifically Authorized Representative (SAR), as used in this clause, means any person the Contracting Officer has so designated by written notice (a copy of which shall be provided to the Contractor) which shall refer to this subparagraph and shall be issued to the designated representative before the SAR exercises such authority.

(b) Notice. The primary purpose of this clause is to obtain prompt reporting of Government conduct that the Contractor considers to constitute a change to this contract. Except for changes identified as such in writing and signed by the Contracting Officer, the Contractor shall notify the Administrative Contracting Officer in writing promptly, within five calendar days from the date that the Contractor identifies any Government conduct (including actions, inactions, and written or oral communications) that the Contractor regards as a change to the contract terms and conditions. On the basis of the most accurate information available to the Contractor, the notice shall state --

(1) The date, nature, and circumstances of the conduct regarded as a change;

(2) The name, function, and activity of each Government individual and Contractor official or employee involved in or knowledgeable about such conduct;

(3) The identification of any documents and the substance of any oral communication involved in such conduct;

(4) In the instance of alleged acceleration of scheduled performance or delivery, the basis upon which it arose;

(5) The particular elements of contract performance for which the Contractor may seek an equitable adjustment under this clause, including --

(i) What contract line items have been or may be affected by the alleged change;

(ii) What labor or materials or both have been or may be added, deleted, or wasted by the alleged change;

(iii) To the extent practicable, what delay and disruption in the manner and sequence of performance and effect on continued performance have been or may be caused by the alleged change;

(iv) What adjustments to contract price, delivery schedule, and other provisions affected by the alleged change are estimated; and

(6) The Contractors estimate of the time by which the Government must respond to the Contractors notice to minimize cost, delay or disruption of performance.

(c) Continued performance. Following submission of the notice required by paragraph (b) of this clause, the Contractor shall diligently continue performance of this contract to the maximum extent possible in accordance with its terms and conditions as construed by the Contractor, unless the notice reports a direction of the Contracting Officer or a communication from a SAR of the Contracting Officer, in either of which events the Contractor shall continue performance; provided, however, that if the Contractor regards the direction or communication as a change as described in paragraph (b) of this clause, notice shall be given in the manner provided. All directions, communications, interpretations, orders and similar actions of the SAR shall be reduced to writing promptly and copies furnished to the Contractor and to the Contracting Officer. The Contracting Officer shall promptly countermand any action which exceeds the authority of the SAR.

(d) Government response. The Contracting Officer shall promptly, within five calendar days after receipt of notice, respond to the notice in writing. In responding, the Contracting Officer shall either --

(1) Confirm that the conduct of which the Contractor gave notice constitutes a change and when necessary direct the mode of further performance;

(2) Countermand any communication regarded as a change;

DRAFT

(3) Deny that the conduct of which the Contractor gave notice constitutes a change and when necessary direct the mode of further performance; or

(4) In the event the Contractors notice information is inadequate to make a decision under subparagraphs (d)(1), (2), or (3) of this clause, advise the Contractor what additional information is required, and establish the date by which it should be furnished and the date thereafter by which the Government will respond.

(e) Equitable adjustments.

(1) If the Contracting Officer confirms that Government conduct effected a change as alleged by the Contractor, and the conduct causes an increase or decrease in the Contractors cost of, or the time required for, performance of any part of the work under this contract, whether changed or not changed by such conduct, an equitable adjustment shall be made --

(i) In the contract price or delivery schedule or both; and

(ii) In such other provisions of the contract as may be affected.

(2) The contract shall be modified in writing accordingly. In the case of drawings, designs or specifications which are defective and for which the Government is responsible, the equitable adjustment shall include the cost and time extension for delay reasonably incurred by the Contractor in attempting to comply with the defective drawings, designs or specifications before the Contractor identified, or reasonably should have identified, such defect. When the cost of property made obsolete or excess as a result of a change confirmed by the Contracting Officer under this clause is included in the equitable adjustment, the Contracting Officer shall have the right to prescribe the manner of disposition of the property. The equitable adjustment shall not include increased costs or time extensions for delay resulting from the Contractors failure to provide notice or to continue performance as provided, respectively, in paragraphs (b) and (c) of this clause.

NOTE: The phrases contract price and cost wherever they appear in the clause, may be appropriately modified to apply to cost-reimbursement or incentive contracts, or to combinations thereof.

(End of Clause)

DRAFT

I-172 52.244-2 SUBCONTRACTS OCT/2010

(a) Definitions. As used in this clause

Approved purchasing system means a Contractor's purchasing system that has been reviewed and approved in accordance with Part 44 of the Federal Acquisition Regulation (FAR)

Consent to subcontract means the Contracting Officer's written consent for the Contractor to enter into a particular subcontract.

Subcontract means any contract, as defined in FAR Subpart 2.1, entered into by a subcontractor to furnish supplies or services for performance of the prime contract or a subcontract. It includes, but is not limited to, purchase orders, and changes and modifications to purchase orders.

(b) When this clause is included in a fixed-price type contract, consent to subcontract is required only on unpriced contract actions (including unpriced modifications or unpriced delivery orders), and only if required in accordance with paragraph (c) or (d) or this clause.

(c) If the contractor does not have an approved purchasing system, consent to subcontract is required for any subcontract that--

(1) Is of the cost-reimbursement, time-and-materials, or labor-hour type; or

(2) Is fixed-price and exceeds

(i) For a contract awarded by the Department of Defense, the Coast Guard, or the national Aeronautics and Space Administration, the greater of the simplified acquisition threshold or 5 percent of the total estimated cost of the contract; or

(ii) For contracts awarded by a civilian agency other that the Coast Guard and the National Aeronautics and Space Administration, either the simplified acquisition threshold or 5 percent of the total estimated cost of the contract.

(d) If the Contractor has an approved purchasing system, the Contractor nevertheless shall obtain the Contracting Officer's written

consent before placing the following subcontracts: N/A

(e)(1) The Contractor shall notify the Contracting Officer reasonably in advance of placing any subcontract or modification thereof for which consent is required under paragraph (b), (c), or (d) of this clause, including the following information:

(i) A description of the supplies or services to be subcontracted.

(ii) Identification of the type of subcontract to be used.

(iii) Identification of the proposed subcontractor.

(iv) The proposed subcontract price.

(v) The subcontractor's current, complete, and accurate certified cost or pricing data and Certificate of Current Cost or Pricing Data, if required by other contract provisions.

(vi) The subcontractor's Disclosure Statement or Certificate relating to Cost Accounting Standards when such data are required by other provisions of this contract.

(vii) A negotiation memorandum reflecting --

(A) The principal elements of the subcontract price negotiations;

(B) The most significant considerations controlling establishment of initial or revised prices;

(C) The reason certified cost or pricing data were or were not required;

(D) The extent, if any, to which the Contractor did not rely on the subcontractor's certified cost or pricing data in determining the price objective and in negotiating the final price;

(E) The extent to which it was recognized in the negotiation that the subcontractor's certified cost or pricing data were not accurate, complete, or current; the action taken by the Contractor and the subcontractor; and the effect of any such defective data on the total price negotiated;

(F) The reasons for any significant difference between the Contractor's price objective and the price negotiated; and

(G) A complete explanation of the incentive fee or profit plan when incentives are used. The explanation shall identify each critical performance element, management decisions used to quantify each incentive element, reasons for the incentives, and a summary of all trade-off possibilities considered.

(2) The Contractor is not required to notify the Contracting Officer in advance of entering into any subcontract for which consent is not required under paragraph (c), (d), or (e) of this clause.

(f) Unless the consent or approval specifically provides otherwise, neither consent by the Contracting Officer to any subcontract nor approval of the Contractor's purchasing system shall constitute a determination --

(1) Of the acceptability of any subcontract terms or conditions;

(2) Of the allowability of any cost under this contract; or

(3) To relieve the Contractor of any responsibility for performing this contract.

(g) No subcontract or modification thereof placed under this contract shall provide for payment on a cost-plus-a-percentage-of-cost basis, and any fee payable under cost-reimbursement type subcontracts shall not exceed the fee limitations in FAR 15.404-4(c)(4)(i).

(h) The Contractor shall give the Contracting Officer immediate written notice of any action or suit filed and prompt notice of any claim made against the Contractor by any subcontractor or vendor that, in the opinion of the Contractor, may result in litigation related in any way to this contract, with respect to which the Contractor may be entitled to reimbursement from the Government.

(i) The Government reserves the right to review the Contractor's purchasing system as set forth in FAR Subpart 44.3.i

(j) Paragraphs (c) and (e) of this clause do not apply to the following subcontracts, which were evaluated during negotiations: N/A

(End of clause)

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I-173 52.247-67 SUBMISSION OF TRANSPORTATION DOCUMENTS FOR AUDIT FEB/2006

(a) The Contractor shall submit to the address identified below, for prepayment audit, transportation documents on which the United States will assume freight charges that were paid

(1) By the Contractor under a cost-reimbursement contract; and

(2) By a first-tier subcontractor under a cost-reimbursement subcontract thereunder.

(b) Cost-reimbursement Contractors shall only submit for audit those bills of lading with freight shipment charges exceeding $100. Bills under $100 shall be retained on-site by the Contractor and made available for on-site audits. This exception only applies to freight shipment bills and is not intended to apply to bills and invoices for any other transportation services.

(c) Contractors shall submit the above referenced transportation documents to

TBD (DCMA Office will be provided at contract award)

(End of Clause)

I-174 252.203-7004 DISPLAY OF FRAUD HOTLINE POSTER(S) DEC/2012

(a) Definition. United States, as used in this clause, means the 50 States, the District of Columbia, and outlying areas.

(b) Display of fraud hotline poster(s).

(1) The Contractor shall display prominently in common work areas within business segments performing work in the United States under Department of Defense (DoD) contracts DoD hotline posters prepared by the DoD Office of the Inspector General. DoD hotline posters may be obtained via the Internet at http://www.dodig.mil/HOTLINE/hotline_posters.htm.

(2) If the contract is funded, in whole or in part, by Department of Homeland Security (DHS) disaster relief funds, the DHS fraud hotline poster shall be displayed in addition to the DoD fraud hotline poster. If a display of a DHS fraud hotline poster is required, the Contractor may obtain such poster from:

N/A

(3) Additionally, if the Contractor maintains a company website as a method of providing information to employees, the Contractor shall display an electronic version of the poster(s) at the website.

(c) Subcontracts. The Contractor shall include the substance of this clause, including this paragraph (c), in all subcontracts that exceed $5 million except when the subcontract--

(1) Is for the acquisition of a commercial item; or

(2) Is performed entirely outside the United States.

(End of clause)

I-175 252.204-7010 REQUIREMENT FOR CONTRACTOR TO NOTIFY DOD IF THE CONTRACTOR'S ACTIVITIES ARE SUBJECT TO REPORTING UNDER THE U.S.-INTERNATIONAL ATOMIC ENERGY AGENCY ADDITIONAL PROTOCOL JAN/2009

(a) If the Contractor is required to report any of its activities in accordance with Department of Commerce regulations (15 CFR Part 781 et seq.) or Nuclear Regulatory Commission regulations (10 CFR Part 75) in order to implement the declarations required by the U.S.-International Atomic Energy Agency Additional Protocol (U.S.-IAEA AP), the Contractor shall

(1) Immediately provide written notification to the following DoD Program Manager:

Project Manager Joint Light Tactical Vehicles
6501 E 11 Mile Rd
SFAE-CSS-JL MS 640
Warren Michigan 48397-5000

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(2) Include in the notification

(i) Where DoD contract activities or information are located relative to the activities or information to be declared to the Department of Commerce or the Nuclear Regulatory Commission; and

(ii) If or when any current or former DoD contract activities and the activities to be declared to the Department of Commerce or the Nuclear Regulatory Commission have been or will be co-located or located near enough to one another to result in disclosure of the DoD activities during an IAEA inspection or visit; and

(3) Provide a copy of the notification to the Contracting Officer.

(b) After receipt of a notification submitted in accordance with paragraph (a) of this clause, the DoD Program Manager will

(1) Conduct a security assessment to determine if and by what means access may be granted to the IAEA; or

(2) Provide written justification to the component or agency treaty office for a national security exclusion, in accordance with DoD Instruction 2060.03, Application of the National Security Exclusion to the Agreements Between the United States of America and the International Atomic Energy Agency for the Application of Safeguards in the United States of America. DoD will notify the Contractor if a national security exclusion is applied at the Contractors location to prohibit access by the IAEA.

(c) If the DoD Program Manager determines that a security assessment is required

(1) DoD will, at a minimum

(i) Notify the Contractor that DoD officials intend to conduct an assessment of vulnerabilities to IAEA inspections or visits;

(ii) Notify the Contractor of the time at which the assessment will be conducted, at least 30 days prior to the assessment;

(iii) Provide the Contractor with advance notice of the credentials of the DoD officials who will conduct the assessment; and

(iv) To the maximum extent practicable, conduct the assessment in a manner that does not impede or delay operations at the Contractors facility; and

(2) The Contractor shall provide access to the site and shall cooperate with DoD officials in the assessment of vulnerabilities to IAEA inspections or visits.

(d) Following a security assessment of the Contractors facility, DoD officials will notify the Contractor as to

(1) Whether the Contractors facility has any vulnerabilities where potentially declarable activities under the U.S.-IAEA AP are taking place;

(2) Whether additional security measures are needed; and

(3) Whether DoD will apply a national security exclusion.

(e) If DoD applies a national security exclusion, the Contractor shall not grant access to IAEA inspectors.

(f) If DoD does not apply a national security exclusion, the Contractor shall apply managed access to prevent disclosure of program activities, locations, or information in the U.S. declaration.

(g) The Contractor shall not delay submission of any reports required by the Department of Commerce or the Nuclear Regulatory Commission while awaiting a DoD response to a notification provided in accordance with this clause.

(h) The Contractor shall incorporate the substance of this clause, including this paragraph (h), in all subcontracts that are subject to the provisions of the U.S.-IAEA AP.

(End of clause)

I-176 252.234-7002 EARNED VALUE MANAGEMENT SYSTEM MAY/2011

(a) Definitions. As used in this clause--

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Acceptable earned value management system means an earned value management system that generally complies with system criteria in paragraph (b) of this clause.

Earned value management system means an earned value management system that complies with the earned value management system guidelines in the ANSI/EIA-748.

Significant deficiency means a shortcoming in the system that materially affects the ability of officials of the Department of Defense to rely upon information produced by the system that is needed for management purposes.

(b) System criteria. In the performance of this contract, the Contractor shall use--

(1) An Earned Value Management System (EVMS) that complies with the EVMS guidelines in the American National Standards Institute/Electronic Industries Alliance Standard 748, Earned Value Management Systems (ANSI/EIA-748); and

(2) Management procedures that provide for generation of timely, reliable, and verifiable information for the Contract Performance Report (CPR) and the Integrated Master Schedule (IMS) required by the CPR and IMS data items of this contract.

(c) If this contract has a value of $50 million or more, the Contractor shall use an EVMS that has been determined to be acceptable by the Cognizant Federal Agency (CFA). If, at the time of award, the Contractor's EVMS has not been determined by the CFA to be in compliance with the EVMS guidelines as stated in paragraph (b)(1) of this clause, the Contractor shall apply its current system to the contract and shall take necessary actions to meet the milestones in the Contractor's EVMS plan.

(d) If this contract has a value of less than $50 million, the Government will not make a formal determination that the Contractor's EVMS complies with the EVMS guidelines in ANSI/EIA-748 with respect to the contract. The use of the Contractor's EVMS for this contract does not imply a Government determination of the Contractor's compliance with the EVMS guidelines in ANSI/EIA-748 for application to future contracts. The Government will allow the use of a Contractor's EVMS that has been formally reviewed and determined by the CFA to be in compliance with the EVMS guidelines in ANSI/EIA-748.

(e) The Contractor shall submit notification of any proposed substantive changes to the EVMS procedures and the impact of those changes to the CFA. If this contract has a value of $50 million or more, unless a waiver is granted by the CFA, any EVMS changes proposed by the Contractor require approval of the CFA prior to implementation. The CFA will advise the Contractor of the acceptability of such changes as soon as practicable (generally within 30 calendar days) after receipt of the Contractor's notice of proposed changes. If the CFA waives the advance approval requirements, the Contractor shall disclose EVMS changes to the CFA at least 14 calendar days prior to the effective date of implementation.

(f) The Government will schedule integrated baseline reviews as early as practicable, and the review process will be conducted not later than 180 calendar days after--

(1) Contract award;

(2) The exercise of significant contract options; and

(3) The incorporation of major modifications.

During such reviews, the Government and the Contractor will jointly assess the Contractor's baseline to be used for performance measurement to ensure complete coverage of the statement of work, logical scheduling of the work activities, adequate resourcing, and identification of inherent risks.

(g) The Contractor shall provide access to all pertinent records and data requested by the Contracting Officer or duly authorized representative as necessary to permit Government surveillance to ensure that the EVMS complies, and continues to comply, with the performance criteria referenced in paragraph (b) of this clause.

(h) When indicated by contract performance, the Contractor shall submit a request for approval to initiate an over-target baseline or over-target schedule to the Contracting Officer. The request shall include a top-level projection of cost and/or schedule growth, a determination of whether or not performance variances will be retained, and a schedule of implementation for the rebaselining. The Government will acknowledge receipt of the request in a timely manner (generally within 30 calendar days).

(i) Significant deficiencies. (1) The Contracting Officer will provide an initial determination to the Contractor, in writing, on any significant deficiencies. The initial determination will describe the deficiency in sufficient detail to allow the Contractor to understand the deficiency.

(2) The Contractor shall respond within 30 days to a written initial determination from the Contracting Officer that identifies significant deficiencies in the Contractor's EVMS. If the Contractor disagrees with the initial determination, the Contractor shall

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state, in writing, its rationale for disagreeing.

(3) The Contracting Officer will evaluate the Contractor's response and notify the Contractor, in writing, of the Contracting Officer's final determination concerning--

(i) Remaining significant deficiencies;

(ii) The adequacy of any proposed or completed corrective action;

(iii) System noncompliance, when the Contractor's existing EVMS fails to comply with the earned value management system guidelines in the ANSI/EIA-748; and

(iv) System disapproval, if initial EVMS validation is not successfully completed within the timeframe approved by the Contracting Officer, or if the Contracting Officer determines that the Contractor's earned value management system contains one or more significant deficiencies in high-risk guidelines in ANSI/EIA-748 standards (guidelines 1, 3, 6, 7, 8, 9, 10, 12, 16, 21, 23, 26, 27, 28, 30, or 32). When the Contracting Officer determines that the existing earned value management system contains one or more significant deficiencies in one or more of the remaining 16 guidelines in ANSI/EIA-748 standards, the contracting officer will use discretion to disapprove the system based on input received from functional specialists and the auditor.

(4) If the Contractor receives the Contracting Officer's final determination of significant deficiencies, the Contractor shall, within 45 days of receipt of the final determination, either correct the significant deficiencies or submit an acceptable corrective action plan showing milestones and actions to eliminate the significant deficiencies.

(j) Withholding payments. If the Contracting Officer makes a final determination to disapprove the Contractor's EVMS, and the contract includes the clause at 252.242-7005, Contractor Business Systems, the Contracting Officer will withhold payments in accordance with that clause.

(k) With the exception of paragraphs (i) and (j) of this clause, the Contractor shall require its subcontractors to comply with EVMS requirements as follows:

(1) For subcontracts valued at $50 million or more, the following subcontractors shall comply with the requirements of this clause:

-1-

(2) For subcontracts valued at less than $50 million, the following subcontractors shall comply with the requirements of this clause, excluding the requirements of paragraph (c) of this clause:

-2-

(End of clause)

DRAFT

I-177	252.235-7010	ACKNOWLEDGMENT OF SUPPORT AND DISCLAIMER	MAY/1995

(a) The Contractor shall include an acknowledgment of the Government's support in the publication of any material based on or developed under this contract, stated in the following terms: This material is based upon work supported by the Army Contracting Command - Warren under Contract No. TBD.

(b) All material, except scientific articles or papers published in scientific journals, must, in addition to any notices or disclaimers by the Contractor, also contain the following disclaimer: Any opinions, findings and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the Army Contracting Command - Warren.

(End of clause)

I-178	252.239-7016	TELECOMMUNICATIONS SECURITY EQUIPMENT, DEVICES, TECHNIQUES, AND SERVICES	DEC/1991

(a) Definitions. As used in this clause

(1) Securing means the application of Government-approved telecommunications security equipment, devices, techniques, or services to contractor telecommunications systems.

(2) Sensitive information means any information the loss, misuse, or modification of which, or unauthorized access to, could adversely affect the national interest or the conduct of Federal programs, or the privacy to which individuals are entitled under 5 U.S.C. 552a (the Privacy Act), but which has not been specifically authorized under criteria established by an Executive Order or Act of Congress to be kept secret in the interest of national defense or foreign policy.

(3) Telecommunications systems means voice, record, and data communications, including management information systems and local data networks that connect to external transmission media, when employed by Government agencies, contractors, and subcontractors to transmit

(i) Classified or sensitive information;

(ii) Matters involving intelligence activities, cryptologic activities related to national security, the command and control of military forces, or equipment that is an integral part of a weapon or weapons system; or

(iii) Matters critical to the direct fulfillment of military or intelligence missions.

(b) This solicitation/contract identifies classified or sensitive information that requires securing during telecommunications and requires the Contractor to secure telecommunications systems. The Contractor agrees to secure information and systems at the following location: Contractor location

(c) To provide the security, the Contractor shall use Government-approved telecommunications equipment, devices, techniques, or services. A list of the approved equipment, etc. may be obtained from standard device list or location. Equipment, devices, techniques, or services used by the Contractor must be compatible or interoperable with JPO JLTV Detroit Arseanl COMSEC custodian, test sits

(d) Except as may be provided elsewhere in this contract, the Contractor shall furnish all telecommunications security equipment, devices, techniques, or services necessary to perform this contract. The Contractor must meet ownership eligibility conditions for communications security equipment designated as controlled cryptographic items.

(e) The Contractor agrees to include this clause, including this paragraph (e), in all subcontracts which require securing telecommunications.

(End of clause)

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I-179 52.203-13 CONTRACTOR CODE OF BUSINESS ETHICS AND CONDUCT APR/2010

(a) Definitions. As used in this clause--

"Agent" means any individual, including a director, an officer, an employee, or an independent Contractor, authorized to act on behalf of the organization.

"Full cooperation"--

(1) Means disclosure to the Government of the information sufficient for law enforcement to identify the nature and extent of the offense and the individuals responsible for the conduct. It includes providing timely and complete response to Government auditors and investigators' request for documents and access to employees with information;

(2) Does not foreclose any Contractor rights arising in law, the FAR, or the terms of the contract. It does not require--

(i) A Contractor to waive its attorney-client privilege or the protections afforded by the attorney work product doctrine; or

(ii) Any officer, director, owner, or employee of the Contractor, including a sole proprietor, to waive his or her attorney client privilege or Fifth Amendment rights; and

(3) Does not restrict a Contractor from--

(i) Conducting an internal investigation; or

(ii) Defending a proceeding or dispute arising under the contract or related to a potential or disclosed violation.

"Principal" means an officer, director, owner, partner, or a person having primary management or supervisory responsibilities within a

business entity (e.g., general manager; plant manager; head of a division or business segment; and similar positions).

"Subcontract" means any contract entered into by a subcontractor to furnish supplies or services for performance of a prime contract or a subcontract.

"Subcontractor" means any supplier, distributor, vendor, or firm that furnished supplies or services to or for a prime contractor or another subcontractor.

"United States," means the 50 States, the District of Columbia, and outlying areas.

(b) Code of business ethics and conduct.

(1) Within 30 days after contract award, unless the Contracting Officer establishes a longer time period, the Contractor shall--

(i) Have a written code of business ethics and conduct; and

(ii) Make a copy of the code available to each employee engaged in performance of the contract.

(2) The Contractor shall--

(i) Exercise due diligence to prevent and detect criminal conduct; and

(ii) Otherwise promote an organizational culture that encourages ethical conduct and a commitment to compliance with the law.

(3)(i) The Contractor shall timely disclose, in writing, to the agency Office of the Inspector General (OIG), with a copy to the Contracting Officer, whenever, in connection with the award, performance, or closeout of this contract or any subcontract thereunder, the Contractor has credible evidence that a principal, employee, agent, or subcontractor of the Contractor has committed--

(A) A violation of Federal criminal law involving fraud, conflict of interest, bribery, or gratuity violations found in Title 18 of the United States Code; or

(B) A violation of the civil False Claims Act (31 U.S.C. 3729-3733).

(ii) The Government, to the extent permitted by law and regulation, will safeguard and treat information obtained pursuant to the Contractors disclosure as confidential where the information has been marked confidential or proprietary by the company. To the extent permitted by law and regulation, such information will not be released by the Government to the public pursuant to a Freedom of Information Act request, 5 U.S.C. Section 552, without prior notification to the Contractor. The Government may transfer documents provided by the Contractor to any department or agency within the Executive Branch if the information relates to matters within the organizations jurisdiction.

(iii) If the violation relates to an order against a Governmentwide acquisition contract, a multi-agency contract, a multiple-award schedule contract such as the Federal Supply Schedule, or any other procurement instrument intended for use by multiple agencies, the Contractor shall notify the OIG of the ordering agency and the IG of the agency responsible for the basic contract.

(c) Business ethics awareness and compliance program and internal control system. This paragraph (c) does not apply if the Contractor has represented itself as a small business concern pursuant to the award of this contract or if this contract is for the acquisition of a commercial item as defined at FAR 2.101. The Contractor shall establish the following within 90 days after contract award, unless the Contracting Officer establishes a longer time period:

(1) An ongoing business ethics awareness and compliance program.

(i) This program shall include reasonable steps to communicate periodically and in a practical manner the Contractors standards and procedures and other aspects of the Contractors business ethics awareness and compliance program and internal control system, by conducting effective training programs and otherwise disseminating information appropriate to an individuals respective roles and responsibilities.

(ii) The training conducted under this program shall be provided to the Contractors principals and employees, and as appropriate, the Contractors agents and subcontractors.

(2) An internal control system.

(i) The Contractors internal control system shall--

(A) Establish standards and procedures to facilitate timely discovery of improper conduct in connection with Government contracts; and

DRAFT

(B) Ensure corrective measures are promptly instituted and carried out.

(ii) At a minimum, the Contractors internal control system shall provide for the following:

(A) Assignment of responsibility at a sufficiently high level and adequate resources to ensure effectiveness of the business ethics awareness and compliance program and internal control system.

(B) Reasonable efforts not to include an individual as a principal, whom due diligence would have exposed as having engaged in conduct that is in conflict with the Contractors code of business ethics and conduct.

(C) Periodic reviews of company business practices, procedures, policies, and internal controls for compliance with the Contractors code of business ethics and conduct and the special requirements of Government contracting, including--

(1) Monitoring and auditing to detect criminal conduct;

(2) Periodic evaluation of the effectiveness of the business ethics awareness and compliance program and internal control system, especially if criminal conduct has been detected; and

(3) Periodic assessment of the risk of criminal conduct, with appropriate steps to design, implement, or modify the business ethics awareness and compliance program and the internal control system as necessary to reduce the risk of criminal conduct identified through this process.

(D) An internal reporting mechanism, such as a hotline, which allows for anonymity or confidentiality, by which employees may report suspected instances of improper conduct, and instructions that encourage employees to make such reports.

(E) Disciplinary action for improper conduct or for failing to take reasonable steps to prevent or detect improper conduct.

(F) Timely disclosure, in writing, to the agency OIG, with a copy to the Contracting Officer, whenever, in connection with the award, performance, or closeout of any Government contract performed by the Contractor or a subcontract thereunder, the Contractor has credible evidence that a principal, employee, agent, or subcontractor of the Contractor has committed a violation of Federal criminal law involving fraud, conflict of interest, bribery, or gratuity violations found in Title 18 U.S.C. or a violation of the civil False Claims Act (31 U.S.C. 3729-3733).

(1) If a violation relates to more than one Government contract, the Contractor may make the disclosure to the agency OIG and Contracting Officer responsible for the largest dollar value contract impacted by the violation.

(2) If the violation relates to an order against a Governmentwide acquisition contract, a multi-agency contract, a multiple-award schedule contract such as the Federal Supply Schedule, or any other procurement instrument intended for use by multiple agencies, the contractor shall notify the OIG of the ordering agency and the IG of the agency responsible for the basic contract, and the respective agencies contracting officers.

(3) The disclosure requirement for an individual contract continues until at least 3 years after final payment on the contract.

(4) The Government will safeguard such disclosures in accordance with paragraph (b)(3)(ii) of this clause.

(G) Full cooperation with any Government agencies responsible for audits, investigations, or corrective actions.

(d) Subcontracts.

(1) The Contractor shall include the substance of this clause, including this paragraph (d), in subcontracts that have a value in excess of $5,000,000 and a performance period of more than 120 days.

(2) In altering this clause to identify the appropriate parties, all disclosures of violation of the civil False Claims Act or of Federal criminal law shall be directed to the agency Office of the Inspector General, with a copy to the Contracting Officer.

(End of clause)

I-180 52.208-8 REQUIRED SOURCES FOR HELIUM AND HELIUM USAGE DATA MAY/2014

(a) Definitions.

Bureau of Land Management, as used in this clause, means the Department of the Interior, Bureau of Land Management, Amarillo Field

DRAFT

Office, Helium Operations, located at 801 South Fillmore Street, Suite 500, Amarillo, TX 79101-3545.

Federal helium supplier means a private helium vendor that has an in-kind crude helium sales contract with the Bureau of Land Management (BLM) and that is on the BLM Amarillo Field Offices Authorized List of Federal Helium Suppliers available via the Internet at http://www.blm.gov/nm/st/en/fo/Amarillo_Field_Office.html .

Major helium requirement means an estimated refined helium requirement greater than 200,000 standard cubic feet (scf) (measured at 14.7 pounds per square inch absolute pressure and 70 degrees Fahrenheit temperature) of gaseous helium or 7510 liters of liquid helium delivered to a helium use location per year.

(b) Requirements --

(1) Contractors must purchase major helium requirements from Federal helium suppliers, to the extent that supplies are available.

(2) The Contractor shall provide to the Contracting Officer the following data within 10 days after the Contractor or subcontractor receives a delivery of helium from a Federal helium supplier --

(i) The name of the supplier;

(ii) The amount of helium purchased;

(iii) The delivery date(s); and

(iv) The location where the helium was used.

(c) Subcontracts --The Contractor shall insert this clause, including this paragraph (c), in any subcontract or order that involves a major helium requirement.

(End of Clause)

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I-181 52.215-19 NOTIFICATION OF OWNERSHIP CHANGES OCT/1997

(a) The Contractor shall make the following notifications in writing:

(1) When the Contractor becomes aware that a change in its ownership has occurred, or is certain to occur, that could result in changes in the valuation of its capitalized assets in the accounting records, the Contractor shall notify the Administrative Contracting Officer (ACO) within 30 days.

(2) The Contractor shall also notify the ACO within 30 days whenever changes to asset valuations or any other cost changes have occurred or are certain to occur as a result of a change in ownership.

(b) The Contractor shall --

(1) Maintain current, accurate, and complete inventory records of assets and their costs;

(2) Provide the ACO or designated representative ready access to the records upon request;

(3) Ensure that all individual and grouped assets, their capitalized values, accumulated depreciation or amortization, and remaining useful lives are identified accurately before and after each of the Contractors ownership changes; and

(4) Retain and continue to maintain depreciation and amortization schedules based on the asset records maintained before each Contractor ownership change.

(c) The Contractor shall include the substance of this clause in all subcontracts under this contract that meet the applicability requirement of FAR 15.408(k).

(End of Clause)

I-182 52.219-28 POST-AWARD SMALL BUSINESS PROGRAM REREPRESENTATION JUL/2013

(a) Definitions. As used in this clause--

"Long-term contract" means a contract of more than five years in duration, including options. However, the term does not include contracts that exceed five years in duration because the period of performance has been extended for a cumulative period not to exceed six months under the clause at 52.217-8, Option to Extend Services, or other appropriate authority.

"Small business concern" means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (c) of this clause. Such a concern is "not dominant in its field of operation" when it does not exercise a controlling or major influence on a national basis in a kind of business activity in which a number of business concerns are primarily engaged. In determining whether dominance exists, consideration shall be given to all appropriate factors, including volume of business, number of employees, financial resources, competitive status or position, ownership or control of materials, processes, patents, license agreements, facilities, sales territory, and nature of business activity.

(b) If the Contractor represented that it was a small business concern prior to award of this contract, the Contractor shall rerepresent its size status according to paragraph (e) of this clause or, if applicable, paragraph (g) of this clause, upon the occurrence of any of the following:

(1) Within 30 days after execution of a novation agreement or within 30 days after modification of the contract to include this clause, if the novation agreement was executed prior to inclusion of this clause in the contract.

(2) Within 30 days after a merger or acquisition that does not require a novation or within 30 days after modification of the contract to include this clause, if the merger or acquisition occurred prior to inclusion of this clause in the contract.

(3) For long-term contracts

(i) Within 60 to 120 days prior to the end of the fifth year of the contract; and

(ii) Within 60 to 120 days prior to the date specified in the contract for exercising any option thereafter.

(c) The Contractor shall rerepresent its size status in accordance with the size standard in effect at the time of this rerepresentation that corresponds to the North American Industry Classification System (NAICS) code assigned to this contract. The small business size standard corresponding to this NAICS code can be found at http://www.sba.gov/content/table-small-business-size-standards

(d) The small business size standard for a Contractor providing a product which it does not manufacture itself, for a contract other than a construction or service contract, is 500 employees.

(e) Except as provided in paragraph (g) of this clause, the Contractor shall make the representation required by paragraph (b) of this clause by validating or updating all its representations in the Representations and Certifications section of the System for Award Management (SAM) and its other data in SAM, as necessary, to ensure that they reflect the Contractor's current status. The Contractor shall notify the contracting office in writing within the timeframes specified in paragraph (b) of this clause that the data have been validated or updated, and provide the date of the validation or update.

(f) If the Contractor represented that it was other than a small business concern prior to award of this contract, the Contractor may, but is not required to, take the actions required by paragraphs (e) or (g) of this clause.

(g) If the Contractor does not have representations and certifications in SAM, or does not have a representation in SAM for the NAICS code applicable to this contract, the Contractor is required to complete the following rerepresentation and submit it to the contracting office, along with the contract number and the date on which the rerepresentation was completed:

The Contractor represents that it [ ] is, [ ] is not a small business concern under NAICS Code _____ assigned to contract number _____. [Contractor to sign and date and insert authorized signer's name and title].

(End of clause)

I-183 52.219-9 (DEV 2013-O0014) SMALL BUSINESS SUBCONTRACTING PLAN (DEVIATION 2013-O0014) (AUG 2013) -- ALTERNATE II (OCT 2001) OCT/2001

(a) This clause does not apply to small business concerns.

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(b) Definitions. As used in this clause--

"Alaska Native Corporation (ANC)" means any Regional Corporation, Village Corporation, Urban Corporation, or Group Corporation organized under the laws of the State of Alaska in accordance with the Alaska Native Claims Settlement Act, as amended (43 U.S.C. 1601, et seq.) and which is considered a minority and economically disadvantaged concern under the criteria at 43 U.S.C. 1626(e)(1). This definition also includes ANC direct and indirect subsidiary corporations, joint ventures, and partnerships that meet the requirements of 43 U.S.C. 1626(e)(2).

"Commercial item" means a product or service that satisfies the definition of commercial item in section 2.101 of the Federal Acquisition Regulation.

"Commercial plan" means a subcontracting plan (including goals) that covers the offerors fiscal year and that applies to the entire production of commercial items sold by either the entire company or a portion thereof (e.g., division, plant, or product line).

"Electronic Subcontracting Reporting System (eSRS)" means the Governmentwide, electronic, web-based system for small business subcontracting program reporting. The eSRS is located at http://www.esrs.gov.

"Indian tribe" means any Indian tribe, band, group, pueblo, or community, including native villages and native groups (including corporations organized by Kenai, Juneau, Sitka, and Kodiak) as defined in the Alaska Native Claims Settlement Act (43 U.S.C.A. 1601 et seq.), that is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs in accordance with 25 U.S.C. 1452(c). This definition also includes Indian-owned economic enterprises that meet the requirements of 25 U.S.C. 1452(e).

"Individual contract plan" means a subcontracting plan that covers the entire contract period (including option periods), applies to a specific contract, and has goals that are based on the offerors planned subcontracting in support of the specific contract, except that indirect costs incurred for common or joint purposes may be allocated on a prorated basis to the contract.

"Master plan" means a subcontracting plan that contains all the required elements of an individual contract plan, except goals, and may be incorporated into individual contract plans, provided the master plan has been approved.

"Subcontract" means any agreement (other than one involving an employer-employee relationship) entered into by a Federal Government prime Contractor or subcontractor calling for supplies or services required for performance of the contract or subcontract.

(c) Proposals submitted in response to this solicitation shall include a subcontracting plan that separately addresses subcontracting with small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns. If the offeror is submitting an individual contract plan, the plan must separately address subcontracting with small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns, with a separate part for the basic contract and separate parts for each option (if any). The plan shall be included in and made a part of the resultant contract. The subcontracting plan shall be negotiated within the time specified by the Contracting Officer. Failure to submit and negotiate a subcontracting plan shall make the offeror ineligible for award of a contract.

(d) The offerors subcontracting plan shall include the following:

(1) Goals, expressed in terms of percentages of total planned subcontracting dollars, for the use of small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns as subcontractors. The offeror shall include all sub-contracts that contribute to contract performance, and may include a proportionate share of products and services that are normally allocated as indirect costs. In accordance with 43 U.S.C. 1626:

(i) Subcontracts awarded to an ANC or Indian tribe shall be counted towards the subcontracting goals for small business and small disadvantaged business (SDB) concerns, regardless of the size or Small Business Administration certification status of the ANC or Indian tribe.

(ii) Where one or more subcontractors are in the subcontract tier between the prime contractor and the ANC or Indian tribe, the ANC or Indian tribe shall designate the appropriate contractor(s) to count the subcontract towards its small business and small disadvantaged business subcontracting goals.

(A) In most cases, the appropriate Contractor is the Contractor that awarded the subcontract to the ANC or Indian tribe.

(B) If the ANC or Indian tribe designates more than one Contractor to count the subcontract toward its goals, the ANC or Indian tribe shall designate only a portion of the total subcontract award to each Contractor. The sum of the amounts designated to various Contractors cannot exceed the total value of the subcontract.

(C) The ANC or Indian tribe shall give a copy of the written designation to the Contracting Officer, the prime Contractor, and the subcontractors in between the prime Contractor and the ANC or Indian tribe within 30 days of the date of the subcontract award.

DRAFT

(D) If the Contracting Officer does not receive a copy of the ANCs or the Indian tribes written designation within 30 days of the subcontract award, the Contractor that awarded the subcontract to the ANC or Indian tribe will be considered the designated Contractor.

(2) A statement of--

(i) Total dollars planned to be subcontracted for an individual contract plan; or the offerors total projected sales, expressed in dollars, and the total value of projected subcontracts to support the sales for a commercial plan;

(ii) Total dollars planned to be subcontracted to small business concerns (including ANC and Indian tribes);

(iii) Total dollars planned to be subcontracted to veteran-owned small business concerns;

(iv) Total dollars planned to be subcontracted to service-disabled veteran-owned small business;

(v) Total dollars planned to be subcontracted to HUBZone small business concerns;

(vi) Total dollars planned to be subcontracted to small disadvantaged business concerns (including ANCs and Indian tribes); and

(vii) Total dollars planned to be subcontracted to women-owned small business concerns.

(3) A description of the principal types of supplies and services to be subcontracted, and an identification of the types planned for subcontracting to--

(i) Small business concerns;

(ii) Veteran-owned small business concerns;

(iii) Service-disabled veteran-owned small business concerns;

(iv) HUBZone small business concerns;

(v) Small disadvantaged business concerns; and

(vi) Women-owned small business concerns.

(4) A description of the method used to develop the subcontracting goals in paragraph (d)(1) of this clause.

(5) A description of the method used to identify potential sources for solicitation purposes (e.g., existing company source lists, the System for Award Management (SAM), veterans service organizations, the National Minority Purchasing Council Vendor Information Service, the Research and Information Division of the Minority Business Development Agency in the Department of Commerce, or small, HUBZone, small disadvantaged, and women-owned small business trade associations). A firm may rely on the information contained in SAM as an accurate representation of a concern's size and ownership characteristics for the purposes of maintaining a small, veteran-owned small, service-disabled veteran-owned small, HUBZone small, small disadvantaged, and women-owned small business source list. Use of SAM as its source list does not relieve a firm of its responsibilities (e.g., outreach, assistance, counseling, or publicizing subcontracting opportunities) in this clause.

(6) A statement as to whether or not the offeror included indirect costs in establishing subcontracting goals, and a description of the method used to determine the proportionate share of indirect costs to be incurred with--

(i) Small business concerns (including ANC and Indian tribes);

(ii) Veteran-owned small business concerns;

(iii) Service-disabled veteran-owned small business concerns;

(iv) HUBZone small business concerns;

(v) Small disadvantaged business concerns (including ANC and Indian tribes); and

(vi) Women-owned small business concerns.

(7) The name of the individual employed by the offeror who will administer the offerors subcontracting program, and a description of the duties of the individual.

(8) A description of the efforts the offeror will make to assure that small business, veteran-owned small business, service-disabled

DRAFT

veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns have an equitable opportunity to compete for subcontracts.

(9) Assurances that the offeror will include the clause of this contract entitled "Utilization of Small Business Concerns" in all subcontracts that offer further subcontracting opportunities, and that the offeror will require all subcontractors (except small business concerns) that receive subcontracts in excess of $650,000 ($1.5 million for construction of any public facility) with further subcontracting possibilities to adopt a subcontracting plan that complies with the requirements of this clause.

(10) Assurances that the offeror will--

(i) Cooperate in any studies or surveys as may be required;

(ii) Submit periodic reports so that the Government can determine the extent of compliance by the offeror with the subcontracting plan;

(iii) Submit the Individual Subcontract Report (ISR) and/or the Summary Subcontract Report (SSR), in accordance with paragraph (l) of this clause using the Electronic Subcontracting Reporting System (eSRS) at http://www.esrs.gov. The reports shall provide information on subcontract awards to small business concerns (including ANCs and Indian tribes that are not small businesses), veteran-owned small business concerns, service-disabled veteran-owned small business concerns, HUBZone small business concerns, small disadvantaged business concerns (including ANCs and Indian tribes that have not been certified by the Small Business Administration as small disadvantaged businesses), women-owned small business concerns, and Historically Black Colleges and Universities and Minority Institutions. Reporting shall be in accordance with this clause, or as provided in agency regulations;

(iv) Ensure that its subcontractors with subcontracting plans agree to submit the ISR and/or the SSR using eSRS;

(v) Provide its prime contract number, its DUNS number, and the e-mail address of the offerors official responsible for acknowledging receipt of or rejecting the ISRs, to all first-tier subcontractors with subcontracting plans so they can enter this information into the eSRS when submitting their ISRs; and

(vi) Require that each subcontractor with a subcontracting plan provide the prime contract number, its own DUNS number, and the e-mail address of the subcontractors official responsible for acknowledging receipt of or rejecting the ISRs, to its subcontractors with subcontracting plans.

(11) A description of the types of records that will be maintained concerning procedures that have been adopted to comply with the requirements and goals in the plan, including establishing source lists; and a description of the offerors efforts to locate small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns and award subcontracts to them. The records shall include at least the following (on a plant-wide or company-wide basis, unless otherwise indicated):

(i) Source lists (e.g., SAM), guides, and other data that identify small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns.

(ii) Organizations contacted in an attempt to locate sources that are small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, or women-owned small business concerns.

(iii) Records on each subcontract solicitation resulting in an award of more than $150,000, indicating--

(A) Whether small business concerns were solicited and, if not, why not;

(B) Whether veteran-owned small business concerns were solicited and, if not, why not;

(C) Whether service-disabled veteran-owned small business concerns were solicited and, if not, why not;

(D) Whether HUBZone small business concerns were solicited and, if not, why not;

(E) Whether small disadvantaged business concerns were solicited and, if not, why not;

(F) Whether women-owned small business concerns were solicited and, if not, why not; and

(G) If applicable, the reason award was not made to a small business concern.

(iv) Records of any outreach efforts to contact--

(A) Trade associations;

DRAFT

(B) Business development organizations;

(C) Conferences and trade fairs to locate small, HUBZone small, small disadvantaged, and women-owned small business sources; and

(D) Veterans service organizations.

(v) Records of internal guidance and encouragement provided to buyers through

(A) Workshops, seminars, training, etc.; and

(B) Monitoring performance to evaluate compliance with the programs requirements.

(vi) On a contract-by-contract basis, records to support award data submitted by the offeror to the Government, including the name, address, and business size of each subcontractor. Contractors having commercial plans need not comply with this requirement.

(e) In order to effectively implement this plan to the extent consistent with efficient contract performance, the Contractor shall perform the following functions:

(1) Assist small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns by arranging solicitations, time for the preparation of bids, quantities, specifications, and delivery schedules so as to facilitate the participation by such concerns. Where the Contractors lists of potential small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business subcontractors are excessively long, reasonable effort shall be made to give all such small business concerns an opportunity to compete over a period of time.

(2) Provide adequate and timely consideration of the potentialities of small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns in all "make-or-buy" decisions.

(3) Counsel and discuss subcontracting opportunities with representatives of small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business firms.

(4) Confirm that a subcontractor representing itself as a HUBZone small business concern is identified as a certified HUBZone small business concern by accessing the SAM database or by contacting SBA.

(5) Provide notice to subcontractors concerning penalties and remedies for misrepresentations of business status as small, veteran-owned small business, HUBZone small, small disadvantaged, or women-owned small business for the purpose of obtaining a subcontract that is to be included as part or all of a goal contained in the Contractors subcontracting plan.

(6) For all competitive subcontracts over the simplified acquisition threshold in which a small business concern received a small business preference, upon determination of the successful subcontract offeror, the Contractor must inform each unsuccessful small business subcontract offeror in writing of the name and location of the apparent successful offeror prior to award of the contract.

(f) A master plan on a plant or division-wide basis that contains all the elements required by paragraph (d) of this clause, except goals, may be incorporated by reference as a part of the subcontracting plan required of the offeror by this clause; provided--

(1) The master plan has been approved;

(2) The offeror ensures that the master plan is updated as necessary and provides copies of the approved master plan, including evidence of its approval, to the Contracting Officer; and

(3) Goals and any deviations from the master plan deemed necessary by the Contracting Officer to satisfy the requirements of this contract are set forth in the individual subcontracting plan.

(g) A commercial plan is the preferred type of subcontracting plan for contractors furnishing commercial items. The commercial plan shall relate to the offerors planned subcontracting generally, for both commercial and Government business, rather than solely to the Government contract. Once the Contractors commercial plan has been approved, the Government will not require another subcontracting plan from the same Contractor while the plan remains in effect, as long as the product or service being provided by the Contractor continues to meet the definition of a commercial item. A Contractor with a commercial plan shall comply with the reporting requirements stated in paragraph (d)(10) of this clause by submitting one SSR in eSRS for all contracts covered by its commercial plan. This report shall be acknowledged or rejected in eSRS by the Contracting Officer who approved the plan. This report shall be submitted within 30 days after the end of the Governments fiscal year.

(h) Prior compliance of the offeror with other such subcontracting plans under previous contracts will be considered by the Contracting Officer in determining the responsibility of the offeror for award of the contract.

DRAFT

(i) A contract may have no more than one plan. When a modification meets the criteria in 19.702 for a plan, or an option is exercised, the goals associated with the modification or option shall be added to those in the existing subcontract plan.

(j) Subcontracting plans are not required from subcontractors when the prime contract contains the clause at 52.212-5, Contract Terms and Conditions Required to Implement Statutes or Executive OrdersCommercial Items, or when the subcontractor provides a commercial item subject to the clause at 52.244-6, Subcontracts for Commercial Items, under a prime contract.

(k) The failure of the Contractor or subcontractor to comply in good faith with--

(1) The clause of this contract entitled "Utilization Of Small Business Concerns;" or

(2) An approved plan required by this clause, shall be a material breach of the contract.

(l) The Contractor shall submit ISRs and SSRs using the web-based eSRS at http://www.esrs.gov. Purchases from a corporation, company, or subdivision that is an affiliate of the prime Contractor or subcontractor are not included in these reports. Subcontract award data reported by prime Contractors and subcontractors shall be limited to awards made to their immediate next-tier subcontractors. Credit cannot be taken for awards made to lower tier subcontractors, unless the Contractor or subcontractor has been designated to receive a small business or small disadvantaged business credit from an ANC or Indian Tribe. Only subcontracts involving performance in the United States or its outlying areas should be included in these reports with the exception of subcontracts under a contract awarded by the State Department or any other agency that has statutory or regulatory authority to require subcontracting plans for subcontracts performed outside the United States and its outlying areas.

(1) ISR. This report is not required for commercial plans. The report is required for each contract containing an individual subcontract plan.

(i) The report shall be submitted semi-annually during contract performance for the periods ending March 31 and September 30. A report is also required for each contract within 30 days of contract completion. Reports are due 30 days after the close of each reporting period, unless otherwise directed by the Contracting Officer. Reports are required when due, regardless of whether there has been any subcontracting activity since the inception of the contract or the previous reporting period.

(ii) When a subcontracting plan contains separate goals for the basic contract and each option, as prescribed by FAR 19.704(c), the dollar goal inserted on this report shall be the sum of the base period through the current option; for example, for a report submitted after the second option is exercised, the dollar goal would be the sum of the goals for the basic contract, the first option, and the second option.

(iii) The authority to acknowledge receipt or reject the ISR resides--

(A) In the case of the prime Contractor, with the Contracting Officer; and

(B) In the case of a subcontract with a subcontracting plan, with the entity that awarded the subcontract.

(2) SSR.

(i) Reports submitted under individual contract plans--

(A) This report encompasses all subcontracting under prime contracts and subcontracts with the awarding agency, regardless of the dollar value of the subcontracts.

(B) The report may be submitted on a corporate, company or subdivision (e.g. plant or division operating as a separate profit center) basis, unless otherwise directed by the agency.

(C) If a prime contractor and/or subcontractor is performing work for more than one executive agency, a separate report shall be submitted to each executive agency covering only that agencys contracts, provided at least one of that agencys contracts is over $650,000 (over $1.5 million for construction of a public facility) and contains a subcontracting plan. For DoD, a consolidated report shall be submitted for all contracts awarded by military departments/agencies and/or subcontracts awarded by DoD prime Contractors.

(D) The consolidated SSR shall be submitted annually for the twelve month period ending September 30. The report is due 30 days after the close of the reporting period.

(E) Subcontract awards that are related to work for more than one executive agency shall be appropriately allocated.

(F) The authority to acknowledge or reject SSRs in eSRS, including SSRs submitted by subcontractors with subcontracting plans, resides with the Government agency awarding the prime contracts unless stated otherwise in the contract.

DRAFT

(ii) Reports submitted under a commercial plan--

(A) The report shall include all subcontract awards under the commercial plan in effect during the Governments fiscal year.

(B) The report shall be submitted annually, within thirty days after the end of the Governments fiscal year.

(C) If a Contractor has a commercial plan and is performing work for more than one executive agency, the Contractor shall specify the percentage of dollars attributable to each agency from which contracts for commercial items were received.

(D) The authority to acknowledge or reject SSRs for commercial plans resides with the Contracting Officer who approved the commercial plan.

(iii) All reports submitted at the close of each fiscal year (both individual and commercial plans) shall include a Year-End Supplementary Report for Small Disadvantaged Businesses. The report shall include subcontract awards, in whole dollars, to small disadvantaged business concerns by North American Industry Classification System (NAICS) Industry Subsector. If the data are not available when the year-end SSR is submitted, the prime Contractor and/or subcontractor shall submit the Year-End Supplementary Report for Small Disadvantaged Businesses within 90 days of submitting the year-end SSR. For a commercial plan, the Contractor may obtain from each of its subcontractors a predominant NAICS Industry Subsector and report all awards to that subcontractor under its predominant NAICS Industry Subsector.

(End of clause)

I-184 52.223-3 HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA JAN/1997

(a) Hazardous material, as used in this clause, includes any material defined as hazardous under the latest version of Federal Standard No. 313 (including revisions adopted during the term of the contract).

(b) The offeror must list any hazardous material, as defined in paragraph (a) of this clause, to be delivered under this contract. The hazardous material shall be properly identified and include any applicable identification number, such as National Stock Number or Special Item Number. This information shall also be included on the Material Safety Data Sheet submitted under this contract.

Material Identification No.
(If none, insert None)

_____
_____
_____

(c) This list must be updated during performance of the contract whenever the Contractor determines that any other material to be delivered under this contract is hazardous.

(d) The apparently successful offeror agrees to submit, for each item as required prior to award, a Material Safety Data Sheet, meeting the requirements of 29 CFR 1910.1200(g) and the latest version of Federal Standard No. 313, for all hazardous material identified in paragraph (b) of this clause. Data shall be submitted in accordance with Federal Standard No. 313, whether or not the apparently successful offeror is the actual manufacturer of these items. Failure to submit the Material Safety Data Sheet prior to award may result in the apparently successful offeror being considered nonresponsible and ineligible for award.

(e) If, after award, there is a change in the composition of the item(s) or a revision to Federal Standard No. 313, which renders incomplete or inaccurate the data submitted under paragraph (d) of this clause, the Contractor shall promptly notify the Contracting Officer and resubmit the data.

(f) Neither the requirements of this clause nor any act or failure to act by the Government shall relieve the Contractor of any responsibility or liability for the safety of Government, Contractor, or subcontractor personnel or property.

(g) Nothing contained in this clause shall relieve the Contractor from complying with applicable Federal, State, and local laws, codes, ordinances, and regulations (including the obtaining of licenses and permits) in connection with hazardous material.

(h) The Government's rights in data furnished under this contract with respect to hazardous material are as follows:

(1) To use, duplicate and disclose any data to which this clause is applicable. The purposes of this right are to --

(i) Apprise personnel of the hazards to which they may be exposed in using, handling, packaging, transporting, or disposing of hazardous materials;

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(ii) Obtain medical treatment for those affected by the material; and

(iii) Have others use, duplicate, and disclose the data for the Government for these purposes.

(2) To use, duplicate, and disclose data furnished under this clause, in accordance with subparagraph (h)(1) of this clause, in precedence over any other clause of this contract providing for rights in data.

(3) The Government is not precluded from using similar or identical data acquired from other sources.

(End of Clause)

I-185 52.223-11 OZONE-DEPLETING SUBSTANCES MAY/2001

(a) Definition. Ozone-depleting substance, as used in this clause, means any substance the Environmental Protection Agency designates in 40 CFR Part 82 as--

(1) Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or

(2) Class II , including, but not limited to hydrochlorofluorocarbons.

(b) The Contractor shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), and (d) and 40 CFR Part 82, Subpart E, as follows:

Warning

Contains (or manufactured with, if applicable) *_____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere.

* The Contractor shall insert the name of the substance(s).

(End of Clause)

I-186 52.230-2 COST ACCOUNTING STANDARDS MAY/2014

(a) Unless the contract is exempt under 48 CFR 9903.201-1 and 9903.201-2, the provisions of 48 CFR Part 9903 are incorporated herein by reference and the Contractor, in connection with this contract, shall

(1) (CAS-covered Contracts Only) By submission of a Disclosure Statement, disclose in writing the Contractors cost accounting practices as required by 48 CFR 9903.202-1 through 9903.202-5, including methods of distinguishing direct costs from indirect costs and the basis used for allocating indirect costs. The practices disclosed for this contract shall be the same as the practices currently disclosed and applied on all other contracts and subcontracts being performed by the Contractor and which contain a Cost Accounting Standards (CAS) clause. If the Contractor has notified the Contracting Officer that the Disclosure Statement contains trade secrets and commercial or financial information which is privileged and confidential, the Disclosure Statement shall be protected and shall not be released outside of the Government.

(2) Follow consistently the Contractors cost accounting practices in accumulating and reporting contract performance cost data concerning this contract. If any change in cost accounting practices is made for the purposes of any contract or subcontract subject to CAS requirements, the change must be applied prospectively to this contract and the Disclosure Statement must be amended accordingly. If the contract price or cost allowance of this contract is affected by such changes, adjustment shall be made in accordance with paragraph (a)(4) or (a)(5) of this clause, as appropriate.

(3) Comply with all CAS, including any modifications and interpretations indicated thereto contained in 48 CFR Part 9904, in effect on the date of award of this contract or, if the Contractor has submitted certified cost or pricing data, on the date of final agreement on price as shown on the Contractors signed certificate of current cost or pricing data. The Contractor shall also comply with any CAS (or modifications to CAS) which hereafter become applicable to a contract or subcontract of the Contractor. Such compliance shall be required prospectively from the date of applicability to such contract or subcontract.

(4)(i) (Agree to an equitable adjustment as provided in the Changes clause of this contract if the contract cost is affected by a change which, pursuant to paragraph (a)(3) of this clause, the Contractor is required to make to the Contractors established cost accounting practices.

(ii) Negotiate with the Contracting Officer to determine the terms and conditions under which a change may be made to a cost accounting practice, other than a change made under other provisions of paragraph (a)(4) of this clause; provided that no agreement may

DRAFT

be made under this provision that will increase costs paid by the United States.

(iii) When the parties agree to a change to a cost accounting practice, other than a change under subdivision (a)(4)(i) of this clause, negotiate an equitable adjustment as provided in the Changes clause of this contract.

(5) Agree to an adjustment of the contract price or cost allowance, as appropriate, if the Contractor or a subcontractor fails to comply with an applicable Cost Accounting Standard, or to follow any cost accounting practice consistently and such failure results in any increased costs paid by the United States. Such adjustment shall provide for recovery of the increased costs to the United States, together with interest thereon computed at the annual rate established under section 6621(a)(2) of the Internal Revenue Code of 1986 (26 U.S.C. 6621(a)(2)) for such period, from the time the payment by the United States was made to the time the adjustment is effected. In no case shall the Government recover costs greater than the increased cost to the Government, in the aggregate, on the relevant contracts subject to the price adjustment, unless the Contractor made a change in its cost accounting practices of which it was aware or should have been aware at the time of price negotiations and which it failed to disclose to the Government.

(b) If the parties fail to agree whether the Contractor or a subcontractor has complied with an applicable CAS in 48 CFR 9904 or a CAS rule or regulation in 48 CFR 9903 and as to any cost adjustment demanded by the United States, such failure to agree will constitute a dispute under 41 U.S.C. chapter 71, Contract Disputes.

(c) The Contractor shall permit any authorized representatives of the Government to examine and make copies of any documents, papers, or records relating to compliance with the requirements of this clause.

(d) The Contractor shall include in all negotiated subcontracts which the Contractor enters into, the substance of this clause, except paragraph (b), and shall require such inclusion in all other subcontracts, of any tier, including the obligation to comply with all CAS in effect on the subcontractors award date or if the subcontractor has submitted certified cost or pricing data, on the date of final agreement on price as shown on the subcontractors signed Certificate of Current Cost or Pricing Data. If the subcontract is awarded to a business unit which pursuant to 48 CFR 9903.201-2 is subject to other types of CAS coverage, the substance of the applicable clause set forth in subsection 30.201-4 of the Federal Acquisition Regulation shall be inserted. This requirement shall apply only to negotiated subcontracts in excess of $700,000, except that the requirement shall not apply to negotiated subcontracts otherwise exempt from the requirement to include a CAS clause as specified in 48 CFR 9903.201-1.

(End of clause)

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I-187 52.234-1 INDUSTRIAL RESOURCES DEVELOPED UNDER DEFENSE PRODUCTION ACT TITLE III DEC/1994

(a) Definitions. Title III industrial resource means materials, services, processes, or manufacturing equipment (including the processes, technologies, and ancillary services for the use of such equipment) established or maintained under the authority of Title III, Defense Production Act (50 U.S.C. App. 2091-2093).

Title III project contractor means a contractor that has received assistance for the development or manufacture of an industrial resource under 50 U.S.C. App. 2091-2093, Defense Production Act.

(b) The Contractor shall refer any request from a Title III project contractor for testing and qualification of a Title III industrial resource to the Contracting Officer.

(c) Upon the direction of the Contracting Officer, the Contractor shall test Title III industrial resources for qualification. The Contractor shall provide the test results to the Defense Production Act Office, Title III Program, located at Wright Patterson Air Force Base, Ohio 45433-7739.

(d) When the Contracting Officer modifies the contract to direct testing pursuant to this clause, the Government will provide the Title III industrial resource to be tested and will make an equitable adjustment in the contract for the costs of testing and qualification of the Title III industrial resource.

(e) The Contractor agrees to insert the substance of this clause, including paragraph (e), in every subcontract issued in performance of this contract.

I-188 52.252-2 CLAUSES INCORPORATED BY REFERENCE FEB/1998

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address:

http://www.acq.osd.mil/dpap/dars/far.html or http://www.acq.osd.mil/dpap/dars/index.htm or http://farsite.hill.af.mil/VFAFARa.HTM

(End of Clause)

I-189	52.252-6	AUTHORIZED DEVIATIONS IN CLAUSES	APR/1984

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of (DEVIATION) after the date of the clause.

(b) The use in this solicitation or contract of any DoD FAR SUPPLEMENT (48 CFR 2) clause with an authorized deviation is indicated by the addition of (DEVIATION) after the name of the regulation.

(End of Clause)

I-190	252.219-7003 (DEV 2013-O0014)	SMALL BUSINESS SUBCONTRACTING PLAN (DOD CONTRACTS) (DEVIATION 2013-O0014)	AUG/2013

This clause supplements the Federal Acquisition Regulation 52.219-9, Small Business Subcontracting Plan, clause of this contract.

(a) Definitions. As used in this clause--

"Historically black colleges and universities," means institutions determined by the Secretary of Education to meet the requirements of 34 CFR Section 608.2. The term also means any nonprofit research institution that was an integral part of such a college or university before November 14, 1986.

"Minority institutions," means institutions meeting the requirements of Section 1046(3) of the Higher Education Act of 1965 (20 U.S.C. 1135d-5(3)). The term also includes Hispanic-serving institutions as defined in Section 316(b)(1) of such Act (20 U.S.C. 1059c(b)(1)).

"Summary Subcontract Report (SSR) Coordinator," means the individual who is registered in eSRS at the Department of Defense (9700).

(b) Except for company or division-wide commercial items subcontracting plans, the term small disadvantaged business," when used in the FAR 52.219-9 clause, includes historically black colleges and universities and minority institutions, in addition to small disadvantaged business concerns.

(c) Work under the contract or its subcontracts shall be credited toward meeting the small disadvantaged business concern goal required by paragraph (d) of the FAR 52.219-9 clause when:

(1) It is performed on Indian lands or in joint venture with an Indian Tribe or a Tribally-owned corporation, and

(2) It meets the requirements of 10 U.S.C. 2323a.

(d) Subcontracts awarded to workshops approved by the Committee for Purchase from People Who are Blind or Severely Disabled (41 U.S.C. 8502-8504), may be counted toward the Contractors small business subcontracting goal.

(e) A mentor firm, under the Pilot Mentor-Protege Program established under section 831 of Public Law 101-510, as amended, may count toward its small disadvantaged business goal, subcontracts awarded--

(1) Protege firms which are qualified organizations employing the severely disabled; and

(2) Former protege firms that meet the criteria in Section 831(g)(4) of Public Law 101-510.

(f) The master plan is approved by the Contractor's cognizant contract administration activity.

(g) In those subcontracting plans which specifically identify small businesses, the Contractor shall notify the Administrative Contracting Officer of any substitutions of firms that are not small business firms, for the small business firms specifically identified in the subcontracting plan. Notifications shall be in writing and shall occur within a reasonable period of time after award of the subcontract. Contractor-specified formats shall be acceptable.

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(h)(1) For DoD, the Contractor shall submit reports in eSRS as follows:

(i) The Individual Subcontract Report (ISR) shall be submitted to the contracting officer at the procuring contracting office, even when contract administration has been delegated to the Defense Contract Management Agency.

(ii) To submit the consolidated SSR for an individual subcontracting plan in eSRS, the contractor identifies the Government Agency in Block 7 (Agency to which the report is being submitted) by selecting the Department of Defense (DoD) (9700) from the top of the second dropdown menu. Do not select anything lower.

(2) For DoD, the authority to acknowledge receipt or reject reports in eSRS is as follows:

(i) The authority to acknowledge receipt or reject the ISR resides with the contracting officer who receives it, as described in paragraph (h)(1)(i) of this clause.

(ii) The authority to acknowledge receipt or reject SSRs in eSRS resides with the SSR Coordinator.

(End of clause)

I-191 252.223-7001 HAZARD WARNING LABELS DEC/1991

(a) Hazardous material, as used in this clause, is defined in the Hazardous Material Identification and Material Safety Data clause of this contract.

(b) The Contractor shall label the item package (unit container) of any hazardous material to be delivered under this contract in accordance with the Hazard Communication Standard (29 CFR 1910.1200 et seq). The Standard requires that the hazard warning label conform to the requirements of the standard unless the material is otherwise subject to the labeling requirements of one of the following statutes:

(1) Federal Insecticide, Fungicide and Rodenticide Act;

(2) Federal Food, Drug and Cosmetics Act;

(3) Consumer Product Safety Act;

(4) Federal Hazardous Substances Act; or

(5) Federal Alcohol Administration Act.

(c) The Offeror shall list which hazardous material listed in the Hazardous Material Identification and Material Safety Data clause of this contract will be labeled in accordance with one of the Acts in paragraphs (b)(1) through (5) of this clause instead of the Hazard Communication Standard. Any hazardous material not listed will be interpreted to mean that a label is required in accordance with the Hazard Communication Standard.

MATERIAL (If None, Insert None.)	ACT

(d) The apparently successful Offeror agrees to submit, before award, a copy of the hazard warning label for all hazardous materials not listed in paragraph (c) of this clause. The Offeror shall submit the label with the Material Safety Data Sheet being furnished under the Hazardous Material Identification and Material Safety Data clause of this contract.

(e) The Contractor shall also comply with MIL-STD-129, Marking for Shipment and Storage (including revisions adopted during the term of this contract).

(End of clause)

I-192 52.204-4009 MANDATORY USE OF CONTRACTOR TO GOVERNMENT ELECTRONIC COMMUNICATION MAR/2005

(a) All references in the contract to the submission of written documentation shall mean electronic submission. All electronic

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submissions shall be in the formats and media described in the website:

http://contracting.tacom.army.mil/acqinfo/ebidnotice.htm

(b) This shall include all written unclassified communications between the Government and the Contractor except contract awards and contract modifications which shall be posted on the internet. Return receipt shall be used if a commercial application is available. Classified information shall be handled in full accordance with the appropriate security requirements.

(c) In order to be contractually binding, all Government communications requiring a Contracting Officer signature must be sent from the Contracting Officer's e-mail address. The Contractor shall designate the personnel with signature authority who can contractually bind the contractor. All binding contractor communication shall be sent from this contractor e-mail address(es).

(d) Upon award, the Contractor shall provide the Contracting Officer with a list of e-mail addresses for all administrative and technical personnel assigned to this contract.

(e) Unless exempted by the Procuring Contracting Officer in writing, all unclassified written communication after contract award shall be transmitted electronically.

[End of Clause]

I-193 52.219-4070 PILOT MENTOR-PROTEGE PROGRAM APR/2006

(a) The Pilot Mentor-Protege Program does not apply to small business concerns.

(b) Utilization of the Pilot Mentor-Protege Program (hereafter referred to as the Program) is encouraged. Under the Program, eligible companies approved as mentor firms enter into a mentor-protege agreement with eligible protege firms. The goal of the program is to provide appropriate developmental assistance to enhance the capabilities of the protege firm. The Mentor firm may be eligible for cost reimbursement or credit against their applicable subcontracting goals.

(c) Mentor firms are encouraged to identify and select concerns that are defined as emerging small business concerns, small disadvantaged business, women-owned small business, HUBZone small business, service-disabled veteran-owned small business, veteran-owned small business or an eligible entity employing the severely disabled.

(d) Full details of the program are located at http://www.acq.osd.mil/sadbu/mentor protege/

or

http://sellingtoarmy.info/User/ShowPage.aspx?SectionID=12

(e) For additional questions after reviewing the information provided, contact the Office of Small Business Programs serving your area.

[End of Clause]

DRAFT

Name of Offeror or Contractor:

SECTION J - LIST OF ATTACHMENTS

List of Addenda	Title	Date	Number of Pages	Transmitted By
Exhibit A	CONTRACT DATA REQUIREMENTS LIST A	04-NOV-2014	001	EMAIL
Exhibit B	CONTRACT DATA REQUIREMENTS LIST B	04-NOV-2014	001	EMAIL
Exhibit C	CONTRACT DATA REQUIREMENTS LIST C	04-NOV-2014	001	EMAIL
Exhibit D	CONTRACT DATA REQUIREMENTS LIST D	04-NOV-2014	001	EMAIL
Exhibit E	CONTRACT DATA REQUIREMENTS LIST E	04-NOV-2014	001	EMAIL
Attachment 0001	PURCHASE DESCRIPTION	04-NOV-2014	001	MAIL
Attachment 0002	INTEGRATED MASTER PLAN	04-NOV-2014	003	EMAIL
Attachment 0003	DD 254	17-JUN-2014	008	EMAIL
Attachment 0004	CSDR (DD FORM 2794)	10-OCT-2014	020	EMAIL
Attachment 0005	FUNDS MAN-HOUR EXPENDITURE REPORT	04-NOV-2014	002	EMAIL
Attachment 0006	PROJECT EXPENDITURE REPORT	04-NOV-2014	002	EMAIL
Attachment 0007	MULTI-YEAR COST ESTIMATE TEMPLATE	04-NOV-2014	011	EMAIL
Attachment 0008	IMS CSV FORMAT	04-NOV-2014	003	EMAIL
Attachment 0009	SESAME GUIDE	04-NOV-2014	004	EMAIL
Attachment 0010	KEY SUBSYSTEMS AND DESIGN MARGINS	04-NOV-2014	003	EMAIL
Attachment 0011	FUTURE REQUIREMENTS	04-NOV-2014	003	EMAIL
Attachment 0012	M AND S INPUT DATA SHEETS	04-NOV-2014	067	EMAIL
Attachment 0013	VULNERABILITY ANALYSIS INPUT DATA SHEETS	04-NOV-2014	007	EMAIL
Attachment 0014	MIL GRADE CONNECTOR WAIVER FORM	04-NOV-2014	003	EMAIL
Attachment 0015	SIL CONFIGURATION AND VERIFICATION AUDIT (SCAVA)	04-NOV-2014	004	EMAIL
Attachment 0016	RISK MANAGEMENT SCORING CRITERIA AND REPORTING TEMPLATE	04-NOV-2014	004	EMAIL
Attachment 0017	PRODUCTION TECHNICAL CAD DATA	04-NOV-2014	013	EMAIL
Attachment 0018	HAZARD TRACKING LOG	04-NOV-2014	005	EMAIL
Attachment 0019	EXCEPTIONS TO HAZARDOUS MATERIALS REQUIREMENTS	04-NOV-2014	004	EMAIL
Attachment 0020	ENGINEERING CHANGE PROPOSAL (ECP)	04-NOV-2014	009	EMAIL
Attachment 0021	REQUEST FOR DEVIATION (RFD)	04-NOV-2014	005	EMAIL
Attachment 0022	CONTRACT FUNDS STATUS REPORT	04-NOV-2014	002	EMAIL
Attachment 0023	TDP1	21-JUL-2014	005	EMAIL
Attachment 0024	TDP2_FMTV-MODELING-STD-100T	13-FEB-2014	175	EMAIL
Attachment 0025	WINDCHILL ECP PROCESS	04-NOV-2014	013	EMAIL
Attachment 0026	VEHICLE SPECIFICATION SHEET	04-NOV-2014	003	EMAIL
Attachment 0027	GFE_GFI LIST	04-NOV-2014	002	EMAIL
Attachment 0028	SUPPLIER RFI FORM	04-NOV-2014	003	EMAIL
Attachment 0029	AT_PLAN_TEMPLATE	29-AUG-2011	040	EMAIL
Attachment 0030	AT_TEMPLATE_INTRO	29-AUG-2011	003	EMAIL
Attachment 0031	AS-BUILT CONFIGURATION LIST (ABCL)	04-NOV-2014	003	EMAIL
Attachment 0032	WORK DIRECTIVE PROCESS	04-NOV-2014	002	EMAIL
Attachment 0033	NEW EQUIPMENT TRAINING	04-NOV-2014	002	EMAIL
Attachment 0034	DEPROCESSING CHECKLIST	04-NOV-2014	025	EMAIL
Attachment 0035	NET PLAN	04-NOV-2014	011	EMAIL
Attachment 0036	FMECA REQUIREMENTS	21-APR-2014	021	EMAIL
Attachment 0037	TABLE A-II (OPERATOR MATRIX)	04-NOV-2014	012	EMAIL
Attachment 0038	TABLE A-XVII (FUNCTIONALITY MATRIX)	04-NOV-2014	004	EMAIL
Attachment 0039	TABLE A-XXI (CONTENT SELECTION MATRIX)	04-NOV-2014	009	EMAIL
Attachment 0040	TABLE A-II (-13 AND -13&P)	04-NOV-2014	013	EMAIL
Attachment 0041	JLTV OPERATOR MANUAL	04-NOV-2014	002	EMAIL
Attachment 0042	TABLE A-VII (DMWR_NMWR REQUIREMENTS MATRIX)	04-NOV-2014	009	EMAIL
Attachment 0043	PROVISIONING REQUIREMENTS STATEMENT	04-NOV-2014	003	EMAIL
Attachment 0044	DATA REQUIREMENTS FORM FOR ACQUISITION REQUIREMENT PACKAGE (ARP)	04-NOV-2014	003	EMAIL
Attachment 0045	PACKAGING DATA PRODUCTS	04-NOV-2014	004	EMAIL
Attachment 0046	INCOMING TRANSACTION FORMAT	04-NOV-2014	003	EMAIL
Attachment 0047	REVISIONS AND EXCEPTIONS TO SAE ARP 1967A	04-NOV-2014	005	EMAIL
Attachment 0048	TB 9-289	27-APR-1984	026	EMAIL
Attachment 0049	OBSERVATION CHECKLIST	04-NOV-2014	003	EMAIL
Attachment 0050	FIELDING LOCATION AND SCHEDULE	04-NOV-2014	006	EMAIL
Attachment 0051	TURN AROUND TIME METRIC	04-NOV-2014	002	EMAIL
Attachment 0052	VEHICLE FAILURE REPLACEMENT MATRIX	04-NOV-2014	002	EMAIL
Attachment 0053	PRE-TRR CHECKLIST	04-NOV-2014	004	EMAIL
Attachment 0054	JLTV FDSC REV3.3A (7 AUG 2012)	15-JUL-2014	022	EMAIL

DRAFT

Name of Offeror or Contractor:

List of Addenda	Title	Date	Number of Pages	Transmitted By
Attachment 0055	JLTV OMSMP VER 3.3 (12JAN2012)	08-MAY-2014	014	EMAIL
Attachment 0056	VEASAM	04-NOV-2014	004	EMAIL
Attachment 0057	RAM DUTY CYCLES	04-NOV-2014	007	EMAIL
Attachment 0058	JLTV RAM FEF GUIDELINES	04-NOV-2014	003	EMAIL
Attachment 0059	WELDING STANDARDS	04-NOV-2014	003	EMAIL
Attachment 0060	OPTION PRICING ATTACHMENT	04-NOV-2014	020	EMAIL
Attachment 0061	PRIMARY TECHNICAL PERFORMANCE REQUIREMENTS LISTS	04-NOV-2014	002	EMAIL
Attachment 0062	PRIMARY TECHNICAL REQUIREMENTS WORKSHEET	04-NOV-2014	002	EMAIL
Attachment 0063	3D CAD MODELS	04-NOV-2014	002	EMAIL
Attachment 0064	PROPOSED SPECIFICATION SHEET	04-NOV-2014	002	EMAIL
Attachment 0065	SPECIFICATION SHEET	04-NOV-2014	002	EMAIL
Attachment 0066	RAM DATA SHEET	04-NOV-2014	002	EMAIL
Attachment 0067	CAB DESIGN DATA SHEET	04-NOV-2014	007	EMAIL
Attachment 0068	CREW SEATING DATA SHEET	04-NOV-2014	007	EMAIL
Attachment 0069	BLAST OR IED DATA SHEET	04-NOV-2014	008	EMAIL
Attachment 0070	PRICING MATRIX	04-NOV-2014	037	EMAIL
Attachment 0071	LCC ADJUSTMENT CALCULATOR	04-NOV-2014	006	EMAIL
Attachment 0072	TDP BOM	04-NOV-2014	026	EMAIL
Attachment 0073	TIER 1 OBJECTIVE REQUIREMENTS ADJUSTMENT	04-NOV-2014	002	EMAIL
Attachment 0074	REQUIREMENTS COMPLIANCE MATRIX	04-NOV-2014	002	EMAIL
Attachment 0075	RESERVED	04-NOV-2014	004	EMAIL
Attachment 0076	SMALL BUSINESS PARTICIPATION FACTOR WORKBOOK	04-NOV-2014	008	EMAIL
Attachment 0077	SMALL BUSINESS PARTICIPATION FACTOR WORKBOOK INSTRUCTIONS	04-NOV-2014	009	EMAIL
Attachment 0078	OBJECTIVE ADJUSTMENT SCALES	04-NOV-2014	003	EMAIL
Attachment 0079	JLTV GOVERNMENT FURNISHED EQUIPMENT TRACKING	04-NOV-2014	002	EMAIL
Attachment 0080	IDLE FUEL EFFICIENCY INPUT	04-NOV-2014	002	EMAIL
Attachment 0081	EMD RCM REPORT	04-NOV-2014	002	EMAIL
Attachment 0082	AFTER INSTRUCTION REPORT (AIR) AND AFTER ACTION REPORT (AAR)	04-NOV-2014	005	EMAIL
Attachment 0083	JLTV FOV MASTER TASK LIST	04-NOV-2014	015	EMAIL
Attachment 0084	JLTV LRIP AND FRP VEHICLE KIT MATRIX	04-NOV-2014	019	EMAIL
Attachment 0085	JLTV LRIP AND FRP EPA	04-NOV-2014	007	EMAIL
Attachment 0086	JLTV LRIP AND FRP DELIVERY SCHEDULE	04-NOV-2014	037	EMAIL
Attachment 0087	REINSTATABLE PRODUCTION BASELINE REQUIREMENTS	04-NOV-2014	002	EMAIL
Attachment 0088	ASSERTION OF RESTRICTIONS	04-NOV-2014	004	EMAIL

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SECTION K - REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS

	Regulatory Cite	Title	Date
K-1	52.225-20	PROHIBITION ON CONDUCTING RESTRICTED BUSINESS OPERATIONS IN SUDAN--CERTIFICATION	AUG/2009
K-2	52.225-25	PROHIBITION ON CONTRACTING WITH ENTITIES ENGAGING IN SANCTIONED ACTIVITIES RELATING TO IRAN--REPRESENTATION AND CERTIFICATION	DEC/2012
K-3	252.203-7005	REPRESENTATION RELATING TO COMPENSATION OF FORMER DOD OFFICIALS	NOV/2011
K-4	252.209-7001	DISCLOSURE OF OWNERSHIP OR CONTROL BY THE GOVERNMENT OF A TERRORIST COUNTRY	JAN/2009
K-5	252.209-7002	DISCLOSURE OF OWNERSHIP OR CONTROL BY A FOREIGN GOVERNMENT	JUN/2010
K-6	252.225-7031	SECONDARY ARAB BOYCOTT OF ISRAEL	JUN/2005
K-7	252.227-7017	IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE RESTRICTIONS	JAN/2011
K-8	252.227-7028	TECHNICAL DATA OR COMPUTER SOFTWARE PREVIOUSLY DELIVERED TO THE GOVERNMENT	JUN/1995
K-9	52.204-8	ANNUAL REPRESENTATIONS AND CERTIFICATIONS	NOV/2014

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is 336992.

(2) The small business size standard is 1,000.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b)(1) If the provision at 52.204-7, System for Award Management, is included in this solicitation, paragraph (d) of this provision applies.

(2) If the provision at 52.204-7 is not included in this solicitation, and the offeror is currently registered in the System for Award Management (SAM), and has completed the Representations and Certifications section of SAM electronically, the offeror may choose to use paragraph (d) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

[____] (i) Paragraph (d) applies.

[____] (ii) Paragraph (d) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c)(1) The following representations or certifications in SAM are applicable to this solicitation as indicated:

(i) 52.203-2, Certificate of Independent Price Determination. This provision applies to solicitations when a firm-fixed-price contract or fixed-price contract with economic price adjustment is contemplated, unless--

(A) The acquisition is to be made under the simplified acquisition procedures in Part 13;

(B) The solicitation is a request for technical proposals under two-step sealed bidding procedures; or

(C) The solicitation is for utility services for which rates are set by law or regulation.

(ii) 52.203-11, Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions. This provision applies to solicitations expected to exceed $150,000.

(iii) 52.204-3, Taxpayer Identification. This provision applies to solicitations that do not include the provision at 52.204-7, System for Award Management.

(iv) 52.204-5, Women-Owned Business (Other Than Small Business). This provision applies to solicitations that--

(A) Are not set aside for small business concerns;

(B) Exceed the simplified acquisition threshold; and

(C) Are for contracts that will be performed in the United States or its outlying areas.

(v) 52.209-2, Prohibition on Contracting with Inverted Domestic CorporationsRepresentation. This provision applies to solicitations using funds appropriated in fiscal years 2008, 2009, 2010, or 2012.

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(vi) 52.209-5, Certification Regarding Responsibility Matters. This provision applies to solicitations where the contract value is expected to exceed the simplified acquisition threshold.

(vii) 52.214-14, Place of PerformanceSealed Bidding. This provision applies to invitations for bids except those in which the place of performance is specified by the Government.

(viii) 52.215-6, Place of Performance. This provision applies to solicitations unless the place of performance is specified by the Government.

(ix) 52.219-1, Small Business Program Representations (Basic & Alternate I). This provision applies to solicitations when the contract will be performed in the United States or its outlying areas.

(A) The basic provision applies when the solicitations are issued by other than DoD, NASA, and the Coast Guard.

(B) The provision with its Alternate I applies to solicitations issued by DoD, NASA, or the Coast Guard.

(x) 52.219-2, Equal Low Bids. This provision applies to solicitations when contracting by sealed bidding and the contract will be performed in the United States or its outlying areas.

(xi) 52.222-22, Previous Contracts and Compliance Reports. This provision applies to solicitations that include the clause at 52.222-26, Equal Opportunity.

(xii) 52.222-25, Affirmative Action Compliance. This provision applies to solicitations, other than those for construction, when the solicitation includes the clause at 52.222-26, Equal Opportunity.

(xiii) 52.222-38, Compliance with Veterans Employment Reporting Requirements. This provision applies to solicitations when it is anticipated the contract award will exceed the simplified acquisition threshold and the contract is not for acquisition of commercial items.

(xiv) 52.223-1, Biobased Product Certification. This provision applies to solicitations that require the delivery or specify the use of USDAdesignated items; or include the clause at 52.223-2, Affirmative Procurement of Biobased Products Under Service and Construction Contracts.

(xv) 52.223-4, Recovered Material Certification. This provision applies to solicitations that are for, or specify the use of, EPAdesignated items.

(xvi) 52.225-2, Buy American Certificate. This provision applies to solicitations containing the clause at 52.225-1.

(xvii) 52.225-4, Buy American--Free Trade Agreements--Israeli Trade Act Certificate. (Basic, Alternates I, II, and III.) This provision applies to solicitations containing the clause at 52.225-3.

(A) If the acquisition value is less than $25,000, the basic provision applies.

(B) If the acquisition value is $25,000 or more but is less than $50,000, the provision with its Alternate I applies.

(C) If the acquisition value is $50,000 or more but is less than $79,507, the provision with its Alternate II applies.

(D) If the acquisition value is $79,507 or more but is less than $100,000, the provision with its Alternate III applies.

(xviii) 52.225-6, Trade Agreements Certificate. This provision applies to solicitations containing the clause at 52.225-5.

(xix) 52.225-20, Prohibition on Conducting Restricted Business Operations in SudanCertification. This provision applies to all solicitations.

(xx) 52.225-25, Prohibition on Contracting with Entities Engaging in Certain Activities or Transactions Relating to Iran-Representation and Certifications. This provision applies to all solicitations.

(xxi) 52.226-2, Historically Black College or University and Minority Institution Representation. This provision applies to solicitations for research, studies, supplies, or services of the type normally acquired from higher educational institutions.

(2) The following certifications are applicable as indicated by the Contracting Officer:

___ (i) 52.204-17, Ownership or Control of Offeror.

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___ (ii) 52.222-18, Certification Regarding Knowledge of Child Labor for Listed End Products.

___ (iii) 52.222-48, Exemption from Application of the Service Contract Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Certification.

___ (iv) 52.222-52, Exemption from Application of the Service Contract Labor Standards to Contracts for Certain Services--Certification.

___ (v) 52.223-9, with its Alternate I, Estimate of Percentage of Recovered Material Content for EPADesignated Products (Alternate I only).

___ (vi) 52.227-6, Royalty Information.

___ (A) Basic.

___ (B) Alternate I.

___ (vii) 52.227-15, Representation of Limited Rights Data and Restricted Computer Software.

(d) The offeror has completed the annual representations and certifications electronically via the SAM Web site accessed through https://www.acquisition.gov. After reviewing the SAM database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically that apply to this solicitation as indicated in paragraph (c) of this provision have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [offeror to insert changes, identifying change by clause number, title, date]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR Clause #	Title	Date	Change

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications posted on SAM.

(End of provision)

K-10 252.204-7007 ALTERNATE A, ANNUAL REPRESENTATIONS AND CERTIFICATIONS AUG/2014

Substitute the following paragraphs (d) and (e) for paragraph (d) of the provision at FAR 52.204-8:

(d)(1) The following representations or certifications in the System for Award Management (SAM) database are applicable to this solicitation as indicated:

(i) 252.209-7001, Disclosure of Ownership or Control by the Government of a Terrorist Country. Applies to all solicitations expected to result in contracts of $150,000 or more.

(ii) 252.209-7003, Reserve Officer Training Corps and Military Recruiting on CampusRepresentation. Applies to all solicitations with institutions of higher education.

(iii) 252.216-7008, Economic Price AdjustmentWage Rates or Material Prices Controlled by a Foreign Government. Applies to solicitations for fixed-price supply and service contracts when the contract is to be performed wholly or in part in a foreign country, and a foreign government controls wage rates or material prices and may during contract performance impose a mandatory change in wages or prices of materials.

(iv) 252.225-7042, Authorization to Perform. Applies to all solicitations when performance will be wholly or in part in a foreign country.

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(v) 252.225-7049, Prohibition on Acquisition of Commercial Satellite Services from Certain Foreign Entities--Representations. Applies to solicitations for the acquisition of commercial satellite services.

(vi) 252.229-7012, Tax Exemptions (Italy)Representation. Applies to solicitations and contracts when contract performance will be in Italy.

(vii) 252.229-7013, Tax Exemptions (Spain)Representation. Applies to solicitations and contracts when contract performance will be in Spain.

(viii) 252.247-7022, Representation of Extent of Transportation by Sea. Applies to all solicitations except those for direct purchase of ocean transportation services or those with an anticipated value at or below the simplified acquisition threshold.

(2) The following representations or certifications in SAM are applicable to this solicitation as indicated by the Contracting Officer:

___ (i) 252.209-7002, Disclosure of Ownership or Control by a Foreign Government.

___ (ii) 252.225-7000, Buy AmericanBalance of Payments Program Certificate.

___ (iii) 252.225-7020, Trade Agreements Certificate.

___ Use with Alternate I.

___ (iv) 252.225-7031, Secondary Arab Boycott of Israel.

___ (v) 252.225-7035, Buy AmericanFree Trade AgreementsBalance of Payments Program Certificate.

___ Use with Alternate I.

___ Use with Alternate II.

___ Use with Alternate III.

___ Use with Alternate IV.

___ Use with Alternate V.

(e) The offeror has completed the annual representations and certifications electronically via the SAM website at https://www.acquisition.gov/. After reviewing the ORCA database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically that apply to this solicitation as indicated in FAR 52.204-8(c) and paragraph (d) of this provision have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer, and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [offeror to insert changes, identifying change by provision number, title, date]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

FAR/DFARS Provision #	Title	Date	Change

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications located in the SAM database.

(End of provision)

K-11 52.215-4005 (TACOM) MINIMUM ACCEPTANCE PERIOD OCT/1985

(a) ACCEPTANCE PERIOD, as used in this provision, means the number of calendar days available to the Government for awarding a contract from the date specified in this solicitation for receipt of offers.

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(b) The Government requires a minimum acceptance period of 180 calendar days.

(c) In the space provided immediately below, offers may specify a longer acceptance period than the Government's minimum requirement.

The offeror allows the following acceptance period: _____ calendar days.

(d) An offer allowing less than the Government's minimum acceptance period may be rejected.

(End of Provision)

K-12 52.204-5 WOMEN-OWNED BUSINESS (OTHER THAN SMALL BUSINESS) OCT/2014

(a) Definition. Women-owned business concern, as used in this provision, means a concern that is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of its stock is owned by one or more women; and whose management and daily business operations are controlled by one or more women.

(b) Representation. [Complete only if the offeror is a women-owned business concern and has not represented itself as a small business concern in paragraph (c)(1) of FAR 52.219-1, Small Business Program Representation, of this solicitation.] The offeror represents that it [ ] is a women-owned business concern.

(End of Provision)

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K-13 52.207-4 ECONOMIC PURCHASE QUANTITY-SUPPLIES AUG/1987

(a) Offerors are invited to state an opinion on whether the quantity(ies) of supplies on which bids, proposals or quotes are requested in this solicitation is (are) economically advantageous to the Government.

_____
_____
_____
_____

(b) Each offeror who believes that acquisitions in different quantities would be more advantageous is invited to recommend an economic purchase quantity. If different quantities are recommended, a total and a unit price must be quoted for applicable items. An economic purchase quantity is that quantity at which a significant price break occurs. If there are significant price breaks at different quantity points, this information is desired as well.

OFFEROR RECOMMENDATIONS

ITEM	QUANTITY	PRICE QUOTATION	TOTAL

(c) The information requested in this provision is being solicited to avoid acquisitions in disadvantageous quantities and to assist the Government in developing a data base for future acquisitions of these items. However, the Government reserves the right to amend or cancel the solicitation and resolicit with respect to any individual item in the event quotations received and the Governments requirements indicate that different quantities should be acquired.

(End of Provision)

K-14 52.209-7 INFORMATION REGARDING RESPONSIBILITY MATTERS JUL/2013

(a) Definitions. As used in this provision--

Administrative proceeding means a non-judicial process that is adjudicatory in nature in order to make a determination of fault or liability (e.g., Securities and Exchange Commission Administrative Proceedings, Civilian Board of Contract Appeals Proceedings, and Armed Services Board of Contract Appeals Proceedings). This includes administrative proceedings at the Federal and State level but only in connection with performance of a Federal contract or grant. It does not include agency actions such as contract audits, site visits, corrective plans, or inspection of deliverables.

Federal contracts and grants with total value greater than $10,000,000 means--

(1) The total value of all current, active contracts and grants, including all priced options; and

(2) The total value of all current, active orders including all priced options under indefinite-delivery, indefinite-quantity, 8(a), or requirements contracts (including task and delivery and multiple-award Schedules).

Principal means an officer, director, owner, partner, or a person having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a division or business segment; and similar positions).

(b) The offeror [ ] has [ ] does not have current active Federal contracts and grants with total value greater than $10,000,000.

(c) If the offeror checked "has" in paragraph (b) of this provision, the offeror represents, by submission of this offer, that the information it has entered in the Federal Awardee Performance and Integrity Information System (FAPIIS) is current, accurate, and complete as of the date of submission of this offer with regard to the following information:

(1) Whether the offeror, and/or any of its principals, has or has not, within the last five years, in connection with the award to or performance by the offeror of a Federal contract or grant, been the subject of a proceeding, at the Federal or State level that resulted in any of the following dispositions:

(i) In a criminal proceeding, a conviction.

(ii) In a civil proceeding, a finding of fault and liability that results in the payment of a monetary fine, penalty, reimbursement, restitution, or damages of $5,000 or more.

(iii) In an administrative proceeding, a finding of fault and liability that results in--

(A) The payment of a monetary fine or penalty of $5,000 or more; or

(B) The payment of a reimbursement, restitution, or damages in excess of $100,000.

(iv) In a criminal, civil, or administrative proceeding, a disposition of the matter by consent or compromise with an acknowledgment of fault by the Contractor if the proceeding could have led to any of the outcomes specified in paragraphs (c)(1)(i), (c)(1)(ii), or (c)(1)(iii) of this provision.

(2) If the offeror has been involved in the last five years in any of the occurrences listed in (c)(1) of this provision, whether the offeror has provided the requested information with regard to each occurrence.

(d) The offeror shall post the information in paragraphs (c)(1)(i) through (c)(1)(iv) of this provision in FAPIIS as required through maintaining an active registration in the System for Award Management database via https://www.acquisition.gov (see 52.204-7).

Principal means an officer, director, owner, partner, or a person having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a division or business segment; and similar positions).

(End of provision)

K-15 52.225-18 PLACE OF MANUFACTURE SEP/2006

(a) Definitions. As used in this clause

'Manufactured end product' means any end product in Federal Supply Classes (FSC) 1000-9999, except

(1) FSC 5510, Lumber and Related Basic Wood Materials;

(2) Federal Supply Group (FSG) 87, Agricultural Supplies;

(3) FSG 88, Live Animals;

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(4) FSG 89, Food and Related Consumables;

(5) FSC 9410, Crude Grades of Plant Materials;

(6) FSC 9430, Miscellaneous Crude Animal Products, Inedible;

(7) FSC 9440, Miscellaneous Crude Agricultural and Forestry Products;

(8) FSC 9610, Ores;

(9) FSC 9620, Minerals, Natural and Synthetic; and

(10) FSC 9630, Additive Metal Materials.

'Place of manufacture' means the place where an end product is assembled out of components, or otherwise made or processed from raw materials into the finished product that is to be provided to the Government. If a product is disassembled and reassembled, the place of reassembly is not the place of manufacture.

(b) For statistical purposes only, the offeror shall indicate whether the place of manufacture of the end products it expects to provide in response to this solicitation is predominantly

[ ] (1) In the United States (Check this box if the total anticipated price of offered end products manufactured in the United States exceeds the total anticipated price of offered end products manufactured outside the United States); or

[ ] (2) Outside the United States.

(End of provision)

K-16 52.230-1 COST ACCOUNTING STANDARDS NOTICES AND CERTIFICATION MAY/2012

Note: This notice does not apply to small businesses or foreign governments. This notice is in three parts, identified by Roman numerals I through III.

Offerors shall examine each part and provide the requested information in order to determine Cost Accounting Standards (CAS) requirements applicable to any resultant contract.

If the offeror is an educational institution, Part II does not apply unless the contemplated contract will be subject to full or modified CAS coverage pursuant to 48 CFR 9903.201-2(c)(5) or 9903.201-2(c)(6), respectively.

I. Disclosure StatementCost Accounting Practices and Certification

(a) Any contract in excess of $700,000 resulting from this solicitation will be subject to the requirements of the Cost Accounting Standards Board (48 CFR Chapter 99), except for those contracts which are exempt as specified in 48 CFR 9903.201-1.

(b) Any offeror submitting a proposal which, if accepted, will result in a contract subject to the requirements of 48 CFR Chapter 99 must, as a condition of contracting, submit a Disclosure Statement as required by 48 CFR 9903.202. When required, the Disclosure Statement must be submitted as a part of the offerors proposal under this solicitation unless the offeror has already submitted a Disclosure Statement disclosing the practices used in connection with the pricing of this proposal. If an applicable Disclosure Statement has already been submitted, the offeror may satisfy the requirement for submission by providing the information requested in paragraph (c) of Part I of this provision.

Caution: In the absence of specific regulations or agreement, a practice disclosed in a Disclosure Statement shall not, by virtue of such disclosure, be deemed to be a proper, approved, or agreed-to practice for pricing proposals or accumulating and reporting contract performance cost data.

(c) Check the appropriate box below:

[ ] (1) Certificate of Concurrent Submission of Disclosure Statement. The offeror hereby certifies that, as a part of the offer, copies of the Disclosure Statement have been submitted as follows:

(i) Original and one copy to the cognizant Administrative Contracting Officer (ACO) or cognizant Federal agency official authorized to act in that capacity (Federal official), as applicable; and

(ii) One copy to the cognizant Federal auditor.

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(Disclosure must be on Form No. CASB DS-1 or CASB DS-2, as applicable. Forms may be obtained from the cognizant ACO or Federal official and/or from the loose-leaf version of the Federal Acquisition Regulation.)

Date of Disclosure Statement: _____
Name and Address of Cognizant ACO or Federal Official Where Filed:
_____

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the Disclosure Statement.

[ ] (2) Certificate of Previously Submitted Disclosure Statement. The offeror hereby certifies that the required Disclosure Statement was filed as follows:

Date of Disclosure Statement: _____
Name and Address of Cognizant ACO or Federal Official Where Filed:
_____

The offeror further certifies that the practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the applicable Disclosure Statement.

[ ] (3) Certificate of Monetary Exemption. The offeror hereby certifies that the offeror, together with all divisions, subsidiaries, and affiliates under common control, did not receive net awards of negotiated prime contracts and subcontracts subject to CAS totaling $50 million or more in the cost accounting period immediately preceding the period in which this proposal was submitted. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

[ ] (4) Certificate of Interim Exemption. The offeror hereby certifies that

(i) the offeror first exceeded the monetary exemption for disclosure, as defined in (3) of this subsection, in the cost accounting period immediately preceding the period in which this offer was submitted and

(ii) in accordance with 48 CFR 9903.202-1, the offeror is not yet required to submit a Disclosure Statement. The offeror further certifies that if an award resulting from this proposal has not been made within 90 days after the end of that period, the offeror will immediately submit a revised certificate to the Contracting Officer, in the form specified under paragraph (c)(1) or (c)(2) of Part I of this provision, as appropriate, to verify submission of a completed Disclosure Statement.

Caution: Offerors currently required to disclose because they were awarded a CAS-covered prime contract or subcontract of $50 million or more in the current cost accounting period may not claim this exemption (4). Further, the exemption applies only in connection with proposals submitted before expiration of the 90-day period following the cost accounting period in which the monetary exemption was exceeded.

II. Cost Accounting StandardsEligibility for Modified Contract Coverage

If the offeror is eligible to use the modified provisions of 48 CFR 9903.201-2(b) and elects to do so, the offeror shall indicate by checking the box below. Checking the box below shall mean that the resultant contract is subject to the Disclosure and Consistency of Cost Accounting Practices clause in lieu of the Cost Accounting Standards clause.

[ ] The offeror hereby claims an exemption from the Cost Accounting Standards clause under the provisions of 48 CFR 9903.201-2(b) and certifies that the offeror is eligible for use of the Disclosure and Consistency of Cost Accounting Practices clause because during the cost accounting period immediately preceding the period in which this proposal was submitted, the offeror received less than $50 million in awards of CAS-covered prime contracts and subcontracts. The offeror further certifies that if such status changes before an award resulting from this proposal, the offeror will advise the Contracting Officer immediately.

Caution: An offeror may not claim the above eligibility for modified contract coverage if this proposal is expected to result in the award of a CAS-covered contract of $50 million or more or if, during its current cost accounting period, the offeror has been awarded a single CAS-covered prime contract or subcontract of $50 million or more.

III. Additional Cost Accounting Standards Applicable to Existing Contracts

The offeror shall indicate below whether award of the contemplated contract would, in accordance with paragraph (a)(3) of the Cost Accounting Standards clause, require a change in established cost accounting practices affecting existing contracts and subcontracts.

[ ] Yes [ ] No

DRAFT

(End of provision)

K-17 52.230-7 PROPOSAL DISCLOSURE--COST ACCOUNTING PRACTICE CHANGES APR/2005

The offeror shall check yes below if the contract award will result in a required or unilateral change in cost accounting practice, including unilateral changes requested to be desirable changes.

[ ] Yes [ ] No

If the offeror checked Yes above, the offeror shall--

(1) Prepare the price proposal in response to the solicitation using the changed practice for the period of performance for which the practice will be used; and

(2) Submit a description of the changed cost accounting practice to the Contracting Officer and the Cognizant Federal Agency Official as pricing support for the proposal.

(End of Provision)

K-18 52.247-53 FREIGHT CLASSIFICATION DESCRIPTION APR/1984

Offerors are requested to indicate below the full Uniform Freight Classification (rail) description, or the National Motor Freight Classification description applicable to the supplies, the same as offeror uses for commercial shipment. This description should include the packing of the commodity (box, crate, bundle, loose, setup, knocked down, compressed, unwrapped, etc.), the container material (fiberboard, wooden, etc.), unusual shipping dimensions, and other conditions affecting traffic descriptions. The Government will use these descriptions as well as other information available to determine the classification description most appropriate and advantageous to the Government. Offeror understands that shipments on any f.o.b. origin contract awarded, as a result of this solicitation, will be made in conformity with the shipping classification description specified by the Government, which may be different from the classification description furnished below.

For Freight Classification Purposes, Offeror Describes This Commodity as _____.

(End of Provision)

K-19 252.209-7994 (DEV 2014-O0004) REPRESENTATION BY CORPORATIONS REGARDING AN UNPAID DELINQUENT TAX LIABILITY OR A FELONY CONVICTION UNDER ANY FEDERAL LAW--FISCAL YEAR 2014 APPROPRIATIONS (DEV 2014-O0004) OCT/2013

(a) In accordance with section 101(a) of Division A of the Continuing Appropriations Act, 2014 (Pub. L. 113-46), none of the funds made available by that Act for DoD (including Military Construction funds) may be used to enter into a contract with any corporation that--

(1) Has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability, where the awarding agency is aware of the unpaid tax liability, unless the agency has considered suspension or debarment of the corporation and made a determination that this further action is not necessary to protect the interests of the Government; or

(2) Was convicted of a felony criminal violation under any Federal law within the preceding 24 months, where the awarding agency is aware of the conviction, unless the agency has considered suspension or debarment of the corporation and made a determination that this action is not necessary to protect the interests of the Government.

(b) The Offeror represents that--

(1) It is [ ] is not [ ] a corporation that has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability,

(2) It is [ ] is not [ ] a corporation that was convicted of a felony criminal violation under a Federal law within the preceding 24 months.

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(End of provision)

K-20	252.209-7999 (DEV 2012-O0004)	REPRESENTATION BY CORPORATIONS REGARDING AN UNPAID DELINQUENT TAX LIABILITY OR A FELONY CONVICTION UNDER ANY FEDERAL LAW (DEVIATION 2012-O0004)	JAN/2012

(a) In accordance with sections 8124 and 8125 of Division A of the Consolidated Appropriations Act, 2012, (Pub. L. 112-74) none of the funds made available by that Act may be used to enter into a contract with any corporation that--

(1) Has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability, where the awarding agency is aware of the unpaid tax liability, unless the agency has considered suspension or debarment of the corporation and made a determination that this further action is not necessary to protect the interests of the Government.

(2) Was convicted of a felony criminal violation under any Federal law within the preceding 24 months, where the awarding agency is aware of the conviction, unless the agency has considered suspension or debarment of the corporation and made a determination that this action is not necessary to protect the interests of the Government.

(b) The Offeror represents that--

(1) It is [ ] is not [ ] a corporation that has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability,

(2) It is [ ] is not [ ] a corporation that was convicted of a felony criminal violation under a Federal law within the preceding 24 months.

(End of provision)

K-21	252.225-7020	TRADE AGREEMENTS CERTIFICATE--BASIC	NOV/2014

(a) Definitions. Designated country end product, nondesignated country end product, qualifying country end product, and U.S.-made end product as used in this provision have the meanings given in the Trade Agreements--Basic clause of this solicitation.

(b) Evaluation. The Government

(1) Will evaluate offers in accordance with the policies and procedures of Part 225 of the Defense Federal Acquisition Regulation Supplement; and

(2) Will consider only offers of end products that are U.S.-made, qualifying country, or designated country end products unless

(i) There are no offers of such end products;

(ii) The offers of such end products are insufficient to fulfill the Governments requirements; or

(iii) A national interest waiver has been granted.

(c) Certification and identification of country of origin.

(1) For all line items subject to the Trade Agreements--Basic clause of this solicitation, the offeror certifies that each end product to be delivered under this contract, except those listed in paragraph (c)(2) of this provision, is a U.S.-made, qualifying country, or designated country end product.

(2) The following supplies are other nondesignated country end products:

(Line Item Number)	(Country of Origin)
_____	_____
_____	_____

(End of provision)

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K-22 52.215-4010 (TACOM) AUTHORIZED NEGOTIATORS MAR/2013

Please identify, below, the representatives that are authorized to negotiate on your organization's behalf with the Government in connection with this request for proposals or request for information:

PERSONS AUTHORIZED TO NEGOTIATE

NAME: _____
TITLE: _____
TELEPHONE NUMBER: _____
EMAIL ADDRESS: _____

NAME: _____
TITLE: _____
TELEPHONE NUMBER: _____
EMAIL ADDRESS: _____

_____ _____ _____

_____ _____ _____

[End of Provision]

K-23 52.223-4002 (TACOM) USE OF CLASS I OZONE-DEPLETING SUBSTANCES OCT/2008

(a) Definitions.

(1) Class I and Class II Ozone-Depleting Substances (ODS) refers to the class of substances identified in Section 602(a) of the Clean Air Act, (42 U.S.C. 7671a(a)), complete list provided at: http://www.epa.gov/ozone/science/ods/index.html.

(2) Directly requires the use of Class I and Class II ODS means that the Government's specification or technical data package, at any tier, explicitly requires the use of any Class I ODS in performance of the contract.

(3) Indirectly requires the use of Class I or Class II ODS means that the Government's specification or technical data package, while not explicitly requiring the use of any Class I or Class II ODS, does require a feature that you can meet or produce only by the use of Class I or Class II ODS.

(b) Per Section 326 of Public Law 102-484, the Army cannot award any contract that directly or indirectly requires the use of Class I ODS without the approval of the Senior Acquisition Official, per current Army Policy the approval authority is the Army Acquisition Executive. Thus, no Class I ODS shall be used in meeting the requirements of this contract. If the use of Class I ODS is required in the performance of this contract, please notify the Contracting Officer immediately in writing.

(c) No Class II ODS shall be required in the performance of this contract without government approval. If the use of Class II ODS is required in the performance of this contract, please notify the Contracting Officer immediately in writing.

[End of Provision]

K-24 52.225-4003 (TACOM) IDENTIFICATION OF SUPPLY CONTRACT/SUBCONTRACT(S) WITH A UNITED KINGDOM (UK) FIRM IN EXCESS OF $1 MILLION MAR/1990

(a) The offeror shall indicate, by check mark, if one or more of the statements at (i) or (ii) below applies to this supply solicitation/contract. (Statement (ii) below must be reviewed and, if applicable, checked by all offerors, whether they themselves are or are not located in the United Kingdom (U.K.)

(i) [ ] I AM a U.K. firm contracting in excess of $1 million and the estimated total of levies contained in

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the offered price is: $_____.

(ii) [ ] I expect to award one or more subcontract(s) totaling over $1 million to a U.K. vendor.

(b) The offeror shall identify each U.K. subcontractor applicable to the statement at (ii) above in the space provided below.

Name	Address	Est. Value Of Subcontract	Est. Total of Levies Incl. In Price
_____	_____	_____	_____
_____	_____	_____	_____

(c) The Government intends to secure a waiver of all levies contained within the proposed price of supply contracts and subcontract(s) with U.K. firms. In the event such levies are waived, the Government and Contractor will execute a modification to this contract to reflect the dollar reduction as a result of the waiver.

(d) It is understood and agreed that the offeror's failure to complete the above certification shall constitute a representation that the offeror (i) is not a U.K. contractor,and (ii) will not execute any subcontracts valued over $1 million with U.K. subcontractors.

[End of Provision]

K-25 52.245-4004 CERTIFICATION OF GOVERNMENT-OWNED PROPERTY FOR POSSIBLE USE AND EVALUATION FACTOR FOR USE OF THE GOVERNMENT-OWNED PROPERTY JAN/1991

ALL OFFERORS ARE REQUESTED TO COMPLETE THE FOLLOWING REPRESENTATION:

The offeror certifies that there [ ] is
[ ] is not

Government-owned property in its plant(s), or in the plant(s) of any of its prospective subcontractors, which, assuming authorization for its use,

[ ] will
[ ] will not
[ ] may or may not (not finally determined as of the date of this offer)

be used in the performance of the contract resulting from this solicitation.

NOTE: Offerors checking is AND will or may or may not above must notify the Government representative listed in Block 7 of the SF 33 at least ten days before the date when offers are due under the solicitation, so that the solicitation can be amended to include the appropriate Government property clause(s). If no such notification is given, authorization for the use of such property in this contract may be denied.

OFFERORS CHECKING "IS" AND "WILL" ABOVE SHALL ALSO COMPLETE THE FOLLOWING:

(a) Under each line for entries in the Unit Price and the Amount columns in the Schedule (see Section B of this solicitation), offeror shall add the following evaluation factor line and insert the appropriate unit and total price figures if the conditions of subparagraph c. below are met:

Evaluation factor: $_____ $_____

(b) Computation of the evaluation factor is explained in the provision in Section M entitled EVALUATION OF USE OF EXISTING GOVERNMENT-OWNED PROPERTY.

(c) An evaluation factor entry is to be made only if:

(1) The offeror or any subcontractor, at any tier, will use Government-owned property in production for this contract; and

(2) The offer is predicated on authorized rent-free use of Government-owned property.

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(d) An offeror's insertion or non-insertion of an evaluation factor constitutes, respectively, the offeror's certification that his offer is or is not so predicated. The evaluation factor will be added to the offered price for evaluation purposes. See additional provisions concerning Government-owned property in Sections L and M herein.

(e) CAUTION: Rental charges for the use of Government-owned property may accrue, if timely and appropriate approval of rent-free use is not obtained.

K.1 Assertion of Restrictions

The Offeror shall include the following in its proposal submission: an identification of all Non-Commercial Technical Data, Non-Commercial Computer Software and Software Documentation, Commercial Technical Data, and Commercial Computer Software and Software Documentation on its Assertion of Restrictions listing required under DFARS 252.227-7017. In accordance with Attachment 0088 (Assertions of Restrictions), the Assertion of Restrictions listing is to include Commercial Technical Data and Commercial Software and Software Documentation proposed to come to the government with less than Unlimited Rights. The failure to list restrictions applicable to Commercial Technical Data and Commercial Software and Software Documentation, Non-Commercial technical data and non-commercial computer software and software documentation from the 252.227-7017 Assertion of Restrictions listing will bar the Offeror from making such a restriction upon delivery of the data, software or software documentation, unless an allowable post-award Assertion of Restrictions is submitted per the conditions provided in subsection (e) of either DFARS Provision 252.227-7013 or 252.227-7014.

K.1.1 Assertion of Restrictions for Data Deliverables

The contractor shall identify all data deliverables that will be provided to the Government with other than unlimited data rights by asserting restrictions (including flow down to subcontractors and suppliers) in the rights the Government will get. The contractor shall justify those assertions in the Assertions List, IAW Attachment 0088 (Assertions of Restrictions) and submit as part of their proposal.

K.1.2 Assertion of Restrictions on Technical Data Pertaining to a Commercial Item and Commercial Computer Software

a. Definitions. Unless otherwise specified in this provision, the terms used in this provision are defined in the FAR/DFARS, as applicable.

b. Identification and Assertion of Restrictions. Offerors proposing commercial computer software rights for either base contract requirements or TDP option requirements shall provide associated license agreements with their proposals. The Offeror shall not deliver or otherwise provide to the Government any commercial technical data or commercial computer software with restrictive markings (or otherwise subject to restrictions on access, use, modification, reproduction, release, performance, display, or disclosure) unless the commercial technical data or commercial computer software are identified in Attachment 0088 (Assertions of Restrictions), in accordance with the following requirements:

c. Pre-Award Identification and Assertion. The Offeror (including its subcontractors or suppliers, or potential subcontractors or suppliers, at any tier) shall identify all commercial technical data and commercial computer software that it proposes will be delivered or otherwise provided with less than Unlimited Rights as follows:

1. The Offeror shall also identify and assert any restrictions for all commercial computer software including Open Source Software, and commercial technical data using the format provided in Attachment 0088.

2. An Offeror's failure to submit, complete, or sign the identification and assertions required by this provision with its offer may render the offer ineligible for award.

3. If the Offeror is awarded a contract, the assertions identified in this provision, and t his provision, shall be listed in an Attachment to that Contract.

d. Copies of Commercial Licenses. The Offeror shall provide copies of all commercial license(s) under which the Offeror proposes to deliver commercial technical data or commercial computer software. The Government will review the licenses to ensure that the licenses terms are consistent with federal procurement and meet the Governments end user needs. All such commercial licenses will be made part of an Attachment to the Contract at award. If the Offeror intends to deliver commercial technical data under the terms of DFARS 252.227-7015, Technical Data-Commercial Items instead of its own commercial license, the Offeror shall include DFARS 252.227-7015 in the Commer Tech Data or Comp Softw tab of Attachment 0088 (Assertions of Restrictions).

e. Use of Open Source Software Without Delivery. The Government treats Open Source Software (OSS) as a category of commercial computer software. If the Offeror proposes to deliver OSS while performing under the Contract, the Contractor shall follow the same rules as prescribed in this provision as for commercial computer software. Additionally, if the Offeror proposes to use, but not deliver, commercial computer software (including OSS), the Contractor must ensure that such use does not: (i) create, or purport to create, any Government distribution obligations with respect to the computer software deliverables; or (ii) grant, or purport to grant, to any third party any rights to or immunities under Government intellectual property or Government data rights to the Government computer software

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deliverables.

*** END OF NARRATIVE K0001 ***

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SECTION L - INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS

	Regulatory Cite	Title	Date
L-1	52.214-34	SUBMISSION OF OFFERS IN THE ENGLISH LANGUAGE	APR/1991
L-2	52.214-35	SUBMISSIONS OF OFFERS IN U.S. CURRENCY	APR/1991
L-3	52.215-1	INSTRUCTIONS TO OFFERORS--COMPETITVE (JAN 2004) -- ALTERNATE I (OCT 1997)	OCT/1997
L-4	52.215-16	FACILITIES CAPITAL COST OF MONEY	JUN/2003
L-5	52.215-22	LIMITATIONS ON PASS-THROUGH CHARGES -- IDENTIFICATION OF SUBCONTRACT EFFORT	OCT/2009
L-6	52.222-24	PREAWARD ON-SITE EQUAL OPPORTUNITY COMPLIANCE EVALUATION	FEB/1999
L-7	52.232-13	NOTICE OF PROGRESS PAYMENTS	APR/1984
L-8	52.237-1	SITE VISIT	APR/1984
L-9	52.237-10	IDENTIFICATION OF UNCOMPENSATED OVERTIME	OCT/1997
L-10	52.247-46	SHIPPING POINT(S) USED IN EVALUATION OF F.O.B. ORIGIN OFFERS	APR/1984
L-11	252.209-7008	NOTICE OF PROHIBITION RELATING TO ORGANIZATIONAL CONFLICT OF INTEREST -- MAJOR DEFENSE ACQUISITION PROGRAM	DEC/2010
L-12	252.225-7003	REPORT OF INTENDED PERFORMANCE OUTSIDE THE UNITED STATES AND CANADA--SUBMISSION WITH OFFER	OCT/2010
L-13	252.234-7001	NOTICE OF EARNED VALUE MANAGEMENT SYSTEM	APR/2008
L-14	252.234-7003	NOTICE OF COST AND SOFTWARE DATA REPORTING SYSTEM--BASIC	NOV/2014
L-15	252.239-7017	NOTICE OF SUPPLY CHAIN RISK	NOV/2013
L-16	52.211-14	NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE, EMERGENCY PREPAREDNESS, AND ENERGY PROGRAM USE	APR/2008

Any contract awarded as a result of this solicitation will be [ ] DX rated order; [X] DO rated order; certified for national defense, emergency preparedness, and energy program use under the Defense Priorities and Allocations System (DPAS) (15 CFR 700), and the Contractor will be required to follow all of the requirements of this regulation.

(End of Provision)

L-17	52.215-20	REQUIREMENTS FOR CERTIFIED COST OR PRICING DATA AND DATA OTHER THAN CERTIFIED COST OR PRICING DATA (OCT 2010) -- ALTERNATE IV (OCT 2010)	OCT/2010

(a) Submission of certified cost or pricing data is not required.

(b) The contracting officer reserves the right to require the offeror to submit the information described in (1) below to determine reasonableness of the offered price(s). If that information is inapplicable or inadequate for determining price reasonableness, the contracting officer reserves the right to require the offeror to submit the information described in (2) below.

(1) The offeror shall, at a minimum, submit information on prices at which the same item or similar items have previously been sold in the commercial market that is adequate for evaluating the reasonableness of the price for this acquisition. Such information may include --

(a) For catalog items, a copy of or identification of the catalog and its date, or the appropriate pages for the offered items, or a statement that the catalog is on file in the buying office to which the proposal is being submitted. Provide a copy of, or describe, current discount policies and price lists (published or unpublished), e.g., wholesale, original equipment manufacturer, or reseller. Also explain the basis of each offered price and its relationship to the established catalog price, including how the proposed price relates to the price of recent sales in quantities similar to the proposed quantities;

(b) For catalog, price list or other items, evidence of prices charged customers in the commercial market, under similar circumstances. This may include copies of contracts (or invoices) with commercial customers to document the prices charged.

(2) If the contracting officer determines the submitted information to be inadequate, the offeror shall submit a breakdown of the elements of cost (material, labor, overheads, other direct costs, packaging, G&A, profit or fee, etc.) used in the development of (or to support) the proposed price. For each of these elements of cost, the contracting officer reserves the right to require the offeror to also provide enough supporting detail or rationale to enable the contracting officer to evaluate the reasonableness of the cost element(s) (FAR 15.403-1(c)(3)(ii)(c)).

(End of clause)

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L-18 52.216-1 TYPE OF CONTRACT APR/1984

The Government contemplates award of a Firm Fixed Price (FFP) and Cost Plus Fixed Fee contract resulting from this solicitation. A FFP with Economic Price Adjustment will be utilized for vehicles ordered in option periods six, seven, and eight. In the event the contract is modified to incorporate multi-year pricing all Economic Price Adjustment provisions will be removed from the contract.

(End of Provision)

L-19 52.233-2 SERVICE OF PROTEST SEP/2006

(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the Government Accountability Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from TACOM LCMC, ATTN: CCTA (Army Contracting Command Warren - Protest Coordinator, Mail Stop 315, 6501 E. 11 Mile Rd., Warren, MI 48397-5000).

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

(End of Provision)

L-20 52.211-1 AVAILABILITY OF SPECIFICATIONS LISTED IN THE GSA INDEX OF FEDERAL SPECIFICATIONS, STANDARDS AND COMMERCIAL ITEM DESCRIPTIONS, FPMR PART 101-29 AUG/1998

(a) The GSA Index of Federal Specifications, Standards and Commercial Item Descriptions, FPMR Part 101-29, and copies of specifications, standards, and commercial item descriptions cited in this solicitation may be obtained for a fee by submitting a request to--

GSA Federal Supply Service
Specifications Section, Suite 8100
470 East LEnfant Plaza SW
Washington, DC 20407

Telephone (202) 619-8925

Facsimile (202) 619-8978.

(b) If the General Services Administration, Department of Agriculture, or Department of Veterans Affairs issued this solicitation, a single copy of specifications, standards, and commercial item descriptions cited in this solicitation may be obtained free of charge by submitting a request to the addressee in paragraph (a) of this provision. Additional copies will be issued for a fee.

(End of Provision)

L-21 52.211-2 AVAILABILITY OF SPECIFICATIONS, STANDARDS, AND DATA ITEM DESCRIPTIONS LISTED IN THE ACQUISITION STREAMLINING AND STANDARDIZATION INFORMATION SYSTEM (ASSIST) MAY/2014

(a) Most unclassified Defense specifications and standards may be downloaded from the following ASSIST websites:

(1) ASSIST https://assist.dla.mil/online/start/

(2) Quick Search http://quicksearch.dla.mil/

(3) ASSISTdocs.com (http://assistdocs.com).

(b) Documents not available from ASSIST may be ordered from the Department of Defense Single Stock Point (DoDSSP) by

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(1) Using the ASSIST Shopping Wizard https://assist.dla.mil/wizard/index.cfm

(2) Phoning the DoDSSP Customer Service Desk (215) 697-2197, Mon-Fri, 0730 to 1600 EST; or

(3) Ordering from DoDSSP, Building 4, Section D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Telephone (215) 697-2667/2179, Facsimile (215) 697-1462.

(End of Provision)

L-22 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE FEB/1998

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

http://www.arnet.gov/far/ or http://www.acq.osd.mil/dpap/dars/index.htm or http://farsite.hill.af.mil/VFAFARa.HTM

L-23 52.252-5 AUTHORIZED DEVIATIONS IN PROVISIONS APR/1984

(a) The use in this solicitation of any Federal Acquisition Regulation (48 CFR Chapter 1) provision with an authorized deviation is indicated by the addition of (DEVIATION) after the date of the provision.

(b) The use in this solicitation of any DoD FAR SUPPLEMENT (48 CFR Chapter 2) provision with an authorized deviation is indicated by the addition of (DEVIATION) after the name of the regulation.

(End of clause)

L-24 52.211-4047 (TACOM) NOTICE TO OFFERORS INTENDING TO OFFER OTHER THAN NEW MATERIAL (NEGOTIATED) DEC/2004

(a) We intend to acquire only new material. Unless this contract otherwise requires virgin material or supplies composed of, or manufactured from, virgin material, the contractor shall provide supplies that are new, as defined in this clause.

(b) Definitions:

(1) "New" means composed of previously unused components, whether manufactured from virgin material, recovered material in the form of raw material, or materials and by-products generated from, and reused within, an original manufacturing process; provided that the supplies meet contract requirements, including but not limited to, performance, reliability, and life expectancy.

(2) "Reconditioned" means restored to the original normal operating condition by readjustments and material replacement.

(3) "Recovered material" means waste materials and by-products that have been recovered or diverted from solid waste including post-consumer material, but such term does not include those materials and by-products generated from, and commonly reused within, an original manufacturing process.

(4) "Remanufactured" means factory rebuilt to original specifications.

(5) "Virgin material" means previously unused raw material,including previously unused copper, aluminum, lead, zinc, iron, other metal or metal ore, or any undeveloped resource that is, or with new technology will become, a source of raw materials

(6) "Residual Inventory" means inventory from a transferred or terminated Government or commercial contract.

(c) Used, reconditioned, remanufactured supplies, unused former Government surplus property, or residual inventory shall not be used unless the contractor has proposed the use of such supplies, and the Contracting Officer has authorized their use.

(d) Offers to provide other than new material shall be submitted to the Contracting Officer for approval:

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(1) Offerors of other than new material must provide sufficient information from which a determination of acceptability can be made. Contractors who intend to offer other than new material are to fill out the Other Than New Material Worksheet at: http://contracting.tacom.army.mil/acqinfo/OT_NEW_MATERIAL.htm . Form must be completely filled out and is to accompany your offer.

(e) If the use of used, reconditioned, remanufactured items, unused former Government surplus property, or residual inventory are approved by the Contracting Officer, we may require you to meet specific marking, inspection, and testing requirements beyond those found in this solicitation. We will negotiate these additional requirements with you before award and put them in any resulting contract.

[End of Provision]

L-25 52.211-4054 PACKING/PACKAGING LEVEL FOR OPTION QUANTITIES MAR/1989
(TACOM)

For purposes of computing a price for the option quantity specified in Section B of this solicitation and unless otherwise indicated in Section B, it is understood and agreed that the option unit price includes the same level(s) of packing/packaging as those that apply to the basic contract quantity.

L-26 52.215-4400 ARMY INFORMATION SYSTEMS (IS) SECURITY REQUIREMENT MAR/2013

CONTRACTOR INVESTIGATION/CLEARANCE. Reference AR25-2, AR 380-67, DoD 5200.2-R and Final Credentialing Standards for Issuing Personal Identity Verification Cards under HSPD-12 (31 Jul 2008). All contractors and consultants that access government owned or operated automated information systems, networks, or databases and to safeguard controlled unclassified information shall have a favorable background investigation as required above references positions designated as IT-I, IT-II or IT-III to perform functions stipulated in contract scope of work. The minimum investigative requirements are as follows: IT-I (Privileged Access) = Single Scope Background Investigation (SSBI); IT-II (Limited Privileged Access) = National Agency Check with Law and Credit Check (NACLC); IT-III (Non-Privileged Access) = National Agency Check with Inquiries (NACI). An investigation in-process is acceptable if the 7th Signal Command Designated Approval Authority (DAA) has granted an IT Waiver. Investigations will be coordinated with the G2, TACOM LCMC (AMSTA-CSS / 586-282-6262) and investigations will be through the Personnel Security Investigations Portal Center of Excellence (PSIP COE). Non-U.S. citizens shall be Permanent Resident Aliens with requisite investigation. All personnel shall receive and certify to an Information Systems Security Briefing.

(End of Provision)

L-27 52.215-4404 DATA AND COMMUNICATIONS SUBMITTED TO THE GOVERNMENT ELECTRONICALLY MAY/2002

(a) The Government often employs contractors as system administrators to operate and maintain Government computer systems. These systems include local area networks, web sites, databases, other electronic records, e-mail accounts, other electronic data transfer mechanisms and computer software. The employees of these contracted system administrators sign nondisclosure agreements obligating them not to reveal information contained in files, documents, computers or systems that they administer. However, unless such information is protected in some way, contracted system administrators do have the ability to access such information. For further information on security issues, see http://contracting.tacom.army.mil/acqinfo/ebidnotice.htm

(b) Potential contractors as well as any other parties are thus advised to take steps needed to prevent access by contracted system administrators to information submitted electronically to the Government. Absent such steps, it is assumed that contracted system administrators are permitted the capability to access the data. The access will be limited to that which is necessary for the contract system administrator to perform its duties for the Government. The access shall be subject to the condition that third party information is not to be revealed by the contracted system administrator.

[End of Provision]

L-28 52.215-4405 ACCESS TO THE DETROIT ARSENAL; IDENTIFYING CONTRACTOR EMPLOYEES; NON-DISCLOSURE STATEMENT APR/2013

a) APPLICABILITY. This requirement is only applicable to contractor employees working at, or visiting, Detroit Arsenal. The term contractor employee includes employees, agents, or representatives and all employees, agents, or representatives and all employees, agents or representatives of all subcontractors, suppliers and consultants.

b) DETROIT ARSENAL ACCESS.

1) All contractor personnel entering the installation and requiring unescorted access must have a valid purpose

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to enter and be sponsored by a U.S. government organization or a contractor providing support on the installation. They must have their identity proofed and vetted through the National Crime Information Center (NCIC) database, and be issued, or in possession of an authorized and valid access credential from the Detroit Arsenal installation.

2) At the discretion of the Senior Commander, U.S. Army Garrison Detroit Arsenal, any individual known to have a criminal background involving violence or meets the disqualifying standards in the Final Credentialing Standards for Issuing Personal Identity Verification Cards under HSPD-12 (31 Jul 2008), may be denied access to the Detroit Arsenal. Fingerprinting of employees and any other security procedures deemed necessary for the security of Detroit Arsenal (vehicle searches or x-raying packages, bags, briefcases) may be required based on the Force Protection Condition level at the time of access and whether the installation or building location is identified as a Restricted Area or Mission Essential Vulnerable Area (MEVA).

c) BADGES.

1) Badges/Passes. Contractor employees entering the Detroit Arsenal are responsible for obtaining, and then returning, security identification badges/passes and vehicle registration decals/passes. Badges are valid only for the date spans indicated, by the government, on each badge application form (STA Form 17).

2) Obtaining Badges. Government sponsor must prepare and submit a properly completed STA Form 17 (Visitor Notification and/or Temporary Security Identification Badge Application) to the Detroit Arsenal Visitor Control Center not less than 96 hours prior to scheduled visit.

3) Returning Badges. The government sponsor is responsible to ensure the security identification badges are returned to the Visitor Control Center, Bldg 232, upon expiration or termination of the contract relationship with the contract employee. Failure to comply with the requirements in this paragraph may be grounds for withholding any funds due the contractor until completion of the requirement, notwithstanding any other clause or requirements in the contract. Failure to comply may also be taken into account by the government in evaluating the contractors past performance on future acquisitions.

4) Badge Guidance.

a) All contractor employees, while on the premises at the Detroit Arsenal, shall continually wear the badge, which shall be visible at all times between the neck and waist of the individual. Badges will be secured from public view when off post and will not be left in privately owned or contractor vehicles unattended. Stolen or lost badges will be promptly reported to DES, USAG Detroit.

b) The identification badge or pass issued to contractor employee(s) is for their own use only. Misuse of badge or pass, such as permitting others to use it can result in criminal charges under Title 18 USC 499 and 701, and barring the employee from the Detroit Arsenal property.

c) If the contractor obtains a new or follow-on contract that again requires physical access to the Detroit Arsenal property, he shall obtain new badges for his employees, indicating the new or follow-on contract number. The security policies described in this clause apply to any contractor employee on base in connection with any contract with TACOM-Warren.

d) MEETING ATTENDANCE. Any contractor employee attending meetings with Government employees within or outside the Detroit Arsenal boundaries, shall, at the beginning of the meeting, announce that he/she is a contractor employee. He/she must state the Contractor's name and address, and state the name of all other companies or persons that (a) currently employ him, or (b) that he currently represents. In addition, for the duration of the meetings, the contractor employee shall wear a second visible badge that displays the contractor's company name.

e) CLASSIFIED ACCESS. If a visiting contractor is working on a classified contract, his/her visit request, with security clearance information, must be sent to the G2, TACOM LCMC (SMO Code W4GGAA, AMSTA-CSS, Office Phone 586-282-6262, Fax 586-282-6362) and their sponsoring activity. Government employees hosting meetings will verify contractor employees security clearance information with their supporting Security Coordinator or G2, TACOM LCMC using JPAS or the TACOM LCMC Access Roster prior to providing contractor access to classified information based on the approved DD254.

f) REGULATORY COMPLIANCE. All contractor employees working on the U.S. Army installation, Detroit Arsenal, in the State of Michigan, in connection with this contract, shall conform to all applicable federal or state laws, and published rules and regulations of the Departments of Defense and Army. Also, they must comply with any existing applicable regulations promulgated by Detroit Arsenal, TACOM LCMC, or the Senior Commander. Additionally, all contractor employees working on classified contracts shall comply with the requirements of the National Industrial Security Program (NISPOM) and Army Regulation 380-5, Department of the Army Information Security Program and their approved DD254.

g) NON-DISCLOSURE AGREEMENT. Each contractor employee working at the Detroit Arsenal property under this contract shall sign a Non-disclosure Agreement on their company's letterhead prior to commencing work under the contract or obtaining the badges permitting access to the property. There will be one Non-disclosure Agreement for each employee. The Non-disclosure Agreement shall be in the format indicated below. A copy of the agreement will be made a part of the contract file.

FORMAT FOR
NON-DISCLOSURE AGREEMENT

I, _____, an employee of _____, a Contractor providing support services/supplies to Detroit Arsenal, TACOM LCMC, or other tenant organizations (hereinafter Detroit Arsenal), and likely to have access to nonpublic information (hereinafter RECIPIENT), under contract number _____, agree to and promise the following:

WHEREAS RECEIPIENT is engaged in delivery support services to Detroit Arsenal under contract; and

WHEREAS, It is the intention of Detroit Arsenal to protect and prevent unauthorized access to and disclosure of

DRAFT

nonpublic information to anyone other than employees of the United States Government who have a need to know; and, WHEREAS, Detroit Arsenal acknowledges that RECIPIENT will from time to time have or require access to such nonpublic information in the course of delivering the contract services; and,

WHEREAS, RECIPIENT may be given or other have access to nonpublic information while providing such services; and,

WHEREAS, "nonpublic information" includes, but is not limited to such information as:

Proprietary information (e.g., information submitted by a contractor marked as proprietary. However please note: THIS NON-DISCLOSURE STATEMENT IS NOT SUFFICIENT TO ALLOW CONTRACTORS ACCESS TO ANOTHER CONTRACTORS PROPRIETARY INFORMATION. FOR THAT, A SEPARATE CONTRACTOR TO CONTRACTOR AGREEMENT IS REQUIRED.);

Advanced procurement information (e.g., future requirements, statements of work, and acquisition strategies);

Source selection information (SSI) (e.g., bids before made public, source selection plans, and rankings of proposals)(PLEASE NOTE: THIS AGREEMENT ALONE DOES NOT AUTHORIZE ACCESS TO SSI--ONLY PCO OR SOURCE SELECTION AUTHORITY CAN AUTHORIZE SUCH ACCESS.);

Trade secrets and other confidential business information (e.g., confidential business information submitted by the contractor);

Attorney work product;

Information protected by the Privacy Act (e.g., social security numbers, home addresses and telephone numbers); and

Other sensitive information that would not be released by Detroit Arsenal under the Freedom of Information Act (e.g., program, planning and budgeting system information);

NOW THEREFORE, RECIPIENT agrees to and promises as follows:

RECIPIENT shall not seek access to nonpublic information beyond what is required for the performance of the support services contract;

RECIPIENT will ensure that his or her status as a contractor employee is known when seeking access to and receiving such nonpublic information of Government employees;

As to any nonpublic information to which RECIPIENT has or is given access, RECIPIENT shall not use or disclose such information for any purpose other than providing the contract support services, and will not use or disclose the information to any unauthorized person or entity for personal, commercial, or any unauthorized purposes; and

If RECIPIENT becomes aware of any improper release or disclosure of such nonpublic information, RECIPIENT will advise the contracting officer verbally within two business days, followed up in writing within five business days.

The RECIPIENT agrees to return any nonpublic information given to him or her pursuant to this agreement, including any transcriptions by RECIPIENT of nonpublic information to which RECIPIENT was given access, if not already destroyed, when RECIPIENT no longer performs work under the contract.

RECIPIENT understands that any unauthorized use, release or disclosure of nonpublic information in violation of this Agreement will subject the RECIPIENT and the RECIPIENT's employer to administrative, civil or criminal remedies as may be authorized by law.

RECIPIENT: _____ (signature)

PRINTED NAME: _____

TITLE: _____

EMPLOYER: _____

[End of Provision]

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L-29 DA, 52.215-5111 ABILITY ONE SUBCONTRACTING CREDIT APR/2010

a. In accordance with Public Law 102-396, AbilityOne organizations will be afforded the maximum practical opportunity to participate as subcontractors and suppliers in the performance of this contract.

b. As prescribed by 10 U.S.C. 2401d and Section 9077 of Public Law 102-396, and in accordance with DFARS 219-703, Eligibility requirements for participating in the program, offers may receive credit toward the small business subcontracting goal for subcontracts placed with qualified nonprofit agencies participating in the AbilityOne program. AbilityOne organizations are qualified nonprofit agencies for the blind and other severely disabled that are approved by the Committee for Purchase from People Who Are Blind or Severely Disabled under the Javits-Wagner-O'Day Act (41 U.S.C. 46-48).

c. For additional information on AbilityOnes's program and products see http://www.abilityone.gov/index.html

d. For additional information on DoD activities in support of AbilityOne, see http://www.acq.osd.mil/dpap/cpic/cp/abilityone_program.html

[End of provision]

L-30 52.233-4001 HQ-AMC LEVEL PROTEST PROCEDURES OCT/2013

Complete AMC Protest Procedures can be found at: http://www.amc.army.mil/pa/COMMANDCOUNSEL.asp

An agency protest may be filed with either the contracting officer or to HQAMC but not both following the procedures listed on the website above.

[End of Provision]

L.1 General Proposal Information

The proposal, subject to the Submission, Modification, Revision and Withdrawal paragraph of Instructions to Offeror(s) Competitive Acquisitions (FAR Provision 52.215-1, ALT I) contained in Section L of the solicitation, shall be submitted in the format and quantities set forth below. All information necessary for the review and evaluation of a proposal is to be contained in the proposal volumes set forth below. Section M of the solicitation sets forth the evaluation criteria and details the Factors to be evaluated and its relative order of importance. The Offerors proposal, as required by Section L, will be evaluated as set forth in Section M of this solicitation. The Government will not assume the Offeror possesses any capability, understanding, or commitment not specified in its proposal. It is an Offerors responsibility to submit a well-written proposal, with detailed information, which clearly demonstrates an understanding of and the ability to comply with the solicitation requirements to allow for a meaningful evaluation. The Government does not assume the duty to search for data to cure problems it finds in proposals. However, in accordance with M.4.1.1, the Government reserves the right to utilize data not provided in the Offerors proposal to supplement the substantiating data provided in the Offerors proposal.

L.2 Proposal Content, Format, and Instructions

L.2.1 Proposal Content

The Offeror's proposal shall be submitted in five separate volumes as set forth below. The Offerors proposal shall consist of the following volumes:

(a) Volume 1: Primary Technical Factor. Submit three identical sets of CD-ROMs or DVDs. CAD Models may be submitted on three identical hard drives with a Firewire or eSATA interface, in lieu of CD-ROMs or DVDs.

(b) Volume 2: Total Evaluated Cost/Price (TEC/P) Factor. Submit three identical sets of CD-ROMs or DVDs.

(c) Volume 3: Small Business Participation Factor. Submit three identical sets of CD-ROMs or DVDs.

(d) Volume 4: Proposal Terms and Conditions Volume. Submit three identical sets of CD-ROMs or DVDs.

(e) Volume 5: Classified Volume. Submit three identical sets of CD-ROMs or DVDs.

L.2.2 Proposal Format

The Offeror's proposal shall be submitted electronically and formatted based upon the use of standard 8.5 x 11 inch paper with a minimum font size of 8 point and with a minimum of 1 inch margins. Schedules, drawings and other documents more appropriate to larger paper may be formatted no larger than 11 x 17 inch paper. All spreadsheets must be in Microsoft Excel 2007 format and include all formulas, function, macros, computations, or equations used to compute the proposed amounts. For each workbook, all Rows, Columns, Cells, and Worksheets must be visible. Zero height and zero width rows and columns in Worksheets are not acceptable. Worksheet cells formatted with the font color equal to the fill color are unacceptable. If Workbooks or Worksheets are password protected, then the passwords must be provided. Print image files or pictures or files containing only values are not acceptable.

L.2.3 CD-ROMs/DVDs

Each volume listed above shall be submitted on a separate set of CD-ROMs or DVDs utilizing Microsoft (MS) Word, MS Excel, MS PowerPoint, MS Project, MS Access, or PDF compatible formats. All MS files shall be Office 2007 compatible unless otherwise indicated. Each CD-ROM or DVD shall be labeled so it is easily identifiable for evaluation purposes (example Volume 1: Primary Technical Factor, Set 1 of 3, CD 1 of X), and shall also include the Offerors name and the solicitation number. Each volume shall include a (i) title page, (ii) table of contents, and (iii) list of tables and figures. Each page of the proposal shall be numbered, and each paragraph of the proposal shall have a reference number. Provide a list of all attachments and substantiating data in the table of contents. The table of contents shall include the following information for each factor, attachment, and for all substantiating data listed:

(a) Cross-reference to related section L paragraph number
(b) Page number
(c) CD-ROM or DVD Volume and number
(d) File name
(e) Classification

L.2.4 Submission Due Date

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The Offeror must ensure its proposal, in its entirety, reaches its intended destination before the date and time set for closing on Standard Form 33 of the solicitation in accordance with the Warren Electronic Contracting Clause (52.204-4016).

L.2.5 Unclassified Proposal Submission Address

Submit the UNCLASSIFIED proposal to the address below. All proposals delivered in response to this solicitation, whether hand-carried or submitted via U.S. mail, shall be addressed as follows:

U.S. Army Contracting Command - Warren
Attention: JLTV Proposal, Jessica Bailiff or Chris Valevich
Bldg 231, Mail Stop 416
6501 E. Eleven Mile Rd. Warren, MI 48397-5000

Solicitation Number: W56HZV-14-R-0039
DATE & Time: Refer to Standard Form 33 (Pg. 1), Block 9
TO BE DELIVERED UNOPENED (Offerors name)

Exterior envelopes must identify the solicitation number, as well as the time and date specified for receipt of proposals in block nine of the Standard Form (SF) 33.

L.2.6 Method of Submission for Unclassified Proposal

Proposals may be hand-carried or submitted via US mail. The unclassified proposal must be received and time stamped by the time and date specified for receipt of proposals in block nine of the Standard Form (SF) 33, subject to the late proposal conditions in FAR Provision 52.215-1 ALT 1. Electronic mail or facsimile of proposals and amendments are not authorized. Hand-carried submissions* include proposals delivered by commercial carriers such as FedEx, UPS, or services other than the US Postal Service. Hand-carried proposals must be delivered to the Detroit Arsenal (DTA) Mail Handling Facility (Building 255) between the hours of 8:00AM and 1:00PM local Warren, MI time. The package(s) will be dated and time stamped at the Mail Handling Facility and the Government will be responsible for forwarding the package(s) to the appropriate personnel. If the proposal is hand-carried by other than a commercial carrier, the delivery person (even if an employee of the Offeror) must be a US citizen.

*Directions to DTA: From Van Dyke Avenue, travel west on East Eleven Mile road to railroad track. Immediately after crossing railroad track turn right into DTA main gate and follow security officer directions to the Mail Handling Facility (Building 225). It may be necessary for the delivery person to obtain a visitors badge prior to being allowed to enter the installation. If so, the security officer will advise the delivery person of the procedures to follow.

Offerors are cautioned that approval to enter the installation must be obtained from Detroit Arsenal security prior to the closing date and time for receipt of proposals.

Due to security procedures, delays are probable at the entry point and Offerors must plan to accommodate them. It is the Offeror's responsibility to plan sufficient time to clear Detroit Arsenal security and ensure proposals reach the intended destination.

L.2.7 Procedure for Submitting Classified Information:

Classified information shall be submitted separately. Do not submit any classified information with the UNCLASSIFIED volumes listed above. The classified information must be received by the time and date specified for receipt of proposals in block nine of the Standard Form (SF) 33, subject to the late proposal conditions in FAR Provision 52.215-1 ALT 1. When submitting classified information, follow the NISPOM Chapter 5 instructions and DD Form 254 (Attachment 0003) using the below mailing address:

Outer Envelope:

PEO Combat Support & Combat Services Support
SFAE-CSS-JL/MS 640
6501 E. Eleven Mile Road
Warren, MI 48397-5000

Inner Envelope:

SFAE-CSS-JL/MS640
Source Selection Board
Attn: Security Manager (Gioacchino (Jack) Ciraulo)
6501 E. Eleven Mile Road
Warren, MI 48397-5000

DRAFT

Solicitation Number: W56HZV-14-R-0039
DATE & Time: Refer to Standard Form 33 (Pg. 1), Block 9
TO BE DELIVERED UNOPENED (Offerors name)

Offerors are cautioned that a proposal is not considered received without the classified submission portion of it having been received.

This RFP includes two classified annexes - Annexes E and F. Offerors must have a copy of Annexes E and F in order to meaningfully respond to the solicitation (Reference M.2.a. In order to receive a copy of Annexes E and F, Offerors must provide proof of valid Industrial Facilities Security Clearance by sending an email to: usarmy.detroit.peo-cs-css.mbx.jpo-jltv-pd-ltv-hmmwv-r-and-m@mail.mil with the Company Name, address, CAGE Code, Facility CAGE Code as per the National Industrial Security Program Operating Manual (NISPOM) DoD 5220.22-M, and basis of the need to know.

All requests for the Classified Annexes shall be received within 10 calendar days of RFP release. Requests received greater than 10 calendar days after the RFP release date may not be processed with enough time for the Offeror to submit a proposal which meaningfully responds to the RFP. The Offeror shall provide the contact information for the Facility Security Officer (FSO) in your response. Foreign respondents must provide the POC, phone number and address of their embassy in the U.S. to use for transfer of the classified documents. Verification of foreign respondents ability to access and store U.S. classified information is required prior to any classified information being sent.

L.2.8 OSD Access to Proposal Information & Marking of Proposals

Offerors are advised that information submitted as part of its proposal may be disclosed to the Office of Secretary of Defense (OSD), Department of Army (DA), and Department of Navy (DON) to support the requirements in DoDD 5000.02. The information will be used for the purposes of developing and validating the JLTV Independent Cost Estimate to support Milestone C approval, prior to any contract awarded in response to this solicitation. Information contained within an Offerors proposal shall be marked in a manner which allows this information to be shared with OSD, DA, and DON. An example of such as marking is as follows:

This proposal includes data that shall not be disclosed outside the Government and shall not be duplicated, used, or disclosed -- in whole or in part -- for any purpose other than to evaluate this proposal or support the JLTV Milestone C approval decision. If, however, a contract is awarded to this offeror as a result of -- or in connection with -- the submission of this data, the Government shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting contract. This restriction does not limit the Governments right to use information contained in this data if it is obtained from another source without restriction. The data subject to this restriction are contained in sheets [insert numbers or other identification of sheets].

L.2.9 Consistency

Each volume of the Offerors proposal shall be consistent with the other proposal volumes and shall demonstrate the understanding and ability to perform according to the statement of work of the contract. The Offeror should provide supporting documentation in sufficient detail to permit a complete evaluation of the proposal. The Government may conduct a crosswalk between the information provided in Offerors proposal volumes to assess whether the Offeror submits consistent proposal information.

L.3 Single Proposal Submission

Offerors are limited to submitting one proposal with one approach to meeting the requirements of this solicitation. An Offeror is defined as an entity competing independently that does not share a common parent, does not have a parent/subsidiary relationship with any other Offeror, and is not affiliated with any other Offeror (as defined in Federal Acquisition Regulation (FAR) 19.101).

L.4 Proposal Volumes

Offeror proposals shall address the following five volumes:

(a) Volume 1: Factor 1 Primary Technical (L.4.1);
(b) Volume 2: Factor 2 Total Evaluated Cost/Price (L.4.2);
(c) Volume 3: Factor 3 Small Business Participation (L.4.3);
(d) Volume 4: Proposal Terms and Conditions (L.4.4);
(e) Volume 5: Classified Information (L.4.5);

L.4.1 Volume 1: Factor 1- Primary Technical

Attachment 0061 (Primary Technical Performance Requirements List) identifies the Threshold Purchase Description (PD) requirements from Attachment 0001 which will be evaluated under the Primary Technical Factor. The Offeror shall provide a single worksheet for each requirement listed in Attachment 0061, in the format defined in Attachment 0062 (Primary Technical Requirements Worksheet). The Offerors proposal shall consider the performance of the JLTV FoV, IAW PD definitions and requirements, including definitions PDFOV-875 and PDFOV-942.

DRAFT

L.4.1.1 System Description

The Offeror shall provide a description of the proposed vehicle design for each JLTV base vehicle platform, the JLTV Trailer (JLTV-T), and kits. The Offeror may include text, photos, illustrations, and model/drawing extracts. The description shall include subsystems and components. The description shall identify the differences between the JLTV base vehicle platforms. It is recommended that the system description be presented in no more than 75 total pages.

L.4.1.2 3D CAD Model

The Offeror shall provide 3D CAD Models representative of the proposed JLTV base vehicle platforms and JLTV-T in accordance with Attachment 0063 (3D CAD Models).

L.4.1.3 Specification Sheets

The Offeror shall provide a completed specification sheet Attachment 0064 (Proposed Spec Sheet) for each of the proposed base vehicle platforms and the JLTV-T. Also, for each test event identified as substantiating data on Attachment 0062, the Offeror shall submit an as-tested specification sheet to detail the vehicle configuration for each test event used as substantiating data. The as-tested specification sheet shall be submitted in accordance with Attachment 0065 (As-Tested Spec Sheet).

L.4.1.4 Substantiating Data

The Offeror shall provide data to substantiate, in the format defined in Attachment 0062 (Primary Technical Requirements Worksheet), the performance of the proposed design for each requirement in Attachment 0061 (Primary Technical Performance Requirements List). Substantiating Data shall be in the form of Government test data, third party test data, Offeror test data, manufacturers specification sheets, certified modeling and simulation data, safety confirmations, material release information, analytical support, design documentation and/or rationale. Substantiating data shall be complete, specific, and relevant only to the specific performance levels proposed to be achieved by the Offeror for each requirement. If the substantiating data for one requirement is the same as data cited for another requirement, then reference the previously provided data and do not provide duplicate data.

Where the Offeror submits substantiating data for a design configuration that varies from the offered design configuration, the Offeror shall explain the extent of the variance and the impact such variances have on the credibility of the substantiating data.

Additionally, the Offeror shall provide the data specified in Attachment 0066 (RAM Data Sheet), Attachment 0067 (Cab Design Data Sheet), and Attachment 0068 (Crew Seating Data Sheet).

If the Offeror uses third party data to substantiate Force Protection requirements, the Offeror shall provide the data in the format of Attachment 0069 (Blast or IED Test Data Sheet).

Offerors are required to submit the information and supporting data required for the other factors (Total Evaluated Cost/Price, and Small Business Participation) by separate stand alone submission in each of the appropriate volumes.

L.4.1.5 Vehicle Configuration Tracking

The Offeror shall provide a time-phased diagram which details the implementation of design changes on each vehicle used to provide substantiating data of vehicle performance. The diagram will include Baseline Change Notification (BCN) implementation dates during Government EMD testing and Contractor testing, to the extent necessary to provide precise and accurate documentation of the vehicle configuration at the time of each test event used as substantiating data.

L.4.2 Volume 2: Factor 2 Total Evaluated Cost/Price (TEC/P)

The TEC/P Volume is comprised of the Offerors Proposed Contract Cost/Price, Life Cycle Cost Adjustment inputs, Technical Data Package Adjustment inputs, Tier 1 Objective Requirements Adjustment inputs, and Secondary Technical Adjustment inputs.

In accordance with FAR 15.306, the Government reserves the right to request additional or more detailed information to support its evaluation of the TEC/P Factor in addition to the information requested in L.4.2.

L.4.2.1 Offerors Proposed Contract Cost/Price

The Offerors Proposed Cost/Price volume shall consist of the following:

a. Submission of all proposed prices on Attachment 0070, Pricing Matrix in accordance with the instructions in the attachment. By entering proposed per-unit prices there, the Contract Cost/Price (not including any cost realism adjustment) is automatically calculated by the Excel formulas in the attachment. The workbook will round all proposed unit prices to the nearest penny ($0.01). All proposed

DRAFT

prices shall be in U.S. Dollars, including costs and prices for any subcontractors. If the basis for the proposal is in any other currency, the Offeror shall state the exchange rate(s) being used to convert any currency to the U.S. Dollar and how the exchange rate was developed. The Offeror must also explain how they intend to mitigate the risk of exchange rate fluctuation for this prospective contract.

b. Submission of Offeror-constructed Excel spreadsheets providing cost element breakdowns supporting proposed prices, as set forth in L.4.2.1.2 through L.4.2.1.4.9 below. The Offeror must also provide associated rationale required by L.4.2.1.1 through L.4.2.1.4.9.

L.4.2.1.1 Attachment 0070

The Offeror shall fill in the Government-provided Excel spreadsheet found in Attachment 0070. Attachment 0070 shall contain all of the Offerors prices as indicated in the attachment. The Offeror shall not enter any proposed prices in Section B. The prices populated by the Offeror in Attachment 0070 shall be in Then-Year dollars (TY$). Then-Year dollars reflect the actual price paid by the Government for goods or services at the time of the base award or at the time of the option award. Attachment 0070 will convert the Offerors proposed prices from TY$ to Base-Year FY2011 dollars (BY11$). Base-Year dollars reflect the inflation adjusted price paid for goods or services in a defined specific base year. The base year for JLTV is FY2011.

The Offeror shall propose range pricing for vehicles and the applicable kits identified in Attachment 0070 for option periods 1-8, using the format in Attachment 0070. The Offeror may enter the same or different unit prices for all ranges in each Ordering Period.

L.4.2.1.2 Table of Contents

The Offeror and each Major Subcontractor as defined in L.4.2.1.4.2 shall provide a Table of Contents showing each file submitted as part of the Offerors Proposed Cost/Price with a short description of the contents of the file. Each of these entries in the Table of Contents shall be hyperlinked to the respective files.

L.4.2.1.3 Supporting Narratives

When supporting narratives are required as indicated below, including Basis of Estimate (BOE) sheets, they shall be submitted in files which are MS Excel or MS Word 2007 compatible. BOEs and its supporting rationale may not be submitted as a picture.

L.4.2.1.4 Top-Level Spreadsheets

The Offeror shall provide a top-level spreadsheet organized by cost element (e.g., Direct Labor, Subcontracts, Direct Material, Other Direct Costs, Overhead/Indirect Costs, Profit/Fee, etc.) consistent with the offerors accounting system for each Major CLIN as identified on the Contract Cost Price Summary worksheet within Attachment 0070 for each contract period (i.e., a separate top-level spreadsheet for the Base Award and each of the eight option periods). Provide the following information in support of each top-level spreadsheet:

L.4.2.1.4.1 Direct Labor

Support for costs related to direct labor shall include the following:

(a) A quarterly time-phased breakout of the direct labor hours, by labor category.
(b) A description of each labor hour category. This description shall include sufficient information to allow the Government to distinguish between the different labor categories used in the proposal.
(c) The labor rate for each category of direct labor and any escalation used.

In addition to the above information, for Cost Reimbursement CLINs, the offeror shall provide BOEs that include the following:

(d) A narrative description of the tasks to be performed, and the calculations showing the computation of the respective direct labor hours proposed for each specific task.
(e) A narrative description of the method used to estimate the hours, identifying assumptions used and cost estimating relationships.

L.4.2.1.4.2 Major Subcontracts for Select Service CLINs.

If there are major non-hardware subcontractors (those with a total labor cost expected to be greater than 50% of the ICS, STS, or TPF efforts of the contract), provide pricing information from the subcontractor equivalent to that required in Section L.4.2.1 of the prime Offeror.

(a) Include the analysis of the subcontractor's submission required by subcontract pricing considerations (FAR 15.404-3 (b)), and rationale for determining that the subcontract price is fair and reasonable. Also state the type of subcontract the Offeror anticipates (e.g., firm-fixed price, cost-plus-fixed-fee, etc).

(b) For major subcontractors as defined above, if the subcontract is for purchased material and the offeror can demonstrate the

DRAFT

subcontract item is either commercial or based on adequate price competition, cost information from the subcontractor is not required. Instead, provide copies of competitive subcontractor price quotes, or the kind of information in FAR 52.215-20(a)(1)(ii).

(c) If the major subcontractor declines to provide complete price proposals to the Offeror or higher-tier subcontractor, then those subcontract proposals may be submitted by the subcontractor directly to the PCO using the same submission instructions noted above. The Government will not communicate with any subcontractor directly to request information or to clarify information received. Failure of the subcontractor to submit the necessary cost or pricing data to the Government, at or prior to the solicitation close date, may render the prime Offeror non-responsive.

L.4.2.1.4.3 Inter-Organizational Transfers

The same kind of information as described in L.4.2.1.4.2 shall be provided for inter-organizational transfers, regardless of dollar value, except the Offeror need not provide its analysis of the submission. Inter-organizational transfer includes transfers between divisions, subdivisions, subsidiaries, or affiliates of the Offeror under a common control.

L.4.2.1.4.4 Material Cost

For all components, the Offeror shall provide a narrative which explains the method used to develop proposed cost, including information about the extent to which the cost is based on vendor quotes, purchase order history, estimates, or any other information necessary to substantiate the proposal.

The Offeror shall provide a complete Bill of Material (BOM) with the following information:

1) National Stock Number (NSN), as applicable
2) Part Number
3) Item Name and Description
4) Vendor
5) Unit Cost (purchase price to Offeror)
6) Quantity used
7) Extended Cost (unit cost multiplied by quantity used)
8) Basis for cost (engineering estimate, vendor quote, purchase history, etc.)
9) Indicate whether component is sole-source, competitive, or commercial
10) For material and subcontract costs based on engineering estimates, please provide rationale and methodology for how the estimate was developed
11) Identify the next higher assembly

L.4.2.1.4.5 Other Direct Costs

Depending on the Offerors accounting system, Other Direct Costs may include costs such as computing charges, shipping, or other types of direct costs. The Offeror shall identify each category of proposed Other Direct Cost, and the dollar amount for each category. Provide an explanation of what is included in each category and how the cost was estimated.

L.4.2.1.4.6 Travel

For each proposed trip, provide the purpose of the trip, the trip origin, the trip destination, the number of travelers, the number of days, and the proposed hotel cost, meals and incidental expenses (M&IE) cost, rental car cost, and any other costs associated with the trip. The Offeror may use a Cost Estimating Relationship (CER) for Travel as an alternative estimating methodology. If a CER is used to estimate Travel, please provide a detailed explanation supporting how the CER was developed. Include information such as the programs used and associated Travel costs, amounts included in the base (e.g. number of labor hours, labor costs), and the calculation showing how the CER factor was derived. In addition, the Offeror shall provide the calculation showing how the CER factor is applied to estimate the proposed Travel cost for this effort.

L.4.2.1.4.7 Rates

The Offeror shall provide a list of direct and indirect rates (e.g. Direct Labor rates, Material Overhead, Direct Labor Overhead, General & Administrative), by category and by year, used by the Offeror to develop its proposal. These rates shall be consistent with the Offerors accounting system. Identify the proposal allocation base and calculation. The Offeror shall identify the impact the award of this contract will have on its business volume, including the effects upon the rate pools and bases. The Offeror shall include the following:

(a) The date of the current Cost Accounting Standards Board (CASB) Disclosure Statement.

(b) The effective date of the rates or the data that formed the basis for the rates (the date of the burden study analysis or payroll run, etc.), and state whether or not the rate package has been submitted to Defense Contract Audit Agency (DCAA) for review.

DRAFT

(c) The ending month for the Offeror's fiscal year.

(d) A narrative explaining the basis for the estimated rates. Specifically identify any escalation factors used.

(e) State whether these rates represent a Forward Pricing Rate Submission (FPRS) or a Forward Pricing Rate Agreement (FPRA) and note the date of the agreement.

(f) State whether or not the business volume that would be generated if a contract was awarded to your firm as a result of this RFP has been included in the proposed rate package.

(g) For each of the rate categories, provide both the prior and current fiscal year's Incurred Cost rates. Indicate if the prior year rates have been audited. For the current year's Incurred Cost rates, provide the month ending for those rates.

L.4.2.1.4.8 Facilities Capital Cost of Money (FCCM)

The Offeror shall state the total amount estimated for FCCM and identify the Treasury Rate used to develop the amount.

L.4.2.1.4.9 Profit/Fee

The Offeror shall state the profit/fee rate as applicable and the total dollar amount included.

L.4.2.1.4.10 Cost Decrements

In the event the proposed pricing reflects any form of cost decrement, to include cost discounting, expected negotiation decreases, corporate investment or management challenges, the Offeror shall identify such decrements in the proposal. Where cost decrements are proposed, identify the nature, amount and basis for the decrement, and any accounting treatment implications. Also, the Offeror shall provide supporting data to substantiate how the decrement will be achieved. In the event of corporate investment or management challenges that may result in the contract being performed at a loss, provide corporate level substantiating information which both recognizes the potential for performance at a loss and supports the ability of the offeror to finance contract performance in a loss position.

L.4.2.1.5 DCAA and DCMA Contact Information

The Offeror and each Major Subcontractor as defined in L.4.2.1.4.2 shall provide the address, email, and telephone number of the cognizant DCAA Field Audit Office and DCMA office.

L.4.2.2 Life Cycle Cost Adjustment

The Offeror shall complete and submit Attachment 0071 (LCC Adjustment Calculator) and Attachment 0080 (Idle Fuel Efficiency Input) in Microsoft Excel 2007 format.

L.4.2.2.1 Attachment 0071 - LCC Adjustment Calculator

The Offeror shall enter its proposed inputs for Operating Fuel Efficiency (PDFOV-3388), Idle Fuel Consumption Rate (PDFOV-8192), Mean Mile Between Hardware Mission Failure (PDFOV-2909), Average Unit Manufacturing Cost (AUMC), Average Contractor Furnished Equipment (CFE) Kit price per vehicle, and Average Armor Kit price per vehicle. Attachment 0071 shall be submitted in Microsoft Excel 2007 format. Other than filling in the identified input variables, the Offeror shall not adjust, edit, or change Attachment 0071 in any way.

L.4.2.2.2 Attachment 0080 - Idle Fuel Efficiency Input

The Offeror shall enter its proposed Idle Fuel Consumption Rate (PDFOV-8193).

L.4.2.3 Technical Data Package (TDP) Adjustment

It is the Governments objective to acquire rights in technical data (see DFARS 227.7102-1) to permit the Government to use, modify, reproduce, release, perform, display, or disclose technical data to support future full and open competitive acquisitions of the JLTV FoV and all its components. The Offeror shall identify a proposed option to deliver rights in technical data greater than the rights to which the Government is already entitled under applicable law, regulation, or contract. The optional rights shall be sufficient to support future full and open competitive acquisitions for the entire JLTV FoV.

L.4.2.3.1 Attachment 0072 - TDP Proposal

The Offeror shall complete Attachment 0072 (TDP Proposal) for its proposed JLTV FoV Government Technical Data Package and submit it in

DRAFT

Microsoft Excel 2007 format as described in Sections L.4.2.3.1.1 and L.4.2.3.1.2 below. The TDP shall be proposed to meet the TDP Purchase Option language contained within Section C.2.6 of this solicitation. Attachment 0072 is a Microsoft Excel spreadsheet with tabs corresponding to each JLTV Configuration, Trailer, and CFE Kits.

L.4.2.3.1.1 Part 1 - TDP Bill of Material (BOM)

For Part 1 of each tab, the Offeror shall provide an accounting of each unique part number of its design, to include assemblies, installations, top level drawings, and software. Software files shall be treated as a unique part number for the purpose of completion of Attachment 0072. Instructions for each column are as follows.

(a) PART/DRAWING NUMBER: The contractor shall enter the part/drawing number for the individual software or hardware component pertaining to that line item of the BOM. For example: 12345678.

(b) NOMENCLATURE: The contractor shall enter the nomenclature of the part. For example BOLT, METRIC CLASS 10.9.

(c) DESCRIPTION: The offeror shall provide a description of the part which conveys the usage, function, and location of the part. For example, in the case of a pressure relief valve, a description would be "Pressure relief safety valve mounted to the pneumatic system air tanks. The offeror may attach a pictorial representation of the component to aid in clarity (e.g. 3D model screenshot, picture, etc), but this representation must convey the function and usage clearly and concisely.

(d) TYPE OF COMPONENT: The offeror shall choose from one of the following choices for drawing type. For the purposes of this BOM, unique vehicle software shall be given a unique part number and entered in the table accordingly. For the purposes of this column, software is included as a component.

(i) COMPETITIVE RIGHTS COMPONENT - A component which is proposed to be delivered and released into the Government TDP with Unlimited or Government Purpose Rights as defined in DFARS 252.227-7013, 252.227-7014, and 252.227-7015, which can be openly and competitively procured by the Government for Government purposes without restriction.

(ii) SOURCE CONTROLLED OEM COMPONENT - A component designed exclusively by the offeror at its own expense which meets the requirements of ASME Y14.24 Appendix 1 for source controlled drawings and is delivered and released into the Government TDP on a Government format source controlled drawing which identifies the offeror as the sole approved source of supply and provides the JLTV form, fit, function, interface, and minimum performance requirements. The Offeror shall provide unlimited rights for this type of drawing.

(iii) SOURCE CONTROLLED - COMMERCIAL COMPONENT - A commercially available component designed exclusively by the manufacturer at its own expense which meets the requirements of ASME Y14.24 Appendix 1 for source controlled drawings and is delivered and released into the Government TDP on a Government format source controlled drawing which identifies the commercial manufacturer (not the JLTV OEM) as the sole approved source of supply and the JLTV form, fit, function, interface, and minimum performance requirements . The Offeror shall provide unlimited rights for this type of drawing.

(e) IDENTIFIED SOURCE(S) FOR SOURCE CONTROL COMPONENTS: The contractor shall provide the source(s) of supply for all components which are identified as SOURCE CONTROLLED. For components specified as COMPETITIVE RIGHTS COMPONENTS with UNLIMITED or GOVERNMENT PURPOSE RIGHTS, enter N/A in this cell.

(f) JUSTIFICATION FOR SOURCE CONTROLLED COMPONENTS: The offeror shall provide justification for identifying a component as SOURCE CONTROLLED OEM Component or Source Controlled COTS Component. Justification should be brief and address the requirements for these components as defined in ASME Y14.24, Appendix A. The justification shall also address the restrictions identified in DFARS 252.227-7013, 252.227-7014, and 252.227-7015.

L.4.2.3.1.2 Part 2 - A Listing of Assertion of Restrictions for Items Included in the TDP Option

For Part 2 of each tab, the Offeror shall assert any restrictions on the Government's rights to use, release, or disclose each unique part identified on Part 1 of Attachment 0072 after the option is exercised.

For each item identified as a Competitive Rights Component in Part 1 of Attachment 0072, the Offeror shall specify the government will be given either Government Purpose Rights or Unlimited Rights upon exercise of the option. This information shall be identified within the Asserted Rights column of Part 2.

For each item identified as a Source Controlled OEM Component or Source Controlled - Commercial Component in Part 1 of Attachment 0072, the Offeror shall specify the government will be given either Limited Rights to the component with Unlimited Rights to the JLTV source controlled drawing, or Restricted Rights to the component with Unlimited Rights to the JLTV source controlled drawing upon exercise of the option. This information shall be identified within the Asserted Rights column of Part 2.

For each item identified as a having restricted or limited rights in Part 2, the Offeror shall specify the Basis for Assertion. Generally, development at private expense, either exclusively or partially, is the only basis for asserting restrictions. For technical

DRAFT

data, other than computer software documentation, development refers to development of the item, component, or process to which the data pertain. The Government's rights in computer software documentation generally may not be restricted. For computer software, development refers to the software. Indicate whether development was accomplished exclusively or partially at private expense. If development was not accomplished at private expense, or for computer software documentation, enter the specific basis for asserting restrictions.

Part 2 of Attachment 0072 shall be dated and signed by an official authorized to contractually obligate the Offeror

Part 2 of Attachment 0072 will not be evaluated in Source Selection; however it will be incorporated as an attachment in Section J of the resulting contract. If the TDP Option is exercised, the information provided in Part 2 of Attachment 0072 will replace the Assertion of Restrictions submitted in response to L.4.6.4 and DFARS 252.227-7017.

L.4.2.3.2 Declining to Propose

Should the Offeror elect to decline to propose an option for the Government to acquire additional data rights sufficient to support competition, the Offeror shall submit this intent in writing in place of Attachment 0072. In accordance with 10 USC 2320 and DFARS 227.7103-1, an Offeror will not be deemed non-responsive if it declines to propose an option for competitive rights in technical data greater than the rights to which the Government is already entitled; nor is the Governments goal of acquiring data rights to support future full and open competitive acquisitions a condition of award, rather it will be considered in the source selection decision.

L.4.2.3.3 Incorporation of Proposed TDP Data Rights

The Offeror selected for award will have its proposed TDP Option BOM in Attachment 0072 incorporated into Section J of the Contract. If the TDP Option is exercised, then the Contractor shall deliver a TDP with markings conforming to its proposed option rights in Attachment 0072.

L.4.2.4 Tier 1 Objective Requirements Adjustment

The Offeror shall identify, in Attachment 0073 (Objective Performance Matrix) the proposed level of performance above threshold for each requirement listed in the matrix.

L.4.2.5 Secondary Technical Adjustment

The Offeror shall identify, in Attachment 0074 (Requirements Compliance Matrix), whether the Offerors JLTV is compliant or non-compliant to each requirement listed in the Compliance Matrix tab. The Offeror shall submit its proposed Attachment 0074 (Requirements Compliance Matrix) in Microsoft Excel 2007 format. The Offeror must propose to be compliant to requirements PDFOV-3511, PDFOV-8194, PDFOV-7640, PDFOV-7643, PDFOV-2579, PDFOV-2581, PDFOV-1224, PDFOV-2653, PDFOV-1003, PDFOV-3328, PDFOV-6548, PDFOV-1355, PDFOV-7714, PDFOV-1719, PDE-21. Other than filling in the identified input variables, the Offeror shall not adjust, edit, or change Attachment 0074 in any way.

L.4.3 Volume 3: Factor 3 - Small Business Participation

The Small Business Participation Factor Volume is comprised of a single volume. Offerors are responsible for including sufficient detail to permit a complete evaluation.

L.4.3.1 Application

The following Small Business Participation proposal submission instructions apply to every Offeror (U.S. and non-U.S.), regardless of size, status, or locations of working facilities or headquarters.

L.4.3.2 Definitions

(a) Affiliate is defined in 13 CFR 121.103.

(b) Alaskan Native Corporation is defined in FAR 19.701 as any Regional Corporation, Village Corporation, Urban Corporation, or Group Corporation organized under the laws of the State of Alaska in accordance with the Alaska Native Claims Settlement Act, as amended (43 U.S.C. 1601, et seq.) and which is considered a minority and economically disadvantaged concern under the criteria at 43 U.S.C. 1626(e)(1). This definition also includes ANC direct and indirect subsidiary corporations, joint ventures, and partnerships that meet the requirements of 43 U.S.C. 1626(e)(2).

DRAFT

(c) Contractor Team Arrangement (CTA) is defined in FAR 9.601 and includes partnerships, joint ventures, and prime and subcontractor relationships.

(d) Indian Tribe is defined in FAR 19.701 as any Indian tribe, band, group, pueblo, or community, including native villages and native groups (including corporations organized by Kenai, Juneau, Sitka, and Kodiak) as defined in the Alaska Native Claims Settlement Act (43 U.S.C.A. 1601 et seq.), that is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs in accordance with 25 U.S.C. 1452(c). This definition also includes Indian-owned economic enterprises that meet the requirements of 25 U.S.C. 1452(e).

(e) Other Than Small Business is any entity that is not a U.S. small business concern, including, but not limited to large businesses, educational institutions, non-profits, government entities, and foreign firms.

(f) Small Business Teaming Arrangement (SBTA) is defined in 13 CFR 125.1 and includes joint ventures and prime and subcontractor relationships.

(g) Subcontract is defined in FAR 19.701 as any agreement (other than one involving an employer-employee relationship) entered into by a Government prime contractor or subcontractor calling for supplies and/or services required for performance of the contract, contract modifications, or subcontract.

(h) U.S. Small Business Concern is defined in FAR 19 and DFARS 19. U.S. small business concerns include small businesses (SBs), small disadvantaged businesses (SDBs), woman-owned small businesses (WOSBs), HUBZone small businesses (HUBZone SBs), veteran-owned small businesses (VOSBs), and service disabled veteran-owned small businesses (SDVOSBs).

L.4.3.3 Small Business Participation Factor Workbook (Attachment 0076) and Small Business Participation Factor Workbook Instructions (Attachment 0077):

(a) ALL Offerors, including Offerors who are themselves U.S. small business concerns for the NAICS code assigned to this requirement, are required to complete the Small Business Participation Factor Workbook (Attachment 0076, using the detailed Small Business Participation Factor Workbook Instructions (Attachment 0077).

(b) An Offeror shall fill out the Small Business Participation Factor Workbook (Attachment 0076) with goals for this solicitation specifically, even if it is an Other-Than-Small-Business (OTSB) submitting a Comprehensive Subcontracting Plan in accordance with Section I of the solicitation.

(c) The Small Business Participation Factor Workbook (Attachment 0076) shall be submitted in the Microsoft Office Excel 2007 workbook format with all tabs, formulas, and functions that are built into the template in the solicitation. Print image files or pictures (for example, a picture of an Excel spreadsheet embedded in a Word document) or files containing only values are not acceptable.

DRAFT

L.4.3.4 Additional Information

If the Offeror has a contractor team arrangement, the Offeror shall submit a very brief introductory narrative that explains the arrangement. If any Offeror has any other need to clarify or explain anything in the Small Business Participation Factor Submittal, the information can be included in this narrative.

L.4.3.5 Signature Requirement for Proposed Subcontracts

The Small Business Administration (SBA) Dynamic Small Business Search (DSBS) Database is the official source for the SBA certified designations of 8(a), 8(a) Joint Venture, and HUBZone SB. The government may use this system to verify any SBA certifications of the prime and subcontractors. The government may also use the System for Award Management (SAM) to verify size, ownership, and any other information provided about the prime and subcontractors listed in the proposal. According to 13 CFR 121.411(b) the offeror cannot require subcontractors to use SAM. For any contractor listed in the proposal that is not registered in SAM, the offeror shall provide in accordance with 13 CFR 121.411(f), a certification from that contractor verifying its small business size and socioeconomic status. This certification shall contain, on the same page as the size and status claimed, the signature of the official authorized to sign for the small business subcontractor.

L.4.3.6. Other Resources/Additional Data

In addition to the data submitted by the Offeror, and the data found in Government systems specifically referenced throughout this L.4.5, the Government may use other resources to evaluate the Offerors Small Business Participation Factor Submittal. The Government reserves the right, during clarification or discussion under FAR 15.306, to request additional data to support its assessment.

L.4.3.7 What Counts Toward the Offerors Proposed Small Business Participation Factor Goals

The Offerors extent of small business participation in each small business category will be calculated automatically on the Roll-up tab

in the Small Business Participation Factor Workbook (Attachment 0076). The embedded formula takes the Dollars for portion of work to be performed by Small Business Prime and adds it to the Dollars for portion of work to be performed by First Tier Small Business Subcontractors, then divides the sum by the Total Contract Amount, and multiplies the result by 100 to obtain the percentage. The Total Contract Amount is defined as the Total Proposed Amount for all of the Basic CLINs and all of the Option CLINs.

(a) The following count toward an Other-Than-Small-Business Offerors proposed Small Business Participation Factor goals:

(1) The dollars for first tier small business subcontracts.

(2) The dollars for first tier small business subcontracts of first tier affiliates for work related to the contract. For purposes of this small business participation factor and the subcontracting plan, first tier affiliates are considered part of the prime.

(3) The dollars for first tier small business subcontracts of joint venture members for work related to the contract. For purposes of this small business participation factor and the subcontracting plan, joint venture members are considered affiliates of the prime and therefore part of the prime, even if they are designated as subcontractors in the joint venture legal agreement.

(4) The dollars the offeror has been designated to receive as a small business and small disadvantaged business credit from an Alaskan Native Corporation (ANC) or Indian Tribe subcontract at first or lower tiers.

(b) The following count toward a Small Business Offerors proposed Small Business Participation Factor goals.

(1) The dollars for the portion of the work to be performed as a small business prime.

(2) The dollars for first tier small business subcontracts.

(3) The dollars for first tier small business subcontracts of first tier affiliates for work related to the contract. For purposes of this small business participation factor, first tier affiliates are considered part of the prime.

(4) The dollars for the portion of work to be performed as a small business joint venture prime. This includes any separate legal entity as well as the joint venture members. For purposes of this small business participation factor, joint venture members are considered part of the prime, even if they are designated as subcontractors in the joint venture legal agreement.

(5) The dollars for first tier small business subcontracts of joint venture members for work related to the contract.

L.4.3.8 Differences between the Small Business Subcontracting Plan and Small Business Participation Factor

(a) The Small Business Subcontracting Plan:

1) is not required of small businesses.
2) is developed and submitted in accordance with FAR Clause 52.219-9 ALT II, Small Business Subcontracting Plan and DFARS Clause 252.219-7003 (or DFARS Clause 252.219-7004 if the Offeror has a comprehensive subcontracting plan) in Section L.
3) is evaluated in accordance with the FAR, DFARS, and AFARS.
4) has goals that are expressed as a percentage of Total Subcontracting Amount.
5) has goals broken out separately for each CLIN.

(b) The Small Business Participation Factor Submittal:

1) is required of all Offerors, including small businesses.
2) is developed and submitted in accordance with this Section L provision.
3) is evaluated in accordance with Section M.
4) has goals that are expressed as a percentage of Total Contract Amount.
5) has goals which are not separately established for each CLIN.

L.4.4 Volume 4: Proposal Terms and Conditions

The offeror shall submit the following information for the proposal terms and conditions volume of its proposal:

L.4.4.1 Signature Actions/Offeror Fill-Ins

The offeror shall submit a signed copy of the Standard Form 33 (SF33) cover page, by a person authorized to sign proposals on behalf of the offeror, and a copy of Sections A, C through K with all completed fill-ins, including all signed copies of Amendments to the solicitation.

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L.4.4.2 Small Business Subcontracting Plan

Other than U.S. Small Business concerns, as defined by the North American Industry Classification System (NAICS) code applicable to this solicitation, 336992, shall submit a small business subcontracting plan in accordance with FAR Clause 52.219-9 ALT II and provide this plan as part of Volume 6.

L.4.4.3 Facility Clearance (FCL)

Offerors are required to submit documentation substantiating possession of a Facility Clearance (SECRET). Include documentation demonstrating that the Offeror and subcontractors have a Facility Clearance (FCL) for any location that will handle classified material. Offerors must submit documentation indicating its facility has been granted a SECRET FCL. Offerors who are considering a subcontractor that will handle classified material must also submit documentation indicating that its subcontractor has obtained the necessary clearance in order to be considered for award.

L.4.4.4 Cost Accounting System

In order to be considered for award as part of the responsibility determination, the Offeror must provide evidence that it has adequate financial management and fund tracking procedures to accommodate a cost-reimbursement type contract. This evidence may include a letter from either DCMA or DCAA that states that the Offeror has an acceptable accounting system for this type of contract. If an accounting system has not been determined to be adequate by DCMA or DCAA, the Offeror shall coordinate with the PCO to obtain an accounting system review prior to submitting a proposal.

L.4.4.5 Pricing Assumptions

For evaluation purposes, offerors shall prepare proposals assuming that the only JLTV quantities Offerors will receive shall be for the quantity set forth in this RFP. Offerors shall make a clear statement in their Proposal Terms and Conditions Volume that the proposal is based on only the quantities set forth in this RFP.

L.4.5 Volume 5: Classified Information

The offeror shall submit all classified information associated with its proposal in Volume 5 in accordance with Section L.2.7 above. For all classified information submitted within Volume 5, the offeror shall clearly identify which proposal volume (1-4) with which it is associated.

*** END OF NARRATIVE L0001 ***

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SECTION M - EVALUATION FACTORS FOR AWARD

	Regulatory Cite	Title	Date
M-1	52.217-5	EVALUATION OF OPTIONS	JUL/1990
M-2	52.247-47	EVALUATION--F.O.B. ORIGIN	JUN/2003
M-3	52.247-50	NO EVALUATION OF TRANSPORTATION COSTS	APR/1984

M.1 Basis of Award

M.1.1 Overview

The Government intends to award one contract as a result of this solicitation. The Government may choose not to award a contract where it concludes that no proposal exists with a reasonable probability of complying with contract terms and conditions. The Government will select for award the proposal which represents the best value to the Government as described below.

There are three evaluation Factors:

(a) Volume 1: Factor 1 Primary Technical (M.4.1);
(b) Volume 2: Factor 2 Total Evaluated Cost/Price (TEC/P) (M.4.2);
(c) Volume 3: Factor 3 Small Business Participation (M.4.3);

Relative Order of Importance: Primary Technical is more important than TEC/P. TEC/P is significantly more important than Small Business Participation. As required to be defined by FAR 15.304(e), the non-TEC/P factors, when combined, are significantly more important than the TEC/P Factor.

M.1.3 Export Controlled Information

This solicitation contains Export Controlled information in Controlled Unclassified Attachments and within the Classified Annexes to this solicitation. It is the responsibility of the Offeror, not the Government, to obtain the appropriate export licenses, or process the appropriate export license exemption, necessary for authorization to share any such information with subcontractors who are foreign persons as defined in applicable export laws and regulations, or to obtain access to the files themselves. The failure or inability of an Offeror to obtain the appropriate export compliance documentation may be considered as grounds for rejection in accordance with M.2.

M.2 Rejection Of Offers

Offerors shall carefully read, understand, and provide all the information requested in the Proposal Preparation Instructions and Content contained in Section L. In accordance with clause FAR 52.215-1 (ALT I) contained in this solicitation, the Government may reject any or all proposals if such action is in the Governments interests. The circumstances which may lead to the rejection of a proposal include, but are not limited to, the following:

(a) The proposal fails to meaningfully respond to the Proposal Preparation Instructions specified in Section L of this solicitation. Examples of failure to meaningfully respond include:

(1) When a proposal merely offers to perform work according to the RFP terms or fails to present more than a statement indicating its capability to comply with the RFP terms and does not provide support and elaboration as specified in Section L of this solicitation.

(2) A proposal fails to provide any of the data and information required in Section L.

(3) A proposal provides some data but omits significant material data and information required by Section L.

(4) A proposal merely repeats the contract statement of work without elaboration.

(b) The proposal contains unbalanced pricing as defined in Clause 52.215-1 and paragraph M.4.2.2.3.2.

(c) The proposal price is unaffordable, per M.3.2.

(d) The proposal offers a product or service that does not meet all stated material requirements of the solicitation.

(e) The Offeror proposes exceptions to the attachments, exhibits, enclosures, or other RFP terms and conditions.

(f) The Offeror proposes performance below threshold performance for any Primary Technical Performance Requirements identified in Attachment 0061.

DRAFT

(g) The Offeror's proposal contains any inconsistencies between proposal volumes.

(h) The Offeror fails to obtain the appropriate export compliance documentation as required by M.1.3.

(i) The proposal reflects Unsubstantiated Technical Commitments as defined in M.4.1.5 or an inherent lack of technical competence which suggests the Offeror has a failure to comprehend the complexity and risks required to perform the RFP requirements or proposed technical performance that is unobtainable.

(j) The Offeror proposes to be non-compliant in its Secondary Technical Adjustment proposal (Attachment 0074) to any of the following requirements: PDFOV-3511, PDFOV-8194, PDFOV-7640, PDFOV-7643, PDFOV-2579, PDFOV-2581, PDFOV-1224, PDFOV-2653, PDFOV-1003, PDFOV-3328, PDFOV-6548, PDFOV-1355, PDFOV-7714, PDFOV-1719, PDE-21.

M.3 Evaluation and Source Selection Process

The evaluation of proposals submitted in response to this solicitation, and source selection, shall be conducted using a tradeoff process to obtain the best value to the Government. Proposals which are eligible for award will be subject to the Source Selection Tradeoff process, considering both the evaluation Factors and their relative order of importance as cited in Section M.1.1, to identify the proposal which represents the best value to the Government. The Government will weigh the evaluated proposals (other than the Total Evaluated Cost/Price (TEC/P) Factor) against the TEC/P to the Government. As part of the best value determination, the relative strengths, weaknesses, and risks of each offerors proposal will be considered, as specified below, in addition to the other evaluation methods described below, in selecting the offer that is most advantageous and represents the best value to the Government. The Government may choose not to award a contract where it concludes that no proposal exists with a reasonable probability of complying with contract terms and conditions.

Selection of the successful Offeror shall be made following an assessment of each proposal, based on the response to the information requested in Section L of this solicitation and against the solicitation requirements and the evaluation criteria described in Section M.

M.3.1 Importance of Total Evaluated Cost/Price (TEC/P)

Award will be made to the Offeror whose proposal is the most advantageous and represents the best value to the Government. This determination may result in award to other than the Offeror with the lowest TEC/P. However, the closer Offerors evaluations are in Factors, other than the TEC/P Factor, the more important TEC/P becomes in the decision. Notwithstanding the relative order of importance of the four evaluation Factors as stated, TEC/P may be the controlling Factor when:

(a) proposals are otherwise considered approximately equal in non-TEC/P factors; or
(b) an otherwise superior proposal is unaffordable; or
(c) the advantages of a higher rated, higher TEC/P proposal are not considered to be worth the TEC/P premium;

M.3.2 Affordability

The Government will review the Offerors Contract Cost/Price Proposal to verify the Offerors proposal is affordable. No proposal will be considered for award if unaffordable. Affordability will be calculated by Attachment 0070 based on (1) the Governments Available Funding (M.3.2.1) and (2) the Average Unit Manufacturing Cost (AUMC) (M.3.2.2). Failure to meet either of the Affordability requirements described in M.3.2.1 and M.3.2.2 below will render an offeror ineligible for award.

M.3.2.1 Available Funding

Proposed prices which result in exceeding any of the Then-Year Dollars (TY$) affordability limits identified in Attachment 0070 (Contract Cost/Price Worksheet) will be considered unaffordable and ineligible for award.

M.3.2.2 Average Unit Manufacturing Cost (AUMC)

A proposal containing an AUMC greater than $250,000 in Base-Year 2011 Dollars (BY11$) as calculated in Attachment 0070 will be considered unaffordable and ineligible for award. AUMC is defined as average cost to the Government to buy JLTV vehicle configurations. The unit manufacturing cost reflects the projected vehicle contract price for each JLTV configuration to include all direct and indirect cost. The unit manufacturing costs includes all overheads applicable to vehicle contract prices including General and Administrative (G&A), Cost of Money, and Profit. Non-recurring costs must be accounted for and may be amortized over the vehicle quantity buy. The recurring costs include the costs of material, labor, and other expenses incurred in the fabrication, checkout, and processing of parts, subassemblies, and major assemblies and subsystems needed for the final system. The manufacturing cost also includes recurring costs of subcontractors and purchased parts and equipment. The manufacturing cost further includes recurring costs of the efforts to integrate and assemble the various subassemblies into a working system, recurring costs to install special and general equipment, and recurring costs to paint and package the system for shipment to its acceptance destination. It also includes moves in

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order to assemble into a final system. This is the price of the vehicle rolling off the line in its basic configuration, including Baseline Integration Kit, before B-Kit armor or other kits, as defined in the JLTV Purchase Description (Attachment 0001) are added.

M.3.3 Source Selection Authority (SSA)

The SSA is the official designated to direct the source selection process and select the Offeror for contract award.

M.3.4 Source Selection Advisory Council (SSAC)

A Source Selection Advisory Council (SSAC) will provide a written comparative analysis of the proposals and an award recommendation for the SSA prior to the selection decision.

M.3.5 Source Selection Evaluation Board (SSEB)

An SSEB has been established by the Government to evaluate proposals in response to this solicitation. The SSEB is comprised of technically qualified individuals who have been selected to conduct an evaluation in accordance with the evaluation criteria listed for this solicitation. Careful, full, and impartial consideration will be given to all proposals received in response to this solicitation.

M.3.6 Determination of Responsibility

Per FAR 9.103, a contract will be placed only with an Offeror that the Contracting Officer determines to be responsible. A prospective Offeror, in order to be eligible for award for this acquisition, must be able to demonstrate it meets the standards of responsibility set forth in FAR 9.104. As a part of this determination, the Contracting Officer may utilize the Offeror's proposed prices, as well as other information, to determine if the prospective contractor has adequate financial resources to perform the contract. The Government reserves the right to conduct a Pre-Award Survey on any or all Offeror(s) or its subcontractors to aid the Contracting Officer in the evaluation of each Offeror's proposal and ensure a selected Offeror is responsible.

Additional requirements of responsibility for this contract are the necessary Defense Security Service (DSS) Facility Clearances (See L.4.5.3)

No award can be made to an Offeror who has been determined to be not responsible by the Contracting Officer.

To verify an Offeror meets the responsibility criteria at FAR 9.104, the Government reserves the right to request additional information, to include, but not limited to the following:

(a) arrange a visit to the offeror(s) plant and perform a necessary Pre-Award Survey, or

(b) request an Offeror provide financial, technical, production, or managerial background information. If the requested information is not submitted within seven working days from the date of the receipt of the request, or if an Offeror refuses to provide the Government access to its facility, the Government may determine the Offeror to be non-responsible. If the Government visits the Offeror's facility, the offeror shall ensure current data relevant to the proposal is available for Government personnel to review.

M.3.7 Consistency

The Government may conduct a crosswalk between the Offerors proposal volumes to assess whether the Offeror submits consistent proposal information as required by L.2.9. Any inconsistency between proposal volumes, which indicates the offeror has an inherent misunderstanding of the requirements or an inability to perform the resultant contract, may result in an offeror being determined ineligible for award or being assessed with increased risk in the Primary Technical, or Small Business Participation Factors.

M.4 Evaluation Factors

There are three evaluation Factors:

(a) Volume 1: Factor 1 Primary Technical (M.4.1);
(b) Volume 2: Factor 2 Total Evaluated Cost/Price (TEC/P) (M.4.2);
(c) Volume 3: Factor 3 Small Business Participation (M.4.3);

M.4.1 Primary Technical Factor

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The Primary Technical Factor will assess the proposal risk that the Offerors JLTV will achieve the Governments defined threshold performance levels for each PD requirement identified in Attachment 0061 (Primary Technical Performance Requirements List). Each PD requirement identified in Attachment 0061 is weighted equally and will be evaluated as such. The risk assessment of each requirement will consider the proposed performance of the JLTV Family of Vehicles (FoV), in accordance with PD definitions and requirements, including definitions PDFOV-875 and PDFOV-942.

Government test data which establishes conformance to the proposed design configuration represents the most credible form of substantiating data. Therefore, any substantiating data for a design configuration which meaningfully varies from the offered design configuration may be considered less credible. The greater the extent to which the Offerors proposed design configuration meaningfully varies from the originally tested configuration or testing conducted under different conditions, the greater the probability that the Government may discount the relevance of the test data as substantiating information. Substantiating data other than government test data will be considered less credible.

Since the Government will only assess risk under the Primary Technical Factor, the Government will not identify "strengths" and "weaknesses" when evaluating proposals, however the Government is committed to engaging in meaningful discussions with offerors and will apprise offerors of areas where their proposal demonstrates deficiencies or appreciable increased risk associated with meeting the technical requirements, in order to be consistent with FAR 15.306(d)(3).

M.4.1.1 System Description, 3D CAD Model, Specification Sheets, Substantiating Data, and Vehicle Configuration Tracking

The Government will review the proposal data and information required in Section L under the Primary Technical Factor to conduct its Primary Technical evaluation of the Offerors proposal. The Government reserves the right to utilize Government Test Data not provided in the Offerors proposal in addition to the substantiating data provided in the Offerors proposal in the evaluation of the offerors primary technical factor. Offerors shall not assume data submitted for the Primary Technical Factor will be considered for the other Factors of the proposal. However, the Government reserves the right to utilize this data in other areas of the evaluation at its sole discretion. The system description is one of the pieces of information that may be used to assess consistency per M.3.7.

M.4.1.2 Exceeding Threshold Performance

Offerors proposing performance beyond the Government defined threshold performance levels identified in Attachment 0061 (Primary Technical Performance Requirements List) that is supported by credible substantiating data may be assessed at a reduced risk of achieving the threshold performance level.

M.4.1.3 Proposing Below Threshold Performance

No proposal, no matter how highly rated under the other Factors, will be considered for award if the Offerors proposed level of performance for any of the PD requirement identified in Attachment 0061 (Primary Technical Performance Requirements List) is below the requirements threshold value.

M.4.1.4 Use of Proposed Secondary Technical Requirements In Primary Technical Risk Evaluation

While risk will not be assessed or evaluated within the Secondary Technical Adjustment, the Offeror's proposed PD performance under the Secondary Technical Adjustment may be considered in the risk assessment under the Primary Technical Factor evaluation as described in M.4.2.6.

M.4.1.5 Unsubstantiated Technical Commitments

Proposed performance in the Primary Technical Factor, including proposed performance above the threshold requirement, which is not supported by credible substantiating data may be assessed as an Unsubstantiated Technical Commitment and the Offerors proposal may be rejected in accordance with Section M.2(i).

M.4.2 Total Evaluated Cost/Price (TEC/P) Factor

The Government will evaluate Offerors for award by summing the Evaluated Contract Cost/Price to the Government as detailed in Sections M.4.2.2 through M.4.2.6 below. The TEC/P is equal to the Offerors Evaluated Contract Cost/Price as defined by Section M.4.2.2 modified by the Life Cycle Cost Adjustment, Technical Data Package Adjustment, Tier 1 Objective Requirements Adjustment, and Secondary Technical Adjustment.

TEC/P = Evaluated Contract Cost/Price (M.4.2.2) - LCC Adjustment (M.4.2.3) - TDP Adjustment (M.4.2.4) - Tier 1 Objective Requirement Adjustment (M.4.2.5) - Secondary Technical Adjustment (M.4.2.6).

The Total Evaluated Cost/Price may differ from an Offerors Proposed Contract Cost/Price. The Total Evaluated Cost/Price, rather than the Offerors Proposed Contract Cost/Price, will be used in the trade-off evaluation to determine best value.

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M.4.2.1 Reserved

M.4.2.2 Evaluated Contract Cost/Price

The Contract Cost/Price evaluation will consider the information submitted in response to Section L.4.2.1 including the top-level spreadsheets. The evaluation of the Offerors Proposed Contract Cost/Price will include consideration of the reasonableness of the proposed Firm Fixed Priced and Cost Reimbursement CLINs, and the realism of the Cost Reimbursement CLINs. For Cost Reimbursement CLINs, the Cost Realism assessment will be used to determine the most probable cost to the Government.

The Evaluated Contract Cost/Price will consist of the Contract Cost/Price per M.4.2.2.3 and include any cost realism adjustments (per M.4.2.2.2). This amount will then be converted from Then-Year Dollars (TY$) to Base-Year FY2011 Dollars (BY11$) in accordance with M.4.2.2.5. The resulting amount in BY11$ is the Evaluated Contract Cost/Price to be used for calculating TEC/P.

M.4.2.2.1 Cost/Price Reasonableness

The Government shall evaluate whether or not the Offerors proposed costs and prices are reasonable in accordance with the definition in FAR 15.404-1 and 31.201-3. A price or cost is reasonable if, in its nature and amount, it does not exceed that which would be incurred by a prudent person in the conduct of competitive business. The Government may make a determination of reasonableness by any means allowable under FAR 15.404-1.

M.4.2.2.2 Cost Realism

The Government shall evaluate realism by independently reviewing and evaluating the specific elements of the Offeror's proposed cost estimates to determine whether the estimated proposed cost elements are realistic for the work to be performed; reflect a clear understanding of the requirements; and are consistent with the unique methods of performance and materials described in the Offerors technical proposal. In the event the Offeror proposes any cost decrements as described in L.4.2.1.4.10, the Government may consider the realism of such decrements in its assessment.

The result of the realism evaluation for the Cost Reimbursement CLINs will be a determination of the most probable cost to the Government (which consists of cost and fee) for performance by the Offeror. The most probable cost will be determined by adjusting the Offeror's proposed cost in TY$ to reflect any additions or reductions to cost elements to realistic levels based on the results of the cost realism analysis. Any cost realism adjustments will be applied at the sub-CLIN level and will be converted to BY11$ on the same basis as specified for those sub-CLINs in Attachment 0070.

M.4.2.2.3 Contract Cost/Price

The Contract Cost/Price will consist of the sum of the evaluated prices for each sub-CLIN found in Attachment 0070. The Cost Reimbursement CLINs are subject to a cost realism adjustment in accordance with M.4.2.2.2 for evaluation purposes.

M.4.2.2.3.1 Weighted Average Unit Price

For CLINs with range pricing, the Government will calculate a weighted average unit price for each CLIN by first multiplying the unit prices proposed for each quantity range by the weighting percentages as stated in Attachment 0070. Weighted average unit prices will be the summation of the proposed unit prices for each range multiplied by the weighting percentages. The total evaluated price of each such CLIN will be based on multiplying the weighted average unit price by the estimated CLIN quantities as stated in Attachment 0070.

M.4.2.2.3.2 Unbalanced Pricing

Offerors should note that pricing will be carefully reviewed to detect proposals that are unbalanced in accordance with Clause 52.215-1(f)(8) as well as between quantity ranges (i.e. one or more ranges have pricing that is significantly over or understated as indicated by the application of cost or price analysis techniques) and option periods. Unbalanced offers may be determined unacceptable. See FAR 15.404-1(g) for more information on unbalanced offers.

M.4.2.2.4 Evaluated TDP Prices

If the Offeror elects to propose a TDP in response to L.4.2.3 it shall propose a price for each option period. The Offeror may propose a different TDP price for each option period in TY$. The evaluated TDP price included in the Evaluated Contract Cost/Price will equal the highest proposed BY$11 price per the calculation in Attachment 0070.

M.4.2.2.5 Then-Year Dollars (TY$) to Base-Year FY2011 Dollars (BY11$) Conversion

For the purposes of calculating the TEC/P, the Offerors Proposed Contract Costs/Prices will be converted from TY$ to BY11$. This conversion removes the effects of inflation on the Offerors Proposed Contract Costs/Prices and is required to calculate the TEC/P as detailed in Sections M.4.2 through M.4.2.5. The conversion will be automatically calculated by Attachment 0070.

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M.4.2.2.6 Verification

Defense Contract Audit Agency (DCAA) and Defense Contract Management Agency (DCMA) may be requested to verify rates and projections. The Government may use other resources in the evaluation of the Offerors Proposed Cost/Price.

M.4.2.3 Life Cycle Cost (LCC) Adjustment

The Life Cycle Cost (LCC) Adjustment evaluates the information submitted in response to section L.4.2.2 to assess the Governments anticipated cost avoidance based on the degree to which the Offerors proposed design reduces the Governments Operations and Sustainment costs for consumable and reparable parts, and fuel necessary to sustain and operate the Offerors proposed vehicles. This adjustment is automatically calculated by Attachment 0071 (LCC Adjustment Calculator) based on the Offerors proposed Operating Fuel Efficiency (PDFOV-3388), Idle Fuel Consumption Rate (PDFOV-8192), Mean Miles Between Hardware Mission Failure (PDFOV-2909), Vehicle Prices, and Contractor Furnished Equipment Kit Prices. The LCC Adjustment calculated by Attachment 0071 (LCC Adjustment Calculator) will be subtracted from the Offerors Evaluated Contract Cost/Price as part of the TEC/P calculation to credit the Offeror for potential future savings the Government may realize due to decreased Operations and Support costs.

Proposed LCC inputs in Attachment 0071 and Attachment 0080 will not be evaluated for risk under the LCC Adjustment evaluation. However, for the selected Offeror, the levels of performance proposed by the Offeror in Attachment 0080 will be incorporated into the contractually binding Purchase Description as the threshold requirement.

M.4.2.4 Technical Data Package (TDP) Adjustment

The TDP Adjustment will evaluate information submitted in response to Section L.4.2.3.1 to assess the Governments anticipated future savings based on the degree to which the Offerors proposed data rights support future full and open competitive acquisitions. The resulting TDP adjustment will be subtracted from the Offerors Evaluated Contract Cost/Price as part of the TEC/P calculation to credit the Offeror for future savings the Government may realize during future competitions through use of a competitive TDP.

The information submitted in response to Section L.4.2.3.1.2 (Attachment 0072 Part 2) will not be evaluated as part of the TDP Adjustment; however it will be incorporated as an attachment in Section J of the resulting contract. If the TDP Option is exercised, the information provided in Part 2 of Attachment 0072 will be added to the Assertion of Restrictions submitted in response to L.4.6.4 and DFARS 252.227-7017.

M.4.2.4.1 Technical Data Package (TDP) Adjustment Formula

The TDP Adjustment will be calculated in accordance with one of the two scenarios described below. In both scenarios the Offerors Highest Proposed TDP Price is defined in M.4.2.2.4. The TDP Adjustment will be in BY11$.

Scenario One: If the Offerors Highest Proposed TDP Price is greater than or equal to $511,000,000 (BY11$), the TDP Adjustment will equal the Offerors Highest Proposed TDP Price.

Scenario Two: If the Offerors Highest Proposed TDP Price is less than $511,000,000 (BY11$), the TDP Adjustment will equal X + ((Z - X) * Y) where:

X = Offerors Highest Proposed TDP Price
Y = Competitive Utility Multiplier (See M.4.2.4.1.3)
Z = Government Baseline Savings (see M.4.2.4.1.2)

NOTE: The effective TDP Adjustment Formula for Scenario Two = (Z - X) * Y. The equation shown above removes the evaluated TDP price from the Contract Cost/Price before applying the TDP Adjustment.

M.4.2.4.1.1 Proposed TDP Price

The Offerors proposed TDP price will be evaluated as part of the Evaluated Contract Cost/Price calculated under M.4.2.2. The TDP adjustment conducted in accordance with M.4.2.4 will not be considered in the Evaluated Contract Cost/Price calculated under M.4.2.2. However, the Offerors proposed TDP price (BY11$) is subtracted from the Total Evaluated Cost/Price as part of the TEC/P equation described in M.4.2.

M.4.2.4.1.2 Government Baseline Savings

The Governments baseline savings is $511,000,000 BY11$. This baseline savings represents the savings the Government expects to yield if the Offerors proposed TDP supports future full and open competitive acquisitions. The baseline savings is calculated as a five percent savings on the Governments anticipated future acquisitions. In the event the Offerors TDP Proposed Price is greater than or equal to $511,000,000 (BY11$), the TDP Adjustment will equal the Offerors proposed TDP price as the Government will not expect to yield any

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savings and therefore the Government will not benefit from any increased competitive utility.

M.4.2.4.1.3 Competitive Utility Multiplier

The competitive utility multiplier represents an assessment of the capability of the Government to utilize the proposed TDP for future competition (i.e., Competitive Utility), and will be applied based on the evaluation of Attachment 0072 Part 1 (TDP BOM). The Government will not perform a risk assessment as part of the Competitive Utility Multiplier evaluation. The evaluation will take into account the quantity of components which the Offeror identifies as OEM Source Controlled, the specific components which the Offeror proposes to be OEM Source Controlled and the impact of those components to competitive utility and future competitive procurements. In general, Source Controlled components are considered less advantageous to the Government and competitive rights components (Government Purpose or Unlimited Rights) are considered more advantageous to the Government. Proposing a TDP with significant quantities of OEM Source Controlled components, or with key vehicle components identified as OEM Source Controlled, generally will result in a lower competitive utility multiplier due to the additional reverse engineering and/or qualification testing necessary to attain secondary sources to support competition, which results in degraded competitive utility. There are four possible competitive utility multipliers: 0.00, 0.33, 0.67, and 1.00. Descriptions of each multiplier are as follows:

(a) 0.00 Multiplier: Represents a proposed TDP that has significantly degraded to no competitive utility due to any of the following criteria:

* The Offeror declines to propose a TDP.
* The proposed TDP features significant quantities of OEM Source Controlled components which would require significant reverse engineering and/or qualification testing for secondary sources to permit future competition.
* The proposed TDP features significant quantities of key vehicle components as OEM Source Controlled which would require significant reverse engineering and/or qualification testing for secondary sources to permit future competition.

(b) 0.33 Multiplier: Represents a proposed TDP that has moderately degraded competitive utility due to any of the following criteria:

* The proposed TDP features moderate quantities of OEM Source Controlled components which would require moderate reverse engineering and/or qualification testing for secondary sources to permit future competition when purchased.
* The proposed TDP features moderate quantities of key vehicle components as OEM Source Controlled which would require moderate reverse engineering and/or qualification testing for secondary sources to permit future competition when purchased.

(c) 0.67 Multiplier: Represents a proposed TDP that has slightly degraded competitive utility due to any of the following criteria:

* The proposed TDP features limited quantities of OEM Source Controlled components which would require limited reverse engineering and/or qualification testing for secondary sources to permit future competition when purchased.
* The proposed TDP features limited quantities of key vehicle components as OEM Source Controlled which would require limited reverse engineering and/or qualification testing for secondary sources to permit future competition when purchased.

(d) 1.00 Multiplier: Represents a proposed TDP that has full competitive utility due to the following criteria:

* The proposed TDP features no OEM Source Controlled components, which as a result would not require any reverse engineering and/or qualification testing for secondary sources, and thus would immediately permit future competition when purchased.

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M.4.2.4.2 Declining to Propose Data Rights

An Offeror declining to propose an option for the Government to acquire rights in technical data greater than the rights to which the Government is already entitled, i.e., declining to provide an option to give the Government rights to support competition, will not receive a TDP adjustment. In accordance with 10 USC 2320 and DFARS 227.7103-1 Offerors are not required, either as a condition of being responsive to a solicitation or as a condition for award, to sell or otherwise relinquish to the Government any rights in technical data related to items, components or processes developed exclusively at private expense. An Offeror that does not propose to sell or otherwise relinquish any rights in technical data related to items, components or process developed exclusively at private expense will still be considered responsive.

M.4.2.5 Tier 1 Objective Requirements Adjustment

The Tier 1 Objective Requirement Adjustment will give credit, in the form of a TEC/P downward adjustment, to assess the value of the increased capability associated with the Offerors proposed performance above threshold levels identified in Attachment 0078 (Tier 1 Objective Requirements Adjustment). The total Tier 1 Objective Requirement Adjustment will be the sum of the adjustment for each requirement, and will be subtracted from the Offerors Evaluated Contract Cost/Price as part of the TEC/P calculation to credit the Offeror for the increased technical value associated with meeting a Tier 1 Objective Requirement.

Each Tier 1 Objective requirement is eligible for an equal amount of credit. The Government will give full credit for a requirement to which the Offeror proposes full compliance. For performance between threshold and objective, the value of the objective adjustment for each requirement is defined in Attachment 0078 (Tier 1 Objective Requirements Adjustment Scales). For the four survivability objectives identified in Attachment, 0078, (Tier 1 Objective Requirements Adjustment Scales) no partial credit will be given, these requirements are either met or not met at the objective level. Proposed performance above the Objective will receive no additional credit.

For the selected Offeror, the levels of performance proposed by the Offeror will be incorporated into the contractually binding Purchase Description as threshold requirements.

M.4.2.6 Secondary Technical Adjustment

The Secondary Technical Adjustment will, in the form of a TEC/P adjustment, assess the value of the proposed vehicle compliance with JLTV requirements contained within Tiers 2-5 of the PD. The Secondary Technical Adjustment will be calculated by Attachment 0074 (Requirements Compliance Matrix) based on the number of points accumulated for the PD requirements the Offeror proposes compliances to. Points will be awarded for each compliance claimed by the Offeror in Attachment 0074 based on the relative priority of the requirement Tier. The Offeror will only receive points for full compliance to the requirement; no points will be assigned for partial compliance. The point values by Tier are as follows:

Tier 2 12 points per requirement;
Tier 3 6 points per requirement;
Tier 4 4 points per requirement;
Tier 5 1 point per requirement;

Attachment 0074 will calculate a TEC/P adjustment based on the total number of points accumulated for the proposed requirement compliances in comparison to the Governments target point value as identified in Attachment 0074. Attachment 0074 will calculate the total number of points by adding together all points accumulated for the Offerors requirements compliances. Point totals above the Government target are considered more advantageous to the Government and will result in a downward adjustment to the Offerors TEC/P calculation as calculated in Attachment 0074. Point totals below the Government target are considered less advantageous to the Government and will result in an upward adjustment to the Offerors TEC/P calculation as calculated in Attachment 0074. Point totals equal to the Government target will result in a $0 adjustment to the Offerors TEC/P calculation.

Proposed performance will not be evaluated for risk under the Secondary Technical Adjustment. However, for the selected Offeror, each compliance the Offeror identifies in Attachment 0074 (Requirements Compliance Matrix) will be incorporated into the contractually binding Purchase Description as Threshold requirements.

While risk will not be assessed or evaluated for Secondary Technical Adjustment requirements, proposed performance under the Secondary Technical Adjustment may influence the risk of performance under the Primary Technical Factor.

Each threshold non-compliance identified by the Offeror in Attachment 0074 will be incorporated into Attachment 0087 upon contract award. In accordance with H.2, PQT results will be utilized to establish a production baseline. For those requirements incorporated into Attachment 0087, the level of performance that is demonstrated at PQT will become part of the production baseline and added into Attachment 0001 via a contract modification at no additional cost to the government.

The Offeror must propose to be compliant to requirements PDFOV-3511, PDFOV-8194, PDFOV-7640, PDFOV-7643, PDFOV-2579, PDFOV-2581, PDFOV-1224, PDFOV-2653, PDFOV-1003, PDFOV-3328, PDFOV-6548, PDFOV-1355, PDFOV-7714, PDFOV-1719, PDE-21.

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M.4.3 Small Business Participation Factor

The Government will evaluate the Offeror's proposed extent of Small Business Participation in the performance of the contract for the Small Business categories listed in Section M.4.3.1 below. The offerors extent of small business participation will be calculated using Dollars for portion of work to be performed by Small Business Prime plus Dollars for portion of work to be performed by First Tier Small Business Subcontractors divided by Total Contract Amount to obtain a percentage. Therefore, if the Offeror is itself a U.S. small business concern under the North American Industry Classification System (NAICS) code applicable to this solicitation (to include U.S. small business concerns who are proposing as part of a joint venture or teaming arrangement), the Government will consider the Offerors own portion of the work to be performed as Small Business Participation for purposes of this evaluation.

M.4.3.1 Small Business Participation Evaluation

The evaluation will consist of the following based on the Offerors proposed Small Business Participation Workbook (Attachment 0076) and any other information submitted in response to L.4.3:

(a) The extent to which the proposal identifies participation by U.S. small business concerns to achieve the Government's goals for U.S. small businesses (SBs) in the categories listed below and expressed as percentage of Total Contract Amount. The term Total Contract Amount is defined for evaluation purposes as total proposed amount for the base award and all of the Option CLINs.

15% for Small Business (SB)
2% for Small Disadvantaged Business (SDB)

2% for Woman Owned Small Business (WOSB)
1.2% for Historically Underutilized Business Zone Small Business (HubZone SB)
1.2% for Veteran Owned Small Business (VOSB)
1.2% for Service Disabled Veteran Owned Small Business (SDVOSB)

(b) An assessment of the proposal risk probability that the Offeror will achieve the levels of Small Business Participation identified in the proposal. The assessment of probability or risk is against the Offeror's proposed goal and not the Government's goals listed above for this Request for Proposal. If the Offeror is awarded the contract, the Offeror's proposed goals will be incorporated into the contract and will be the goals against which performance will be measured.

(c) If the awardee is an other than a small business:

(1) the proposed dollar values identified for the Small Business Participation Proposal goals will be assessed for consistency with the proposed dollar values identified for the Small Business Subcontracting Plan goals.

(2) the proposed goals will be incorporated via the Small Business Subcontracting Plan goals, which shall be consistent with the goals proposed for the Small Business Participation Factor.

*** END OF NARRATIVE M0001 ***

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