

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

1. Contract ID Code  
Cost Plus Fixed Fee

Page 1 Of 53

2. Amendment/Modification No. P00001	3. Effective Date 2014MAY16	4. Requisition/Purchase Req No. SEE SCHEDULE	5. Project No. (If applicable)
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6. Issued By U.S. ARMY CONTRACTING COMMAND LISA M. DURBIN WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL  EMAIL: LISA.M.DURBIN@US.ARMY.MIL	Code W56HZV	7. Administered By (If other than Item 6) DCMA AMERICAS (CANADA) 275 BANK STREET, SUITE 200 OTTAWA, ONTARIO K2P 2L6	Code SCN01A
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8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)  CANADIAN COMMERCIAL CORPORATION 50 OCONNOR STREET SUITE 1100 OTTAWA, CA CANADA K1A 0S6	<input type="checkbox"/>	9A. Amendment Of Solicitation No.
	<input type="checkbox"/>	9B. Dated (See Item 11)
	<input checked="" type="checkbox"/>	10A. Modification Of Contract/Order No. W56HZV-13-C-0231
	<input type="checkbox"/>	10B. Dated (See Item 13) 2013JUN24
Code 98247	Facility Code	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers  
 is extended,  is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:  
 (a) By completing items 8 and 15, and returning \_\_\_\_\_ copies of the amendments; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. Accounting And Appropriation Data (If required)**

SEE SECTION G (IF APPLICABLE)

**13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS  
It Modifies The Contract/Order No. As Described In Item 14.**

<input type="checkbox"/>	A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A.	The Changes Set Forth In Item 14 Are Made In
<input type="checkbox"/>	B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).	
<input checked="" type="checkbox"/>	C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:	FAR 43.103(a)
<input type="checkbox"/>	D. Other (Specify type of modification and authority)	

**E. IMPORTANT:** Contractor  is not,  is required to sign this document and return \_\_\_\_\_ copies to the Issuing Office.

**14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

SEE SECOND PAGE FOR DESCRIPTION

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print)	16A. Name And Title Of Contracting Officer (Type or print) MEGHAN J. CUSTER MEGHAN.J.CUSTER@US.ARMY.MIL (586)282-9164		
15B. Contractor/Offendor  _____ (Signature of person authorized to sign)	15C. Date Signed	16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)	16C. Date Signed 2014MAY16

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 2 of 53**

PIIN/SIIN W56HZV-13-C-0231

MOD/AMD P00001

**Name of Offeror or Contractor:** CANADIAN COMMERCIAL CORPORATION

## SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: LISA M. DURBIN  
Buyer Office Symbol/Telephone Number: CCTA-AIM-A/(586)282-9164  
Type of Contract: Cost Plus Fixed Fee  
Kind of Contract: Research and Development Contracts  
Type of Business: Large Business Performing in U.S.  
Surveillance Criticality Designator: C  
Weapon System: No Identified Army Weapons Systems

\*\*\* End of Narrative A0000 \*\*\*

## MODIFICATION P00001

1) This Modification P00001 to Contract W56HZV-13-C-0231 is being issued as a bilateral modifications (Modifications P00002 and P00003 were awarded prior to Modification P00001).

2) The purpose of this Modification is to:

- a) Add the MOB Kit development and integration effort into this contract.
- b) Add Sections B.1 through B.4
- c) Add Sections C.1 through C.8.5
- d) Add Sections D.1 through D.2.1
- e) Add Sections E.1 through E.4
- f) Add Section H.2
- g) Add/change the following Attachments in Section J:

1) Attachment 0001, Hazardous Materials List & MSDS, is renumbered to Attachment 0007, and new Attachment 0001, Performance Specification, is added.

2) Attachment 0002, Assertion of Intellectual Property Restrictions, is renumbered to Attachment 0008, and new Attachment 0002, GFP List, is added.

3) Attachment 0003, RFD List, is renumbered to Attachment 0009, and new Attachment 0003, DD254, is added.

4) Attachment 0004, Technical Publication Delivery Schedule, is added.

5) Attachment 0005, IUID Implementation Plan, is added.

6) Attachment 0006, MILSTD31000 Worksheets, is added.

h) Establish the following CLINS:

1) CLIN 0003, MOB Kit Long Lead Material Fee Only, is added at a quantity of one Lot in the amount of \$180,442.29. This CLIN is for the Fixed Fee Only portion of the Long Lead Material under CLINS 0001 and 0002, IAW Section H.1.

2) CLIN 0004AA, MOB Kit Development and Integration Effort. This CLIN is for information only and outlines the Total Estimated Cost for this effort that will be funded Incrementally. This CLIN does not include the Long Lead Material previously awarded under CLINS 0001, 0002, and under this modification as CLIN 0003.

3) SLIN 0004AB, MOB Kit Development and Integration Effort Incremental funding CLIN, is added at a quantity of one Lot in the amount of \$15,474,361.77. This CLIN provides funding as outlined in CLIN 0004AA.

4) SLIN 0004AC, MOB Kit Development and Integration Effort Incremental funding CLIN, is added at a quantity of one Lot in the amount of \$10,845,195.94. This CLIN provides funding as outlined in CLIN 0004AA.

5) SLIN 1001AA, MOB Kit Integrated into the LAV-25, is added at a quantity of three Kits as Not Separately Priced (NSP).

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 3 of 53****PIIN/SIIN** W56HZV-13-C-0231**MOD/AMD** P00001**Name of Offeror or Contractor:** CANADIAN COMMERCIAL CORPORATION

6) SLIN 1001AB, MOB Kit Integrated into the LAV-L, is added at a quantity of one Kits as NSP.

7) SLIN 1001AC, MOB Kit Integrated into the LAV-M, is added at a quantity of one Kit as NSP.

8) SLIN 1001AD, MOB Kit Integrated into the LAV-AT, is added at a quantity of one Kit as NSP.

9) SLIN 1001AE, MOB Kit Integrated into the LAV-R, is added at a quantity of one Kit as NSP.

10) SLIN 9997AA, VADS-O, is added at a quantity of one Lot as NSP.

11) SLIN 9998AA, Contract Data Requirements List (CDRL), is added at a quantity of one Lot as NSP.

12) SLIN 9999AA, Contractor Manpower Reporting, is added at a quantity of one Lot as NSP.

i) Add fixed fee for the Long Lead Material awarded under the base contract award as initially contemplated at the inception of the contract. The following part numbers were included in that award:

1) (13) Powerpack, P/N 10682793-011

2) (11) Transfer Case Assembly, P/N 10699522-001PW

Fixed Fee Only is funded under CLIN 0003, as described above.

3) Incorporated CDRLs A001 through A045.

4) As a result of this modification, the total obligated amount is increased by \$26,500,000.00 from \$1,804,422.90, to \$28,304,422.90.

5) Except as specifically stated within, all other contract terms and conditions remain unchanged and in full force and effect.

6) This modification represents complete equitable adjustment for the changes herein. The contractor hereby releases the Government from any and all liability under this contract for equitable adjustments beyond the terms set forth herein.

\*\*\* END OF NARRATIVE A0002 \*\*\*

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MOD/AMD P00001

**Name of Offeror or Contractor:** CANADIAN COMMERCIAL CORPORATION

## SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

## B.1 Funding

B.1.1 The Contracting officer will provide funds under this contract covering the estimated cost on an incremental basis as provided for in the following funding schedule and pursuant to the contract clause entitled 52.232-22 "Limitation of Funds". It is estimated that the incremental amounts are sufficient for the performance of work in each of the cited periods. The Government may, at its discretion, allot such funds on an incremental basis within each fiscal year. The contractor shall plan and execute the work required by this contract as to either expend or commit funds compatible with the schedule set forth below.

3Q FY14 \$26,500,000.00  
 2Q FY15 \$ 9,345,788.00  
 2Q FY16 \$11,879,000.00  
 2Q FY17 \$ 4,567,000.00

\*\*\* END OF NARRATIVE B0001 \*\*\*

## B.2 TOTAL ESTIMATED COST FOR MOB KIT DEVELOPMENT AND INTEGRATION

B.2.1 The total estimated cost for the MOB Integration effort is:

Estimated Cost	\$49,178,373.00
Fixed Fee	\$ 4,917,837.00
Total Estimated Cost	\$54,096,210.00

This effort is funded under CLINs 0001, 0002, and new CLINs 0003, 0004AB, 0004AC, etc.

## B.3 FUNDING

<u>Modification</u>	<u>Contract</u>			<u>Contract</u>
	<u>Obligation</u>			<u>Value</u>
	Est Cost	Fixed Fee	Total	
Initial Award	\$ 1,804,422.90	\$ 0.00	\$ 1,804,422.90	\$ 1,804,422.90
Mod P00001/Fee only	\$ 0.00	\$ 180,442.29	\$ 180,442.29	\$ 1,984,865.19
Mod P00001/Cost&Fee	<del>\$23,926,870.65</del>	<del>\$ 2,392,687.06</del>	<del>\$ 26,319,557.71</del>	<del>\$ 28,304,422.90</del>
Total Obligated Amount	\$25,731,293.55	\$ 2,573,129.96	\$ 28,304,422.90	

## B.4 FUNDS ALLOTTED

The amount of funds currently allotted to this contract is \$28,304,422.90

\*\*\* END OF NARRATIVE B0002 \*\*\*

CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN W56HZV-13-C-0231 MOD/AMD P00001

Name of Offeror or Contractor: CANADIAN COMMERCIAL CORPORATION

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT									
0003	<p><u>MOB KIT LONG LEAD MATERIAL FEE ONLY</u></p> <p>SERVICE REQUESTED: LONG LEAD MATERIAL                      PSC: 2355                      CLIN CONTRACT TYPE:                      Firm Fixed Price</p> <p>PRON: T131T2924K PRON AMD: 02 ACRN: AC                      CUSTOMER ORDER NO: M9545014MPR3GJ4</p> <p>This CLIN is for the Fixed Fee only portion of the Long Lead Material funded on a Cost only basis under CLINs 0001 and 0002, IAW Section H.1. CLINs 0001 and 0002 were previously established on the base contract award Estimated Cost of \$1,804,422.90.</p> <p>The Fixed Fee associated with the Long Lead Material is being funded under this CLIN 0003 in the amount of \$180,442.29.</p> <p>Estimated Cost (CLIN 0001) \$ 1,532,103.84                      Estimated Cost (CLIN 0002) \$ 272,319.06                      Total Estimated Cost \$ 1,804,422.90                      Fixed Fee (CLIN 0003) \$ 180,442.29                      Total Estimated Cost for Long Lead Material \$ 1,984,865.19</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u></p> <table border="0"> <tr> <td>DLVR SCH</td> <td></td> <td>PERF COMPL</td> </tr> <tr> <td><u>REL CD</u></td> <td><u>QUANTITY</u></td> <td><u>DATE</u></td> </tr> <tr> <td>001</td> <td>1</td> <td>24-JUN-2014</td> </tr> </table> <p style="text-align: right;">\$ 180,442.29</p>	DLVR SCH		PERF COMPL	<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>	001	1	24-JUN-2014	1	LO		\$ 180,442.29
DLVR SCH		PERF COMPL												
<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>												
001	1	24-JUN-2014												

CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN W56HZV-13-C-0231 MOD/AMD P00001

Name of Offeror or Contractor: CANADIAN COMMERCIAL CORPORATION

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	MOB INTEGRATION				
0004AA	<p><u>MOB KIT DEVELOPEMENT AND INTEGRATION EFFORT</u></p> <p>SERVICE REQUESTED: MOB INTEGRATION                      CLIN CONTRACT TYPE:                      Cost Plus Fixed Fee                      PSC: 2355</p> <p>This CLIN is for informational purposes only. It represents the Total Estimated Cost for the MOB Kit Development and Integration Effort, not including the Long Lead Material funded under CLINS 0001, 0002, and 0003.</p> <p>This effort will be funded under SubCLINS 0004AB, 0004AC, etc.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u></p>			<p>Estimated Cost                      Fixed Fee                      Not to Exceed (Funding)</p>	<p>\$ 47,373,950.10                      \$ 4,737,395.01                      \$ 52,111,345.11</p>
0004AB	<p><u>INCREMENTAL FUNDING MOB KIT DEVELOPMENT AND INTEGRATION</u></p> <p>SERVICE REQUESTED: MOB INTEGRATION                      CLIN CONTRACT TYPE:                      Cost Plus Fixed Fee                      PRON: T131T2924K PRON AMD: 02 ACRN: AC                      PSC: 2355                      CUSTOMER ORDER NO: M9545014MPR3GJ4</p> <p>0004AB is an incremental funding SubCLIN in support of CLIN 0004AA.</p> <p>The contractor shall furnish all the supplies and services to accomplish the tasks specified in Section C: Description/Specifications/Work Statement.</p> <p>(End of narrative B001)</p>	1	LO	<p>Estimated Cost                      Fixed Fee                      Not to Exceed (Funding)</p>	<p>\$ 14,067,601.61                      \$ 1,406,760.16                      \$ 15,474,361.77</p>

CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN W56HZV-13-C-0231 MOD/AMD P00001

Name of Offeror or Contractor: CANADIAN COMMERCIAL CORPORATION

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<p><u>Inspection and Acceptance</u>                      INSPECTION: Destination      ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u>                      DLVR SCH      PERF COMPL  <u>REL CD</u>      <u>QUANTITY</u>      <u>DATE</u>                      001      1      30-MAY-2017</p> <p style="text-align: right;">\$ 15,474,361.77</p>				
0004AC	<p><u>INCREMENTAL FUNDING MOB KIT DEVELOPMENT AND INTEGRATION</u></p> <p style="text-align: right;">\$ 15,474,361.77</p> <p>SERVICE REQUESTED: MOB INTEGRATION                      CLIN CONTRACT TYPE:                      Cost Plus Fixed Fee                      PRON: T141T2814K      PRON AMD: 02      ACRN: AD                      PSC: 2355                      CUSTOMER ORDER NO: M9545014MPR4DC4</p> <p>0004AC is an incremental funding SubCLIN in support of CLIN 0004AA.</p> <p>The contractor shall furnish all the supplies and services to accomplish the tasks specified in Section C: Description/Specification/Work Statement.</p> <p style="text-align: center;">(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Destination      ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u>                      DLVR SCH      PERF COMPL  <u>REL CD</u>      <u>QUANTITY</u>      <u>DATE</u>                      001      1      30-MAY-2017</p> <p style="text-align: right;">\$ 10,845,195.94</p>	1	LO	Estimated Cost Fixed Fee Not to Exceed (Funding)	\$ 9,859,269.04 \$ 985,926.90 \$ 10,845,195.94
1001	INTEGRATED MOB KIT				
1001AA	<u>MOB KIT INTEGRATED INTO THE LAV-25</u>	3	KT	\$ ** NSP **	\$ ** NSP **

CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN W56HZV-13-C-0231 MOD/AMD P00001

Name of Offeror or Contractor: CANADIAN COMMERCIAL CORPORATION

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT																														
1001AB	<p>COMMODITY NAME: INTEGRATED MOB KIT                      CLIN CONTRACT TYPE:                      No Cost                      PSC: 2355</p> <p>This SLIN represents the contractor effort required for the installation of LAV-25 MOB kit into GFE vehilces C.1.4.</p> <p style="text-align: center;">(End of narrative B001)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u></p> <table border="0"> <tr> <td>DOC</td> <td colspan="2">SUPPL</td> <td></td> <td></td> </tr> <tr> <td><u>REL CD</u></td> <td><u>MILSTRIP</u></td> <td><u>ADDR</u></td> <td><u>SIG CD</u></td> <td><u>MARK FOR</u></td> </tr> <tr> <td>001</td> <td></td> <td></td> <td></td> <td>3</td> </tr> <tr> <td><u>DEL REL CD</u></td> <td><u>QUANTITY</u></td> <td><u>DEL DATE</u></td> <td></td> <td></td> </tr> <tr> <td>001</td> <td>2</td> <td>07-NOV-2015</td> <td></td> <td></td> </tr> <tr> <td>002</td> <td>1</td> <td>30-APR-2017</td> <td></td> <td></td> </tr> </table> <p>FOB POINT: Origin</p> <p>SHIP TO:                      (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.</p> <p><u>MOB KIT INTEGRATED INTO THE LAV-L</u></p>	DOC	SUPPL				<u>REL CD</u>	<u>MILSTRIP</u>	<u>ADDR</u>	<u>SIG CD</u>	<u>MARK FOR</u>	001				3	<u>DEL REL CD</u>	<u>QUANTITY</u>	<u>DEL DATE</u>			001	2	07-NOV-2015			002	1	30-APR-2017			1	KT	\$ ** NSP **	\$ ** NSP **
DOC	SUPPL																																		
<u>REL CD</u>	<u>MILSTRIP</u>	<u>ADDR</u>	<u>SIG CD</u>	<u>MARK FOR</u>																															
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<u>DEL REL CD</u>	<u>QUANTITY</u>	<u>DEL DATE</u>																																	
001	2	07-NOV-2015																																	
002	1	30-APR-2017																																	
	<p>COMMODITY NAME: INTEGRATED MOB KIT                      CLIN CONTRACT TYPE:                      No Cost                      PSC: 2355</p> <p>This SLIN represents the contractor effort required for the installation of the LAV-L MOB kit into GFE vehicle IAW C.1.4.</p> <p style="text-align: center;">(End of narrative B001)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Origin ACCEPTANCE: Origin</p>																																		

CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN W56HZV-13-C-0231 MOD/AMD P00001

Name of Offeror or Contractor: CANADIAN COMMERCIAL CORPORATION

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1001AC	<p><u>Deliveries or Performance</u>                      DOC SUPPL  <u>REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD</u>                      001 3  <u>DEL REL CD QUANTITY DEL DATE</u>                      001 1 07-NOV-2015</p> <p>FOB POINT: Origin</p> <p>SHIP TO:                      (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE                      (SHIP-TO) WILL BE FURNISHED PRIOR                      TO THE SCHEDULED DELIVERY DATE FOR                      ITEMS REQUIRED UNDER THIS                      REQUISITION.</p> <p><u>MOB KIT INTEGRATION INTO THE LAV-M</u></p> <p>COMMODITY NAME: INTEGRATED MOB KIT                      CLIN CONTRACT TYPE:                      No Cost                      PSC: 2355</p> <p>This SLIN represents the contractor effort required                      for the installation of the LAV-M MOB kit into GFE                      vehicle IAW C.1.4.</p> <p>(End of narrative B001)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u>                      DOC SUPPL  <u>REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD</u>                      001 3  <u>DEL REL CD QUANTITY DEL DATE</u>                      001 1 06-MAR-2016</p> <p>FOB POINT: Origin</p> <p>SHIP TO:                      (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE                      (SHIP-TO) WILL BE FURNISHED PRIOR                      TO THE SCHEDULED DELIVERY DATE FOR                      ITEMS REQUIRED UNDER THIS                      REQUISITION.</p>	1	KT	\$ ** NSP **	\$ ** NSP **

CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN W56HZV-13-C-0231 MOD/AMD P00001

Name of Offeror or Contractor: CANADIAN COMMERCIAL CORPORATION

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1001AD	<p><u>MOB KIT INTEGRATED INTO THE LAV-AT</u></p> <p>COMMODITY NAME: INTEGRATED MOB KIT                      CLIN CONTRACT TYPE:                      No Cost                      PSC: 2355</p> <p>This SLIN represents the contractor effort required for the installation of the LAV-AT MOB kit into GFE vehicle IAW C.1.4.</p> <p>(End of narrative B001)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u>                      DOC SUPPL  <u>REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD</u>                      001 3  <u>DEL REL CD QUANTITY DEL DATE</u>                      001 1 30-APR-2017</p> <p>FOB POINT: Origin</p> <p>SHIP TO:                      (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE (SHIP-TO) WILL BE FURNISHED PRIOR TO THE SCHEDULED DELIVERY DATE FOR ITEMS REQUIRED UNDER THIS REQUISITION.</p>	1	KT	\$ ** NSP **	\$ ** NSP **
1001AE	<p><u>MOB KIT INTEGRATION INTO THE LAV-R</u></p> <p>COMMODITY NAME: INTEGRATED MOB KIT                      CLIN CONTRACT TYPE:                      No Cost                      PSC: 2355</p> <p>This SLIN represents the contractor effort required for the installation of the LAV-R MOB kit into GFE vehicle IAW C.1.4.</p> <p>(End of narrative B001)</p> <p><u>Packaging and Marking</u></p>	1	KT	\$ ** NSP **	\$ ** NSP **

CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN W56HZV-13-C-0231 MOD/AMD P00001

Name of Offeror or Contractor: CANADIAN COMMERCIAL CORPORATION

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	<p><u>Inspection and Acceptance</u>                      INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u>                      DOC SUPPL                      REL CD MILSTRIP ADDR SIG CD MARK FOR TP CD                      001 3                      DEL REL CD QUANTITY DEL DATE                      001 1 30-APR-2017</p> <p>FOB POINT: Origin</p> <p>SHIP TO:                      (Y00000) SHIPPING INSTRUCTIONS FOR CONSIGNEE                      (SHIP-TO) WILL BE FURNISHED PRIOR                      TO THE SCHEDULED DELIVERY DATE FOR                      ITEMS REQUIRED UNDER THIS                      REQUISITION.</p>				
9997	VADS-O				
9997AA	<p><u>VADS-O</u></p> <p>SERVICE REQUESTED: VADS-O</p> <p>This CLIN represents the contractor effort required to update the VADS-O in accordance with section C.7.1.7.2.</p> <p>(End of narrative B001)</p>	1	LO		\$ ** NSP **
9998	<p><u>Inspection and Acceptance</u>                      INSPECTION: Origin ACCEPTANCE: Origin</p> <p><u>Deliveries or Performance</u>                      DLVR SCH PERF COMPL                      REL CD QUANTITY DATE                      001 1 07-NOV-2015</p> <p>CONTRACT DATA REQUIREMENTS LIST</p>				
9998AA	<u>CONTRACT DATA REQUIREMENTS LIST</u>	1	LO		\$ ** NSP **



**Name of Offeror or Contractor:** CANADIAN COMMERCIAL CORPORATION

## SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

## C.1 Scope

The purpose of this scope of work is to solve obsolescence and lost performance issues currently faced by the United States Marine Corps (USMC) Family of Light Armored Vehicles (FOLAV) utilizing proven and available material solutions. The contractor shall adapt and integrate a General Dynamics Land Systems - Canada (GDLS-C) Full-Up Power Pack (FUPP), Driveline, Steering, Suspension, and an electrical system.

Also included within this statement of work is the development and delivery of engineering and logistics data to support this integration. From henceforth, the integration of the above subsystems will be referred to as the MOB Integration and the resulting hardware will be referred to as the MOB Kit.

In performance of this contract, the contractor shall make the maximum use of existing data, including all forms of data provided by the Government or generated by the contractor under contracts W56ZHV-11-C-0076 including Work Directive 0015, W56HZV-10-C-0409, N00014-09-D-0019, and W56HZV-10-C-0077.

## C.1.1 MOB Hull

The MOB hull shall be defined as the upper and lower shells, welded together, with all hatches included.

## C.1.2 Vehicle Configurations for MOB Integration

The MOB Integration shall be developed for each of the following FOLAV-A2 variants; LAV-25, LAV-Logistics (L), LAV-Mortar (M), LAV-Recovery (R), LAV-Command and Control (CC), LAV-Electronic Warfare (EW), LAV-Anti-Tank (AT).

New Build vehicles are defined as USMC Serial Number 531XXX. Legacy vehicles are defined as all other USMC serial numbers.

## C.1.2.1 Special Mission Kit

The MOB Kit shall be designed to accommodate the space claim of the Casualty Evacuation Kit CEK, as provided in the GFP List, Attachment 0002.

## C.1.2.1.1 Underbelly Armor Kit

The Underbelly Armor Kit (D-Kit) mounts shall not be impacted by the integration of the MOB Kit.

## C.1.2.2 Variant Unique Configuration

The following technical data establishes the latest configuration for each of the variants listed below as provided in the GFP List, Attachment 0002.

- |              |  |
|--------------|--|
| 1. LAV-AT:   | LAV-AT Modernization (ATM)   |
| 2. LAV-RA2:  | LAV-R Upgrade  |
| 3. LAV-CCA2: | LAV-CC Upgrade   |
| 4. LAV-EW:   | GDLS-C LAV-CC New Build TDP plus Government modification technical data. |

## C.1.3 Additional ILS/TDP MOB Integration

The technical data for the LAV systems listed below, provided as GFI, reference Attachment 0002, shall be updated as a result of the MOB Integration. The changes required to these systems shall be included in the MOB Integrated Logistics Support (ILS) products and Technical Data Package (TDP).

- A. Ballistic Protection Upgrade Package (BPUP)
- B. MRV Fuel Tanks for the LAV-L, LAV-M, LAV-R, LAV-AT

## C.1.4 MOB Integration Subsystems

The contractor shall integrate the following systems into the USMC FOLAV seven variants. The contractor shall maximize integration commonality across all FOLAV variants and meet all requirements listed in the Performance Specification, Attachment 0001:

- A. Full-Up Power Pack (FUPP). The FUPP to be integrated shall be based on the Foreign Military Sales (FMS) GDLS Part Numbers (P/Ns) 10682739-011 and 10714150-011. Only the LAV-EW FUPP shall include an air conditioning kit based on FUPP P/N 10682739-011.
- B. Driveline System. The driveline system to be integrated shall be based on the GDLS P/N 10714607-011 that uses FMS two speed transfer case P/N 10699522-001 as a base.
- C. Steering System. The steering system to be integrated shall be based on the GDLS P/N 10714152-011.

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D. Suspension System. The suspension system to be integrated shall be based on GDLS P/N 10651100-011. The contractor shall integrate wheel ends, based on the GDLS-C Generation 3.0 system. The LAV shall have a driver controlled automatic Ride Height Management System (HMS) that shall include self-leveling capability.

E. Electrical System. The electrical system shall meet all requirements listed in the Performance Specification, Attachment 0001. The LAV electrical system shall include a redesigned Drivers Instrument Panel (DIP) with Controller Area Network (CAN) bus gages, HMS controls, a CAN bus based annunciator panel, and no associated Liquid Crystal Display (LCDs) screens. The LAV electrical system shall include the integration of the Moog slip ring, P/N CX7176.

#### C.1.5 Performance Specification

The contractor shall report its progress for meeting all Performance Specification Attachment 0001 requirements (including asterisked requirements) in accordance with CDRL A007.

##### C.1.5.1 Performance Specification Asterisked Requirements.

In cases where an asterisked requirement in the Performance Specification Attachment 0001 cannot be met in whole or in part as a result of a Government required component or system (outlined in C.1.4 MOB Integration Subsystems of the scope of work) the Contractor will not be held responsible to meet the Performance Specification requirement. However, the Government may decide to revise the scope to remove or redesign the Government required component or system outlined in C.1.4. As a result, the contractor shall be entitled to an equitable adjustment, to include fee, for the new effort required to meet the asterisked requirement.

In cases where the contractor does not meet an asterisked requirement in the Performance Specification, and it is determined the requirement was not met due to the integration of a Government required component or system outlined in C.1.4, the contractor shall be entitled to cost only reimbursement to meet the asterisked requirement.

#### C.1.6 MOB Kit ECPS

The contractor shall provide MOB Kit ECPS, to include integration, in accordance with CDRL A001 for each of the seven variants listed above to support USMC Production Plant installation and field support.

#### C.1.7 MOB Production Representative Vehicles

The Government will provide 7 LAVs, 21 differentials with shift cylinders PN 10651061-011PEG, and 7 differentials with rods PN 10651062-011PEG as Government Furnished Material (GFM) for MOB Integration.

The Contractor shall deliver 7 Production Representative Vehicles with MOB Kits installed on MOB Hulls.

#### C.2 Government Furnished Property (GFP)

##### C.2.1 Government Furnished Equipment (GFE) and Government Furnished Material (GFM)

The Government will provide the contractor with the GFE and GFM in accordance with the GFP List, Attachment 0002. Upon receipt of any GFE and GFM, the contractor shall submit a Receipt of Government Material Report in accordance with CDRL A003.

##### C.2.1.1 Limited Technical Inspection (LTI)

The contractor shall perform a vehicle acceptance LTI in accordance with Technical Manual TM-08594C-20/4, Chapter 2, GFP List, Attachment 0002, to include a joint inventory of Stock List (SL)-3 material at the contractors facility. The Government may participate in these inspections.

##### C.2.2 Discard Material List

The contractor shall deliver a Discard Material List of all vehicle components removed from each GFM Vehicle and not being reused in the integration of the MOB Kit in accordance with CDRL A004.

##### C.2.3 Government Furnished Information (GFI)

The Government will provide the contractor with GFI in accordance with the GFP List, Attachment 0002. The contractor shall acknowledge receipt of GFI within three business days of receipt via email to the Contracting Officers Representative (COR).

#### C.3 Integrated Master Schedule (IMS)

An IMS shall be delivered in accordance with CDRL A009.

#### C.4 Meetings, Formal Reviews, and Audits

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The contractor shall plan, host, attend, coordinate, support and conduct the meetings, formal reviews, and audits. The reviews shall be conducted via Defense Connect Online (DCO), teleconference, or face to face. All such reviews shall be included in the Integrated Master Schedule (IMS) in accordance with CDRL A009, and may be held concurrently with the Governments approval. The contractor shall consolidate meetings and reviews whenever practical to reduce administrative and travel cost. The contractor shall prepare and deliver agendas and meeting presentation materials in accordance with CDRL A005, and provide minutes and reports following each review in accordance with CDRL A006. The Government reserves the right to cancel any review or to require any review to be scheduled at critical points during the period of performance. Upon mutual agreement between the contractor and the Government, meetings and review dates may be accelerated after agenda and meeting presentation material is delivered.

#### C.4.1 Start of Work Meeting

The contractor shall host a Start of Work Meeting at the contractor's facility within 30 days after contract award. The purpose of the Start of Work Meeting is for the contractor and Government to review contract management processes, the contract requirements, program risk assessment, IMS in accordance with CDRL A009, Performance Specification and all other project requirements necessary to ensure contract compliance. The Start of Work Meeting, to include the ILS Start of Work Meeting (Reference C.4.4.1 of the scope of work), shall not exceed three, eight hour days.

#### C.4.2 In Process Reviews (IPRs)

The contractor shall host IPRs on a quarterly basis and shall be conducted via DCO. The contractors progress, management, integrated logistics support, assurance of compliance with contract requirements, program status, funding, problem identification and resolutions shall be agenda items. Actual versus expected performance of each area shall be addressed. The IPRs shall not exceed one, eight hour day.

#### C.4.3 Technical Reviews

##### C.4.3.1 System Requirements Review (SRR)

The contractor shall host and conduct, at its facility, a System Requirements Review (SRR) in order for the contractor and Government to assess the system requirements as captured in the Performance Specification to ensure they are understood and acceptable within the budget and schedule constraints. The SRR shall be conducted in conjunction with the program Start of Work meeting and shall take no longer than 8 hours.

##### C.4.3.1.1 SRR Entrance Criteria

The contractor shall ensure that the following entrance criteria have been met prior to conducting the SRR:

1. A preliminary agenda has been submitted in accordance with CDRL A005 prior to the SRR.
2. SRR technical products listed below for both hardware and software system elements have been made available to the cognizant SRR participants prior to the review:
  - a. Preliminary System specification (Performance Specification, Attachment 0001)
  - b. System software functionality description
  - c. Preferred system solution definition
  - d. Updated risk assessment
  - e. Draft SEP (Systems Engineering Plan)
  - f. Updated cost and schedule data
  - g. Updated logistics documentation
  - h. Updated Human Systems Integration related documentation
  - i. Draft Software Development Plan
  - j. System architecture (hardware, software, human, material as necessary)
3. All submittals to applicable CDRLs are accepted.

##### C.4.3.1.2 SRR Review Elements

The following is a list of elements that shall be included in the SRR:

1. Introduction / agenda / administrative
  - a. Purpose of review, including scope/boundaries of the review
  - b. Review of entrance criteria
  - c. Request for Actions (RFA) procedures overview
  - d. Program overview
  - e. Review of metrics used for Technical Management
2. Risk identification and risk ranking (the inter-relationship among system effectiveness analysis, technical performance measurement,

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intended manufacturing methods, and costs shall be discussed, as appropriate)

3. Risk avoidance/reduction and control (the inter-relationships with trade-off studies, test planning, hardware proofing, and technical performance measurement shall be discussed, as appropriate)
4. Significant trade-offs among stated system/subsystem specification requirements/constraints and resulting engineering design requirements/constraints, manufacturing methods/process constraints, and logistic/cost of ownership requirements/ constraints and unit production cost/design-to-cost objectives
5. Identifying computer resources of the system and partitioning the system into Hardware Configuration Items (HWCIs) and Computer Software Configuration Items (CSCIs).
6. Producibility and manufacturing considerations such as critical components, materials and processes, tooling and test equipment development, production testing methods, long lead items, and facilities/personnel/skills requirements
7. Significant hazard consideration to develop requirements and constraints to eliminate or control these system associated hazards
8. Information which the contractor identifies as being useful to its analysis and available through the contracting agency shall be requested prior to this review (e.g., prior studies, operational/support factors, cost factors, ESOH data, test plan(s), etc.

#### C.4.3.1.3 SRR Exit Criteria

The SRR is considered closed when the event has been completed, all the critical RFAs are closed, and the following exit criteria have been met:

- 1) Are the system requirements, as disclosed, traceable back to the Performance Specification, Attachment 0001?
- 2) Are adequate processes and metrics in place for the program to succeed?
- 3) Have Human Systems Integration requirements been reviewed and included in the overall system design?
- 4) Are the known risks manageable for design and development?
- 5) Is the preliminary design producible?
- 6) Is the program schedule executable (technical/cost risks)?
- 7) Is the program properly staffed?
- 8) Is the program executable within the existing budget?
- 9) Does the updated cost estimate fit within the existing budget?
- 10) Is the software functionality in the system specification consistent with the software sizing estimates and the resource-loaded schedule?
- 11) Were the proper independent subject matter experts at the review?

#### C.4.3.2 Preliminary Design Reviews (PDR)

The contractor shall conduct, at its facility, a PDR for each LAV variant to assess the variant-specific MOB system integration design. The contractor may include more than one variant in a PDR. The total duration of all the PDRs shall not exceed five, eight-hour working days. As part of the IMS in accordance with CDRL A009, the contractor shall include appropriate dates to conduct the PDRs.

##### C.4.3.2.1 PDR Entrance Criteria:

The contractor shall ensure that the following entrance criteria are addressed prior to conducting the PDR:

- (1) All SRR exit criteria have been satisfied and all SRR Critical RFAs have been closed
- (2) A preliminary agenda has been submitted in accordance with CDRL A005.
- (3) PDR technical products (hardware and software elements of the product baseline to be reviewed and approved at the PDR) have been made available to the PDR participants prior to the review.
- (4) PDR programmatic products have been updated and have been made available prior to the review or will be reviewed at the PDR, including:
  - a. Program risk assessment
  - b. Updated logistics documentation
  - c. Preliminary Human Systems Integration related documentation
  - d. Updated IMS
  - e. The estimated number of 3D models and 2D drawings that shall be included in the MOB Kit TDP
  - f. Current cost and schedule data
  - g. Preliminary Safety analysis
  - h. Current Indentured Bill of Materials (IBOMs)
  - i. Preliminary weight assessment of the MOB integration
  - j. Preliminary Reliability predictions based on USMC Operational Mode Summary/Mission Profile (OMS/MP)
- (5) All submittals to applicable CDRLs are accepted.

##### C.4.3.2.2 PDR Review Elements

The following is a list of elements that shall be included in the PDR:

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1. Introduction / agenda / administrative
  - a. Purpose of review, including scope/boundaries of the review
  - b. Review of entrance criteria
  - c. RFA procedures overview
  - d. Program overview
  - e. Review of metrics used for Technical Management
  - f. Review of risks currently being managed
2. All Configuration Items
  - a. Compliance of requirements of the preliminary design in the following areas:
    - i. Environment control and thermal design aspects
    - ii. Electromagnetic compatibility of the preliminary design
    - iii. Power distribution and grounding design aspects
    - iv. Preliminary mechanical and packaging design of consoles, racks, drawers, printed circuit boards, connectors, etc.
    - v. ESOH engineering considerations
    - vi. Survivability/Vulnerability considerations
    - vii. Preliminary lists of materials, parts, and processes
    - viii. Pertinent reliability/maintainability/availability data
    - ix. Preliminary weight data
    - x. Development (CVT) test data
    - xi. Support equipment requirements
    - xii. Corrosion prevention/control considerations
    - xiii. Transportability, packaging, and handling considerations
    - xiv. Standardization considerations
    - xv. Human Engineering considerations (Crew Station Requirements)
  - b. Life Cycle Cost Analysis
  - c. Findings/Status of Quality Assurance Program
3. Hardware Configuration Items
  - (a) Equipment layout drawings and preliminary drawings, including any proprietary or restricted design/process/ components and information
  - (b) Interface requirements contained in configuration item development specifications and interface control data (e.g., interface control drawings) derived from these requirements
  - (c) Configuration item development schedule
  - (d) Producibility and Manufacturing Considerations
  - (e) Value Engineering Considerations, Preliminary Value Engineering Change Proposals (VECPs) and VECs (if applicable)
  - (f) Description and characteristics of commercially available equipment, including any optional capabilities such as special features, interface units, special instructions, controls, formats, etc., (include limitations of commercially available equipment such as failure to meet human engineering, ESOH, and maintainability requirements of the specification and identify deficiencies)
  - (g) Existing documentation (technical orders, commercial manuals, etc.,) for commercially available equipment and copies of contractor specifications used to procure equipment shall be made available for review by the contracting agency.
  - (h) Firmware to be provided with the system: microprogram logic diagrams and reprogramming/instruction translation algorithm descriptions, fabrication, packaging (integration technology, device types, and special equipment and support software needed for developing, testing, and supporting the firmware.
4. Computer Software Configuration Items (CSCI)
  - a. Functional flow. The computer software functional flow embodying all of the requirements allocated from the Software Requirements Specification and Interface Requirements Specification(s) to the individual Top-Level Software Units (TLSU) of the CSCI.
  - b. CSCI structure. The contractor shall describe the top-level structure of the CSCI, the reasons for choosing the components described, the development methodology which will be used within the constraints of the available computer resources, and any support programs which will be required in order to develop/maintain the CSCI structure and allocation of data storage
  - c. Test tools. The contractor shall describe any special test systems, test data, data reduction tools, test computer software, or calibration and diagnostic software that are not deliverable under terms of the contract, but which are planned for use during product development
  - d. Description and characteristics of commercially available computer resources, including any optional capabilities such as special features, interface units, special instructions, controls, formats, etc. Include limitations of commercially available equipment such as failure to meet human engineering, ESOH and maintainability requirements of the specification and identify deficiencies
  - e. Existing documentation (technical orders, commercial manuals, etc.) for commercially available computer resources and copies of contractor specifications used to procure computer resources shall be made available for review by the contracting agency
5. Review software related CDRL deliverables Support Equipment
  - a. Review requirements for Support Equipment (SE) based on HWCI and CSCI reviews
  - b. Verify that the Government furnished SE is planned to be used to the maximum extent possible
  - c. Review progress of long-lead time SE items
  - d. Review progress toward determining total SE requirements for installation, checkout, and test support requirements

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- e. Review the reliability/maintainability/availability of support equipment items
  - f. Identify logistic support requirements for support equipment items and rationale for their selection
  - g. Review calibration requirements
  - h. Describe technical manuals and data availability for support equipment
  - i. Verify compatibility of proposed support equipment with the system maintenance concept
  - j. Review the relationship of the computer resources in the system/subsystem with those in Automatic Test Equipment
  - k. Review updated list of required support equipment
6. Testing
- a. Review all changes to the System/Subsystem, HWCI Development, Software Requirements, and Interface Requirements Specifications subsequent to the established allocated baseline
  - b. Contractor Verification Testing (CVT)
    - i. The progress/status of the test effort since the previous reporting milestone
    - ii. Updates to the Test Plan
    - iii. Review of Test Results
  - c. Examine all available mock-ups and the CVT Test Vehicle which will be used in implementing the test program or which affect the test program, for program impact
  - d. Review Software Test Plan
    - i. Review plans for CSCI integration testing
    - ii. Review plans for formal CSCI testing

#### C.4.3.2.3 PDR Exit Criteria:

The PDR is considered closed when the event has been completed, all the critical RFAs are closed, and the following exit criteria have been met:

- 1) Can the disclosed preliminary design satisfy the Performance Specification, Attachment 0001?
- 2) Are the known risks manageable?
- 3) Is the IMS executable (technical and cost risks)?
- 4) Is the program properly staffed?
- 5) Is the program executable with the existing budget?
- 6) Does the updated cost estimate fit within the existing budget?
- 7) Is the preliminary design producible?
- 8) Have Human Integration design factors been reviewed and included, where needed, in the overall system design?
- 9) Is the software functionality consistent with the updated software metrics and resource-loaded schedule?
- 10) Were the proper independent subject matter experts at the review?

#### C.4.3.3 Critical Design Reviews (CDRs)

The contractor shall conduct, at its facility, up to two Critical Design Reviews (CDRs) that shall include all variants. The first CDR shall be no later than 15 months after contract award and shall include the LAV-25, LAV-L, LAV-M. The second CDR shall be no later than 27 months after contract award and shall include the LAV-AT, LAV-CC, LAV-R, LAV-EW. The total duration of both CDRs combined shall not exceed six, eight-hour working days.

##### C.4.3.3.1 CDR Entrance Criteria:

The contractor shall ensure that the following entrance criteria are addressed prior to conducting the CDR:

- (1) Respective PDR(s) has been successfully conducted.
- (2) All PDR exit criteria have been satisfied and all PDR critical RFAs have been closed.
- (3) A preliminary agenda has been delivered in accordance with CDRL A005.
- (4) The following CDR technical products (hardware and software elements of the product baseline to be reviewed and approved at the CDR) have been made available to the CDR participants prior to the review:
  - (a) Product specifications for each hardware and software configuration item.
  - (b) Software Design Description complete and ready to be placed under configuration Management.
  - (c) Preliminary test procedures for software integration and software systems testing
  - (d) Human Systems Integration related documentation has been updated
- (5) The following CDR programmatic products have been updated and have been made available prior to the review or will be reviewed at the CDR:
  - (a) Program risk assessment
  - (b) Systems Engineering Plan changes (if any)
  - (c) Updated logistics documentation
  - (d) Updated IMS
  - (e) Fabrication, assembly, integration, and test plans and procedures
  - (f) Reliability predictions based on USMC Operational Mode Summary (OMS)/Mission Profile (MP)
- (6) All submittals to applicable CDRLs are accepted.

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#### C.4.3.3.2 CDR Review Elements

The following is a list of elements that shall be included in the CDR:

1. Introduction / agenda / administrative
  - a. Purpose of review, including scope/boundaries of the review
  - b. Review of entrance criteria
  - c. Review of exit criteria
  - d. RFA procedures overview
  - e. Program overview
  - f. Review of metrics used for Technical Management
  - g. Review of risks currently being managed
2. Hardware Configuration Items
  - a. Detailed engineering drawings for the HWCI including schematic diagrams
  - b. Adequacy of the detailed design in the following areas:
    - i. Electrical Design
    - ii. Mechanical Design
    - iii. Environment control and thermal design aspects
    - iv. Electromagnetic compatibility
    - v. Power distribution and grounding design aspects
    - vi. Electrical and mechanical interface compatibility
    - vii. Mass Properties
    - viii. Reliability/Maintainability/Availability
    - ix. ESOH engineering
    - x. Survivability/Vulnerability
    - xi. Producibility and Manufacturing
    - xii. Transportability
    - xiii. Human Engineering
    - xiv. Standardization
    - xv. Design versus Logistics Trade-Offs
    - xvi. Support equipment requirements
  - c. Installation Drawings
  - d. Mock-ups and/or prototype hardware
  - e. Design Analysis and test data
  - f. Initial Manufacturing Readiness (for example, manufacturing engineering, tooling demonstrations, development and proofing of new materials, processes, methods, tooling, test equipment, procedures, reduction of manufacturing risks to acceptable levels)
  - g. Preliminary VECs and/or formal VECs
  - h. Life cycle costs
  - i. Detailed design information on all firmware to be provided with the system
  - j. Findings/Status of Quality Assurance Program
3. Computer Software Configuration Items
  - a. Software Detailed Design, Data Base Design, and Interface Design Description(s). In cases where the CDR is conducted in increments, complete documents to support that increment shall be available
  - b. Supporting documentation describing results of analyses, testing, etc., as mutually agreed by the contracting agency and the contractor
  - c. Updates since the last review to all previously delivered software related CDRLs
4. Support Equipment
  - a. Review requirements for Support Equipment (SE) based on HWCI and CSCI reviews
  - b. Verify maximum considerations Government Furnished Equipment Support Equipment
  - c. Identify existing or potential SE provisioning problems
  - d. Determine qualitative and quantitative adequacy of provisioning drawings and data
  - e. Review reliability of SE
  - f. Review logistic support requirements for SE items
  - g. Review Calibration requirements
  - h. Review documentation for SE
5. Testing
  - a. Review all available test documentation for currency, technical adequacy, and compatibility.
  - b. Review all test documentation required to support test requirements, as applicable.
  - c. Review software test descriptions for consistency with the Software Test Plan, as applicable.

#### C.4.3.3.3 CDR Exit Criteria:

The CDR is considered closed when the event has been completed, all the critical RFAs are closed, and the following exit criteria have

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been met:

- 1) Does the detailed design satisfy the requirements of the Performance Specification, Attachment 0001?
- 2) Has the initial product baseline been established and documented to enable hardware fabrication and software coding to proceed with proper configuration management?
- 3) Are adequate processes and metrics in place for the program to succeed?
- 4) Are the known risks manageable?
- 5) Is the IMS executable (technical and cost risks)?
- 6) Is the program properly staffed?
- 7) Is the program executable with the existing budget and the approved initial product baseline?
- 8) Is the detailed design producible?
- 9) Is the software functionality in the approved initial product baseline consistent with the updated software metrics and resource-loaded schedule?
- 10) Have key product characteristics having the most impact on system performance, assembly, cost, reliability, or safety been identified?
- 11) Have the critical manufacturing processes that impact the key characteristics been identified and their capability to meet design tolerances determined?
- 12) Have process control plans been developed for critical manufacturing processes?
- 13) Were the proper independent subject matter experts at the review

#### C.4.3.4 Test Readiness Review (TRR)

The contractor shall support a Government conducted TRR, in person, at Aberdeen Proving Grounds (APG) 45 days prior to the start of the Developmental Test (DT). The TRR shall not exceed two, eight hour days. At the TRR, the contractor shall present a formal review of the Contractor Verification Test (CVT) results to date, delivered under CDRL A007, and a formal review of the contractors readiness to proceed to DT.

##### C.4.3.4.1 TRR Entrance Criteria

The contractor shall address the following prior to scheduling the TRR:

- 1) Configuration of system under test, including software, has been defined and agreed to. All interfaces have been placed under configuration management.
- 2) All applicable Contractor Verification Testing to include; functional, unit level, subsystem, system, and qualification testing has been conducted successfully.
- 3) All known system discrepancies have been identified.
- 4) All previous design review exit criteria and key issues have been satisfied
- 5) All contractor required DT resources have been identified and are available to support required tests.
- 6) Roles and responsibilities of all test participants are defined and agreed to.
- 7) All submittals to applicable CDRLs are accepted.

##### C.4.3.4.2 TRR Exit Criteria

The TRR is considered closed when the event has been completed, all the critical RFAs are closed, and the following exit criteria have been met:

- 1) Are Test requirements traceable, documented and approved. Are Adequate test plans based on these traceable requirements completed and approved for the system under test?
- 2) Are All contractor testing resources ready and available?
- 3) Is The software and hardware being tested and the entire test environment configuration controlled as applicable?
- 4) Has All lower level software and hardware testing been successfully completed and documented?
- 5) Do Software and hardware metrics show readiness for testing?
- 6) Is Software and hardware problem report system defined and implemented?
- 7) Is Software and hardware test baseline established and controlled?
- 8) Are Software and hardware development estimates updated?
- 9) Are Requirements that cannot be adequately tested at the CSCI and HWCI level (and thus require testing at the subsystem or system levels) identified?
- 10) Is Risk level identified and accepted by the Government?

#### C.4.4 Integrated Logistics Support (ILS) Reviews

##### C.4.4.1 ILS Start of Work Meeting

The contractor shall conduct an ILS Start of Work Meeting in conjunction with the program Start of Work meeting. The ILS Start of Work Meeting shall not exceed one, eight hour day. The contractor shall brief the following ILS elements as well as the detailed schedule for each:

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1. ILS elements of the IMS
2. Supportability Analysis Process and Maintenance Planning
3. DT Training
4. Operational Assessment (OA) Training
5. LRUs for ILS development
6. Field Service Representative (FSR) Support for DT
7. Technical Publications development process and delivery
8. Technical Publication for DT and OA
9. Special Tools and Test Equipment (STTE)
10. Support Equipment & Test, Measurement, & Diagnostic Equipment (TMDE)
11. Provisioning
12. Equipment Preservation Data Sheets (EPDS) development
13. Design influence and integration efforts with engineering
14. Diminishing Manufacturing Sources Material Shortage (DMSMS)
15. ILS Program Risk (cost, schedule, and performance). The risks shall be presented in Work Breakdown Structure (WBS) to the third indenture level, detailing risk areas and methods of mitigation.
16. Modification Instruction (MI) development
17. Dates and agenda for Validation and Verification (Val/Ver) Reviews
18. Impacts to USMC Maintenance Facilities

#### C.4.4.2 Provisioning Meetings

The contractor shall host an initial Provisioning Guidance Meeting at the ILS Start of Work Meeting. At the initial provisioning guidance meeting, the Government will provide the contractor Provisioning Line Item Sequence Number (PLISNs), project codes, and guidance on what provisioning data is required. The contractor shall conduct the provisioning meeting in conjunction with the Val/Ver for the LAV- 25 at the contractors facility. PMO-LAV and contractor shall jointly verify the Provisioning Parts List (PPL) (in top-down break-down order) to ensure it reflects the current and complete configuration of the equipment being procured by comparing it to the drawings. Contractor P/Ns and Commercial and Government Entity (CAGE) Codes shall reflect the original equipment manufacturers (OEM) information unless that part is modified to change form, fit, or function.

#### C.4.4.3 Supportability Review/Maintenance Meetings (SRMs)

The contractor shall conduct up to three SRMs at the contractors facility to support the delivery of the logistics data and the technical publications. These meetings shall be scheduled by the contractor in the IMS to support the completion of the Technical Publications. The SRMs shall last no longer than two, eight hour days in duration.

#### C.5 Systems Engineering

##### C.5.1 Corrosion Prevention and Control Plan (CPCP)

The contractor shall develop and present a CPCP, in contractors format, at PDRs and CDRs that describes the specific measures to be implemented. The CPCP shall be delivered to the Government as part of the read ahead material for the PDRs and CDRs. The purpose of the CPCP is to document corrosion-related design decision and identify materials and corrosion control methods used to manufacture the MOB Kits. The plan shall address the techniques and processes to be applied in assuring that the products to be delivered will meet the requirements contained in the Performance Specification, Attachment 0001. Changes in materials, coatings, or corrosion prevention methods during the course of production shall be reflected in updated versions of the CPCP. The CPCP shall provide the following information:

- 1) Discussion of corrosion prevention techniques employed in design, including measures taken to minimize water collection or entrapment and collection of debris, mitigate corrosion in areas inaccessible to cleaning and maintenance, and minimizes dissimilar metal contact.
- 2) Process instructions detailing application of coatings and other corrosion prevention compounds (if any). Process instructions should address personnel training and qualification, material inspection, surface preparation, and coating or compound application procedures.
- 3) Any MOB material test data developed by the manufacturer for coatings and materials.
- 4) Identification of coating and substrate combinations for which no testing was required or performed.
- 5) Recommended corrosion control-specific maintenance.

##### C.5.2 Reliability and Maintainability (R&M) Program

The contractor shall maintain a comprehensive R&M program to ensure the MOB Integration meets the R&M standards set forth in the Performance Specification, Attachment 0001. The contractor shall restrict R&M reporting to the development of the MOB Kit. Included with the R&M Program, shall be a reliability growth curve development and progress tracking. The design shall be monitored throughout the entire period of performance to identify and assess any changes, which would impact reliability or maintainability. The contractor

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shall develop reliability analysis and predictions as required to ensure compliance with the Performance Specification, Attachment 0001. The effort shall encompass all aspects of reliability with respect to design selection of components, predictions, and testing. If it is determined that an item is a discard item, an analysis shall be performed at the next higher indenture level. The contractor shall maintain and make available to the Government all R&M data on any vendor or sub-contractor supplied item and shall inform the Government of any part or component, which will degrade system R&M requirements.

#### C.5.2.1 Failure Modes, Effects and Criticality Analysis (FMECA)

The contractor shall submit a FMECA Report to the Government in accordance with CDRL A015. The report shall document major problems detected by the analysis, potential failure risks, and recommended corrective actions.

#### C.5.2.2 Reliability Predictions

The contractor shall prepare and deliver a Reliability Report to the LRU level to include the identification of the Mean Time Between Failure (MTBF) for each repairable item in addition to identification of the system MTBF in accordance with CDRL A008.

#### C.5.3 Human Systems Integration (HSI)

The contractor shall apply HSI principles and design activities. The contractor shall develop and execute an HSI program that ensures Human Factors Engineering, Manpower, Personnel, Training, Environment, Safety, and Occupational Health (ESOH), Personnel Survivability, and Habitability aspects and requirements have been coordinated and incorporated into the layout, design, and development of systems having operator and maintainer interfaces. Human Factors Engineering (HFE) aspects of the HSI program shall be conducted in accordance with MIL-STD-46855. ESOH aspects of the program shall be conducted in accordance with MIL-STD-882. Personnel Survivability and Habitability shall be addressed by the HFE and ESOH programs.

##### C.5.3.1 Human Systems Integration (HSI) Activities

During MOB Kit integration development, the contractor shall conduct the following HSI activities and present at each Technical Review (PDRs, CDRs):

1. Participate in the design and development process
2. Conduct HSI verification activities to ensure the MOB Integration meets the required capabilities and specifications when operated, maintained, supported, and controlled in its intended environment to include manmade and natural environments.

##### C.5.3.2 Human Factors Engineering (HFE)

Operator and Maintainer human factors design requirements shall be established to develop effective man-machine interfaces and preclude system characteristics that require extensive cognitive, physical or sensory skills, complex manpower or training intensive tasks or result in frequent or critical errors. The contractor shall present at each Technical Review (PDRs, CDRs) the results of HFE analysis to ensure that all systems will be designed to account for human capabilities and limitations and user interfaces are in compliance with established design standards.

##### C.5.3.3 Safety Assessment Report (SAR)

The contractor shall perform a safety assessment on the fully integrated vehicle and prepare a SAR for each variant modified under this contract and deliver it in accordance with CDRL A010.

##### C.5.3.4 Health Hazard Assessment Report (HHAR)

The contractor shall prepare and deliver a HHAR for each variants MOB Kit under this contract in accordance with CDRL A011.

##### C.5.3.5 Hazardous Materials Management Program and Pollution Prevention (HMMP P2)

The contractor shall implement a HMMP P2 in accordance with MIL-STD-882\_, Task 108. The contractor shall avoid the use of toxic chemicals, hazardous materials, and Ozone Depleting Substances (ODS) in the design, operational support and disposal of the MOB Kit Integration where possible. The HMMP shall establish a process to manage all requirements for asbestos, radioactive materials, cadmium, hexavalent chromium, and extremely toxic or hazardous materials in design, production, operation, and support. The contractor shall not introduce anything into the MOB Kit Integration with hexavalent chromium without written approval from the contracting officer. In some case, the only acceptable management process may be total elimination of the requirement. The use of Class I or Class II Ozone Depleting Chemicals (ODCs) is prohibited in the design or operational support of the system without specific written approval of the contracting officer. More information on chemicals and hazardous materials to be avoided can be obtained from the Environmental Protection Agency (EPA). When the contractor paints components or sends components out to a subcontractor to be painted, the contractor or subcontractor shall use only hexavalent chromium free primer and paint for all components that are painted at a contractor facility or a sub-contractor facility.

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C.5.4 Configuration Management (CM) Process

The contractor shall maintain a Configuration Management (CM) process for the control of all requirements, hardware, software and external system interface configuration documentation, media and parts representing or comprising the MOB Kit integration. The principles contained in EIA-649, National Consensus Standard for Configuration Management, and MIL-HDBK-61, Configuration Management Guidance, shall be used as guidance. For all MOB Kit Configuration Items, the contractor's CM process shall consist of CM planning, configuration identification, configuration control, configuration status accounting, configuration verification, audits and data management including tools. Processes and tools for interfacing with other acquisition requirements shall be addressed.

C.5.4.1 Configuration Identification (CI)

The contractor shall establish a database that records and maintains configuration baselines. The database shall record documents, hardware, computer software and drawings that have been approved and placed under Government configuration control and new CI and Software Configuration Items (SCIs) which are planned for inclusion in future baseline updates. As a minimum, CI data shall identify the current approved baseline by:

- 1) Document number and Document type
- 2) CAGE
- 3) Revision Level
- 4) Nomenclature
- 5) Drawing size
- 6) Indentured breakdown of parts, which display a parent to child relationship, to include quantity. The breakdown shall only pertain to CI documents under Government configuration control.
- 7) Computer software version identifier

C.5.4.2 Configuration Status Accounting (CSA)

The contractor shall establish and maintain a CSA database, which represents the configuration of the MOB Kit. All baselines, changes and planned system upgrades shall be documented in the contractor's CSA database. The contractor's CSA database shall permit acceptance of commercial product information; however, if requirements to report data outside of the contractor's CSA database or format exist, the information may be delivered as a supplement to prevent disruption to their existing system. The contractor's CSA database shall reconcile any differences between the supplier information and contractor practices to provide the Government with clear accountability of product information. Additionally, the CSA database shall provide a reliable source of configuration information to support MOB Kit activities, including program management, systems engineering, logistics support, and modification and maintenance actions.

C.5.4.3 Initial Product Baselines

The contractor shall establish the initial product baselines for each variant at the successful completion of each variants CDR.

C.5.4.4 Final Product Baselines

The contractor shall establish the final product baselines for each variant at the acceptance of each of the variant ECPs submitted in accordance with CDRL A001.

C.5.4.4.1 Requests for Deviation (RFD)

The contractor shall prepare RFDs to document deviations from the initial approved MOB kit configuration and deliver in accordance with CDRL A012. Authorized deviations are a temporary departure from the requirements and do not constitute a change in an approved baseline. Submission of recurring deviations is discouraged and shall be minimized.

C.5.4.4.2 Engineering Change Orders (ECOs)

The contractor shall submit ECOs for any changes to the initial product baseline and present for Government review at each IPR.

C.5.5 MOB Production Level TDP

The contractor shall deliver MOB Kit TDPs for each variant. The contractor shall deliver Unlimited Rights Production Level TDPs for items that are developed exclusively at Government expense under this contract. The contractor shall deliver Production Level TDP for items previously developed at the contractor's expense with limited rights as defined by DFARS 252.227-7013. The contractor shall deliver Production Level TDP for items developed with mixed funding with Government purpose rights as defined by DFARS 252.227-7013. All parts of the MOB Production level TDP shall be delivered in accordance with CDRL A013.

C.6. Testing and Verification

C.6.1 Contractor Verification Testing (CVT)

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The contractor shall use one MOB Production Representative Vehicle LAV 25 to develop and implement CVT procedures to demonstrate the adequacy of the contractor's MOB integration for compliance with the requirements of the Performance Specification, Attachment 0001. The contractor shall deliver a CVT Plan in accordance with CDRL A040. The contractor shall notify the Government a minimum of five days prior to any CVT event. The Government reserves the right to witness any CVT event.

#### C.6.1.1 Contractor Verification Test (CVT) Reporting

The contractor shall notify the COR via email of any requirements that were not met or are not expected to be met according to the Performance Specification, Attachment 0001. The contractor shall report these incidents to the Government within three days of identification.

The contractor shall deliver all CVT test results per the contractors CVT Plan, in accordance with CDRL A007.

#### C.6.2 Developmental Testing (DT)

The following information is provided for the contractor to develop its support for DT:

- A. The Government will conduct a swim test at Amphibious Vehicle Test Branch (AVTB) in Camp Pendleton, CA.
  - 1. Swim testing will take no longer than three, 12 hour days per variant.
  - 2. The variants will be swim tested as they become available.
- B. The Government will conduct DT on four LAVs (two LAV-25s, one LAV-L, and one LAV-M) for a period up to six months at Aberdeen Test Center (ATC) in Aberdeen, MD for up to 10,000 miles per vehicle.
  - 1. One LAV-25 will be used for automotive performance, environmental, and safety testing.
  - 2. Two LAV-25s and one LAV-L will be used for Reliability and Maintainability (RAM) testing over the 2013 OMS/MP (as referenced in the Performance Specification, Attachment 0001).
  - 3. The remaining LAV-M will be used to verify the LAV-M weapon firing tables.

##### C.6.2.1 Contractor Support for DT

(1) The contractor shall provide engineering, logistics, program management, and FSR support for two Government hosted Test Integration Working Group (TIWG) meetings. The TIWGs will be conducted at Aberdeen, MD for the period of one day each. The contractor shall provide up to six representatives to include the FSR to support these meetings.

(2) The contractor shall provide engineering, logistics, program management, and FSR support for two Government hosted Failure Definition and Scoring Criteria (FDSC) meetings. The FDSCs will be conducted at Aberdeen, MD for the period of three days, eight hours, each. The contractor shall provide up to six representatives to include the FSR to support these meetings.

(3) The contractor shall provide engineering, logistics, program management, and FSR support for one Government hosted Test Incident Report (TIR) closeout meeting. The TIR closeout meeting will be conducted at Aberdeen, MD for the duration of two, eight hour, days. The contractor shall provide up to six representatives to include the FSR to support this meeting.

(4) Contractor FSR Support. The contractor shall provide a FSR to support DT for the six-month duration of the test at each of the test locations. The contractor FSR shall be on-site at ATC in Aberdeen, MD to support DT during the entire test work day, not to exceed 12 hrs per work day, Mon-Fri. The FSR shall also be on-site to support the swim testing at AVTB in Camp Pendleton, CA for a period of up to 10 days, not to exceed 12 hrs per work day, Mon-Fri. The FSR shall be responsible to support the Government operators and maintainers during testing

##### C.6.2.1.1 Test System Support Package Components List (SSPCL)

The contractor shall provide a priced proposal for a MOB test SSPCL in accordance with CDRL A014. The vehicles will be operated as detailed in the Performance Specification, Attachment 0001 for a total of 50,000 miles.

##### C.6.2.2 Test Vehicles Inspection and Refurbishment-Post DT

After the completion of the DT, the contractor shall support a joint LTI in accordance with the TM-20 developed for each variant under this contract.

#### C.7. Integrated Logistics Support (ILS)

##### C.7.1 Maintenance Planning

The contractor shall conduct maintenance planning, including diagnostics, based on the USMC maintenance concept as defined in USMC Levels of Maintenance and the Technical Publications on the GFP List, Attachment 0002.

##### C.7.1.1 Supportability Analysis

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The contractor shall conduct a Supportability Analysis consisting of a review of the MOB Integration for each of the seven variants to identify MOB kit components maintenance philosophy. The contractor shall provide rationale for selection of items for repair and identification of the proposed maintenance level consistent with USMC Levels of Maintenance, GFP List, Attachment 0002. The analysis shall include recommended Source Maintenance Recoverability (SMR) coding, unit prices, FMECA data, all special tools, new unique items, serialized item identification, and recommendations for repair. Items that have a unit price of less than \$500 shall be considered non-repairable with the exception of wiring harnesses that are repairable below that threshold. The contractor shall brief the results of the analysis at the SRMs.

#### C.7.1.1.2 Provisioning

The provisioning data under this effort only applies to the LAV-25.

##### C.7.1.1.2.1 Provisioning Plan

The contractor shall develop and deliver a provisioning plan in accordance with CDRL A016.

##### C.7.1.1.2.2 Provisioning Tasks

The contractor shall perform the following provisioning tasks: review provisioning drawings, screen the system for comparable NSNs, update the Logistics Support Analysis (LSA) 036 Report (as provided in accordance with CDRL A017), verify the Provisioning Parts List (PPL) (in top-down break-down order). The contractor shall have the Supportability Analysis available to support the provisioning tasks. Contractor Part Numbers and CAGE Codes shall reflect the original equipment manufacturers information unless that part is modified to change form, fit, or function. If the original manufacturer part number is modified, a GDLS-C part number shall be applied.

##### C.7.1.1.2.3 Provisioning Technical Documentation (PTD)

The contractor shall develop and document PTD to include a PPL, Long Lead Time Items List (LLTIL), STTE List, Common and Bulk Items List (CBIL), and any Design Change Notices (DCN). These lists shall contain the Data Products selection list and be delivered in accordance with CDRL A017.

##### C.7.1.1.2.4 Engineering Data for Provisioning (EDFP)

EDFP shall be submitted in accordance with CDRL A018.

##### C.7.1.1.2.5 Provisioning Screening

To preclude the duplication of NSNs, the contractor shall identify NSNs for all provisioned items by screening the Defense Logistics Service Center database. The contractor shall use Logistics Remote User Network and shall provide the results of the screening in accordance with CDRL A019.

#### C.7.1.1.3 Diminishing Manufacturing Sources and Material Shortages (DMSMS) Management

The contractor shall present their DMSMS management process at the ILS Start of Work meeting and provide status updates at CDRs. The contractor shall address, at a minimum, the following for the LAV-25 MOB Kit only:

- A. Means and approach for providing the Government with information regarding obsolescence and DMSMS issues
- B. Planned resolution of current obsolescence and DMSMS issues
- C. Parts list screening
- D. Parts list monitoring
- E. Means and approach for establishing obsolescence and DMSMS solutions
- F. Plan for conducting DMSMS predictions

#### C.7.1.1.4 Initial Issue Package (IIP) Listing

The contractor shall deliver an IIP listing of MOB Kit spare and repair parts and assemblies in top down breakdown for all seven LAV variants in accordance with CDRL A020.

#### C.7.1.1.5 Technical Publications

The contractor shall develop and deliver new technical publications for the variants specified in Technical Publication delivery schedule, Attachment 0004 in accordance with CDRL A021. The below information shall be included in the development of the technical publications.

1. Software. The Contractor shall use the following software to develop the technical publication data (TPD):
  - a. XSL Formatter V 4.3 A companion software to the Converter-Stylet, the XSL Formatter is used when generating the PDFs, in which case the vector graphics are converted on the fly to SVGs for display in the PDF.

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<http://www.antennahouse.com/product/axfo40/axfo4top.htm>

b. SDI Convert Command Line (CLI) Converts Vector graphics to SVGs on-the-fly during the PDF creation process.

[http://www.sdicgm.com/sdi\\_convert.html](http://www.sdicgm.com/sdi_convert.html)

c. PTC Arbortext Editor XML Editor for developing XML content. <http://www.ptc.com>

2. MRV fuel tank maintenance and SL-4 information as identified in Attachment 0002, RFP, Line 22, shall be incorporated into the publications in lieu of the maintenance and SL-4 information contained in the GFI FOLAV publications.
3. The LAV-25A2 New Build is the baseline vehicle.
4. Supplements to the LAV-25A2 Technical Publications (LAV-L and LAV-M) shall contain unique graphics that support the unique systems.
5. Non-MOB related technical publication information for New Build vehicles shall be rolled over into the new Technical Publications and no effort shall be expended by the Contractor for validating the source material as identified in Attachment 0002, FOLAV GFI.
6. Non-MOB related technical publication information is technically correct and therefore will not be reviewed by the Government for technical accuracy but will be tabletop verified by the Government to ensure the information was carried over correctly from the source data.
7. The Contractor shall generate full Vector graphics to include schematics.
8. The Contractor shall assign graphic IDs (GIDs) to its graphics using a block of serial numbers assigned by the Government and in accordance with the LAV Graphics Naming Protocol which will be provided at the ILS Start of Working Meeting.
9. Graphic Identification (GID) will not be updated as per LAV Graphics Naming Protocol if the technically illustrated content is not being changed. Existing graphic links shall not be deleted or updated. New graphic links shall not be created/added.
10. Technical Publications shall be written in simple, practical English. All terminology, symbols, and abbreviations shall be readily understandable by USMC operators and maintainers. Abbreviations shall be defined the first time they appear in the text.
11. If applicable, the Contractor shall use nomenclatures and abbreviations already established in the LAV tech pub data. Any nomenclatures and abbreviations introduced by the Contractor shall be consistent throughout the technical publication data.
12. The Contractor shall identify all Special Tools by nomenclature and part number in the Special Tools section of each task. The Special Tools shall also be identified in each task with the associated nomenclature and part number. The Special Tool section of the manual shall also contain nomenclature, part number and an associated graphic of the tool.
13. Troubleshooting methodology will remain in Symptom based format.
14. Contractor-generated and/or modified graphics shall be provided to the Government in their own file and which shall accompany narratives, tables and related tech pub data.

The Contractor shall use the following documents and exclusions as a guide for developing technical publication data. The style and format of existing LAV technical publications and/or the requirements defined in this section shall supersede the guidance below, in the event of a conflict.

1. MIL-STD-38784\_: Used to identify tech pub element constructs and rules (e.g., use of warnings, cautions, notes, front matter contents, index, etc.), but not specifically how to properly tag the tech pub data.
2. USMCLAV1\_XML\_DTD: Used to tag the tech pub data (e.g., rules, tag syntax).
3. PM-LAV\_Data\_Development\_Guidelines: Direction for inserting/assembling of the various parts that makes up a tech pub data source data folder.
4. MIL-STD-40051-2A: Only used as a reference for troubleshooting procedure details as used by the maintainer. Not mandated to use for full development of all Technical Publication Data for the LAV.

#### Exclusions and Special Instruction:

1. The contractor shall not perform the following linking requirements:
  - a. Maintenance Procedure to Maintenance figure call-outs.
  - b. Maintenance Figure call-outs to SL-4 Figure call-outs.
  - c. All Maintenance table links to individual items/parts.
  - d. All Appendix links to individual items/parts.
  - e. SL-4 figure call-outs to other SL-4 figure call-outs.
  - f. Links to separate Technical Publications.
2. The Contractor shall not expend any effort to remove existing hyperlinks from technical publication data provided as GFI.

The contractor shall use \$\$\$ in the tech data (XML and PDF) they deliver as specified below:

1. Maintenance Manuals: All MOB data shall have \$\$\$ in the title of each task, paragraph, section, and chapter if applicable. Once the TPD is converted to PDF format, these instances shall be capable of being found using the search function within the users approved PDF reader application. For all other instances, \$\$\$ shall appear in the step, paragraph, list item, table item, etc.
2. SL-4/Parts Manuals: All MOB data shall have \$\$\$ prior to the Figure title. The Table of Content shall have \$\$\$ for all MOB related Figure titles. Each line item of the Part I Item Identification Listing shall have \$\$\$ in the Model column. Once the TPD is converted to PDF format, these instances shall be capable of being found using the search function within the users approved PDF reader application.

For any changes that cannot be identified using the \$\$\$ without violating the DTD (Document Type Definition) or rules for "well formed" XML (eXtensible Markup Language), an "XML comment" shall precede that change that briefly indicates the change and contains the triple dollar signs (\$\$\$).

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All MOB related Entity Declarations shall include an opening comment <!-- MOB Declarations Start --> and closing comment <!-- MOB Declarations End --> to separate the MOB graphic entity declarations. A single opening and closing comment pair shall be used for contiguous Entity Declarations. Non-contiguous Entity Declarations shall be preceded with a single <!-- MOB chg--> comment.

Do not retain any superseded content within changed sections and do not use "supersedes" or "superseded by" (XML Tags used to programmatically identify different configurations of the TPD content) attributes.

#### C.7.1.5.1 Technical Publication Validation (Val)/Verification (Ver) Plan

The contractor shall develop and deliver a Val/Ver Plan in accordance with CDRL A022 for the LAV-25 publications identified in Attachment 0004.

#### C.7.1.5.2 Technical Publications Validation

The contractor shall conduct a validation of the technical accuracy of the publications identified in Attachment 0004 and this validation effort shall be documented in the IMS. The contractor shall maintain records of each validation effort delivered under this contract. Validation shall be complete prior to the Government technical publication verification. The Government may witness the contractors validation activity.

#### C.7.1.5.3 Technical Publication Verification

The technical publication verification shall occur at the contractors facility where Government representatives will review the LAV-25 publications identified in Attachment 0004 delivered under this contract for accuracy and completeness against the vehicles and Engineering Drawings. For MOB systems, the Government will perform physical verification. For non MOB related components the Government will perform a table-top verification for confirmation that the data carried over as received. The Government will provide the necessary tools in accordance with the GFP List, Attachment 0002 for on-vehicle verification. Government verification shall commence upon the delivery of the draft TMs delivered in accordance with CDRL A021. The technical publications verification will not exceed 40 business days. To support the verification, the contractor shall provide the following:

- A. Technical publications reflecting the hardware and the content of the logistics data
- B. Drawings or sketches that identify part numbers and nomenclatures; and, as a minimum, a contractor and CAGE code cross-reference listing that identifies the prime manufacturer
- C. Maintenance data that reflects consumption of parts, tools, and TMDE
- D. Provisioning data reflecting the system top-down breakdown structure to include all levels of maintenance
- E. A listing of tools for each task at each maintenance level
- F. New special tools
- G. Consumable items
- H. Internet access

#### C.7.1.6 Modification Instructions (MI)

The contractor shall develop and deliver a two part MI for each of the seven variants in accordance with CDRL A023. The MIs shall not include the process for disassembling the vehicle hull. The MIs shall include a Retain, Discard List for both New Production and Legacy LAVs.

A. MI Part A of theThe MI shall include the instructions to modify a current New Production (531xxx) full hull to a MOB Hull configuration, reference C.1.1.

B. MI Part B shall include instructions to install the MOB kit on the MOB Hull using either the Legacy or New Build Retain, Discard List.

#### C.7.1.6.1 MI Val/Ver Plan

The contractor shall develop and deliver a Val/Ver Plan in accordance with CDRL A043. The contractor shall only validate MI Part B as listed in Section C.7.1.6 above.

#### C.7.1.6.2 MI Part B Validation

The contractor shall conduct a validation of the technical accuracy of MI Part B for each variant and this validation effort shall be documented in the IMS. The contractor shall maintain records of each validation effort delivered under this contract. Validation shall be complete prior to the Government MI Part B verification. The Government may witness the contractors validation activity.

#### C.7.1.6.3 MI Part B Verification

PMO-LAV representatives will review the MOB MI Part B for accuracy and completeness against system hardware. The contractor shall

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provide all resources, to include personnel, necessary to support the PMO-LAV MI physical verification process at the contractor's location in accordance with CDRL A023. The MI Part B verifications will not exceed 40 business days.

#### C.7.1.7 Special Tools and Test Equipment (STTE)

The contractor shall develop and deliver the STTE listing in accordance with CDRL A045.

The Government will provide all common tools and test equipment Virtual Instrument Portable Equipment Repair/Tester (VIPER/T) required to support both the ILS activities and Training events. The contractor shall provide all STTE required to support ILS activities (MI Verification; TM Verification) and Training events (DT and OA).

##### C.7.1.7.1 Test, Measurement & Diagnostic Equipment (TMDE)

All diagnostic software applications shall be compatible with the USMC Vehicle Automated Diagnostic System - Ordnance (VADS-O).

##### C.7.1.7.2 Vehicle Automated Diagnostic System Ordnance (VADS-O)

The VADS-O provided as GFM in accordance with the GFP List, Attachment 0002 shall be updated to conduct diagnostics for the Alison Transmission and the Cummins Engine. The contractor shall not make any hardware modification to the VADS-O.

##### C.7.1.7.3 Calibration and Measurement Requirements Summary (CMRS)

The contractor shall list calibration requirements for all newly introduced support and test equipment and prepare and deliver the CMRS in accordance with CDRL A024.

##### C.7.1.7.4 Virtual Instrument Portable Equipment Repair/Tester (VIPER/T) Development

In support of the Governments activities to develop the VIPER/T test program sets, the contractor shall deliver data in accordance with CDRL A025.

#### C.7.2 Training

The contractor shall develop two separate training courses specific to the MOB systems to support DT and OA: one for operators (to include swim operations) and one for maintainers based on the Operator -10 and Organizational Maintenance -20 manuals developed under this contract. MOB systems Operator and, Organizational Maintenance training shall be taught separately at ATC for DT and Twentynine Palms, CA for OA. Upon successful completion of the MOB systems Operator Training Course, the trainee shall be able to operate the vehicle in accordance with the Operators Technical Publication. Upon successful completion of the MOB systems Organizational Maintenance Training Course the trainee shall be able to maintain the vehicle in accordance with the Maintenance Technical Publications. The training courses shall consist of lectures, demonstrations, practical application, written test, and practical exercises and examinations. At least 70 percent of the total course length shall be hands-on practical application and practical exercise training. The trainee-to-instructor ratio shall be no more than 6:1 for lectures and 6:1 for hands-on training, practical application, and practical exercises. The student-to-equipment ratio shall be no more than 6:1.

##### C.7.2.1 Training Course Curriculum Outline (TCCO)

The contractor shall develop a TCCO for DT and OA, and shall deliver it in accordance with CDRL A026 for both Operator and Organizational Maintainer training. The TCCO shall include the structure of the course with a breakout of each lesson that covers what will be trained and how it will be trained. All training course materials shall be developed in accordance with the Government approved TCCO.

##### C.7.2.2 Operator and Maintainer Course Student Handouts

The contractor shall develop and deliver operator and maintainer student handouts in accordance with CDRL A027.

##### C.7.2.3 LAV Licensing Exam

The contractor shall develop and deliver an updated LAV licensing exam incorporating the MOB Kit systems in accordance with CDRL A028.

##### C.7.2.4 DT Training

The contractor shall conduct MOB systems DT Operator and Organizational Maintainer Training for Government representatives and test personnel at ATC. The training course duration shall not exceed 80 hours. Training class size for Operator training will not exceed 15 students with 5 observers; Organizational maintenance will not exceed 10 students with 5 observers.

##### C.7.2.5 OA Training

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The contractor shall conduct MOB systems OA training for both Operators and Organizational Maintainers Military Occupational Specialty (MOS 0313) LAV Crewman, and (MOS 2147), LAV Mechanic at Twentynine Palms, CA. The training course duration shall not exceed 80 hours. Training class size for Operator training shall not exceed 35 students with 5 observers. Organizational Maintenance (-20) training shall not exceed five students with five observers. OA training will mirror DT training on MOB systems for LAV-25 and LAV-L, before 36 months after contract award.

#### C.7.2.6 Training support items

The contractor shall provide all consumables items and STTE to support the training efforts. These items shall remain at the test sites for the duration of the test events. The Government will provide all Common tools to support training and the test events.

#### C.7.3 Software

Software as mentioned in the following paragraphs is defined as the integration software that is used to interface the turret and the vehicle chassis and hull.

##### C.7.3.1 Software Development Plan (SDP)

The contractor shall define a software development approach appropriate for the computer software effort to be performed under this contract. This approach shall be documented in a SDP and delivered in accordance with CDRL A029. The contractor shall follow this SDP for all computer software to be developed or maintained under this effort.

##### C.7.3.2 New Software

Any newly developed software including modification of pre-existing software programs shall be developed by the contractor in accordance with the Defense Information Infrastructure Common Operating Environment Integration and Run-Time Specification (DII COE I&RTS) as provided as GFI in accordance with GFP List, Attachment 0002.

##### C.7.3.3 Software Allocation

The contractor shall categorize all software as application software and support software categories in the SDP. Each category shall comprise a SCI and may further be subdivided into Software Units. The contractor shall implement an electronic system of software development folders for centrally collecting all design and test information for each software unit developed.

##### C.7.3.4 Source Code and Executable Software

The contractor shall provide applicable software source code and associated executable software, with the exception of commercial software, developed in support of VADS-O software development and deliver in accordance with CDRL A030.

##### C.7.3.5 Software Licensing

Software integrated under this contract shall include the appropriate licenses without restrictions for usage in the intended vehicle application with the exception of commercial software licenses. The contractor shall inform the government of any commercial software licensing requirements.

##### C.7.3.6 Software Integrated Product Team (IPT)

Upon contract award, the contractor and the Government shall jointly establish a Software IPT. This team shall consist of contractor and Government representatives. The contractors Lead Software Engineer will chair the Software IPT. The Software IPT shall be tasked to define, document, monitor, and improve the software development approach being used for the software effort. Specifically, the Software IPT shall:

- 1) Define and document the software development approach to be used for the work effort. The approach is to be documented in the contractors' SDP.
- 2) Secure Government approval for the SDP. Approval is facilitated by having Government representatives serving on the Software IPT.
- 3) Identify and make process improvements to the software approach, and document these in the SDP. These improvements are to be based on lessons-learned, suggestions from staff, and industrial advancements, and other sources.
- 4) Control all changes to the SDP.
- 5) Monitor development progress, assess effectiveness of the development approach, and monitor adherence to the defined process.
- 6) Monitor industry-wide lessons-learned, evolution of standards, advances in relevant technology, tool utility and availability, and other information that may prove to be valuable for the software work effort.
- 7) Advise program management in areas relating to the software effort.

The Software IPT is not responsible for the management of the software effort, for performing software quality assurance, or for acting

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as an Independent Verification and Validation (IV&V) agent. The Software IPT however shall rely on existing program management and on the Quality Assurance (QA) and IV&V function to provide sufficient information to facilitate their monitoring of progress and adherence to plan. The Software IPT shall provide input to all IPRs and technical reviews.

#### C.7.3.7 Software Requirements Specification (SRS)

The contractor shall provide a SRS in accordance with CDRL A031.

#### C.7.3.8 Software Test Plan (STP)

The contractor shall develop a STP in accordance with CDRL A032.

#### C.7.3.9 Software Test Report (STR)

The contractor shall provide a STR in accordance with CDRL A033.

#### C.7.3.10 Software Version Description (SVD)

The contractor shall provide a SVD in accordance with CDRL A034.

#### C.7.3.11 Traceability

Traceability shall be identified and maintained from the system level requirements to the applicable test cases which demonstrate compliance with the requirement. Traceability shall be provided to and from the predecessor documents to include the Software Requirements Specification, Interface Requirements Specification, Software Design Document, and Software Test Description.

#### C.7.3.12 Software Test Program

The contractor shall establish, implement, and conduct a Software Test Program, including Software Item (SI) integration testing and Software Unit (SU) testing in accordance with software testing practices outlined in Institute of Electrical and Electronics Engineers/Electronic Industries Association IEEE/EIA 12207. In addition to complying with IEEE/EIA 12207, Testing shall be performed as follows:

- 1) The testing shall be performed as documented in the Software Test Description (STD). The STD shall identify the use of emulators or simulators and laboratory hardware as required.
- 2) The contractor shall conduct a Software Testing in accordance with the Software Test Plan and the Software Test Description. The current version of the STD shall be utilized to describe any test scenario required in support of testing the SRS requirements. The software testing shall be performed against the requirements documented in the SRS.
- 3) The contractor shall finalize a Software Test Report in accordance with CDRL A033. The report shall document the results for the impacted software.
- 4) The contractor shall conduct a Regression Test within 30 days of the conclusion of the Software Test, in order to demonstrate all fixes to problems identified in the Software Test Report. A regression test analysis shall be accomplished to determine the appropriate degree of re-testing necessary to assure proper implementation of the change and that no resulting degradation of system performance has been introduced.

#### C.7.3.13 Software Quality Assurance (SQA)

SQA shall be maintained throughout the systems life cycle. SQA procedures and practices shall be implemented to ensure that the operational integrity of the systems software is maintained. The SQA program shall be part of the management reporting system during all phases of the software development. Additionally, the SQA program shall utilize analyses and assessments, documentation reviews, design reviews, and shall monitor tests and audits to ensure compliance with the requirements.

#### C.7.3.14 Software Configuration Management

Configuration Management shall maintain the Software Release Library containing the software source code and object files. Configuration Management shall also maintain the library of software documentation. Government Software IPT representatives will use the Configuration Management Plan to aid in their understanding of the contractor's configuration management techniques and methodology.

#### C.7.3.15 Software Independent Val/Ver

The contractor shall provide access to all information necessary to analyze the software and firmware modifications as the development progresses. Access provided to the Government Representative shall include the following:

- 1) Access to the software maintenance library; all software, software reviews, meetings minutes, program listings, documentation (including design notebooks and Software Development Files (SDFs)).
- 2) Software Problem Correction Reports (PCRs) and TIRs, configuration status accounting records and reports, and all internal reviews

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and audits.

3) Access to all levels of testing, test results, raw test data, reduced test data, and observations written by the test conductor.

#### C.7.3.16 Software Metrics

The contractor shall track, provide, and present the Software Metrics identified below. The Software Metrics shall clearly portray variances between actual and planned performance, provide early detection or prediction of situations that require management attention, and support the assessment of the impact of proposed changes on the program. These indicators shall be implemented consistent with internal developer systems. The contractor shall update the Software Metrics for any changes as a result of obsolescence or new capabilities, and ensure the resources are adequate. The Software Metrics shall be presented at IPT meetings and design reviews.

- 1) Software Size
- 2) Requirements Definition and Stability
- 3) Software Progress (Design, Coding, and Testing)
- 4) Software Development Staffing
- 5) Earned Value Management (Cost and Schedule Variance)

#### C.8 Contractor Performance Measurement

##### C.8.1 Contract Work Breakdown Structure (CWBS)

The contractor shall develop and maintain the CWBS and deliver in accordance with CDRL A035. The contractor shall use the CWBS as the primary framework for contract planning, budgeting, and reporting of the cost, schedule and technical performance status to the Government. The contractor shall analyze the system requirements generated and translate them into a structure representing the products and services that comprise the entire work effort commensurate with the acquisition phase and contract requirements.

##### C.8.2 Performance Measurement System (PMS)

The contractor shall utilize their existing, internal performance management system (PMS) to plan, schedule, budget, and monitor, manage, and report cost, schedule, and technical status applicable to the contract. The contractor's internal PMS shall serve as the single, integrated system that meets both the contractor's internal management requirements and the requirements of the Government for timely, reliable, and auditable performance information. The contractor's system shall comply with ANSI/EIA-748, the Earned Value Management (EVM) General Provisions of the contract and this Statement of Work, however the Government will not formally validate the contractor's EVM system. The contractor shall not establish a separate or unique internal PMS for purposes of planning, scheduling, directing, status reporting, recording, or reporting progress under this contract.

##### C.8.3 Integrated Baseline Review (IBR)

An IBR focusing on the realism of the contractor's integrated Performance Measurement Baseline (PMB) and the appropriateness of the earned value methodology to be employed under the contract shall occur as soon as possible after the contract PMB is in place, but, in no event without specific authorization of the contracting officer or his/her authorized representative, shall this IBR be delayed past sixth months after contract award. Participation in the IBR shall be a joint responsibility of both the Government and the contractor. The IBR shall be performed at the contractor's facility and shall last no longer than two, eight hour days. The Government will provide an agenda no later than 30 days after contract award.

##### C.8.4 Integrated Program Management Report (IPMR)

The contractor shall report Earned Value Management data as applicable to this contract in accordance with the requirements stated herein and the IPMR. All reporting shall correspond to applicable CWBS elements. These reports shall be delivered in accordance with CDRL A036.

##### C.8.5 Contractor Manpower Reporting

The contractor shall report all contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract for the MOB Kit Integration via a secure data collection site. The contractor is required to completely fill in all required data fields using the following web address: <http://www.ecmra.mil>. Reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. 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 2014. Contractors may direct questions to the help desk at: <http://www.ecmra.mil>.

\*\*\* END OF NARRATIVE C0001 \*\*\*

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<u>Status</u>	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
C-1 CHANGED	52.204-4003 (TACOM)	START OF WORK MEETING	MAY/2000

The contractor shall host a start of work meeting at its facility, unless some other location is designated in the contract, within 30 days after contract award. The contractor shall at a minimum invite the Contracting Officer's Representative (COR) identified in Section G or in an appointment letter, the Contract Specialist identified on the face page of this document, and the Administrative Contracting Officer (ACO). The COR, Contract Specialist, and ACO shall be given at least 14 days advance notice of the time, date, and location of the start of work meeting. The preferred method of notification is by email.

[End of Clause]

C-2 ADDED	52.237-4000 (TACOM)	CONTRACTOR MANPOWER REPORTING (CMR)	FEB/2013
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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).

Reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. 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]

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SECTION D - PACKAGING AND MARKING

D.1 Item Unique Identification (IUID)

The contractor shall implement specific IUID marking, as defined in MIL-STD-130 and DFARS clauses 252.211-7003, 252.211-7007. For all commercial contracts, the contractor shall comply with DFARS clauses, 252.245-7001, 252.245-7002, 252.245-7003, 252.245-7004 and 252.246-7006. The IUID marking shall be incorporated into existing data plates when possible. Bar Coding and the two-dimensional IUID data matrix shall be readable by current optical scanning devices and be accompanied by the corresponding human readable markings when practical. All 2D data matrix shall be permanently affixed and have the ability to withstand and perform within the same environmental conditions as the MOB Program. Whenever practical, the location of the marking on the item shall ensure its readability during normal operational use.

D.1.1 IUID Marking Report

The contractor shall prepare a recommended IUID marking report based on the criteria outlined in the Implementation Plan for Item Unique Identification for the Family of Light Armored Vehicles, Attachment 0005. Based on Government acceptance of the Final Marking Report the Technical Data associated with the agreed upon IUID marked items shall be updated accordingly. The contractor shall provide a recommended IUID marking report in accordance with CDRL A037.

D.1.2 Marking IUID Components

The contractor shall coordinate with PMO-LAV to determine type and physical location of IUID part marking as specified in MIL-STD-130M, Identification Marking of US Military Property (within Change 1). The contractor shall ensure that Item Unique Identification (IUID) tag marking information is directly added to Technical Data Package 2-D CAD drawings and 3-D CAD solid models. The IUID information in drawings, solid models, and associated lists shall indicate method of marking, label-plate material composition, engineering and testing requirements, UID marking application process documentation, and the 2-dimensional data matrix (ECC 200 symbol in accordance with ISO/IEC 16022) location and orientation. The IUID information placement shall be standardized and located adjacent to the drawing and solid model note or dimension(s) defining the UID part marking.

D.2 Packaging Data

D.2.1 Equipment Preservation Data Sheets (EPDS)

The contractor shall modify the Equipment Preservation Data Sheets (EPDS) provided as GFI on the GFP List, Attachment 0002, for each variant and deliver in accordance with CDRL A038. The Government will determine if all or selected portions of the equipment preservation data procedures shall require validation to determine the adequacy of the vehicle preservation procedures. The Government may witness the contractors validation.

\*\*\* END OF NARRATIVE D0001 \*\*\*

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## SECTION E - INSPECTION AND ACCEPTANCE

## E.1 Quality Program

## E.1.1 Quality 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. The quality system shall meet the requirements of ISO 9001:2008 or equivalent. Government approval of the Quality System is not required, if at the time of contract award, the contractor is registered by a registrar who is approved by the International Automotive Oversight Board (IAOB) or equivalent. The contractor's Quality System requirements shall apply at the place of vehicle in-process and final assembly. The quality system shall address all software and hardware contractual requirements. The quality system and manual shall follow the guidelines within ISO 9004:2000.

## E.1.2 Quality Management System

The contractor's management system shall document and verify their review and acceptance of subcontractor quality assurance systems including the development of control plans. Documentation shall be made available for review upon Government request. If determined to be acceptable, the contractor should use the subcontractor's accepted system when conducting quality audits. The Government reserves the right to perform quality audits at the contractor's facility as deemed necessary.

## E.1.2.1 Quality Planning

The contractor and subcontractors shall establish Product Quality Plans and Control Plans that define the steps necessary to assure that the products and services delivered meet the contract requirements. The Government reserves the right to review prime and subcontractor quality plans at the prime contractor's facility as deemed necessary.

## E.1.3 Control Plans

The contractor shall develop and maintain process control plans that ensure compliance with the requirements in this contract. Specific operations in the manufacture of the products and assemblies must be identified that are used to ensure conformance to the requirements. The Control Plans should include outputs from the Process Failure Modes and Effects Analysis (FMEA). Special or key characteristics, whether identified by the customer or the contractor, must be included 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 contractor's facility in the event of an undesirable measurement. The control plans shall be treated as a living document and shall always reflect the current process. Control plans should be controlled documents and retained for the life of the contract. Control Plans shall be made available for Government on site review.

## E.1.4 Supplier Quality Assurance

The contractor shall have a supplier quality assurance program that requires suppliers to be compliant to ASME/ISO/ASQ Q9001-200 or equivalent. The contractor's supplier quality assurance program shall assure each supplier has a documented quality system which includes development, implementation and maintenance of control plans for all LAV MOB Kits.

## E.2 Test Incident Reports (TIRs) and Failure Analysis Corrective Action Response (FACARs)

Test failure, defects, and deficiencies are defined as conditions that do not meet the requirements of the Performance Specification, Attachment 0001, and the contract. All test failures, defects, and deficiencies are captured in TIRs, released through VISION (Versatile Information Systems Integrated On-line Nationwide) Digital Library System (VDLS).

## E.2.1 Failure Analysis Corrective Action Response (FACAR)

The contractor shall investigate, and provide a FACAR to all Test Incident Reports (TIRs) submitted by the Government as a result of DT in accordance with CDRL A039.

## E.2.1.1 TIR Classifications

- 1) Critical. A Critical TIR
  - a) Involves a catastrophic or critical hazard related to health or safety of personnel (death or severe injury or occupational illness).
  - b) Involves a catastrophic safety hazard to the item or system under test (unplanned system loss).
  - c) Reports test results that make test suspension or termination advisable.
- 2) Major. A Major TIR
  - a) Involves a marginal hazard to health or safety of personnel.
  - b) Involves a critical safety hazard to the item or system under test (unplanned major system damage).
  - c) Reports the inability of the test item (including diagnostic equipment, tools, publications, software, etc.) to meet a critical or essential functional area, design, or performance requirement.

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- d) Reports subtest results that reflect inadequate performance.
- e) Involves repetitive minor TIR incidents in which their cumulated effect could result in any of the above four conditions.
- 3) Minor. A Minor TIR
  - a) Reflects a malfunction, defect, hazard, or negative finding that does not qualify as Critical or Major.
  - b) Reports subtest results that reflect marginal performance.
- 4) Information TIR
  - a) Reports modifications to the tested item, current condition of the tested item, test findings, subtest results, safety release information, or other types of information.

E.2.1.2 Processing TIRs and FACARs

The contractor shall be responsible for accessing VDLS for all TIRs generated by the Government during Government-specified tests. The Government will screen all non-critical TIRs and will notify the contractor of required actions for the TIR. Contractor response times will be based on when the TIR notification is emailed to the contractor for all non-criticals. The response time for "Criticals" will be based on TIR release date. The contractor shall determine the root cause of the failure and electronically furnish a Failure Analysis and Corrective Action Report (FACAR) through VDLS, along with an email notification to PMO-LAV COR that the FACAR response has been input. The response time frames specified for Critical, Major and Minor TIRs shall apply for all TIR FACAR responses.

E.2.1.2.1 FACAR Responses

The contractor shall prepare FACAR responses for all critical TIRs and those non-critical TIRs which the Government has requested FACARS for, within the specified timeframes unless the contractor has submitted an interim response, then final responses are required on the date provided on the interim response. The contractor shall indicate the recommended corrective action and status ("Final" or "Interim") on each FACAR. The Government will evaluate each final FACAR and determine if it is acceptable to close, or if it should remain open pending further information or testing. The COR shall notify the contractor if further information or action is required or if the TIR is closed. The contractor shall provide FACARS electronically in VDLS with an email notification to the Government within the following specified timelines:

- 1) Critical Test Incident - 48 hours after receipt of TIR.
- 2) Major Test Incident - Within ten (10) days after receipt of TIR.
- 3) Minor Test Incident Thirty (30) days after receipt of TIR.
- 4) Info - Test Incident Thirty (30) days after receipt of TIR, if required.

E.2.1.2.1.1 Interim Response

If a final FACAR cannot be provided within the time frames specified in CDRL A039 the contractor shall submit an interim response within the following timelines:

- 1) Critical TIRs - 24 hours after receipt.
- 2) Major TIRs - 3 days after receipt.
- 3) Minor TIRs - 10 days after receipt.

E.3 Final Inspection Record (FIR)

The contractor shall update and deliver the LAV-A2 FIR, as delivered as GFI for each LAV variant with the MOB kit and MOB kit interfaces and deliver in accordance with CDRL A002.

E.3.1 Government Acceptance of Vehicles for Test

Government acceptance of vehicles with MOB kit installed prior to test shall be in accordance with the FIR, CDRL A002, and clause 52.246-8, Inspection of Research and Development Cost Reimbursement.

E.4 Final Acceptance of MOB Integration Vehicles

The seven MOB Integration vehicles shall be delivered to the Government in the Final Product Baseline configuration, for final acceptance, in accordance with Section C.5.4.4. The Government shall accept the seven MOB Integration vehicles in accordance with the FIR, CDRL A002 and the Performance Specification, Attachment 0001.

\*\*\* END OF NARRATIVE E0001 \*\*\*

<u>Status</u>	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
E-1 ADDED	52.246-5	INSPECTION OF SERVICES--COST-REIMBURSEMENT	APR/1984
E-2 ADDED	52.246-9	INSPECTION OF RESEARCH AND DEVELOPMENT (SHORT FORM)	APR/1984
E-3 ADDED	52.246-16	RESPONSIBILITY FOR SUPPLIES	APR/1984

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<u>Status</u>	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
E-4 ADDED	52.211-4029 (TACOM)	INTERCHANGEABILITY OF COMPONENTS	MAY/1994

(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 your expense.

(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.

[End of clause]

E-5 ADDED	(52.246-4009) (TACOM)	INSPECTION AND ACCEPTANCE POINTS: DESTINATION	FEB/1995
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Inspection and acceptance of supplies offered under this purchase order shall take place as specified here. Inspection: DESTINATION. Acceptance: DESTINATION.

[End of Clause]

E-6 CHANGED	52.246-4028 (TACOM)	INSPECTION AND ACCEPTANCE POINTS: ORIGIN	NOV/2005
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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: GDLS-C 56161  
(Name) (CAGE)

1991 Oxford Street London ON N5V 2Z7  
(Address) (City) (State) (Zip)

ACCEPTANCE POINT: GDLS-C 56161  
(Name) (CAGE)

1991 Oxford Street London ON N5V 2Z7  
(Address) (City) (State) (Zip)

[End of Clause]

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## SECTION F - DELIVERIES OR PERFORMANCE

1. The Government will use the following DoDAACs to ship the vehicles, GFE, and GFM being provided for performance of this contract.

Vehicles shipping DoDAAC:

GFE and GFM shipping DoDAAC:

\*\*\* END OF NARRATIVE F0001 \*\*\*

Status	Regulatory Cite	Title	Date
F-1 ADDED	52.247-29	F.O.B. ORIGIN	FEB/2006
F-2 ADDED	52.247-30	F.O.B. ORIGIN, CONTRACTOR'S FACILITY	FEB/2006
F-3 ADDED	52.247-55	F.O.B. POINT FOR DELIVERY OF GOVERNMENT-FURNISHED PROPERTY	JUN/2003
F-4 ADDED	52.247-58	LOADING, BLOCKING, AND BRACING OF FREIGHT CAR SHIPMENTS	APR/1984
F-5 ADDED	52.247-59	F.O.B. ORIGIN--CARLOAD AND TRUCKLOAD SHIPMENTS	APR/1984
F-6 ADDED	52.247-65	F.O.B. ORIGIN, PREPAID FREIGHT--SMALL PACKAGE SHIPMENTS	JAN/1991
F-7 ADDED	252.211-7007	REPORTING OF GOVERNMENT-FURNISHED PROPERTY	AUG/2012
F-8 CHANGED	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)

ITEM NO.	QTY	WITHIN DAYS AFTER DATE OF CONTRACT AWARD
N/A	N/A	N/A

(2) GOVERNMENT REQUIRED DELIVERY SCHEDULE IF THERE IS NO FIRST ARTICLE TEST (FAT), OR IF FAT IS WAIVED

ITEM NO.	QTY	WITHIN DAYS AFTER DATE OF CONTRACT AWARD
0001	See Section B	365 days
0002	See Section B	365 days
0003AB	See Section B	See Section B
0004AB	1	See Section B
0004AC	1	See Section B
1001AA	3	See Section B
1001AB	1	See Section B
1001AC	1	See Section B
1001AD	1	See Section B
1001AE	1	See Section B
9997AA	1	See Section B

(d) Accelerated delivery schedule is acceptable, at no additional cost to the Government.

(e) If an accelerated delivery schedule is not acceptable, the required delivery schedule above will apply. If it is

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acceptable, you may propose an accelerated delivery schedule at no additional cost; fill in the appropriate information here:

- (1) OFFERORS PROPOSED ACCELERATED DELIVERY SCHEDULE WITH FIRST ARTICLE TEST (FAT)

ITEM NO. QTY WITHIN DAYS AFTER DATE OF CONTRACT AWARD

- (2) OFFERORS PROPOSED ACCELERATED DELIVERY SCHEDULE WITHOUT FIRST ARTICLE TEST (FAT), or IF FAT IS WAIVED

ITEM NO. QTY WITHIN DAYS AFTER DATE OF CONTRACT AWARD

[End of Clause]

F-9 ADDED 52.247-4005 SHIPMENT OF SUPPLIES AND DETENTION OF CARRIERS EQUIPMENT AUG/2003  
(TACOM)

- (a) Unless otherwise directed, shipment items under this contract in following order of priority:

- (1) Government/Commercial Bill(s) of Lading or US Postal Services;
- 
- (2) Prepaid Commercial Bill(s) of Lading with transportation charges entered as a separate item on the invoice; or
- 
- (3) As otherwise instructed when the contract prohibits use of Government funds for transportation costs.

- (b) The Contractor will request:

- (1) Government Bills of Lading and

(2) Routing and other instructions, including Defense Transportation Regulation (DTR), DOD Regulation 4500.9-R-Part 2 Cargo Movement, as to the methods of shipment to be followed by the Contractor, or

(c) The Contractor and subcontractor(s) must allow prompt and convenient access of carrier's equipment to loading docks or platforms where the contract items supplies will be loaded. Any charges for detention of carrier's equipment shall be for the account of the Contractor, except when the detention is required or caused by the Government.

[End of Clause]

F-10 CHANGED 52.247-4010 TRANSPORTATION DATA FOR FOB ORIGIN OFFERS FEB/1994  
(TACOM)

(a) Provide the following information for us to use in selecting the most favorable mode of shipment. We'll also use this information in our evaluation of transportation costs.

Offeror represents that:

- (1) Facilities for shipping by rail

[ ] are  
[ x ] are not

available at the F.O.B. point(s) stated in this solicitation.

- (2) If rail facilities are not available at the F.O.B. point(s), the name and location of the nearest team track is:

CN / CP RAILYARD QUEBEC ST, LONDON, ON, CDA

- (3) Facilities for shipping by water

[ ] are  
[ X ] are not



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SECTION G - CONTRACT ADMINISTRATION DATA

LINE	MIPR/ GFEBS ATA	OBLG STAT	JO NO/ ACCT ASSIGN	ACRN	PRIOR AMOUNT	INCREASE/ DECREASE	CUMULATIVE AMOUNT
0003	T131T2924K M9545014MPR3GJ4	2		AC	0.00 \$	180,442.29 \$	180,442.29
0004AB	T131T2924K M9545014MPR3GJ4	2		AC	0.00 \$	15,474,361.77 \$	15,474,361.77
0004AC	T141T2814K M9545014MPR4DC4	2		AD	0.00 \$	10,845,195.94 \$	10,845,195.94
NET CHANGE						\$ 26,500,000.00	

ACRN	ACCOUNTING CLASSIFICATION	INCREASE/ DECREASE
AC 17	41319M7KE25567854 0674432DC155504MPR3GJ42140	\$ 15,654,804.06
AD 17	41319M7KE25567854 0674432DC155504MPR4DC42140	\$ 10,845,195.94
NET CHANGE		\$ 26,500,000.00

NET CHANGE FOR AWARD:	PRIOR AMOUNT OF AWARD	INCREASE/DECREASE AMOUNT	CUMULATIVE OBLIG AMT
\$	1,804,422.90	\$ 26,500,000.00	\$ 28,304,422.90

LINE ITEM	ACRN	EDI/SFIS ACCOUNTING CLASSIFICATION	Title	Date
0003	AC 17	14161319M7KE 25567854 067443	2DC155504MPR3GJ42140 M9545014MPR3GJ4	067443
0004AB	AC 17	14161319M7KE 25567854 067443	2DC155504MPR3GJ42140 M9545014MPR3GJ4	067443
0004AC	AD 17	14151319M7KE 25567854 067443	2DC155504MPR4DC42140 M9545014MPR4DC4	067443

Status	Regulatory Cite	Title	Date
G-1 CHANGED	52.242-4016	COMMUNICATIONS	FEB/2013

Communications on technical matters pertaining to the contract shall be direct between the contractor and the Contracting Officer Representative (COR). Communications for the COR shall be addressed to:

Name: -1-  
E-mail: -2-

The Administrative Contracting Officer's (ACO) name and email address are also provided if known at this time:

ACO: -3-  
E-mail: -4-

Please see the appointment letters prepared at time of contract award for functions the Technical Representative and ACO will perform on this contract.

[End of Clause]

G-2 ADDED	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

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Affairs Program, dated 15 Sep 2000, 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

[www.asaie.army.mil/Public/IE/Toolbox/documents/r360\\_1.pdf](http://www.asaie.army.mil/Public/IE/Toolbox/documents/r360_1.pdf)

[End of Clause]

<b>CONTINUATION SHEET</b>	<b>Reference No. of Document Being Continued</b> <b>PIIN/SIIN</b> W56HZV-13-C-0231 <b>MOD/AMD</b> P00001	<b>Page 42 of 53</b>
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SECTION H - SPECIAL CONTRACT REQUIREMENTS

H.2 Commercial Warranties

The contractor shall provide to the Government for all items under the MOB kits any warranties the contractor receives from suppliers that can be flowed through to the Government.

\*\*\* END OF NARRATIVE H0002 \*\*\*

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## SECTION I - CONTRACT CLAUSES

<u>Status</u>	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
I-1 ADDED	52.203-13	CONTRACTOR CODE OF BUSINESS ETHICS AND CONDUCT	APR/2010
I-2 ADDED	52.210-1	MARKET RESEARCH	APR/2011
I-3 ADDED	52.216-8	FIXED FEE	JUN/2011
I-4 DELETED	52.216-11	COST CONTRACT--NO FEE	APR/1984
I-5 ADDED	52.222-17	NONDISPLACEMENT OF QUALIFIED WORKERS	JAN/2013
I-6 ADDED	52.222-41	SERVICE CONTRACT ACT OF 1965	NOV/2007
I-7 ADDED	52.227-1	AUTHORIZATION AND CONSENT	DEC/2007
I-8 ADDED	52.227-2	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT	DEC/2007
I-9 ADDED	52.227-3	PATENT INDEMNITY	APR/1984
I-10 ADDED	52.232-18	AVAILABILITY OF FUNDS	APR/1984
I-11 ADDED	52.243-2	CHANGES - COST-REIMBURSEMENT (AUG 1987) -- ALTERNATE V (APR 1984)	APR/1984
I-12 ADDED	52.245-9	USE AND CHARGES	APR/2012
I-13 ADDED	52.246-23	LIMITATION OF LIABILITY	FEB/1997
I-14 ADDED	52.249-14	EXCUSABLE DELAYS	APR/1984
I-15 ADDED	252.201-7000	CONTRACTING OFFICER'S REPRESENTATIVE	DEC/1991
I-16 ADDED	252.203-7003	AGENCY OFFICE OF THE INSPECTOR GENERAL	DEC/2012
I-17 ADDED	252.204-7002	PAYMENT FOR SUBLINE ITEMS NOT SEPARATELY PRICED	DEC/1991
I-18 ADDED	252.225-7004	REPORT OF INTENDED PERFORMANCE OUTSIDE THE UNITED STATES AND CANADA-- SUBMISSION AFTER AWARD	OCT/2010
I-19 ADDED	252.225-7041	CORRESPONDENCE IN ENGLISH	JUN/1997
I-20 ADDED	252.227-7019	VALIDATION OF ASSERTED RESTRICTIONS--COMPUTER SOFTWARE	SEP/2011
I-21 ADDED	252.227-7020	RIGHTS IN SPECIAL WORKS	JUN/1995
I-22 ADDED	252.227-7025	LIMITATIONS ON THE USE OR DISCLOSURE OF GOVERNMENT-FURNISHED INFORMATION MARKED WITH RESTRICTIVE LEGENDS	MAY/2013
I-23 ADDED	252.227-7026	DEFERRED DELIVERY OF TECHNICAL DATA OR COMPUTER SOFTWARE	APR/1988
I-24 ADDED	252.227-7030	TECHNICAL DATA--WITHHOLDING OF PAYMENT	MAR/2000
I-25 ADDED	252.227-7037	VALIDATION OF RESTRICTIVE MARKINGS ON TECHNICAL DATA	JUN/2013
I-26 ADDED	252.235-7011	FINAL SCIENTIFIC OR TECHNICAL REPORT	NOV/2004
I-27 ADDED	252.237-7010	PROHIBITION ON INTERROGATION OF DETAINEES BY CONTRACTOR PERSONNEL	JUN/2013
I-28 ADDED	252.245-7001	TAGGING, LABELING, AND MARKING OF GOVERNMENT-FURNISHED PROPERTY	APR/2012
I-29 ADDED	252.245-7002	REPORTING LOSS OF GOVERNMENT PROPERTY	APR/2012
I-30 ADDED	252.245-7003	CONTRACTOR PROPERTY MANAGEMENT SYSTEM ADMINISTRATION	APR/2012
I-31 ADDED	252.245-7004	REPORTING, REUTILIZATION, AND DISPOSAL	MAY/2013
I-32 ADDED	252.246-7001	WARRANTY OF DATA	DEC/1991
I-33 ADDED	252.247-7028	APPLICATION FOR U.S. GOVERNMENT SHIPPING DOCUMENTATION/INSTRUCTIONS	JUN/2012
I-34 CHANGED	52.217-8	OPTION TO EXTEND SERVICES	NOV/1999

The Government may require continued performance of any services within the limits and at the rates specified in the contract. These rates may be adjusted only as a result of revisions to prevailing labor rates provided by the Secretary of Labor. The option provision may be exercised more than once, but the total extension of performance hereunder shall not exceed 6 months. The Contracting Officer may exercise the option by written notice to the Contractor within 1095 days.

(End of Clause)

I-35 CHANGED 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 AMOUNT TO BE NEGOTIATED 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.

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(b) Any request for estimated overtime premiums that exceeds the amount specified above shall include all estimated overtime for contract completion and shall --

(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-36 ADDED 52.222-42 STATEMENT OF EQUIVALENT RATES FOR FEDERAL HIRES MAY/1989

In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5332.

This Statement is for Information Only:  
It is not a Wage Determination

Employee Class	Monetary Wage -- Fringe Benefits

(End of Clause)

I-37 CHANGED 52.229-9 TAXES--COST REIMBURSEMENT CONTRACTS WITH FOREIGN GOVERNMENTS MAR/1990

(a) Any tax or duty from which the United States Government is exempt by agreement with the Government of Canada, or from which any subcontractor under this contract is exempt under the laws of Canada, shall not constitute an allowable cost under this contract.

(b) If any subcontractor obtains a foreign tax credit that reduces its Federal income tax liability under the United States Internal Revenue Code (Title 26, U.S. Code) because of the payment of any tax or duty that was reimbursed under this contract, the amount of the reduction shall be paid (not credited to the contract) to the Treasurer of the United States at the time the Federal income tax return is filed.

(End of Clause)

I-38 DELETED 52.232-16 PROGRESS PAYMENTS APR/2012

I-39 CHANGED 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 FIFTEEN (to be negotiated) 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

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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 FIFTEEN (to be negotiated) 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;
  - (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

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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)

I-40 CHANGED 252.234-7002 EARNED VALUE MANAGEMENT SYSTEM  
(a) Definitions. As used in this clause--

MAY/2011

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

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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 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:

All subcontractors with cost or incentive type subcontracts valued at \$50M or more, where the subcontract is directly attributable to CLINs on the prime contract subject to the requirements of this clause.

(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:

All subcontractors with cost or incentive type subcontracts valued between \$5M and \$50M, where the subcontract is directly attributable to CLINs on the prime contract subject to the requirements of this clause.

(End of clause)

(a) Prices set forth in this contract are exclusive of all taxes and duties from which the United States Government is exempt by virtue of tax agreements between the United States Government and the Contractors government. The following taxes or duties have been excluded from the contract price:

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NAME OF TAX: (Offeror insert) \_\_\_\_\_ RATE (PERCENTAGE): \_\_\_\_\_(Offeror insert)

(b) The Contractors invoice shall list separately the gross price, amount of tax deducted, and net price charged.

(c) When items manufactured to United States Government specifications are being acquired, the Contractor shall identify the materials or components intended to be imported in order to ensure that relief from import duties is obtained. If the Contractor intends to use imported products from inventories on hand, the price of which includes a factor for import duties, the Contractor shall ensure the United States Governments exemption from these taxes. The Contractor may obtain a refund of the import duties from its government or request the duty-free import of an amount of supplies or components corresponding to that used from inventory for this contract.

(End of clause)

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SECTION J - LIST OF ATTACHMENTS

<u>List of Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number of Pages</u>	<u>Transmitted By</u>
Exhibit A	DELETED SEE EXHIBITS AU AND AV FOR CDRLS A001 AND A002	11-MAR-2014	001	
Exhibit B	CDRL A003 RECEIPT OF GOVERNMENT FURNISHED MATERIAL REPORT	11-MAR-2014	001	
Exhibit C	CDRL A004 DISCARD MATERIAL LIST	11-MAR-2014	001	
Exhibit D	CDRL A005 AGENDAS AND READ-AHEAD PRESENTATION MATERIAL	11-MAR-2014	001	
Exhibit E	CDRL A006 MINUTES	11-MAR-2014	001	
Exhibit F	CDRL A007 CONTRACTOR VERIFICATION TEST RESULTS	11-MAR-2014	001	
Exhibit G	CDRL A008 RELIABILITY PREDICTION AND DOCUMENTATION OF SUPPORTING DATA	11-MAR-2014	001	
Exhibit H	CDRL A009 INTEGRATED MASTER SCHEDULE (IMS)	11-MAR-2014	001	
Exhibit J	CDRL A010 SAFETY ASSESMENT REPORT (SAR)	11-MAR-2014	001	
Exhibit K	CDRL A011 HEALTH HAZARD ASSESSMENT REPORT (HHAR)	11-MAR-2014	001	
Exhibit L	CDRL A012 REQUEST FOR DEVIATION (RFD)	11-MAR-2014	001	
Exhibit M	CDRL A013 TECHNICAL DATA PACKAGE (TDP)	11-MAR-2014	001	
Exhibit N	CDRL A014 SYSTEM SUPPORT PACKAGE COMPONENT LIST (SSPCL)	11-MAR-2014	001	
Exhibit P	CDRL A015 FAILURE MODE, EFFECTS AND CRITICALITY ANALYSIS REPORT (FMECA)	11-MAR-2014	001	
Exhibit Q	CDRL A016 PROVISIONING PLAN	11-MAR-2014	001	
Exhibit R	CDRL A017 PROVISIONING TECHNICAL DOCUMENTATION (PTD)	11-MAR-2014	001	
Exhibit S	CDRL A018 ENGINEERING DATA FOR PROVISIONING (EDFP)	11-MAR-2014	002	
Exhibit T	CDRL A019 PROVISIONING SCREENING	11-MAR-2014	001	
Exhibit U	CDRL A020 INITIAL ISSUE PACKAGE (IIP) LIST	11-MAR-2014	001	
Exhibit V	CDRL A021 TECHNICAL PUBLICATIONS DELIVERIES	11-MAR-2014	001	
Exhibit W	CDRL A022 TECHNICAL PUBLICATIONS VALIDATION/VERIFICATION PLAN	11-MAR-2014	001	
Exhibit X	CDRL A023 MODIFICATION INSTRUCTION (MI)	11-MAR-2014	001	
Exhibit Y	CDRL A024 CALIBRATION AND MEASUREMENT REQUIREMENTS SUMMARY (CMRS)	11-MAR-2014	001	
Exhibit Z	CDRL A025 DATA FOR VIPER-T DEVELOPMENT	11-MAR-2014	001	
Exhibit AA	CDRL A026 TRAINING PROGRAM STRUCTURE DOCUMENTATION	11-MAR-2014	001	
Exhibit AB	CDRL A027 OPERATOR AND MAINTAINER COURSE STUDENT HANDOUTS	11-MAR-2014	001	
Exhibit AC	CDRL A028 LAV LICENSING EXAMS	11-MAR-2014	001	
Exhibit AD	CDRL A029 SOFTWARE DEVELOPMENT PLAN (SDP)	11-MAR-2014	001	
Exhibit AE	CDRL A030 SOFTWARE SOURCE CODE	11-MAR-2014	001	
Exhibit AF	CDRL A031 SOFTWARE REQUIREMENT SPECIFICATION (SRS)	11-MAR-2014	001	
Exhibit AG	CDRL A032 SOFTWARE TEST PLAN (STP)	11-MAR-2014	001	
Exhibit AH	CDRL A033 SOFTWARE TEST REPORT (STR)	11-MAR-2014	001	
Exhibit AI	CDRL A034 SOFTWARE VERSION DESCRIPTION (SVD)	11-MAR-2014	001	
Exhibit AJ	CDRL A035 CONTRACT WORK BREAKDOWN STRUCTURE	11-MAR-2014	001	
Exhibit AK	CDRL A036 INTEGRATED PROGRAM MANAGEMENT REPORTING (IPMR)	11-MAR-2014	001	
Exhibit AL	CDRL A037 IUID MARKING REPORT	11-MAR-2014	001	
Exhibit AM	CDRL A038 EQUIPMENT PRESERVATION DATA SHEETS (EPDS)	11-MAR-2014	001	
Exhibit AN	CDRL A039 FAILURE ANALYSIS CORRECTIVE ACTION RESPONSE (FACAR)	11-MAR-2014	002	
Exhibit AO	CDRL A040 CVT PLAN	11-MAR-2014	001	
Exhibit AP	CDRL A041 DELETED	11-MAR-2014	001	
Exhibit AQ	CDRL A042 DELETED	11-MAR-2014	001	
Exhibit AR	CDRL A043 MODIFICATION INSTRUCTION VALIDATION/VERIFICATION	11-MAR-2014	001	
Exhibit AS	CDRL A044 DELETED	11-MAR-2014	001	
Exhibit AT	CDRL A045 STTE LISTING	11-MAR-2014	001	
Exhibit AU	CDRL A001 MOB INTEGRATION ENGINEERING CHANGE PROPOSALS (ECPS)	11-MAR-2014	001	
Exhibit AV	CDRL A002 FINAL INSPECTION RECORD	11-MAR-2014	001	
Attachment 0001	PERFORMANCE SPECIFICATION			EMAIL
Attachment 0002	GFP LIST			EMAIL
Attachment 0003	DD254			EMAIL
Attachment 0004	TECHNICAL PUBLICATION DELIVERY SCHEDULE			EMAIL
Attachment 0005	IUID IMPLEMENTATION PLAN			EMAIL
Attachment 0006	MILSTD31000 WORKSHEETS			EMAIL
Attachment 0007	HAZARDOUS MATERIALS LIST & MSDS (PRIOR ATTACHMENT 0001)			EMAIL
Attachment 0008	ASSERTION OF INTELLECTUAL PROPERTY RIGHTS (PRIOR ATTACHMENT			EMAIL

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 50 of 53****PIIN/SIIN** W56HZV-13-C-0231**MOD/AMD** P00001**Name of Offeror or Contractor:** CANADIAN COMMERCIAL CORPORATION

<u>List of Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number of Pages</u>	<u>Transmitted By</u>
	0002)			
Attachment 0009	RFD LIST (PRIOR ATTACHMENT 0003)	08-OCT-2013	001	
Attachment 0010	DD254	DELETED	010	EMAIL

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**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 51 of 53****PIIN/SIIN** W56HZV-13-C-0231**MOD/AMD** P00001

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**Name of Offeror or Contractor:** CANADIAN COMMERCIAL CORPORATION

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## SECTION K - REPRESENTATIONS, CERTIFICATIONS, AND OTHER STATEMENTS OF OFFERORS

<u>Status</u>	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
K-1	252.227-7017	IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE RESTRICTIONS	JAN/2011
K-2 ADDED	252.227-7028	TECHNICAL DATA OR COMPUTER SOFTWARE PREVIOUSLY DELIVERED TO THE GOVERNMENT	JUN/1995

**CONTINUATION SHEET****Reference No. of Document Being Continued****Page 52 of 53**

PIIN/SIIN W56HZV-13-C-0231

MOD/AMD P00001

**Name of Offeror or Contractor:** CANADIAN COMMERCIAL CORPORATION

## SECTION L - INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS

<u>Status</u>	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
L-1 ADDED	252.225-7003	REPORT OF INTENDED PERFORMANCE OUTSIDE THE UNITED STATES AND CANADA-- SUBMISSION WITH OFFER	OCT/2010
L-2 CHANGED	52.216-1	TYPE OF CONTRACT	APR/1984

The Government contemplates award of a cost plus fixed fee contract resulting from modification P00001.

(End of Provision)

L-3 ADDED	52.215-4405	ACCESS TO THE DETROIT ARSENAL; IDENTIFYING CONTRACTOR EMPLOYEES; NON- DISCLOSURE STATEMENT	APR/2013
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- 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 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

Name of Offeror or Contractor: CANADIAN COMMERCIAL CORPORATION

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 (NISPO) 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 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]

A. CONTRACT LINE ITEM NO.: 9998AA D. SYSTEM/ITEM:  
B. EXHIBIT: B E. CONTRACT/PR NO: W56HZV-13-C-0231  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A003
  2. TITLE: RECEIPT OF GOVERNMENT FURNISHED MATERIAL REPORT
  3. SUBTITLE: MOB Program RECEIPT OF GOVERNMENT FURNISHED MATERIAL REPORT
  4. AUTHORITY: DI-MGMT-80269
  5. CONTRACT REFERENCE: C.2.1
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: Upon receipt of GFP 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk 16
  13. DATE OF SUBS. SUBMISSION: See Blk 16
  14. DISTRIBUTION:
    - A. ADDRESSEE: mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil
    - B. COPIES:
      - DRAFT: 0
      - FINAL: 1
      - REG REPRO:0

15. TOTAL COPIES: 1

16. REMARKS:

Block 4: Submissions must be prepared following the Preparation Instructions specified in DI-MGMT-80269.

Block 12: The Contractor shall provide the Government Furnished Equipment Report within 30 CAL days after receipt of the Government Furnished Equipment (GFE). The Government will review and provide direction within 30 CAL days.

Block 13: The Contractor shall have 10 CAL days to incorporate Government comments and submit a revision back to the Government.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suit file format (MS Word, MS Excel, MS Powerpoint, etc.).

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 16MAY13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: C  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A004
  2. TITLE: Discard Material List
  3. SUBTITLE: MOB Program Discard Material List
  4. AUTHORITY: Contractors Format
  5. CONTRACT REFERENCE: C.2.2
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: See Blk16 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
  13. DATE OF SUBS. SUBMISSION: See Blk16
  14. DISTRIBUTION:
    - A. ADDRESSEE: <mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil>
    - B. COPIES:
      - DRAFT: 0
      - FINAL: 1
      - REG REPRO:0
  15. TOTAL COPIES: 1
  16. REMARKS:

Block 4: The Discard list shall be prepared in the contractors format.

Block 12: The Contractor shall submit an initial discard list of material for each variant within 60 CAL days of each variants disassembly.

Block 13: A final submission shall be submitted as part of the Modification Instructions (MIs), CDRL A023.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suit file format (MS Word, MS Excel, MS Powerpoint, etc.).

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H. DATE: 30JUL13  
I. APPROVED BY: PM LAV  
J. DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: D  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A005
  2. TITLE: Agendas and Read-ahead Presentation Material
  3. SUBTITLE: MOB Program - Meeting Agenda
  4. AUTHORITY: DI-ADMN-81249A
  5. CONTRACT REFERENCE: C.4, C.4.3.1.1, C.4.3.2.1, C.4.3.3.1
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk 16
  13. DATE OF SUBS. SUBMISSION: See Blk 16
  14. DISTRIBUTION:
    - A. ADDRESSEE: <mailto:usarmy.detroit.tacom.mbx.lav-atm-cdrils@mail.mil>.
    - B. COPIES:
      - DRAFT: 0
      - FINAL: 1
      - REG REPRO:0
  15. TOTAL COPIES: 1
  16. REMARKS:

Block 4: Submissions shall be prepared following the Preparation Instructions specified in DI-ADMN-81249A.

Misc: Document shall have header or footer on each page containing the following information:

- Name of program
- Date of Submission
- Page number
- Author of document

Block 13: Draft agendas and read ahead meeting presentation material shall be provided a minimum of 7 CAL days prior to each review (with the exception of PDRs and CDRs) when available unless otherwise stated in Section C of this contract. The initial read ahead material shall be delivered 30 CAL days prior to the PDRs and CDRs. A final delivery of the agenda and read ahead material that incorporates any changes from the initial submittal shall be submitted a minimum of 7 CAL days prior to the meeting. The Government will provide comments within 3 CAL days. The contractor shall submit final agendas and read ahead meeting presentation material within 4 CAL days of receipt of Government comments.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.).

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA D. SYSTEM/ITEM:  
B. EXHIBIT: E E. CONTRACT/PR NO: W56HZV-13-C-0231  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A006
  2. TITLE: Minutes
  3. SUBTITLE: MOB Program Meeting Minutes
  4. AUTHORITY: DI-ADMN-81250A
  5. CONTRACT REFERENCE: C.4
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
  13. DATE OF SUBS. SUBMISSION: See Blk16
  14. DISTRIBUTION:
    - A. ADDRESSEE: <mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil>
    - B. COPIES:
      - DRAFT: 1
      - FINAL: 1
      - REG REPRO:0

15. TOTAL COPIES: 2

16. REMARKS:

Block 4: Submissions must be prepared following the Preparation Instructions specified in DI-ADMN-81250A.

Action item documentation, assignment of responsibility for completion and due dates shall be determined prior to adjournment of all reviews. A summary of all action items, responsible parties, and estimated completion dates shall be included with the minutes. Minutes shall also include a summary of discussions and key decisions made during the meeting.

Document shall have header or footer on each page containing the following information:

- Name of program
- Date of Submission
- Page number
- Author of document

Block 12 and 13: Draft minutes shall be delivered at least 7 CAL days after conducting review or meeting. The Government will provide comments within 7 CAL days. The Contractor shall submit final meeting minutes within 7 CAL days of receipt of Government comments.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS Powerpoint, etc.).

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV

H: DATE: 30JUL13

I: APPROVED BY: PM LAV

J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA D. SYSTEM/ITEM:  
B. EXHIBIT: F E. CONTRACT/PR NO:  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A007
  2. TITLE: Contractor Verification Test Results
  3. SUBTITLE: MOB Program CVT Results
  4. AUTHORITY: DI-MISC-80508B
  5. CONTRACT REFERENCE: C.1.5, C.4.3.4, C.6.1.1,
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
  13. DATE OF SUBS. SUBMISSION: See Blk16
  14. DISTRIBUTION:
    - A. ADDRESSEE: <mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil>
    - B. COPIES:
      - DRAFT: 0
      - FINAL: 1
      - REG REPRO:0

15. TOTAL COPIES: 1

16. REMARKS:

Block 4: Contractor format acceptable. Submissions must be prepared to address the requirements specified in DI-MISC-80508B and to follow the contract language specified in Block 5.

Block 12: The contractor shall deliver the first submission at the initial PDR.

Block 10/13: Any test results shall be submitted 10 CAL days after the contractors tests reports are approved internally. The results will be delivered at IPRs PDRs, and CDRs. The Government will review and submit comments within 10 CAL days. The Government comments shall be addressed in a resubmission from the contractor within 10 CAL days of receipt of comments.

Block 14: The submission shall be prepared and delivered in current Microsoft Office software suite (MS Word, MS Excel, and MS PowerPoint).

18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: G  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
- 1. DATA ITEM NO: A008
  - 2. TITLE: Reliability Prediction and Documentation of Supporting Data
  - 3. SUBTITLE: MOB Program Reliability Report
  - 4. AUTHORITY: DI-RELI-81497, MIL-HDBK-217
  - 5. CONTRACT REFERENCE: C.5.2.2
  - 6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  - 8. APP CODE: A 9. DIST. STATEMENT REQ: D
  - 10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  - 12. DATE OF FIRST SUBMISSION: See Blk16
  - 13. DATE OF SUBS. SUBMISSION: See Blk16
  - 14. DISTRIBUTION:
    - A. ADDRESSEE: <mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil>
    - B. COPIES:
      - DRAFT: 1
      - FINAL: 1
      - REG REPRO:0
  - 15. TOTAL COPIES: 2
  - 16. REMARKS:

Block 4: Submissions shall be prepared following the Preparation Instructions specified in DI-RELI-81497. The contractor shall use MIL-HDBK-217 as guidance. Reliability data shall be predicted based on the requirements in the Performance Specification, Attachment 0001. Where equipment reliability history data exists, this data shall take precedence over predicted data and be adjusted accordingly to thermal and environmental characteristics. The predictions shall be provided to the LRU level and updated each time design or mission profile changes significantly impact the MOB Integration. In the event where the system or subsystems provide redundant functional or physical capabilities, the reliability report shall separately summarize adjustments to the predictions and identify the Mission Reliability.

Block 12/13: The first submission shall be delivered at the first IPR. Updated Reliability Reports shall be submitted along with the read-ahead material for each PDR and CDR, and TRR. The final submittal shall be submitted along with the final ECPs to address any design changes resulting from testing.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

- 17. PRICE GROUP:
- 18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: H  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A009
  2. TITLE: Integrated Master Schedule (IMS)
  3. SUBTITLE: MOB Program IMS
  4. AUTHORITY: DI-MGMT-81861
  5. CONTRACT REFERENCE: C.3, C.4, C.4.1, C.4.3.2
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
  13. DATE OF SUBS. SUBMISSION: See Blk16
  14. DISTRIBUTION:
    - A. ADDRESSEE: mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil
    - B. COPIES:
      - DRAFT: 1
      - FINAL: 1
      - REG REPRO:0
  15. TOTAL COPIES: 2
  16. REMARKS:

Block 4: Contractor format is acceptable. The contractor shall submit an IMS in accordance with DI-MGMT-81861, formats 6.

The IMS shall be consistent with the CWBS and must be detailed sufficiently that critical and high-risk efforts are identified and planned as realistically to assure executability. The IMS shall be extended and expanded as the contract unfolds and additional insight is needed. The IMS shall also include the efforts of all activities, including contractor or supplier and subcontractor and present a current, integrated view of the contract or agreement that is consistent with resource plans, IPMRs, and other approved documentation. Furthermore the IMS should reflect those risks identified and documented in the contractors risk management plan.

Block 12/13: The initial submission shall be delivered as part of the contract proposal. The IMS shall next be presented at the contract Start of Work Meeting. Subsequent submissions are due on the 21st day of every month. PM-LAV shall have 7 CAL days to review and approve. The contractor shall have 7 CAL days to review and re-submit, if required.

Block 14: Contractor Format (PDF) and MS Project. Contractor format is official submission.

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: J  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A010
  2. TITLE: Safety Assessment Report (SAR)
  3. SUBTITLE: MOB Program - Safety Assessment Report (SAR)
  4. AUTHORITY: DI-SAFT-80102B
  5. CONTRACT REFERENCE: C.5.3.3
  6. REQUIRING OFFICE: AMSTA-CSD-LAV
  7. DD250 REQ: LT
  8. APP CODE: A
  9. DIST. STATEMENT REQ: D
  10. FREQUENCY: Two Times
  11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
  13. DATE OF SUBS. SUBMISSION: See Blk16
  14. DISTRIBUTION:
    - A. ADDRESSEE: mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil
    - B. COPIES:
      - DRAFT: 1
      - FINAL: 2
      - REG REPRO:0

15. TOTAL COPIES: 3

16. REMARKS:

Block 4: Submissions shall be prepared following DI-SAFT-80102B Safety Assessment Report (SAR). The contractor shall use MIL-STD-882\_ in preparation of these documents. Material Safety Data Sheets (MSDS) shall be included in the SAR.

Block 12: The contractor shall submit the initial SARs 30 CAL days prior to the TRR. The Government will have 10 CAL days for review of submitted SAR and provide comments back to the contractor. The Contractor shall incorporate the comments into the document within 10 CAL days after receiving the Governments comments.

Block 13: The contractor shall submit the final SARs along with the final ECP deliveries.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: K  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
- 1. DATA ITEM NO: A011
  - 2. TITLE: Health Hazard Assessment Report (HHAR)
  - 3. SUBTITLE: MOB Program - Health Hazard Assessment Report (HHAR)
  - 4. AUTHORITY: DI-SAFT-80106B
  - 5. CONTRACT REFERENCE: C.5.3.4
  - 6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  - 8. APP CODE: A 9. DIST. STATEMENT REQ: D
  - 10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  - 12. DATE OF FIRST SUBMISSION: See Blk16
  - 13. DATE OF SUBS. SUBMISSION: See Blk16
  - 14. DISTRIBUTION:

- A. ADDRESSEE: <mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil>
- B. COPIES:
  - DRAFT: 1
  - FINAL: 1
  - REG REPRO:0

15. TOTAL COPIES: 2

16. REMARKS:

Block 4: Submissions shall be prepared following DID DI-SAFT-80106B Health Hazard Assessment Report (HHAR). The HHAR shall be in contractor format. The HHAR shall identify hazards and assess the risks of the MOB Kit integration design, including software, batteries, and subsystem interfaces.

Block 12: The contractor shall submit the initial HHARs 30 CAL days prior to the TRR. The Government will have 10 CAL days for review of submitted SAR and provide comments back to the contractor. The Contractor shall incorporate the comments into the document within 10 CAL days after receiving the Governments comments.

Block 13: The contractor shall submit the final HHARs along with the final ECP deliveries.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: L  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A012
  2. TITLE: Request for Deviation (RFDs)
  3. SUBTITLE: MOB Program - RFDs
  4. AUTHORITY: DD FORM 1694
  5. CONTRACT REFERENCE: C.5.4.4.1
  6. REQUIRING OFFICE: AMSTA-CSD-LAV
  7. DD250 REQ: LT
  8. APP CODE: A
  9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ
  11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: ASREQ
  13. DATE OF SUBS. SUBMISSION: ASREQ
  14. DISTRIBUTION:
    - A. ADDRESSEE: <mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil>
    - B. COPIES:
      - DRAFT: 1
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      - REG REPRO:1

15. TOTAL COPIES: 3

16. REMARKS:

Block 4: The Contractor shall submit RFDs for authorization to depart from a particular requirement(s) of an items current approved configuration documentation for a specific number of units or a specified period of time. The RFD content shall include the following information:

- a. a complete description of the contract requirement affected and the nature of the deviation (non-conformance)
- b. number of units (and serial & lot numbers) to be delivered in this configuration
- c. any impacts to logistics support elements (such as software, manuals, spares, tools, and similar) being utilized by government personnel or to the operational use of the product
- d. information about remedial actions being taken to prevent reoccurrence of the non- conformance

Block 12/13: RFDs shall be submitted to the COR as required. The Government will have 15 CAL days to review the RFD and either approve or disapprove the request.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA D. SYSTEM/ITEM:  
B. EXHIBIT: M E. CONTRACT/PR NO: W56HZV-13-C-0231  
C. CATEGORY:  
TDP X TM \_\_\_\_\_ OTHER \_\_\_\_\_  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A013
  2. TITLE: Technical Data Package (TDP)
  3. SUBTITLE: MOB Program - TDP
  4. AUTHORITY: DI-SESS-80776A
  5. CONTRACT REFERENCE: C.5.5, H.2
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
  13. DATE OF SUBS. SUBMISSION: See Blk16
  14. DISTRIBUTION:
    - A. ADDRESSEE: mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil
    - B. COPIES:
      - DRAFT: 0
      - FINAL: 1
      - REG REPRO:0
  15. TOTAL COPIES: 1
  16. REMARKS:

Block 4: The TDP shall be accordance with MIL-STD-31000 Worksheets, Attachment 0006. The contractor shall use DI-SESS-80776A in preparation of these documents. The TDP shall incorporate the following TDP elements:

- a) Product Drawings and Models and Associated Lists DI-SESS-81000D
- b) Special Inspection Equipment Drawings and Models and Associated Lists DI-SESS-81004D
- c) Special Tooling Drawings and Models and Associated Lists DI-SESS-81008D
- d) FOLAV Data Plate Drawings
  - a. The contractor shall use MIL-STD-130N, Identification Marking of U.S. Military Property, Table IV (UII Construct 1 or 2) and Figure 1 as a guide when developing the data plates for the vehicles with the MOB Kit installed. The contractor shall include in a data plate drawing for each variant, with and without external applique armor installed, for a total of 14 data plate drawings. The Parent End Item 2D matrix shall contain human and machine-readable markings and shall be no less than 1 cm wide and no less than 40% contrast.
- e) Indentured Data Lists/Indentured Bill of Material (IBOM)
  - a. Contractor format is acceptable. The IBOM shall exhibit the final product as level 0 and indentured down to level five. Given the product structure, the IBOM may go past level 5. If an item is used in more than one parent within a given product structure, it appears more than once, under every subassembly in which it is used.
  - b. Diminishing Manufacturing Sources and Material Shortages (DMSMS) (NIN and Data Fields for LRU Component Level as available): The IBOM shall include content in accordance with DI-SESS-81656.

Block 12/13: Draft TDPs shall be delivered no later than CAL 10 CAL days after successful completion of the CDRs. Updated TDPs shall be delivered with ECP submissions, in accordance with CDRL A001.

Block 14: Submissions shall be made to PMO LAV on media with sufficient capacity (CD-ROM, DVD, portable firmware hard drive, or web-based medium) and shall include native files in NX6 format and in TIFF or PDF of associated drawings.

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: N  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A014
  2. TITLE: System Support Package Component List (SSPCL)
  3. SUBTITLE: MOB Program Test SSPCL
  4. AUTHORITY: Contractors Format
  5. CONTRACT REFERENCE: C.6.2.1.1
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: N/A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk 16
  13. DATE OF SUBS. SUBMISSION: See Blk 16
  14. DISTRIBUTION:
    - A. ADDRESSEE: <mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil>
    - B. COPIES:
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  15. TOTAL COPIES: 1
  16. REMARKS:

Block 4: The Contractor shall provide a SSPCL in contractors format. The SSPCL shall be broken out for the LAV-25, LAV-M, and the LAV-L variant. The SSPCL shall include special tools, TMDE new SL-3 components, and components for on vehicle maintenance. The listing shall contain NSN, nomenclature, part number, lead times, quantity per assembly, minimum buy quantities, volume discounts, and pricing for each item.

Block 12: The SSPCL priced list shall be due at the initial IPR.

Block 13: Updates to the SSPCL shall be delivered at the IPRs and shall be priced. Upon receipt of an RFP from the Government, the contactor shall have 30 CAL days to submit its priced proposals.

Block 14: Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

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G. PREPARED BY: PM LAV  
H. DATE: 30JUL13  
I. APPROVED BY: PM LAV  
J. DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA D. SYSTEM/ITEM:  
B. EXHIBIT: P E. CONTRACT/PR NO: W56HZV-13-C-0231  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_

F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A015
  2. TITLE: Failure Mode, Effects and Criticality Analysis Report (FMECA)
  3. SUBTITLE:
  4. AUTHORITY: DI-ILSS-81495
  5. CONTRACT REFERENCE: C.5.2.1
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: See Blk16 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
  13. DATE OF SUBS. SUBMISSION: See Blk16
  14. DISTRIBUTION:
    - A. ADDRESSEE: <mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil>
    - B. COPIES:
      - DRAFT: 1
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      - REG REPRO:0
  15. TOTAL COPIES: 2
  16. REMARKS:

Block 4: Submissions for FMECA reports must be in Contractor format prepared to the requirements specified in contract language specified in Block 5. The contractor should use MIL-STD-1629A for guidance.

Block 12: The contractor shall deliver the FMECA Report electronically to PM-LAV 30 CAL days prior to the initial Supportability Review Meeting, along with the read ahead package, CDRL A005.

Block 13: The contractor has 10 CAL days after the Supportability Review Meeting to incorporate any changes from the meeting and deliver the final report.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

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G. PREPARED BY: PM LAV  
H: DATE: 16MAY13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA D. SYSTEM/ITEM:  
B. EXHIBIT: Q E. CONTRACT/PR NO: W56HZV-13-C-0231  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_

F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A016
  2. TITLE: Provisioning Plan
  3. SUBTITLE: MOB Program Provisioning Plan
  4. AUTHORITY: DI-MISC-80508B
  5. CONTRACT REFERENCE: C.7.1.2.1
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: N/A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk 16
  13. DATE OF SUBS. SUBMISSION: See Blk 16
  14. DISTRIBUTION:
    - A. ADDRESSEE: <mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil>
    - B. COPIES:
      - DRAFT: 1
      - FINAL: 1
      - REG REPRO:0
  15. TOTAL COPIES: 2
  16. REMARKS:

Block 4: This provisioning plan shall provide an estimated number of lines of provisioning, changes, and additions. The provisioning plan shall contain a list of items no longer required for use on the FOLAVs to include SL-3 and SL-4 components.

Block 12/13: The contractor shall deliver the initial provisioning plan 30 CAL days prior to the initial SRM. The Government will provide comments 15 CAL days after receipt and the contractor shall update the plan and deliver at the initial Provisioning Meeting.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: R  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A017
  2. TITLE: Provisioning Technical Documentation (PTD)
  3. SUBTITLE: MOB Program Logistics Management Information (LMI)
  4. AUTHORITY: Contractors Format
  5. CONTRACT REFERENCE: C.7.1.2.2, C.7.1.2.3
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: N/A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Block 16
  13. DATE OF SUBS. SUBMISSION: See Block 16
  14. DISTRIBUTION:
    - A. ADDRESSEE: mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil
    - B. COPIES:
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      - FINAL: 1
      - REG REPRO:0
  15. TOTAL COPIES: 2
  16. REMARKS:

Block4: The Contractor shall deliver the Provisioning Technical Documentation in contractor format. The contractors provisioning data must conform to the Marine Interactive Computer Aided Provisioning System (MICAPS) format(s) as specified at the following website <http://www.logcom.usmc.mil/smc/micaps/default.asp>. MICAPS supports data import, export and data entry in Standard Provisioning formats, i.e., 1388.2B; and LSA-036 sequential file. The contractor shall use GEIA-STD-0007-A, GEIA-HB-0007-A, and MIL-HDBK-502 as guidance in identifying content, delivery, and related requirements for logistics data. The provisioning data shall contain all logistics data required for assemblies, subassemblies, SL-3, SL-4, kits, special tools, and common tools required to support the MOB kits integration. It shall provide:

- a. Provisioning Parts List (PPL)
- b. Long Lead Time Items List (LLTIL) for any items greater than 6 months.
- c. Common and Bulk Items List (CBIL) contains those items that are difficult or impractical to list on a top down/disassembly sequence PPL, but for which provisioning is required to support the operation of the end item/equipment. The Contractor shall, at a minimum, indicate the material type, grade and class.
- d. Design Change Notices (DCN) to identify changes to the PTD which add to, delete, supersede or modify items previously listed.

Block 12/13: Each submission of the PTD shall be delivered to the Government no later than 60 CAL days prior to provisioning meeting. The Government will provide comments at the Provisioning Meeting and the contractor shall update the PTD and deliver 15 CAL days after receipt of Government comments.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA D. SYSTEM/ITEM:  
B. EXHIBIT: S E. CONTRACT/PR NO: W56HZV-13-C-0231  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A018
  2. TITLE: Engineering Data For Provisioning (EDFP)
  3. SUBTITLE: MOB Program - EDFP
  4. AUTHORITY: DI-SESS-81874
  5. CONTRACT REFERENCE: C.7.1.2.4
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: N/A 9. DIST. STATEMENT REQ: A
  10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: ASREQ
  13. DATE OF SUBS. SUBMISSION: N/A
  14. DISTRIBUTION:
    - A. ADDRESSEE: <mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil>
    - B. COPIES:
      - DRAFT: 0
      - FINAL: 1
      - REG REPRO:0
  15. TOTAL COPIES: 1
  16. REMARKS:

Block 4: The EDFP shall include parts list, detail and assembly illustrations, interface control illustrations, performance characteristics, Vendor illustrations, or commercial parts book pages that clearly identify each new item and its part number. EDFP shall be marked with PLISN in a location that can be easily associated to the appropriate part. Each drawing shall be marked to identify it as EDFP. For each provisioning meeting, the contractor shall have one hard copy of EDFP available for review including the top assembly illustration. Submissions shall be for each P source-coded part number being provisioned, not having a valid NATO Stock Number (NSN) or for which the USMC is not a registered user. Illustrations shall be annotated with the PLISN and Provisioning Contract Control Number (PCCN) for the system. The following shall apply to EDFP:

- A. Illustration drawings shall be provided in PLISN sequence.
- B. Suitable EDFP shall contain the following: Part Number, PLISN (assigned by PMO-LAV provisioning) CAGE Code of preferred Vendor Source, Nomenclature, Basic Characteristics Data (for Fed Log), and Government Distribution Statement. Each EDFP shall be saved as an individual file named PLISN space Part Number or PLISN Part Number (e.g. AAAA 111111 or AAAA\_111111) and shall be marked For Provisioning Use Only. Drawings must conform to ASME Y14.1, Y14.5, Y14.24, Y14.34, Y14.35, Y14.38, Y14.100, and MIL-STD-31000.
- C. After illustrations are approved as suitable for NSN assignment, the illustrations shall be submitted on CD in Adobe Acrobat, PDF or .tiff.
- D. Text on all illustrations shall be in English.
- E. Each illustration shall have approved Vendor Commercial and Government Entity (CAGE) Code and Part Number shall be typed, stamped, or written legibly.
- F. All Catalog illustrations used for provisioning shall include Nomenclature, a brief description, to include Basic Characteristics (for Fed Log).
- G. EDFP in support of COTs and NDI equipment. The EDFP shall be in accordance with Section C.2.2 of DOD 4140.1-R, and shall consist of one or more of the following to demonstrate compliance with provisioning requirements of the contract: technical data equivalent to product drawings, in process/incomplete product drawing, commercial drawings, commercial manuals, catalogs or catalog descriptions, or sketches or photographs with description information.

Block 12: The EDFP shall be presented at the provisioning meeting for reconciliation between the contractor and PMO-LAV. The reconciled EDFP shall be delivered 30 CAL days after each provisioning meeting.

Block 14: If file size is too large for email exchange, use of a Government authorized safe file exchange site such as ARMDEC-SAFE website shall be use to transmit file to identified addressees.

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

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G. PREPARED BY: PM LAV  
H: DATE: 30JUL13

**PIIN/SIIN** W56HZV-13-C-0231  
**MOD/AMD** P00001  
**ATT/EXH ID** Exhibit S  
**PAGE** 2

I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: T  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A019
  2. TITLE: Provisioning Screening
  3. SUBTITLE: MOB Program Provisioning Screening
  4. AUTHORITY: DI-SESS-81714
  5. CONTRACT REFERENCE: C.7.1.2.5
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: N/A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: See Blk 16 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk 16
  13. DATE OF SUBS. SUBMISSION: See Blk 16
  14. DISTRIBUTION:
    - A. ADDRESSEE: mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil
    - B. COPIES:
      - DRAFT: 0
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      - REG REPRO:0

15. TOTAL COPIES: 1

16. REMARKS:

Block 4. Contractor format is acceptable. However, content shall be in accordance with DID identified in block 4.

Block 12/13. Each submission of the provisioning screening results shall be delivered to the Government no later than 60 CAL days prior to the provisioning meeting. The Government will provide comments at the Provisioning Meeting. The contractor shall update the data and deliver 15 CAL days after receipt of Government comments.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: U  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A020
  2. TITLE: Initial Issue Package (IIP) List
  3. SUBTITLE: MOB Program IIP
  4. AUTHORITY: Contractors Format
  5. CONTRACT REFERENCE: C.7.1.4
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: N/A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: One Time 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: 34 MAC
  13. DATE OF SUBS. SUBMISSION: N/A
  14. DISTRIBUTION:
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    - B. COPIES:
      - DRAFT: 0
      - FINAL: 1
      - REG REPRO:0

15. TOTAL COPIES: 1

16. REMARKS:

Block 4: Listing of parts shall include Differential with and without Shift cylinders, Variant Type, system level that supports the engineering Bill of Material and support Organizational Maintenance, Part Number, Item Name, Unit of Issue, and Quantity per MOB Kit system, Production Leadtime, Recommended Buy Quantity, Extended Price, and Source, Maintenance Recoverability Code (SMRC). The IIP listing shall be based on the operational requirements in accordance with the operational tempo listed on the GFI List, Attachment 0002.

Block 12/13: The Government will provide comments within 15 CAL days of receipt. The contractor shall have 15 CAL days to incorporate comments and resubmit to the Government.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA D. SYSTEM/ITEM:  
B. EXHIBIT: V E. CONTRACT/PR NO: W56HZV-13-C-0231  
C. CATEGORY:  
TDP \_\_\_\_\_ TM X OTHER X  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A021
  2. TITLE: Technical Publications Deliveries
  3. SUBTITLE: MOB Program Technical Publications
  4. AUTHORITY: MIL-STD 38784
  5. CONTRACT REFERENCE: C.7.1.5, C.7.1.5.3
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: PER ATCH 0016 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: Per ATCH 0004
  13. DATE OF SUBS. SUBMISSION: Per ATCH 0004
  14. DISTRIBUTION:
    - A. ADDRESSEE: <mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil>
    - B. COPIES:
      - DRAFT: 1
      - FINAL: 1
      - REG REPRO:0
  15. TOTAL COPIES: 2
  16. REMARKS:

Block 4: The contractor shall use MIL-STD-38784 as guidance when developing the Technical Publications. In preparation of these technical publications, the contractor shall use the existing style and format of the New Build C-Version Technical Publications as provided in accordance with the GFP List, Attachment 0002.

Block 12/13: Technical Publications shall be delivered in accordance with the schedule identified in Technical Publications Delivery Schedule, Attachment 0004. The accuracy of the Technical Publications will be assessed during the Technical Publication Verification.

Block 14: The contractor shall submit in XML and hyper-linked .pdf file format.

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

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G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA D. SYSTEM/ITEM:  
B. EXHIBIT: W E. CONTRACT/PR NO: W56HZV-13-C-0231  
C. CATEGORY:  
TDP \_\_\_\_\_ TM X OTHER X  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A022
  2. TITLE: Technical Publications Validation/Verification Plan
  3. SUBTITLE: MOB Program Technical Publications Val/Ver Plan
  4. AUTHORITY: Contractors Format
  5. CONTRACT REFERENCE: C.7.1.5.1
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: N/A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: ASREQ
  13. DATE OF SUBS. SUBMISSION: N/A
  14. DISTRIBUTION:
    - A. ADDRESSEE: mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil
    - B. COPIES:
      - DRAFT: 0
      - FINAL: 1
      - REG REPRO:0

15. TOTAL COPIES: 1

16. REMARKS:

Block 4: The Val/Ver plan shall detail the roles and responsibilities of the Government and contractor. The Val/Ver plan shall include the contractors recommendations on performance of tasks via tabletop or physical Val/Ver. The Government has final determination if the task will be tabletop or physical Val/Ver.

Block12/13: The initial Val/Ver Plan shall be delivered within 90 calendar days prior to the scheduled Val/Ver effort as listed in the IMS. PM-LAV shall have 15 CAL days to review and approve. The contractor shall have 15 CAL days to review and re-submit, if required.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA D. SYSTEM/ITEM:  
B. EXHIBIT: X E. CONTRACT/PR NO: W56HZV-13-C-0231  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A023
  2. TITLE: Modification Instruction (MI)
  3. SUBTITLE: MOB Program MIs
  4. AUTHORITY: Contractors Format
  5. CONTRACT REFERENCE: C.7.1.6, C.7.1.6.3, H.2
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: See Blk16 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
  13. DATE OF SUBS. SUBMISSION: See Blk16
  14. DISTRIBUTION:
    - A. ADDRESSEE: mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil
    - B. COPIES:
      - DRAFT: 1
      - FINAL: 1
      - REG REPRO:0
  15. TOTAL COPIES: 2
  16. REMARKS:

Block 4: The contractor shall develop and deliver Modification Instructions (MI) for the MOB Program. The MIs shall detail the procedures and the tasks required to modify the fielded FOLAVs with the MOB Kits.

Block12/13: Below is the MI delivery Schedule

<u>Variant</u>	<u>Draft</u>	<u>MI Verification</u>	<u>Final</u>	
LAV-25A2	27 MAC		28 MAC	32 MAC
LAV-LA2	30 MAC		N/A	N/A
LAV-MA2	31 MAC		N/A	N/A
LAV-RA2	28 MAC		29 MAC	32 MAC
LAV-CCA2	29 MAC		N/A	N/A
LAV-EWA2	33 MAC		N/A	N/A
LAV-ATM	29 MAC		30 MAC	32 MAC

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H. DATE: 30JUL13  
I. APPROVED BY: PM LAV  
J. DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: Y  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A024
  2. TITLE: Calibration and Measurement Requirements Summary (CMRS)
  3. SUBTITLE: MOB Program - CMRS
  4. AUTHORITY: DI-QCIC-80278B
  5. CONTRACT REFERENCE: C.7.1.7.3
  6. REQUIRING OFFICE: AMSTA-CSD-LAV
  7. DD250 REQ: LT
  8. APP CODE: A
  9. DIST. STATEMENT REQ: D
  10. FREQUENCY: See Blk16
  11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
  13. DATE OF SUBS. SUBMISSION: See Blk16
  14. DISTRIBUTION:

A. ADDRESSEE: mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil

B. COPIES:

DRAFT: 0

FINAL: 1

REG REPRO:0

15. TOTAL COPIES: 1

16. REMARKS:

Block 4: Follow content in DI-QCIC-80278B, contractor format is acceptable.

Block 12: First submission due 30 CAL days prior to the first Provisioning Meeting.

Block 13: PM-LAV will provide comments within 10 CAL days after receiving the draft submission. The Contractor shall have 15 CAL days to incorporate Government comments and submit a revision back to the Government. This final version shall be presented at the provisioning meeting.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV

H: DATE: 30JUL13

I: APPROVED BY: PM LAV

J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: Z  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A025
  2. TITLE: Data for VIPER-T Development
  3. SUBTITLE: MOB Program - Data for VIPER-T Development
  4. AUTHORITY: Contractors Format
  5. CONTRACT REFERENCE: C.7.1.7.4
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: N/A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: see Blk16 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: see Blk16
  13. DATE OF SUBS. SUBMISSION: see Blk16
  14. DISTRIBUTION:
    - A. ADDRESSEE: mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil
    - B. COPIES:
      - DRAFT: 0
      - FINAL: 1
      - REG REPRO:0
  15. TOTAL COPIES: 1
  16. REMARKS:

Block 4: Contractor format is acceptable. The contractor shall deliver the following data relative to each unique electrical LRU excluding proprietary data and excluding data that is declared in a letter of refusal:

- (1) A pin list which lists all pins, each pins functions, signal characteristics, and signal tolerances, as would be required to duplicate the signal in a system environment. Input power pin information should include the required voltage level, current requirement, and associated tolerances. Analog input information should list the input voltage range, tolerances, current requirement, and frequency.
- (2) A schematic diagram for the LRU and a schematic for each Circuit Card Assembly (CCA) within the LRU, as would be required to develop accurate fault isolation routines. If the schematic does not have the components labeled, a parts list shall also be supplied for each CCA.
- (3) A full functional description of each LRU which clearly describes all the functions it performs when operating, as would be required to develop the necessary functional tests and to identify areas where functions need not be tested if they are not used by the system.
- (4) A system interconnects diagram, as required to aid in the understanding of the system operation.
- (5) Technical documentation containing full descriptions of LRU external data bus communications (i.e. RS-232, CAN, Mil-Std-1553, non-standard, etc.), to include all the command and response words utilized by the unit as well as timing and voltage level requirements.
- (6) Description of any built-in-test (BIT) capability and how to initiate this BIT and interpret the BIT results. Where BIT tests are dependent on the responses from other system assemblies, those responses shall also be specified

Block 12/13: The contractor shall deliver the data at 15 CAL days prior to each PDR. The Government will review and provide comments within 15 CAL days after each PDR. The contractor shall update, as necessary, and submit a final submission at each CDR.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: AA  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231

F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A026
  2. TITLE: Training Program Structure Documentation
  3. SUBTITLE: MOB Program - Operator and Maintainer Training Course Curriculum Outline (TCCO)
  4. AUTHORITY: DI SESS 81521B
  5. CONTRACT REFERENCE: C.7.2.1
  6. REQUIRING OFFICE: AMSTA-CSD-LAV      7. DD250 REQ: LT
  8. APP CODE: A      9. DIST. STATEMENT REQ: D
  10. FREQUENCY: See Blk16      11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
  13. DATE OF SUBS. SUBMISSION: See Blk16
  14. DISTRIBUTION:
    - A. ADDRESSEE: <mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil>
    - B. COPIES:
      - DRAFT: 1
      - FINAL: 1
      - REG REPRO:0
  15. TOTAL COPIES: 2
  16. REMARKS:

Block 4: The contractor shall develop and deliver training materials in contractors format using DI-SESS-81521B as guidance. Training course duration shall be based on the approved Training Course Curriculum Outline (TCCO).

Blocks 10 & 12: The TCCO for DT shall be delivered no later than 14 MAC. The Government will provide comments no later than 15 CAL days after receipt.

Block 13: The TCCO for OA shall be delivered no later than 20 MAC. The Government will provide comments within 30 CAL days after receipt.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: AB  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_  
D. SYSTEM/ITEM: W56HZV-13-C-0231  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A027
  2. TITLE: Operator and Maintainer Course Student Handouts
  3. SUBTITLE: MOB Program Student Handouts
  4. AUTHORITY: Contractors Format
  5. CONTRACT REFERENCE: C.7.2.2
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: N/A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: ASREQ
  13. DATE OF SUBS. SUBMISSION: N/A
  14. DISTRIBUTION:
    - A. ADDRESSEE: mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil
    - B. COPIES:
      - DRAFT: 0
      - FINAL: 1
      - REG REPRO:0

15. TOTAL COPIES: 1

16. REMARKS:

Block 4: Contractor Format is acceptable. The MOB Kit operator and Organizational (-20) maintainer student handouts shall include: safety, capabilities, limitations, interfaces, Preventative Maintenance Checks and Services (PMCS), operations, and critical maintenance tasks. The contractor-developed lesson plans shall be detailed and comprehensive and not diverge/deviate from the MOB Kit technical manual(s).

Block 12/13: The student handouts will be delivered 60 CAL days prior to a training event (DT and OA). The Government will have 30 CAL days to review the student handouts and provide comments. The contractor shall have 15 CAL days to address the Government comments, if required. Training course materials shall be provided by the contractor at the start of each class to all students and observers. Upon completion of each training course the Contractor shall update all training course materials to include changes and corrections identified during the conduct of the course and to reflect the final course content no later than 30 CAL days after completion of the training course.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: AC  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A028
  2. TITLE: LAV Licensing Exams
  3. SUBTITLE: MOB Program Licensing Exam
  4. AUTHORITY: Contractors Format
  5. CONTRACT REFERENCE: C.7.2.3
  6. REQUIRING OFFICE: AMSTA-CSD-LAV
  7. DD250 REQ: LT
  8. APP CODE: N/A
  9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ
  11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: ASREQ
  13. DATE OF SUBS. SUBMISSION: N/A
  14. DISTRIBUTION:

A. ADDRESSEE: mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil

B. COPIES:

DRAFT: 0

FINAL: 1

REG REPRO:0

15. TOTAL COPIES: 1

16. REMARKS:

Block 4: The contractor shall update the current LAV licensing exam as provided in accordance with the GFP List, Attachment 0002 to incorporate the MOB Integration.

Block 12/13: The written and practical exams shall be delivered 60 CAL days prior to a training event (DT & OA). The Government will have 30 CAL days to review the written and practical exams.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV

H: DATE: 30JUL13

I: APPROVED BY: PM LAV

J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: AD  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A029
  2. TITLE: Software Development Plan (SDP)
  3. SUBTITLE: MOB Program - (SDP)
  4. AUTHORITY: DI-IPSC-81427A
  5. CONTRACT REFERENCE: C.7.3.1
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: One/R 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
  13. DATE OF SUBS. SUBMISSION: See Blk16
  14. DISTRIBUTION:
    - A. ADDRESSEE: mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil
    - B. COPIES:
      - DRAFT: 1
      - FINAL: 1
      - REG REPRO:0
  15. TOTAL COPIES: 2

16. REMARKS:  
Block 4: The contractor shall develop and deliver SDP in contractors format using DI-IPSC-81427A as guidance. The Contractor shall provide a SDP and include an overall plan and schedule for any software modifications required for MOB integration. Contractor format is acceptable. The SDP shall be developed in accordance with the framework established in IEEE/EIA 12207. The SDP shall define the contractors proposed life cycle model and the processes used as a part of that model as defined by IEEE/EIA 12207. The SDP shall describe the overall life cycle and shall include primary, supporting, and organizational processes based upon the work content of this solicitation. In accordance with the framework defined in IEEE/EIA 12207, the SDP shall define the processes, the activities to be performed as a part of the processes, the tasks which support the activities, and the techniques and tools to be used to perform the tasks. Information provided must include specific standards, methods, tools, actions, strategies, and responsibilities associated with development and qualification.

Block 12 - The contractor shall submit a draft SDP 30 CAL days prior to the initial PDR. The Government will have 10 CAL days to review and comment. The contractor shall have 10 CAL days to incorporate the Government comments and resubmit. Final versions of the SDP will be delivered with the MOB Integration ECP per CDRL A001.

Block 13: Subsequent submission at the initial CDR.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 16MAY13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: AE  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A030
  2. TITLE: Software Source Code
  3. SUBTITLE: MOB Program - Source Code
  4. AUTHORITY: DI-IPSC-81440A
  5. CONTRACT REFERENCE: C.7.3.4
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: See Blk16 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
  13. DATE OF SUBS. SUBMISSION: N/A
  14. DISTRIBUTION:
    - A. ADDRESSEE: mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil
    - B. COPIES:
      - DRAFT: 1
      - FINAL: 1
      - REG REPRO:0
  15. TOTAL COPIES: 2
  16. REMARKS:

Block 4: Contractor format is acceptable using DI-IPSC-81440A as guidance.

BLOCK 12 The contractor shall submit Source Code with the TDP delivered in accordance with CDRL A013.

BLOCK 14 The submission shall be prepared and delivered in current Microsoft Office software suite (MS Word, MS Excel, and MS PowerPoint).

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JULY13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA D. SYSTEM/ITEM:  
B. EXHIBIT: AF E. CONTRACT/PR NO: W56HZV-13-C-0231  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_

F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A031
  2. TITLE: Software Requirement Specification (SRS)
  3. SUBTITLE: MOB Program - SRS
  4. AUTHORITY: DI-IPSC-81440A
  5. CONTRACT REFERENCE: C.7.3.7
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: See Blk16 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
  13. DATE OF SUBS. SUBMISSION: See Blk16
  14. DISTRIBUTION:
    - A. ADDRESSEE: <mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil>
    - B. COPIES:
      - DRAFT: 1
      - FINAL: 1
      - REG REPRO:0
  15. TOTAL COPIES: 2
  16. REMARKS:

Block 4: Contractor format is acceptable using DI-IPSC-81440A as guidance. The SRS shall specify the requirements for the SCIs and the verification methods to be used to ensure that each requirement has been met.

BLOCK 12 - The contractor shall submit a draft SRS 30 CAL days prior to each variants PDR. The Government will have 10 CAL days to review and comment.

BLOCK 13 - The contractor shall submit the final SRS 10 CAL days prior to each CDR.

BLOCK 14 The submission shall be prepared and delivered in current Microsoft Office software suite (MS Word, MS Excel, and MS PowerPoint).

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: AG  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A032
  2. TITLE: Software Test Plan (STP)
  3. SUBTITLE: MOB Program - STP
  4. AUTHORITY: Contractors Format
  5. CONTRACT REFERENCE: C.7.3.8
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: N/A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Block 16
  13. DATE OF SUBS. SUBMISSION: See Block 16
  14. DISTRIBUTION:
    - A. ADDRESSEE:
    - B. COPIES:
      - DRAFT: 1
      - FINAL: 1
      - REG REPRO:0
  15. TOTAL COPIES: 2
  16. REMARKS:

Block 4: Contractor format is acceptable. The STP shall describe the plans for qualification testing of SCIs and software systems. It shall describe the software test environment to be used for the testing, the tests to be performed, and provide the schedules for test activities. The contractor shall maintain a Software Test Plan covering testing required by this scope of work for review, analysis, and concurrence by the Government. This document shall address any demonstration plans for software requirements as well as all informal and formal testing.

Block 12 First submission at the initial PDR. The Government requires 15 calendar days for review and comment. The contractor shall incorporate any required changes based on Government comments and resubmit 15 calendar days after receipt of comments. This review cycle shall continue until the contractor receives acceptance from the Government.

Block 13 The contractor shall submit subsequent submission at the initial CDR.

Block 14 The submission shall be prepared and delivered in current Microsoft Office software suite (MS Word, MS Excel, and MS PowerPoint).

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA D. SYSTEM/ITEM:  
B. EXHIBIT: AH E. CONTRACT/PR NO: W56HZV-13-C-0231  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_

F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A033
  2. TITLE: Software Test Report (STR)
  3. SUBTITLE: MOB Program - STR
  4. AUTHORITY: DI-IPSC-81440A
  5. CONTRACT REFERENCE: C.7.3.9
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: See Blk16 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
  13. DATE OF SUBS. SUBMISSION: See Blk16
  14. DISTRIBUTION:
    - A. ADDRESSEE: mailto:usarmy.detroit.tacom.mbx.lav-mob@mail.mil
    - B. COPIES:
      - DRAFT: 1
      - FINAL: 1
      - REG REPRO:0
  15. TOTAL COPIES: 2
  16. REMARKS:

Block 4: Contractor format is acceptable

Block 12: A Software Test Report (STR) is due 15 CAL days from the conclusion of software testing.

Block 13: The Government shall have 15 CAL days for review acceptance or rejection. The Contractor shall have 15 CAL days to re-submit, if required.

Block 14: The submission shall be prepared and delivered in current Microsoft Office software suite (MS Word, MS Excel, and MS PowerPoint).

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA D. SYSTEM/ITEM:  
B. EXHIBIT: AI E. CONTRACT/PR NO: W56HZV-13-C-0231  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_

F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A034
  2. TITLE: Software Version Description (SVD)
  3. SUBTITLE: MOB Program - SVD
  4. AUTHORITY: DI-IPSC-81440A
  5. CONTRACT REFERENCE: C.7.3.10
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: See Blk16 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
  13. DATE OF SUBS. SUBMISSION: N/A
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  15. TOTAL COPIES: 2
  16. REMARKS:

Block 4: Contractor format is acceptable using DI-IPSC-81440A as guidance. The SVD shall identify and describe a software version consisting of one or more SCIs and shall be used to release, rack, and control software versions.

BLOCK 12 The contractor shall submit a SVD along with the submittal of the TDP deliverd in accordance with CDRL A013.

BLOCK 14 The submission shall be prepared and delivered in current Microsoft Office software suite (MS Word, MS Excel, and MS PowerPoint).

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

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G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: AJ  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A035
  2. TITLE: Contract Work Breakdown Structure (CWBS)
  3. SUBTITLE: MOB Program - CWBS
  4. AUTHORITY: DI-MGMT-81334C
  5. CONTRACT REFERENCE: C.8.1
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: N/A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: Blk 16 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: Blk 16
  13. DATE OF SUBS. SUBMISSION: N/A
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15. TOTAL COPIES: 1

16. REMARKS:

Block 4: The contractor shall provide the Contract Work Breakdown Structure and data dictionary in accordance with DI-MGT-81334C. The contractor shall use MIL-STD-881 for guidance. The CWBS shall provide the basis for further extension by the contractor to lower levels during the performance of the contract. The contractor shall extend the CWBS to the appropriate level required to provide adequate internal management, surveillance, and performance measurement, regardless of the reporting level used for Government visibility. The contractor shall update the CWBS during the execution of the contract. Changes to the CWBS or associated definitions at any reporting level shall require approval of the Government.

Block 12: Initial submission of the Contract Work Break down Structure is due 15 CAL days after contract award. The Government will provide comments within 10 CAL days of the contractors submission. The contractor will have 10 CAL days to make the necessary revisions and submit.

Block 14: The CWBS shall be in Microsoft Office Suite file format (MS Word, MS Excel, MS Power Point).

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

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G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: AK  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231

F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A036
  2. TITLE: Integrated Program Management Reporting (IPMR)
  3. SUBTITLE: MOB Program - IPMR
  4. AUTHORITY: DI-MGMT-81861
  5. CONTRACT REFERENCE: C.8.4
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: N/A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: Blk 16 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: Blk 16
  13. DATE OF SUBS. SUBMISSION: N/A
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15. TOTAL COPIES: 1

16. REMARKS:

Block 4: Contractor format is acceptable. The contractor shall submit an IPMR in accordance with DI-MGMT-81861, formats 1 and 5 only.

Block 11: Report period is the end of contractors monthly financial reporting period.

Block 12/13: The initial submission shall be delivered 2 MAC. Subsequent submissions are due on the 21st day of every month. PM-LAV shall have 7 CAL days to review and approve. The contractor shall have 7 CAL days to review and re-submit, if required.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.).

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

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G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: AL  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A037
  2. TITLE: IUID Marking Report
  3. SUBTITLE: MOB Program IUID Marking Report
  4. AUTHORITY: Contractors Format
  5. CONTRACT REFERENCE: D.1.1
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: N/A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: ASREQ
  13. DATE OF SUBS. SUBMISSION: N/A
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    - B. COPIES:
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      - REG REPRO:0
  15. TOTAL COPIES: 1
  16. REMARKS:

Block 10-13: The IUID Marking report shall be provided 14 calendar days prior to the initial SRM. PM-LAV will provide comments within 10 CAL days. The Contractor shall have 14 CAL days to incorporate Government comments and submit a revision back to the Government.

Block 14: If file size is too large for email exchange, use of a Government authorized safe file exchange site such as ARMDEC-SAFE website shall be used to transmit file to identified addressees.

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

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G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: AM  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
- 1. DATA ITEM NO: A038
  - 2. TITLE: Equipment Preservation Data Sheets (EPDS)
  - 3. SUBTITLE: MOB Program - EPDS
  - 4. AUTHORITY: Contractors Format
  - 5. CONTRACT REFERENCE: D.2.1
  - 6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  - 8. APP CODE: N/A 9. DIST. STATEMENT REQ: D
  - 10. FREQUENCY: see Blk16 11. AS OF DATE: N/A
  - 12. DATE OF FIRST SUBMISSION: see Blk16
  - 13. DATE OF SUBS. SUBMISSION: see Blk16
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    - B. COPIES:
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      - REG REPRO:0
  - 15. TOTAL COPIES: 1
  - 16. REMARKS:

Block 4: The contractor shall include requirements for disassembly procedures to meet clearance requirements for land, air, and sea shipments. Procedures shall ensure an option for drive-on/drive-off capability. Packaging requirements for new MOB Kit SL-3 equipment shall be developed by the contractor. HAZMAT (if applicable) will be packaged and shipped separately in accordance with 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 SL-3.

The Government will determine if all or selected portions of the Equipment Preservation Data 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 or materials involved. The contractor shall notify the Government 60 CAL days prior to conduct of contractors validation. The Government must witness the contractors validation.

Blk 12/13: The contractor shall deliver the EPDS two months prior to the conditional acceptance of the DT vehicles. For all other variants, the contractor shall deliver no later than two months prior to the commencement of the Technical Publication Verification.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

- 17. PRICE GROUP:
- 18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA D. SYSTEM/ITEM:  
B. EXHIBIT: AN E. CONTRACT/PR NO: W56HZV-13-C-0231  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A039
  2. TITLE: Failure Analysis Corrective Action Response (FACAR)
  3. SUBTITLE: MOB Program - FACAR
  4. AUTHORITY: Contractors Format
  5. CONTRACT REFERENCE: E.2.1, E.2.1.2.1.1
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: N/A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: ASREQ
  13. DATE OF SUBS. SUBMISSION: N/A
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15. TOTAL COPIES: 1

16. REMARKS:

Contractor format is acceptable for this report. The report shall comprise of three sections: a) Failure Summary, b) Failure Analysis, and c) Failed Item Analysis Reports.

Failure Summary: The Failure Summary section shall consist of a cumulative tabulation of failure data obtained from individual failure reports. Failures which occurred during the latest report period shall identified by the suitable notation. The tabulation shall be arranged by subsystem or assembly, as applicable, and shall include the following data elements:

- a. Failure Number
- b. Failure Analysis Number
- c. Date of Failure
- d. Part Nomenclature
- e. Part Number
- f. Subassembly
- g. Major Assembly
- h. Serial Number of Equipment
- i. Hours of Operation (component, equipment, total accumulated)
- j. Mode of Operation (if applicable) when the failure occurred
- k. Manufacturer of Failed Part
- l. Symptom of Failure m. Cause of Failure
- n. Repair Action for Test Continuation
- o. Categorization of Failure
- p. Results of Failure (abort, degradation)
- q. The Time of Failure

Failure Analysis: The Failure Analysis section shall consist of brief summaries for each of the Failed Item Analysis Reports, arranged by failure cause categories, such as the following:

- a. Equipment Design
- b. Equipment Manufacturing Workmanship
- c. Part Design
- d. Part Manufacturing Workmanship
- e. Software Errors
- f. Unverified
- g. Intermittent Failures
- h. Non-Relevant Failures

Failed Item Analysis Reports: This shall consist of a copy of each Failed Item Analysis Report used in preparation of this report.

Block 13: PM-LAV shall have 15 CAL days to review and approve. The integrator shall have 15 CAL days to review and re-submit, if

required.

- 17. PRICE GROUP:
- 18. ESTIMATED TOTAL PRICE:

-----  
G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: AO  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231

F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A040
  2. TITLE: CVT Plan
  3. SUBTITLE: MOB Program CVT Plan
  4. AUTHORITY: Contractors Format
  5. CONTRACT REFERENCE: C.6.1
  6. REQUIRING OFFICE: AMSTA-CSD-LAV
  7. DD250 REQ: LT
  8. APP CODE: A
  9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ
  11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk 16
  13. DATE OF SUBS. SUBMISSION: See Blk 16
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  15. TOTAL COPIES: 1
  16. REMARKS:

Block 4: Submissions shall be prepared in contractors format.

Block 12/13: Draft CVT Plan shall be delivered at the first IPR. The Government will review and provide comments within 15 CAL days. The contractor shall deliver subsequent updates as part of IPR read ahead material until CVT.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.).

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

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G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: AR  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A043
  2. TITLE: Modification Instruction Validation/Verification Plan
  3. SUBTITLE: MI Val/Ver Plan
  4. AUTHORITY: Contractors Format
  5. CONTRACT REFERENCE: C.7.1.6.1
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: N/A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
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15. TOTAL COPIES: 1

16. REMARKS:

Block 4: The Val/Ver plan shall detail the roles and responsibilities of the Government and contractor.

Block12/13: The initial Val/Ver Plan shall be delivered within 90 CAL days prior to the first scheduled MI Val/Ver effort as listed in the IMS. PM-LAV shall have 15 CAL days to review and approve. The contractor shall have 15 days to review and re-submit, if required.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

-----

G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
I: APPROVED BY: PM LAV  
J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: AT  
C. CATEGORY:  
TDP \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231  
F. CONTRACTOR: CCC/GDLS-C

- 
- 1. DATA ITEM NO: A045
  - 2. TITLE: STTE Listing
  - 3. SUBTITLE:
  - 4. AUTHORITY: Contractors Format
  - 5. CONTRACT REFERENCE: C.7.1.7
  - 6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  - 8. APP CODE: N/A 9. DIST. STATEMENT REQ: D
  - 10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  - 12. DATE OF FIRST SUBMISSION: ASREQ
  - 13. DATE OF SUBS. SUBMISSION: N/A
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      - REG REPRO:0
  - 15. TOTAL COPIES: 1
  - 16. REMARKS:

Block 4: The STTE listing shall contain those support items required to inspect, test, calibrate, service, repair, or overhaul the MOB systems. The contractor shall also identify the STTE that is no longer required. In an effort to reduce the introduction and use of new special tools, the current USMC tool kits (tool kit lists provided as GFI in Attachment 0002) shall be used to the maximum extent possible.

Block 12/13: The contractor shall submit the STTE Listing 45 cal days prior to the first Supportability Review Meeting. PM-LAV will provide comments back to the contractor within fourteen calendar days. The Contractor shall incorporate changes and provide PM LAV with the corrected Draft copy ten calendar days following receipt of Government comments.

The Contractor shall submit a final list of special tools thirty calendar days after the final Supportability Review Meeting. PM LAV will provide comments back to the Contractor within fourteen calendar days. The Contractor shall incorporate changes and deliver the final STTE listing within ten calendar days after receipt of Government comments.

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suite file format (MS Word, MS Excel, MS PowerPoint, etc.)

- 17. PRICE GROUP:
- 18. ESTIMATED TOTAL PRICE:

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G. PREPARED BY: PM LAV  
H: DATE: 30JUL13  
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J: DATE: 11MAR14

DD FORM 1423, FEB 2001

CONTRACT DATA REQUIREMENT LIST, PREVIOUS EDITION MAY BE USED

Form Approval OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Executive Services Directorate (0704-0188). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please do not return your form to the above organization. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.: 9998AA D. SYSTEM/ITEM:  
B. EXHIBIT: AU E. CONTRACT/PR NO: W56HZV-13-C-0231  
C. CATEGORY:  
F \_\_\_\_\_ TM \_\_\_\_\_ OTHER \_ X\_\_\_\_  
F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A001
  2. TITLE: MOB Integration Engineering Change Proposals (ECPs)
  3. SUBTITLE: MOB Program - ECP
  4. AUTHORITY: DI-CMAN-80639C
  5. CONTRACT REFERENCE: C.1.6, C.5.4.4
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: See Blk16 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
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  16. REMARKS:

Block 4: The contractor shall submit an ECP for each of the seven FOLAV variants. The contractor shall use MIL-HDBK-61 as a guide and the MIL-STD-31000 Worksheet, Attachment 0006.

Blocks 10, 12, 13: The contractor shall submit MOB Integration ECPs of each variant 30 MAC. The Government will review ECPs within 120 days. The contractor shall incorporate the Government changes and deliver 36 MAC.

Block 14: ECPs shall be submitted electronically. If file size is too large for email exchange, use of a Government authorized safe file exchange site such as ARMDEC-SAFE website shall be use to transmit file to identified addressees.

17. PRICE GROUP:
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H: DATE: 30JUL13  
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J: DATE: 11MAR14

A. CONTRACT LINE ITEM NO.: 9998AA  
B. EXHIBIT: AV  
C. CATEGORY:  
TDP X TM \_\_\_\_\_ OTHER \_\_\_\_\_  
D. SYSTEM/ITEM:  
E. CONTRACT/PR NO: W56HZV-13-C-0231

F. CONTRACTOR: CCC/GDLS-C

- 
1. DATA ITEM NO: A002
  2. TITLE: Final Inspection Record
  3. SUBTITLE: MOB Program FIR
  4. AUTHORITY: Contractors Format
  5. CONTRACT REFERENCE: E.3, E.3.1, E.4
  6. REQUIRING OFFICE: AMSTA-CSD-LAV 7. DD250 REQ: LT
  8. APP CODE: A 9. DIST. STATEMENT REQ: D
  10. FREQUENCY: ASREQ 11. AS OF DATE: N/A
  12. DATE OF FIRST SUBMISSION: See Blk16
  13. DATE OF SUBS. SUBMISSION: See Blk16
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      - REG REPRO: 0

15. TOTAL COPIES: 4

16. REMARKS:

Block 4: The contractor shall update the LAV-A2 FIRs and validate to include the MOB Integration.

Block 12/13: The contractor shall submit the updated FIRs in accordance with the following schedule:

<u>Variant</u>	<u>Draft</u>	<u>Final</u>
LAV-25A2	18 MAC	36 MAC
LAV-LA2	18 MAC	36 MAC
LAV-MA2	22 MAC	36 MAC
LAV-ATA	31 MAC	36 MAC
LAV-RA2	32 MAC	36 MAC
LAV-CCA2	36 MAC	
LAV-EWA2	36 MAC	

Block 14: All submissions shall be prepared and delivered in an editable and current Microsoft Office Suit file format (MS Word, MS Excel, MS Powerpoint, etc.).

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G. PREPARED BY: PM LAV

H: DATE: 30JUL13

I: APPROVED BY: PM LAV

J: DATE: 11MAR14

RFD  
Attachment 0009  
W56HZV-13-C-0231  
08 October 2013

REQUESTS FOR DEVIATIONS

<u>Added By</u>	<u>Original No.</u>	<u>Approval Date</u>	<u>Description</u>	<u>Effectivity</u>
Award	W-GDLS-000135	24 June 2013	Procurement of Power Pack and Transfer Case with components Containing Hexavalent Chromium.	See RFD.
P00002	W-GDLS-000135R1	08 October 2013	Procurement of Power Pack and Transfer Case with components Containing Hexavalent Chromium. Transfer Case P/N change to 10699522-001PW.	See RFD.