

| | | | | | |
|--|---|---|---|------------------------------------|---|
| SOLICITATION, OFFER AND AWARD | | 1. This Contract Is A Rated Order Under DPAS (15 CFR 700) | | Rating DXA4 | Page of Pages 1 119 |
| 2. Contract Number | 3. Solicitation Number W56HZV-13-R-0411 | 4. Type of Solicitation <input type="checkbox"/> Sealed Bid (IFB) <input checked="" type="checkbox"/> Negotiated (RFP) | | 5. Date Issued 2013DEC09 | 6. Requisition/Purchase Number SEE SCHEDULE |
| 7. Issued By U.S. ARMY CONTRACTING COMMAND CCTA-HTM-M WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL | | Code W56HZV | 8. Address Offer To (If Other Than Item 7) | | |

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

SOLICITATION

9. Sealed offers in original and _____ copies for furnishing the supplies or services in the Schedule will be received at the place specified in item 8, or if handcarried, in the depository located in _____ until 05:00pm (hour) local time 2014JAN30 (Date).

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

| | | | | |
|----------------------------------|-------------------------------|--|---------------------------|---|
| 10. For Information Call: | A. Name LEON MORROW | B. Telephone (No Collect Calls) | | C. E-mail Address LEON.MORROW@US.ARMY.MIL |
| | | Area Code (586) | Number 282-8434 | Ext. |

11. Table Of Contents

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OFFER (Must be fully completed by offeror)

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

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

| | | | | |
|---|---|---|---|--|
| 13. Discount For Prompt Payment (See Section I, Clause No. 52.232-8) | <input type="checkbox"/> 10 Calendar Days (%) | <input type="checkbox"/> 20 Calendar Days (%) | <input type="checkbox"/> 30 Calendar Days (%) | <input type="checkbox"/> Calendar Days (%) |
|---|---|---|---|--|

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

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

| | | | |
|--|--|----------------------|-----------------------|
| 15B. Telephone Number | 15C. Check if Remittance Address is | 17. Signature | 18. Offer Date |
| Area Code Number Ext. | <input type="checkbox"/> Different From Above - Enter such Address In Schedule | | |

AWARD (To be completed by Government)

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

| | | |
|---|--|-------------------|
| 22. Authority For Using Other Than Full And Open Competition: <input checked="" type="checkbox"/> 10 U.S.C. 2304(c)(1) <input type="checkbox"/> 41 U.S.C. 253(c)() | 23. Submit Invoices To Address Shown In (4 copies unless otherwise specified) | Item 25 |
|---|--|-------------------|

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

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

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

| | | |
|---------------------------|--|----------------------|
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Name of Offeror or Contractor:

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: LEON MORROW
 Buyer Office Symbol/Telephone Number: CCTA-HTM-M/(586)282-8434
 Type of Contract: Firm Fixed Price
 Kind of Contract: System Acquisition Contracts

*** End of Narrative A0000 ***

1. This is a sole source solicitation (W56HZV-13-R-0411) to Canadian Commercial Corporation (CCC) with General Dynamics Land Systems Canada (GDLSC), as the subcontractor.
2. This solicitation is for the procurement of the Performance Work Statement (PWS) identified in Section C (DESCRIPTION/SPECIFICATION/WORK STATEMENT) of the solicitation in support of the Medium Mine Protective Vehicle (MMPV) Type II.
3. This solicitation establishes separately priced CLINS 0001AA-0031AA for the TMs and Logistical Support for the MMPV Type II. CLIN 0032AA is a Not Separately Priced (NSP) CLIN for Contractor Manpower Reporting (CMR).
4. Contract Type: Hybrid Firm-Fixed Price (FFP) and Cost Plus Fixed Fee (CPFF). All pricing submitted herein is for Prices applicable to CLINS 0001AA-0032AA identified in the solicitation.
4. Delivery Schedule: Deliverable timing will be defined within each CDRL.
5. Quantity: One (1) each CLINS 0001AA-0032AA.
6. Please submit proposal no later than 5:00pm eastern standard time 30 January 2014.

*** END OF NARRATIVE A0001 ***

| <u>Regulatory Cite</u> | <u>Title</u> | <u>Date</u> |
|------------------------|-------------------------------|-------------|
| A-1 52.204-4016 | WARREN ELECTRONIC CONTRACTING | MAR/2013 |

- (a) All Army Contracting Command - Warren (DTA) solicitations and awards are distributed on the Army Contracting Command - Warren Procurement Network (ProcNet) Business Opportunities website (<http://contracting.tacom.army.mil/opportunity.htm>) and are no longer available in hard copy. The Technical Data Packages (TDPs) and other documents, when available electronically, will be attachments or links to the solicitation package on ProcNet.
- (b) You may need to use special software to view documents that we post on ProcNet. This viewing software is freeware, available for download at no cost from commercial websites like Microsoft and Adobe. In cases where such software is required, we provide a link from ProcNet to the commercial site where the software is available. Once you arrive at the software developer's site, follow its instructions to download the free viewer. You can then return to the ProcNet.
- (c) Unless directed to do otherwise in Section L of this solicitation, you are required to submit your offer, bid, or quote electronically, via the Army Single Face to Industry (ASFI) Online Bid Response System (BRS). For detailed information about submitting your offer electronically, please see <http://contracting.tacom.army.mil/acqinfo/ebidnotice.htm>.
- (d) Requirements for the online ASFI bid submission:
- (1) You must be registered in the System for Award Management (SAM) at www.sam.gov (a Federal Government owned and operated free web site) and have a CAGE Code and CCR Marketing Partner Identification Number (MPIN).
 - (2) If you found the solicitation on ProcNet, use the following link to the Start Bid Page on the ASFI BRS website for this solicitation:
https://acquisition.army.mil/asfi/solicitation_view.cfm?psolicitationnbr=W56HZV-13-R-0411.
 - (3) If you found the solicitation by searching on ASFI, you can start the online bidding process by using the Start Bid button on the ASFI Solicitation View page. You may also access the ASFI BRS by going to <https://acquisition.army.mil/asfi/> and clicking on the Contracting Opportunities Search to find the solicitation.
 - (4) Once in the ASFI BRS, you will be asked to enter basic information and will then be directed to upload one or more files

Name of Offeror or Contractor:

| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|--|----------|------|------------|----------|
| | SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS | | | | |
| 0001 | TECHNICAL MANUAL | | | | |
| 0001AA | <p><u>OPERATORS MANUAL (TM 9-2355-435-10)</u></p> <p>GENERIC NAME DESCRIPTION: TECHNICAL MANUAL CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF TM 9-2355-435-10, OPERATOR MANUAL SHALL BE IAW CDRL A051.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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|---------|---|----------|------|------------|----------|
| 0002 | TECHNICAL MANUAL | | | | |
| 0002AA | <p><u>HAND RECEIPT MANUAL (TM 9-2355-435-10-HR)</u></p> <p>GENERIC NAME DESCRIPTION: TECHNICAL MANUAL CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF TM 9-2355-435-10-HR, HAND RECEIPT MANUAL SHALL BE IAW CDRL A052.</p> <p style="text-align: center;">(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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| 0003 | TECHNICAL MANUAL | | | | |
| 0003AA | <p>FIELD MAINTENANCE MANUAL (TM 9-2355-435-23)</p> <p>GENERIC NAME DESCRIPTION: TECHNICAL MANUAL CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF TM 9-2355-435-23, FIELD MAINTENANCE MANUAL SHALL BE IAW CDRL A053.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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| 0004 | TECHNICAL MANUAL | | | | |
| 0004AA | <p>FIELD MAINTENANCE RPSTL MANUAL (TM 9-2355-435-23P)</p> <p>GENERIC NAME DESCRIPTION: TECHNICAL MANUAL CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF TM 9-2355-435-23P, FIELD MAINTENANCE RPSTL MANUAL SHALL BE IAW CDRL A054.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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|---------|---|----------|------|------------|----------|
| 0005 | TECHNICAL MANUAL | | | | |
| 0005AA | <p><u>LUBRICATION INSTRUCTION (LO 9-2355-435-13)</u></p> <p>GENERIC NAME DESCRIPTION: TECHNICAL MANUAL CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF LO 9-2355-435-13, LUBRICATION INSTRUCTION SHALL BE IAW CDRL A055.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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|---------|---|----------|------|------------|----------|
| 0006 | TECHNICAL MANUAL | | | | |
| 0006AA | <p><u>COLD WEATHER KIT MANUAL (TM X-XXXX-XXX-13&P)</u></p> <p>GENERIC NAME DESCRIPTION: TECHNICAL MANUAL CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF TM X-XXXX-XXX-13&P, COLD WEATHER KIT MANUAL SHALL BE IAW CDRL A056.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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|---------|---|----------|------|------------|----------|
| 0007 | TECHNICAL MANUAL | | | | |
| 0007AA | <p><u>ARMOR SOLUTION MANUAL (TM X-XXXX-XXX-13&P)</u></p> <p>GENERIC NAME DESCRIPTION: TECHNICAL MANUAL CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF TM X-XXXX-XXX-13&P, ARMOR SOLUTION MANUAL SHALL BE IAW CDRL A057.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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|---------|--|----------|------|------------|-----------------|
| 0008 | TECHNICAL MANUAL | | | | |
| 0008AA | <p><u>ROBOT DEPLOYMENT SYSTEM (RDS) MANUAL (TM X-XXX-XXX-13&P)</u></p> <p>GENERIC NAME DESCRIPTION: TECHNICAL MANUAL CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF TM X-XXX-XXX-13&P, ROBOT DEPLOYMENT SYSTEM (RDS) MANUAL SHALL BE IAW CDRL A058.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | <p>\$ _____</p> |

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| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|--|----------|------|------------|----------|
| 0009 | TECHNICAL BULLETIN | | | | |
| 0009AA | <p>WARRANTY TB (TB 9-2355-435-13)</p> <p>GENERIC NAME DESCRIPTION: TECHNICAL BULLETIN CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF TB 9-2355-435-13, WARRANTY TB SHALL BE IAW CDRL A059.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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|---------|--|----------|------|------------|----------|
| 0010 | NMWR | | | | |
| 0010AA | <p><u>MMPV TYPE II NMWR WITH RPSTL (NMWR X-XXX-XXX)</u></p> <p>GENERIC NAME DESCRIPTION: NMWR CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF NMWR X-XXX-XXX MMPV TYPE II NMWR WITH RPSTL SHALL BE IAW CDRL A062.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|---|----------|------|------------|----------|
| 0011 | NMWR | | | | |
| 0011AA | <p>MMPV TYPE II COMPONENT NMWRS W/RPSTL (NMWR X-XXX-XXX)</p> <p>GENERIC NAME DESCRIPTION: NMWR CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF NMWR X-XXX-XXX, MMPV TYPE II COMPONENT NMWRS W/RPSTL SHALL BE IAW CDRL A061.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|---|----------|------|------------|----------|
| 0012 | FSR SUPPORT (1 FSR) | | | | |
| 0012AA | <p><u>FIELD SERVICE REPRESENTATIVE (FSR) SUPPORT</u></p> <p>GENERIC NAME DESCRIPTION: FSR SUPPORT (1 FSR) CLIN CONTRACT TYPE: Cost Plus Fixed Fee</p> <p>DELIVERIES AND PERFORMANCE OF CLIN 0012AA SHALL BE IAW PWS SECTION:</p> <p>C.17.5 C.5.8 C.5.9 C.5.10</p> <p>ESTIMATED COST: _____ FIXED FEE: _____ TOTAL ESTIMATED COST + FIXED FEE: _____</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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|---------|--|----------|------|------------|----------|
| 0013 | ISP | | | | |
| 0013AA | <p><u>INTERIM SERVICE PACKAGE (ISP)</u></p> <p>GENERIC NAME DESCRIPTION: ISP CLIN CONTRACT TYPE: Cost Plus Fixed Fee</p> <p>DELIVERIES INSTRUCTIONS AND PERFORMANCE OF CLIN 0013AA SHALL BE IAW PWS SECTION: C.18.2, CDRL A085, AND SECTION F.</p> <p>ESTIMATED COST: _____ FIXED FEE: _____ TOTAL ESTIMATED COST + FIXED FEE: _____</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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|---------|---|----------|------|------------|----------|
| 0014 | ASL | | | | |
| 0014AA | <p><u>AUTHORIZED STOCKAGE LIST (ASL)</u></p> <p>GENERIC NAME DESCRIPTION: ASL CLIN CONTRACT TYPE: Cost Plus Fixed Fee</p> <p>DELIVERIES INSTRUCTIONS AND PERFORMANCE OF CLIN 0014AA SHALL BE IAW PWS SECTION: C.18.1, CDRL A084, AND SECTION F.</p> <p>ESTIMATED COST: _____ FIXED FEE: _____ TOTAL ESTIMATED COST + FIXED FEE: _____</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|---|----------|------|------------|----------|
| 0015 | SSP | | | | |
| 0015AA | <p><u>SYSTEM SUPPORT PACKAGE (SSP)</u></p> <p>GENERIC NAME DESCRIPTION: SSP CLIN CONTRACT TYPE: Cost Plus Fixed Fee</p> <p>DELIVERIES INSTRUCTIONS AND PERFORMANCE OF CLIN 0015AA SHALL BE IAW PWS SECTION: C.17.1, CDRLS A082, A101, A102, AND SECTION F.</p> <p>ESTIMATED COST: _____ FIXED FEE: _____ TOTAL ESTIMATED COST + FIXED FEE: _____</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|--|----------|------|------------|----------|
| 0016 | MANAGEMENT AND ADMINISTRATION | | | | |
| 0016AA | <p><u>MANAGEMENT AND ADMINISTRATION</u></p> <p>GENERIC NAME DESCRIPTION: MANAGEMENT AND ADMINISTRATION CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF CLIN 0016AA SHALL BE IAW THE FOLLOWING CDRLS:</p> <p>A001 Agendas A002 Minutes A003 Performance Report A004 Internal Organizational List A005 Integrated Master Schedule (IMS)</p> <p style="text-align: center;">(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|--|----------|------|------------|----------|
| 0017 | MAINTENANCE | | | | |
| 0017AA | <p><u>MAINTENANCE</u></p> <p>GENERIC NAME DESCRIPTION: MAINTENANCE CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF CLIN 0017AA SHALL BE IAW THE FOLLOWING CDRLS:</p> <p>A009 Maintenance Planning A010 Supportability Analysis A011 Maintenance Analysis (MA) A012 Level of Repair Analysis (LORA) A013 Maintenance Allocation Chart (MAC) A014 Component of End Item (COEI) A015 Basic Issue Items (BII) A016 Expendable Durable Items List (EDIL) A017 Additional Authorized Items List (AAL) A019 Mandatory Replacement Parts List (MRPL)</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|---|----------|------|------------|----------|
| 0018 | SUPPORT EQUIP, TOOLS & TEST | | | | |
| 0018AA | <p>SUPPORT EQUIPMENT, TOOLS, & TEST</p> <p>GENERIC NAME DESCRIPTION: SUPPORT EQUIP, TOOLS & TEST CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF CLIN 0018AA SHALL BE IAW THE FOLLOWING CDRLS:</p> <p>A020 Special Tools and Test A021 Diagnostic Tools and Test A100 Calibration Instructions</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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|---------|---|----------|------|------------|----------|
| 0019 | PROVISIONING | | | | |
| 0019AA | <p><u>PROVISIONING</u></p> <p>GENERIC NAME DESCRIPTION: PROVISIONING CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF CLIN 0019AA SHALL BE IAW THE FOLLOWING CDRLS:</p> <p>A018 Long Lead Time Items List (LLTI) A022 Provisioning Plan A023 Provisioning Parts List (PPL) A024 Engineering Data for Provisioning (EDFP) A025 Pre-Procurement Screening (PPS) A026 Foreign Sources of Supply Notice A027 Clean/Green Hardware Certification A028 Clean/Green Hardware Exception A029 NSN Split Proposal A092 Engineering Bill of Material (E-BOM) A098 Engineering Indentured Bill of Material (E-iBOM)</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|--|----------|------|------------|----------|
| 0020 | PKG/HAND/STOR/TRANS (PHS&T) | | | | |
| 0020AA | <p><u>PACKAGING/HANDLING/STORAGE/TRANSPORTATION (PHS&T)</u></p> <p>GENERIC NAME DESCRIPTION: PKG/HAND/STOR/TRANS (PHS&T) CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF CLIN 0020AA SHALL BE IAW THE FOLLOWING CDRLS:</p> <p>A030 Logistic Management Information (LMI) Coded Data Products Packaging A031 Special Packaging Instructions (SPI) A032 Validation Test Report A033 Equipment Preservation Data Sheets (EPDS) A034 EPDS validation report</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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Name of Offeror or Contractor:

| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|--|----------|------|------------|----------|
| 0021 | GENERAL PUBLICATIONS | | | | |
| 0021AA | <p><u>GENERAL PUBLICATIONS</u></p> <p>GENERIC NAME DESCRIPTION: GENERAL PUBLICATIONS CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF CLIN 0021AA SHALL BE IAW THE FOLLOWING CDRLS:</p> <p>A007 Technical Manual Plan A008 Technical Manual Quality Assurance (TMQA) Program Plan A050 Copyright Release A060 NMWR Candidate List A063 Validation Plan A064 Validation report A065 Certificate of validation A066 Discrepancy Report</p> <p style="text-align: center;">(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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Name of Offeror or Contractor:

| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|--|----------|------|------------|----------|
| 0022 | NEW EQUIPMENT TRAINING (NET) | | | | |
| 0022AA | <p><u>NEW EQUIPMENT TRAINING (NET)</u></p> <p>GENERIC NAME DESCRIPTION: NEW EQUIPMENT TRAINING (NET) CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF CLIN 0022AA SHALL BE IAW THE FOLLOWING CDRLS:</p> <p>A067 Operator/Crew tasks list A068 Maintainer tasks list A069 Operator NET Package A070 Maintainer NET Package A071 OPNET A072 FLMNET A073 Operator Training Support Package A074 Maintainer Training Support Package A075 Operator Instructor Guide A076 Maintainer Instructor Guide A077 Operator Student Guide A078 Maintainer Student Guide A079 Operator Test Questions Key A080 Maintainer Test Questions Key A081 Training Certificate</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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Name of Offeror or Contractor:

| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|--|----------|------|------------|----------|
| 0023 | LOGISTICS | | | | |
| 0023AA | <p><u>LOGISTICS</u></p> <p>GENERIC NAME DESCRIPTION: LOGISTICS CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF CLIN 0023AA SHALL BE IAW THE FOLLOWING CDRLS:</p> <p>A006 Logistics Quality Plan A083 Inspection and Assessment report A090 Item Unique Identification (IUID) A091 DMSMS Management Plan A093 Transportability Report A094 Human Factors Engineering Analysis (HFEA) A095 Corrosion Prevention and Control Plan (CPCP) A096 Hazardous Materials Management Report (HMMR) A097 Safety Assessment A104 Fault Insertion Plan</p> <p style="text-align: center;">(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

Name of Offeror or Contractor:

| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|--|----------|------|------------|----------|
| 0024 | FIELD MAINTENANCE TOOL KIT FSCM: 19207 PART NR: XXX-XXXX | | | | |
| 0024AA | <p><u>FAT FIELD MAINTENANCE TOOL KIT (FMTK)</u></p> <p>GENERIC NAME DESCRIPTION: FIELD MAINTENANCE TOOL KIT CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>FMTK SHALL BE IAW PWS SECTION 19.0.</p> <p>SEE CLAUSE 52.209-4 AND SECTION F FOR FAT SAMPLE DELIVERY INSTRUCTIONS.</p> <p>(End of narrative B001)</p> <p><u>Packaging and Marking</u> PACKAGING/PACKING/SPECIFICATIONS: SEE PACKAGING CLAUSE 52.211-4517 LEVEL PRESERVATION: Military LEVEL PACKING: Commercial</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination Government Approval/Disapproval Days: 90</p> <p>FOB POINT: Destination</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> | | | \$ _____ | \$ _____ |

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Name of Offeror or Contractor:

| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|---|----------|------|------------|----------|
| 0025 | TDP FMTK | | | | |
| 0025AA | <p><u>TECHNICAL DATA PACKAGE (TPD) FMTK</u></p> <p>GENERIC NAME DESCRIPTION: TDP FMTK CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF CLIN 0025AA SHALL BE IAW THE FOLLOWING CDRLS:</p> <p>A086 Tool Layout Plan A087 Individual Tool Images A088 Set Images A089 Copyright Release A099 Technical Data Packagen (TDP) A103 Receipt & Accountability</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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Name of Offeror or Contractor:

| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|---|----------|------|------------|----------|
| 0026 | LLRC ENGINE FSCM: 19207 PART NR: XXX-XXXX | | | | |
| 0026AA | <p><u>FAT - LLRC (ENGINE)</u></p> <p>GENERIC NAME DESCRIPTION: LLRC ENGINE CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF CLIN 0026AA SHALL BE IAW PWS SECTION: C.10.11 AND THE FOLLOWING CDRLS:</p> <p>A035 Concept Drawing (Engine) A038 Test Container (Engine) A041 LLRC Fit-Up (Engine) A044 LLRC Test Report (Engine)</p> <p>SEE CLAUSE 52.209-3 AND SECTION F FOR FAT REPORT DELIVERY INSTRUCTIONS.</p> <p>(End of narrative B001)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin Government Approval/Disapproval Days: 90</p> <p>FOB POINT: Destination</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> | | | \$ _____ | \$ _____ |

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Name of Offeror or Contractor:

| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|--|----------|------|------------|----------|
| 0027 | LLRC (TRANSMISSION) FSCM: 19207 PART NR: XXX-XXXX | | | | |
| 0027AA | <p><u>FAT - LLRC (TRANSMISSION)</u></p> <p>GENERIC NAME DESCRIPTION: LLRC (TRANSMISSION) CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF CLIN 0027AA SHALL BE IAW PWS SECTION: C.10.11 AND THE FOLLOWING CDRLS:</p> <p>A036 Concept Drawing (Transmission) A039 Test Container (Transmission) A042 LLRC Fit-Up (Transmission) A045 LLRC Test Report (Transmisson)</p> <p>SEE CLAUSE 52.209-3 AND SECTION F FOR FAT REPORT DELIVERY INSTRUCTIONS.</p> <p>(End of narrative B001)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin Government Approval/Disapproval Days: 90</p> <p>FOB POINT: Destination</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> | | | \$ _____ | \$ _____ |

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Name of Offeror or Contractor:

| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|--|----------|------|------------|----------|
| 0028 | FAT - LLRC (T-CASE) FSCM: 19207 PART NR: XXX-XXXX | | | | |
| 0028AA | <p>FAT - LLRC (T-CASE)</p> <p>GENERIC NAME DESCRIPTION: FAT - LLRC (T-CASE) CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF CLIN 0028AA SHALL BE IAW PWS SECTION: C.10.11 AND THE FOLLOWING CDRLS:</p> <p>A037 Concept Drawing (T-Case) A040 Test Container (T-Case) A043 LLRC Fit-Up (T-Case) A046 LLRC Test Report (T-Case)</p> <p>SEE CLAUSE 52.209-3 AND SECTION F FOR FAT REPORT DELIVERY INSTRUCTIONS.</p> <p>(End of narrative B001)</p> <p><u>Packaging and Marking</u></p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin Government Approval/Disapproval Days: 90</p> <p>FOB POINT: Destination</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> | | | \$ _____ | \$ _____ |

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Reference No. of Document Being Continued
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Name of Offeror or Contractor:

| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|---|----------|------|------------|----------|
| 0029 | TDP - LLRC (ENGINE) | | | | |
| 0029AA | <p><u>TDP - LLRC (ENGINE)</u></p> <p>GENERIC NAME DESCRIPTION: TDP - LLRC (ENGINE) CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF CLIN 0029AA SHALL BE IAW PWS SECTION: C.10.1.2.8 AND CDRL A047 LLRC TDP (Engine)</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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Name of Offeror or Contractor:

| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|---|----------|------|------------|----------|
| 0030 | TDP - LLRC (TRANSMISSION) | | | | |
| 0030AA | <p><u>TDP - LLRC (TRANSMISSION)</u></p> <p>GENERIC NAME DESCRIPTION: TDP - LLRC (TRANSMISSION) CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF CLIN 0030AA SHALL BE IAW PWS SECTION: C.10.1.2.8 AND CDRL A048 LLRC TDP (Transmission)</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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Name of Offeror or Contractor:

| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|--|----------|------|------------|----------|
| 0031 | TDP - LLRC (T-CASE) | | | | |
| 0031AA | <p>TDP - LLRC (T-CASE)</p> <p>GENERIC NAME DESCRIPTION: TDP - LLRC (T-CASE) CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>DELIVERIES AND PERFORMANCE OF CLIN 0029AA SHALL BE IAW PWS SECTION: C.10.1.2.8 AND CDRL A049 LLRC TDP (T-Case)</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | \$ _____ |

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| ITEM NO | SUPPLIES/SERVICES | QUANTITY | UNIT | UNIT PRICE | AMOUNT |
|---------|---|----------|------|------------|---------------------------|
| 0032 | CMR | | | | |
| 0032AA | <p><u>CONTRACTOR MANPOWER REPORTING</u></p> <p>GENERIC NAME DESCRIPTION: CMR CLIN CONTRACT TYPE: No Cost</p> <p>CONTRACTOR MANPOWER REPORTING (CMR) WILL BE IN ACCORDANCE WITH (IAW) CLAUSE 52.237-4000.</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> | | | | <p>\$ _____ ** NSP **</p> |

Name of Offeror or Contractor:

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

1.0 Scope

1.1 Purpose: The Contractor shall provide the Government with the development of all Logistical requirements to support the Program of Record (PoR) for the MMPV Type II, NSN: 2355-01-616-9288 configuration as defined by the Government, to support Full Material Release (FMR). The Contractor shall develop a System Support Package (SSP) to support a Logistics Demonstration (LD) and Test and Evaluation (T&E). The Contractor shall develop Technical Manuals (TM), support LD, conduct provisioning, develop packaging information, create New Equipment Training (NET) support packages, address Safety requirements, and develop all Logistics Management (LMI) data products, and perform Configuration Management for the MMPV Type II. In addition, the Contractor shall provide Functional Technical Support, maintenance and parts support, as identified.

1.2 Background: The MMPV Type II is an Acquisition Category II (ACAT II) program designated to fulfill Engineer Route Clearance Companies (RCCs) Modified Table of Organization and Equipment (MTOEs) as a critical Pacing item. The MMPV Type II is being developed to meet requirements identified under CPD 3.8 Revision 2, dated 08 Dec 2012. The MMPV Type II program is projected to obtain Full Material Release (FMR), 1st QT FY 16.

2.0 Applicable Documents

2.1 Document Availability: The Logistics data preparation requirements and the delivery requirements are described below. The specifications shown below shall be used for the development of logistics documentation in this performance work statement (PWS). The following specifications and standards form a part of this document to the extent specified. Unless otherwise specified, the versions of these documents shall be those in the Department of the Defense Index of Specifications and Standards (DODISS) and supplements in effect at the time of contract award. Copies of these documents are available online at <http://assist.daps.dla.mil/quicksearch/>, <http://www.usapa.army.mil/>, or <http://www.tradoc.army.mil/tpubs/regndx.htm>.

2.2 Department Of Defense Specifications

| <u>Document Number</u> | <u>Document Title</u> |
|------------------------|--|
| DI-MISC-80508B | Technical Reports Study / Services |
| DI-MISC-80177B | Bar Code Identification Report Summaries |
| DI-SESS-81758 | Logistics Product Data |
| DI-SESS-81759 | Logistics Product Data Summaries |
| DI-SESS-81872 | Level of Repair Analysis (LORA) Report |
| DI-TMSS-81813 | Technical Manuals Book Plan |
| DI-SESS-81315B | Failure Analysis and Corrective Action Report (FACR) |
| DI-TMSS-81817 | Technical Manual Quality Assurance Program Plan |
| DI-TMSS-81818 | Contractor Validation Plan |
| DI-TMSS-81819A | Contractor Validation Certificate |
| DI-TMSS-81820 | TM Discrepancy/Disposition Record |
| DI-ADMN-81505 | Report, Record of Meeting/Minutes |
| DI-PACK-80121C | Special Packaging Instructions (SPI) |
| DI-PACK-80120C | Preservation and Packing Data |
| DI-ALSS-80868 | Special Tools Test Equipment (STTE) |
| DI-ILSS-80872 | Training Materials |
| DI-CMAN-80639C | Engineering Change Proposal (ECP) |
| DI-CMAN-80640C | Request for Deviation (RFD) |
| DI-CMAN-80792A | Contractor Validation Report |
| DI-QCIC-81068 | End Item Final Inspection Record (FIR) |
| DI-MGMT-81255 | Production Progress Report |
| DI-MISC-80759A | Validation Plan |
| DI-SAFT-80102B | Safety Assessment Report |
| DI-MISC-81397B | Hazardous Materials Management Program (HMMP) Report Using NAS 411 |
| DI-ADMN-81249A | Conference Agenda |
| DI-PACK-80880D | Transportability Report |

2.3 Department of Defense Standards/Handbooks

| <u>Document Number</u> | <u>Document Title</u> |
|------------------------|--|
| MIL-DTL-31000D | Technical Data Packages (TDP) |
| GEIA-STD-0007 | Logistics Products Data |
| MIL-STD-882E | System Safety |
| MIL-STD 129P(4) | Military Marking for Shipment and Storage. |

Name of Offeror or Contractor:

| | |
|--------------------|---|
| MIL-STD-130N(1) | Identification Marking of U.S. Military Property. |
| MIL-STD-2073-1E(1) | Standard Practice for Military Packaging |
| MIL-STD-38784A | Manuals, Technical: General Style and Format. |
| MIL-STD-40051-2B | Preparation of Digital Technical Information for Page- based Technical Manual |
| MIL-STD-1472G | Human Engineering |

2.4 Other Government Publications

| <u>Document Number</u> | <u>Document Title</u> |
|------------------------|---|
| AR 700-15 | Packaging of Materiel |
| AR 700-18 | Provisioning of US Army Equipment |
| AR 750-1 | Army Materiel Maintenance Policy |
| AR 750-143 | Packaging of Hazardous Materiel |
| DA PAM 700-21 | TMDE Register Index |
| DA PAM 700-60 | Department of the Army SKO |
| AFMAN 24-404 | Packaging of Hazardous Materiel |
| AMC-P-700-25 | Guide to Provisioning |
| ASTM D4169 | Standard Practice for Performing Testing of Shipping Containers |
| MIL-HDBK 2361-C | Army Digital Publications Development Implementation Guide |
| MIL-HDBK-1222E | Guide to the General Style and Format of U.S. Army Work Package Technical Manuals |
| MIL-HDBK-502A | Acquisition Logistics |
| MIL-PRF-63004D | Lubrication Orders (Appendix K) |
| MIL-PRF-29612B | Training Data Products |
| CFR 29,40,49 | Code for Federal Regulations |
| NAS 411 | HAZMAT and General Packaging |
| TB 750-93-1 | Functional Group Codes (FGC) Technical Bulletin |
| TRADOC Reg 350-70 | Total Army Training System |
| ISO 9001:2008 | International Standards Organization (ISO) |
| DFARS 252.211-7003 | Defense Federal Acquisition Regulations System |
| MTMCTEA Pam 70-1 | Military Traffic Management Command, Transport Engineering Agency, Pamphlet 70-1, Transportability for Better Deployability |
| TechAmerica-STD-0016 | Standard for Preparing a Diminishing Manufacturing Sources and Material Shortages (DMSMS) Management Plan |
| CPC SPIRAL 3 | Corrosion Prevention and Control Planning Guidebook - Spiral 3 |

3.0 Requirements

3.1 Contract Objective: The Contractor shall develop all logistics data as described within the PWS. The Contractor shall correct all information to support the MMPV Type II configuration that passes test. The Contractor is responsible to create all new logistics documentation for this effort. The Government requires complete ILS development, provisioning, technical publications, and STTE required under this effort.

3.2 Government Furnished: The Government will furnish limited information and equipment to support the creation of logistics documents as identified in paragraphs below. Any items purchased by the Contractor utilizing Government funds in support of this effort, will be turned over to the Government at the conclusion of this effort. All Government Furnished Information (GFI) and Government Furnished Equipment (GFE) will be furnished as identified in C.3.2.1 and C.3.2.2. If the Government does not identify the equipment as being furnished, the Contractor shall anticipate it is the Contractors responsibility to purchase or obtain any tools or equipment necessary to support this contract action. The Contractor shall return all items listed under Government Furnished in accordance with the disposition instructions provided by the Government at the conclusion of his effort.

3.2.1 Government Furnished Information (GFI):

The following list provides the Governments anticipated availability of GFI data, in days, following the Start of Work Meeting:

| |
|---|
| 00 Days - Test and Evaluation Master Plan (TEMP) |
| 00 Days - Government owned Technical Data Package (TDP) for the Robot Deployment System (RDS), 360 Drawings |
| 00 Days Listing of TACOM 19207 Numbers to support LLRC Development |
| 00 Days Government owned TDP for Explosively Formed Penetrator (EFP) Armor, 100 Drawings |
| 00 Days Government owned TDP for Objective Gunner Protection Kit (OGPK) 38 drawings |
| 00 Days Government owned TDP for Front clip Antenna Mounts 10 drawings |
| 00 Days Government owned TDP for Turret Stop Block - 5 drawings |
| 00 Days Government owned TDP for Program of Record (POR) Weldments - 30 drawings |
| 00 Days Government owned TDP for Aluminum Appliqu'e9 20 drawings |
| 00 Days Government owned TDP for Window Blanks 20 drawings |
| 00 Days Government owned TDP for Fuel Tank 25 drawings |

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00 Days Government owned TDP for Auxiliary Power System 45 drawings
00 Days Government owned TDP for Ammo Storage 10 drawings
00 Days Government owned TDP for Auxiliary Battery System 15 drawings
00 Days Government owned TDP for Weapons Storage 35 drawings
00 Days Government owned TDP for LED Light Upgrade 20 drawings
00 Days Government owned TDP for Digi Rack 40 drawings
00 Days Government owned TDP for Door Controls 30 drawings
00 Days Government owned TDP for HVAC Upgrade 30 drawings
00 Days Government owned TDP for Exterior Bins Installation 200 drawings
00 Days Government owned TDP for Exterior GFE Brackets 55 drawings
00 Days Government owned TDP for Interior GFE + Brackets 50 drawings
00 Days Government owned TDP for Original Aniston Army Depot Metal Works Kit -
00 Days Government owned TDP for Integrated Slew Ring 15 drawings
00 Days Government owned TDP for Improved ITDS 2 drawings
00 Days Government owned TDP for Battery Box Mod kits 6 drawings
00 Days Government owned TDP for Neptune kits 23 drawings
00 Days Government owned TDP for MRAP Safety Placards 8 drawings

3.2.2 Government Furnished Equipment (GFE): The following list provides the Governments anticipated availability of GFE, in days, following the Start of Work Meeting:

30 Days Qty 1 Robot Deployment System (RDS), Cage 19207 PN 12571775
30 Days Qty 1 MMPV Type II vehicles, NSN 2355-01-616-9288, PN M1270
30 Days Qty 1 Interrogation Arm (IA), NSN 2590-01-618-5030, PN 12571776, cage 19207
30 Days Qty 1 Maintenance Support Device (MSD) with Internal Combustion Engine (ICE), NSN 6625-01-493-8968
30 Days Qty 1 Objective Gunner Protection Kit (OGPK), Cage 19200, PN 13024000
30 Days Qty 1 Common Remote Operated Weapons Station (CROWS), NSN 1090-25-160-1292
30 Days Qty 1 Vehicle Optics Sensor System (VOSS), NSN 5895-01-564-7999, PN ANVSQ-6B
30 Days Qty 1 Chevron Bar Armor Kit, 19207, N/A

3.3 Intentionally Left Blank

3.4 Management and Administration

3.4.1 Contractor Management

3.4.1.1 The Contractor shall comply with the Department of Defense (DoD) Regulations, specifications, and requirements identified herein. The Contractor is responsible for meeting all of the requirements defined in the contract and corresponding Contract Data Requirements Lists (CDRLs).

3.4.1.2 The Contractor shall be responsible for the time keeping, security clearance, administration, travel arrangements, management, and conduct of all persons they employ.

3.4.1.3 The Contractor is responsible for the management, oversight, and control of subcontractor and their performance in support of this effort.

3.4.1.4 The Contractor shall establish a program management office function and in support of this contract effort designate a Contractor Integrated Logistics Support Manager (C-ILSM) to manage all technical performance, schedule, ILS, data, and hardware delivery. The C-ILSM shall be responsible for corresponding with the Governments Integrated Logistics Support Manager (G-ILSM) and Contracting Officer Representative (COR) for day-to-day management of this effort. The Contractor shall establish and maintain management operations consisting of the following areas:

3.4.1.4.1 Program Planning and Control

3.4.1.4.2 Subcontractor Control

3.4.1.4.3 Data Management

3.4.1.4.4 Management and Accountability for GFE/GFI

3.4.1.4.5 Risk Management

3.4.1.4.6 Quality Assurance

3.4.1.5 Contractor Quality Control: The Contractor shall implement and maintain an effective quality control program to ensure services are performed in accordance with this PWS. The Contractor shall implement procedures to identify and prevent or ensure non-recurrence of defective services. The Contractors quality control program is the means of assuring the work complies with the requirement of this PWS. The Contractor is responsible to ensure the quality of all documentation prior to submittal to the Government. The Contractor shall have effective quality controls in place. The Contractor shall perform sufficient and proper validation of data (See C.4.6) submitted to the Government. If the Government finds that there has not been sufficient and proper validation of data submitted, or that the quality controls in place are not effective, the Government will cease review of documentation and the data submittal will be rejected and not considered for acceptance until the data is corrected by the Contractor.

| | | |
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3.4.2 Government Program Management

3.4.2.1 The Government will manage and monitor this contract through the use of meetings, document review, the Governments Quality Assurance Surveillance Program (QASP), and visits to Contractors facilities. The term days (i.e. days after contract award, days before event) referenced in the PWS is understood to be calendar days, except as otherwise required.

3.4.2.2 The Procurement Contracting Officer (PCO) has the overarching responsibility and final approving authority for this contract. Only the Government PCO is authorized to modify or change this PWS.

3.4.2.3 The Contracting Officer Representative (COR) is the appointed administrator designated in accordance with DFARS 201.602-2 for receipt and commentary for all CDRL deliverables, Wide Area Work Flow (WAWF) payment approvals, and is the voice of the Support Integrated Product Team (SIPT). The COR appointment information will be provided to the Contractor at the time of Contract Award. The Government will provide notice to the Contractor of any changes to who the appointed COR is within 5 days of the new CORs appointment. The COR is not authorized to make any commitments or changes that will affect price, quantity, delivery or any other term or condition of this PWS.

3.4.2.4 All guidance provided by the Government will be submitted through the COR or PCO. Any guidance provided by any other Government representative should immediately be brought to the COR and PCOs attention for concurrence or rejection of the guidance, along with copying the Government System Acquisition Manager (SAM) and Government ILSM (G-ILSM).

3.4.2.5 The Government Contract specialist shall be included on all submittals for documentation and tracking purposes.

3.4.3 Administration

3.4.3.1 Contractor Access: To support this effort, the Contractor may request on-line access to certain Government systems. Prior to receiving access, the Contractor must ensure that the personnel assigned to these tasks have been cleared to have such access through a Government security investigation. Foreign Nationals will be approved on a case by case basis. Contractor access to the on-line systems will be revoked if actions of the personnel assigned are found to be in conflict with the interests of the Government. All requests shall be submitted for COR signature concurrence. The Contractor shall obtain a Common Access Card (CAC) to support this contract. All personnel requiring access to SharePoint or Government facilities shall request a CAC through the Contractor Verification System (CVS) to the COR.

3.4.3.2 Data and Software Requirements

3.4.3.2.1 The Contractor shall prepare each data submittal as described in the Data Item Descriptions (DID) and the Contract Data Requirements List (CDRL).

3.4.3.2.2 Data Items shall be submitted in American English.

3.4.3.2.3 Data Items shall be submitted in Windows XP/Microsoft compatible files.

3.4.3.2.4 Hardcopy Deliveries: The Government will provide the Contractor with the specifics for each office for hard-copy submissions. The two primary locations the Contractor shall deliver hard-copy submissions to are the following addresses.

3.4.3.2.4.1 AMSTA-LCC-MAI: US ARMY TACOM LCMC, 6501 E. 11 Mile Rd, Bldg 231, 3rd Floor, Mail Stop 528, ATTN: AMSTA-LCC-MAI, MMPV Type II Program, C/O Eric Canales, Warren, MI 48397-5000.

3.4.3.2.4.2 SF AE-CSS-MR-A: US ARMY TACOM LCMC, 6501 E. 11 Mile Rd, Bldg 252, Mail Stop 808, ATTN: SF AE-CSS-MR-A, MMPV Type II Program, C/O COR, Warren, MI 48397-5000.

3.4.3.2.4.3 The Contractor shall annotate all CD-ROMs with the following information:

3.4.3.2.4.3.1 Contract Number

3.4.3.2.4.3.2 CDRL Number and Name or Name and Event

3.4.3.2.4.3.3 Delivery Type (Initial, Draft, Revision, Final)

3.4.3.2.4.3.4 Date

3.4.3.2.4.3.5 Contractor Name

3.4.3.2.4.3.6 System Name

3.4.3.2.4.3.7 Unclassified/FOUO

3.4.3.2.4.3.8 Distribution Statement X (see 3.4.3.4 to determine correct distribution)

3.4.3.2.5 Electronic Deliveries: This Contract shall be supported using the US Army TACOM LCMC, PM AMS SharePoint Page. The Contractor shall submit all deliverables and information exchange electronically into SharePoint. Zip files are permitted, if the submission requires multiple individual files. The Contractor shall name all electronic submissions in the following manner:

Contract - CDRL Number Subtitle of CDRL + Submission Number - Submission Item Name Day of Submission

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- 3.4.3.2.5.1 Contract: The last 7 alphanumeric code of the contract number
- 3.4.3.2.5.2 CDRL Number: shall be exactly as appears on the CDRL
- 3.4.3.2.5.3 Subtitle of CDRL: shall be exactly as appears on the CDRL
- 3.4.3.2.5.4 Submission Number: Is 4 to 5 alphanumeric code indicating submission/resubmission number. An S indicates a first-time submission, an RS indicates a Resubmission. The submission number shall be 3 digits long (i.e. 001, 010); the resubmission number shall be the same 3 digits long with an extension corresponding to the resubmission number (i.e. 001.1, 010.1, 001.2)
- 3.4.3.2.5.5 Submission Item Name: Shall indicate what the item is and the type of submission (i.e. Draft, Final, Conference Package, etc.)
- 3.4.3.2.5.6 Day of Submission: Shall be DDMMYY (the month shall be spelled out in alpha characters)

Example: 13D0013 - NET001 Critical Task List S001 - Draft CTL 09May2013

Example: 13D0013 - PKG002 - Special Packaging Instructions (SPI) RS003.1 Draft MMPV Type II SPI Revision 09May2013

3.4.3.3 Operations Security (OPSEC) Review: All data and documentation submitted under this contract will be subject to OPSEC review. The Contractor shall consider its data OPSEC sensitive and shall notify the PCO of any request for data from any other agency or entity. Prior to public release all data (to include assembly instructions, photographs, and technical manuals) must undergo review if the Distribution Statement is selected as A (see 3.4.3.4).

The Government will use DoDI 5230.24, Distribution Statements on Technical Documents, to determine the appropriate Distribution Statement that should be placed on documentation created under this effort. Note that different products delivered under this effort may require different Distribution Statements the Contractor shall identify any unique requirements, utilizing DoDI 5230.24, Enclosure 4, and Table 5 as supporting rationale for its recommended Distribution Statement. For any distribution statement, other than A (see C.3.4.3.3), the controlling DoD Office is AMSTA-LCC-MA, Program Name, 6501 E. 11 Mile, Warren, MI 48397-5000. The Government shall confirm to the Contractor at the Start of Work meeting the appropriate Distribution Statements for each CDRL.

3.4.3.4 Distribution Statements: The Government will use DoDI 5230.24, Distribution Statements on Technical Documents, to determine the appropriate Distribution Statement that should be placed on documentation created under this effort. Note that different products delivered under this effort may require different Distribution Statements the Contractor shall identify any unique requirements, utilizing DoDI 5230.24, Enclosure 4, and Table 5 as supporting rationale for its recommended Distribution Statement, which is subject to Government approval. For any distribution statement, other than A (see C.3.4.3.3), the controlling DoD Office is AMSTA-LCC-MA, Program Name, 6501 E. 11 Mile, Warren, MI 48397-5000. The Government will confirm with the Contractor at the Start of Work meeting the appropriate Distribution Statements for each CDRL.

3.4.3.5 Correction of Errors: The Contractor shall correct all errors found in the TMs, Technical Support Package (TSP), Electronic Technical Manuals (ETMs), logistics documents, and electronic data files resulting from Government reviews, tests, verification, demonstrations, or assessments at no additional cost to the Government.

3.4.3.6 Rework: The Contractor shall submit contract deliverables throughout the life of the contract in accordance with the Contract Data Requirements List, which are subject to acceptance or rejection by the COR or PCO. Contract deliverables that are rejected shall be reworked by the Contractor before re-submittal to the Government for review of rework and acceptance. Therefore rework is defined as any deliverable rejected that is returned to the Contractor to be reworked to meet contract acceptance criteria by the Government. The Contractor shall correct all errors found in the data delivered and the electronic data files as a result of Contractor and Government reviews, test or validation/verification at no additional cost to Government in accordance with the schedule identified in the corresponding CDRL. The Contractor shall resubmit corrected data within prescribed calendar days in accordance with corresponding CDRLs. Non-compliance shall be subject to the Government assessing an equitable adjustment to the contract and will not be subject to any additional cost to the Government.

3.4.3.7 Receipt and Acceptance: It shall be understood that submission of an item does not constitute receipt by the Government. The COR will provide written notice to the Contractor of receipt. It shall be understood that Government receipt of documentation does not constitute acceptance. Government acceptance of documentation hinges on the completeness, accuracy, compatibility of submitted documentation, and compliance with the military specifications and standards (See C.2.0). The Contractor shall carefully review all data explained in the applicable PWS paragraphs to fully understand what the Government is basing its acceptance of documentation on. The COR will provide written notice to the Contractor as to the status of its submission within the review time outline in the applicable CDRL. The Government reserves the right to withhold payment if data deliverables are delinquent. The Contractor shall be responsible for ensuring all data deliverables required in this scope of work are completed and accurate in order to meet the requirements specified within this scope of work for final Government acceptance.

3.4.3.8 TM Authority: AMSTA-LCC-MAI is the designated Government TM, Repair Parts Special Tools List (RPSTL), provisioning, and maintenance acceptance activity. If the Contractor receives comments or corrections from Government activities other than the Government acceptance activity, the Contractor shall forward these comments and corrections to the PCO or COR for approval or rejection. Notification of comments from AMSTA-LCC-MAI will be made through the PCO/COR(see C.3.4.2.4).

3.4.3.9 Movement and accountability of GFE: The Contractor shall be prepared to receive, account for, and provide either covered and secured or indoor and secured storage for GFE while in the Contractors possession. The Contractor shall coordinate shipment of GFE, in

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accordance with disposition instructions received from the Government. The Government will provide the funding for shipment of GFE to and from the Contractors facility.

3.4.3.10 Security Requirements

3.4.3.10.1 Pursuant to 10 U.S.C. 2320, all technical data developed under this contract with 100% Government funding is required to come to the Government with Unlimited Rights and shall be appropriately marked with a Distribution Statement (see C.3.4.3.4). The Contractor shall control, mark, and protect FOUO information in accordance with this document and Army Regulation 380-5, Chapter 5, paragraph 5-1 through 5-6. The Contractor may disseminate FOUO information to their employees who have a need to know the information in connection with this PWS. The Contractor shall destroy, by tearing or shredding to make the material unreadable, all FOUO material not delivered to the Government at the conclusion of the contract. The Contractor shall purge or destroy, by a physical process, all FOUO material stored on electronic media at the conclusion of the contract. FOUO information may be disseminated by the Contractors internal computer network provided it is protected with a security firewall and individual access is controlled by using IDs and passwords. The Contractor shall not release any information or data to third parties without prior expressed written approval of the PCO.

3.4.3.10.2 The Government will provide the Contractor with access to Government furnished data for the accomplishment of work under this PWS; Contractors shall conform to all security requirements.

4.0 Reports, Plans, And Data**4.1 Agendas (CDRL A001):**

The Contractor shall submit an agenda, briefing charts, and supporting documentation for each meeting as identified in C.5.0.

4.2 Minutes (CDRL A002):

The Contractor shall prepare and submit minutes after every event identified in C.5.0.

4.3 Performance Report (CDRL A003):

The Contractor shall submit a Contractor Status Report.

4.4 Internal Organizational List (CDRL A004):

The Contractor shall provide the Government with a list of all key functional Contractor personnel involved in this effort. This list shall be updated whenever key personnel changes are made to maintain accuracy.

4.5 Integrated Master Schedule (IMS) (CDRL A005):

The Contractor shall develop an IMS for all documents required in this PWS. The Contractor shall maintain the IMS for the lifetime of the contract. The Contractor shall immediately notify the Government if they foresee a schedule change. The notification shall include: (1) the reason for the change, (2) the revised schedule, and (3) the resources being applied to ensure the new scheduled date is met. The Government reserves the right to review and approve any Contractor proposed IMS updates that impact contract delivery schedules. If any proposed Contractor changes create delays or impacts to the Governments program plans, the Government may request equitable adjustment to the contract.

4.6 Logistics Quality Plan (CDRL A006):

4.6.1 Overview: The Contractor shall be responsible for the quality of all logistics documentation developed under this effort. The Contractor shall deliver all products that are complete, technically accurate, and adhere to the requirements identified within this PWS.

4.6.2 Requirements: The execution of the Logistics Quality Plan by the Contractor shall include preparation of a Logistics Quality Plan, periodic QA reviews by persons different than those preparing the logistics materials, maintenance of Quality Assurance (QA) records, TM development process improvement, and data controls to ensure that current, accurate engineering data and parts information is made available to all Contractor personnel assigned to this effort.

4.6.3 System: The Contractor shall have a quality management system as a measurement of product quality for logistics documentation produced for this contract. The Contractors quality management system shall be made available and accessible at anytime for Government review and evaluation to assess the Contractors quality system compliance, implementation and effectiveness. The Government representatives have the right to review and comment on the Contractors QA Plan, records, and processes at any time.

4.7 Technical Manual Book Plan (CDRL A007): The Contractor shall prepare and deliver a TM Plan. The purpose of this plan is to describe the development process the Contractor will use to plan, gather data, author, illustrate, produce, review, and deliver the required equipment publications under this contract.

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4.8 Technical Manual Quality Assurance (TMQA) Program Plan (CDRL A008): The Contractor shall develop and execute a TMQA to ensure the quality of the TMs and NMWRs produced under this contract. The Contractor's execution of the TMQA shall consist of QA personnel that are not the writers or editors of the publications being prepared. Validation records showing those publications corrections, deletions, and additions that were identified during the publications validation process shall be maintained. Other QA records shall be identification of change, corrections, deletions, and additions to publications that resulted from QA edit reviews.

5.0 Program Events

5.1 Start of Work (SOW) Meeting:

5.1.1 The Government will conduct a Contract Start of Work Meeting within thirty (30) days after contract award at TACOM LCMC, 6501 E 11 Mile Road, Warren, MI. The Contractor shall make available contract administration personnel, management, engineers, and logistic support personnel to carry out this PWS.

5.1.2 Discussions at the meeting shall consist of contract requirements, the establishment of lines of communications, required plans and reports, and document delivery.

5.1.2.1 The Government will:

5.1.2.1.1 Review the PWS

5.1.2.1.2 Identify Contractor support requirements for testing

5.1.2.1.3 Review Support Equipment (SE) and Test Measurement and Diagnostic Equipment (TMDE)

5.1.2.1.4 Discuss Packaging, Handling, Storage, and Transportation (PHS&T) requirements

5.1.2.1.5 Discuss NET requirements

5.1.2.1.6 Provide an overview of the Maintenance, Provisioning, and Publications requirements

5.1.2.1.7 Discuss GFE/GFI

5.1.2.2 The Contractor shall:

5.1.2.2.1 Provide a listing of Contract Personnel (see C.4.4)

5.1.2.2.2 Present its IMS (see C.4.5)

5.1.2.2.3 Provide and discuss its quality control process for ILS development (see C.4.6)

5.1.2.2.4 Identify any design influence and integration efforts considerations

5.2 Maintenance, Publications, and Provisioning (MPP) Guidance Meeting: The MPP Guidance Conference will be held in conjunction with the Start of Work Meeting. The Contractor shall present detailed paths and milestone graphic presentations that define Contractor performance necessary to meet all contract delivery requirements during this meeting. At the MPP Guidance Meeting, the Government will discuss the following topics. The Contractor shall prepare any questions, issues, or areas that they require clarification on as it pertains to these topics:

5.2.1 Technical Manual Book Plan (see C.4.7)

5.2.2 TMQA Program Plan (see C.4.8)

5.2.3 Maintenance: To review and discuss operator and maintenance functions and what constitutes reparable items (see C.6.0)

5.2.4 Support Equipment, Tools, and Test Equipment (STTE): To discuss authorized tool sets and expectations (see C.7.0)

5.2.5 Provisioning Guidance: To provide guidance to the Contractor for documenting and submitting provisioning data (see C.9.0)

5.2.6 Publications Guidance: Review and discussion of publications requirements and Government expectations (see C.11.0)

5.2.7 New Equipment Training Meeting: To review and discuss training requirements (see C.16.0)

5.3 Contract Status Meetings: The Government and Contractor shall have a monthly Status Review Meeting hosted by COR. The purpose of the meetings shall be to review status and progress of all deliverables under this contract. The Contractor shall participate in the meetings and provide status of all CDRLs and the IMS.

5.4 In-Process Reviews (IPRs): The Contractor shall present documentation at all IPRs, which will be held quarterly. The initial IPR will be held at US Army TACOM LCMC approximately 90 days after the Start of Work Meeting (see C.5.1). Follow on IPRs may rotate between TACOM LCMC, the contractor's facility, or Video Teleconferencing (VTC) on a quarterly basis. The purpose of an IPR is to discuss schedule, overview of program status, and conduct CDRL review. The Contractor shall present its performance report (see C.4.3), a detailed presentation covering schedule (see C.4.5), program status, status of each CDRL, plans for upcoming meetings planned within the quarter, data access to Government software, facility access, identification of any delays or issues with meeting any deliverables, and mitigation plans for any schedule slippage. The Contractor may present any additional information at the IPR they deem pertinent to this effort; such information shall be identified in the IPR agenda (see C.4.1).

5.5 Maintenance Publications and Provisioning (MPP) Reviews:

5.5.1 Overview: These reviews are held at the working level to allow the Government and Contractor to assess and discuss logistics documentation development. The first MPP Review will be held 45 days after the MPP Guidance Conference (see C.5.2). Follow-on meetings will be held approximately every 30 days, as scheduled between the Government and the Contractor at the prior MPP. The Contractor shall host these meetings at their facility unless the Government and Contractor agree to move the meeting to an alternate location. The MPP Review is led by the Government Maintenance Manager and will cover technical issues and concerns. MPPs are not to be considered In-

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Process Reviews (IPRs) or Contract Status Meetings. The purpose of these events is to maintain consistent oversight and review of products in development to help ensure successful validation and verification. The Contractor shall be prepared to have the material listed below available for review as notified by the COR ten (10)\~days prior to each event.

5.5.2 Personnel: The Contractor shall have the following contract personnel available to attend the MPP: Contractors ILS Manager. At minimum, the personnel from the following functional areas are recommended to attend the MPP meetings: a) Quality Assurance (QA), b) Maintenance, c) Technical Writers, d) Illustrators, and e) Provisioning. The Contractor shall ensure the appropriate technical specialists to attend MPP technical meetings, to receive guidance, clarification or assistance from the Government functional specialists during the course of the development effort, based on the Contractors agenda (see C.4.1). The Contractor shall provide all documents listed in C.5.5.3 below.

5.5.3 Requirement: The Contractor shall be prepared to have the material listed below available for Government review ten (10)\~days prior to each event:

5.5.3.1 Maintenance Analysis (see C.6.4)

5.5.3.2 Maintenance Allocation Chart (see C.6.6)

5.5.3.3 Level of Repair Analysis (LORA) (see C.6.5)

5.5.3.4 Expendable Durable Items List (EDIL) (see C.6.9)

5.5.3.5 Basic Issue Items (BII) (see C.6.8)

5.5.3.6 Component of End Item (COEI) (see C.6.7)

5.5.3.7 Mandatory Replacement Parts List (see C.6.12)

5.5.3.8 Special Tools and Test Equipment (STTE) and TMDE List (see C.7.0)

5.5.3.9 Critical Task List (see C.16.2.1)

5.5.3.10 Authorized Stockage List (ASL) (see C.18.1)

5.5.3.11 Sample Work Packages (WPs) (maintenance, troubleshooting, PMCS, RPSTL, schematics)

5.5.3.12 Sample Training Material (agendas, Program of Instruction (POIs))

5.6 Training Review Conference (TRC): TRCs will be conducted to identify and resolve any issues with developing the training material. The first TRC shall be held by the Government in conjunction with the Start of Work Meeting and MPP Guidance Meeting (see C.5.1 and C.5.2). Subsequent TRCs shall be conducted as a sub-component to the MPPs (see C.5.2) to ensure that tester, trainer, supporter, and user training requirements are met.

5.7 Provisioning Conferences: The Contractor shall provide appropriate provisioning technical specialists to attend and provide data clarification to the Government during the course of the effort and expect receive immediate feedback from the Government functional specialists. Formal provisioning conferences shall be held at the Contractor or subcontractors facility; unless the Government and Contractor agree to move the meeting to an alternate location. The Contractor is expected to present the data, rationale, and supporting documentation to the Government team for each Provisioning Line Item Sequence Number (PLISN). Every provisioning conference must cover a complete assembly and provide the next higher assembly Engineering Data for Provisioning (EDFP) for tracking purposes. A conference is anticipated to last 32 - 40 hours and covers approximately 400 records (PLISNs). The Government and Contractor may mutually agree to run a 72 - 80 hour conference to cover approximately 800 - 1000 lines. The Contractor shall host the first Conference thirty (30) days after the first MPP Review (see C.5.5). Follow-on provisioning conferences shall be held approximately every thirty (30) days at the conclusion of the first MPP Review. The Contractor shall provide the following information as necessary to support the provisioning conference effort:

5.7.1 Two (2) hard copies of the Provisioning Parts List (PPL) in a format acceptable to TACOM Logistics Modernization Program (LMP) database (1552 or LSA-036 format) (see C.9.2)

5.7.2 One (1) electronic copy and 1 hard copy of accompanying Engineering Data for Provisioning (EDFP) for each PLISN (see C.9.3)

5.7.3 One (1) electronic copy and 1 hard copy of accompanying Pre-procurement screening (PPS) for each PLISN (see C.9.4)

5.7.4 Foreign Sources of Supply Notice (see C.9.5)

5.7.5 Clean/Green Hardware Certification (see C.9.6)

5.7.6 Clean/Green Hardware Exception (see C.9.7)

5.7.7 Clean/Green Hardware NSN Split (see C.9.8)

5.7.8 Facilities and office space including copying and data processing access

5.7.9 Wireless internet access

5.7.10 One (1) hard copy of the MA (see C.6.4)

5.7.11 One (1) hard copy of the LORA (see C.6.5)

5.7.12 One (1) hard copy of the MAC (see C.6.6)

5.7.13 Draft RPSTL pages (corresponding to assemblies presented)

5.7.14 One (1) hard copy of the submitted LLTI (see 6.11)

5.7.15 Availability of the end item and components that are being presented at the provisioning conference.

5.8 Production Verification Test (PVT): The Government will conduct PVT testing at Yuma Proving Grounds (YPG), Yuma, AZ. The Contractor shall supply one Field Service Representative (FSR) to provide technical expertise, act as a liaison between the Government and the OEM, perform maintenance, and order parts in support of this event.

5.9 Logistics Demonstration (LD): The Government will conduct both an Operator and Maintainer LD for the MMPV Type II (see C.14). The

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LD for the MMPV Type II will be concurrent to the LD for the Interrogation Arm (IA), since the IA is integrated onto the vehicle. The Contractor shall conduct a complete OPNET and FLMNET training course as part of the LD, immediately prior to beginning the Operator Technical Manual LD efforts. LD will be conducted following successful completion of Contractor Validation. The Contractor shall be prepared with NET package for approximately 15 students (see C.16). The Operator LD is anticipated to run 5 days/week, 8 hours/day for up to 5 weeks. The Maintainer LD for the MMPV Type II will be held immediately following the Operator LD. The Maintainer LD is anticipated to run 5 days/week, 8 hours/day for up to 3 months. The Contractor shall be prepared to attend and support as required (see C.17.5) the LD at YPG, Yuma, AZ.

5.10 Operational Test (OT): The Contractor shall provide training OPNET and FLMNET prior to the beginning of OT. OT will be conducted following successful completion of LD. The Contractor shall be prepared with NET package for approximately 15 students (see C.16). The Contractor shall support OT testing at YPG, Yuma, AZ. The Contractor shall supply one FSR to support this event (see C.17.5).

5.11 Verification Preparation Meeting: The Contractor shall host a Verification preparation meeting 15 days after receipt of Government notice that the Preliminary Technical Manual (PTM) (see C.11) is acceptable to move into Government Verification. The Government will assess the Contractors readiness for the upcoming verification, ensure the BII, COEI, STTE availability, and review the proposed parts listing in support of verification (see C.13). The Government will also review the Verification Plan (see C.15) to ensure the Contractor fully understands its responsibilities. The Government will assess if all entrance criteria expectations have been met and that Verification can be scheduled (see C.15).

5.12 Verifications:

5.12.1 Operator & Field Maintenance TM Suite: The Government will conduct Verification on the MMPV Type II Technical Manuals (see C.15). The Verification for the MMPV Type II will be concurrent to the Verification for the IA, since the IA is integrated onto the vehicle. The Verification is anticipated to run 5 days/week, 8 hours/day for approximately 9 months. Any delays as a result of documentation rework (see C.3.4.3.6) shall be the responsibility of the Contractor, and could result in an extended Verification duration. The Verification will be held at a Government location within the Metro Detroit Area, MI, USA.

5.12.2 Component NMWR/RPSTL: The Government will conduct Verifications on the MMPV Type II component NMWRs. Each component NMWR (see C.12) is anticipated to run 5 days/week, 8 hours/day for 2 weeks. The Government intends to conduct these Verifications back-to-back. The Verification will be held at Red River Army Depot, Texarkana, TX, USA. The Contractor shall provide one each of the components to support Verification (see C.15) in its LLRC (see C.10) as applicable.

5.12.3 MMPV Type II NMWR/RPSTL: The Government will conduct Verifications on the MMPV Type II end item NMWR (see C.13). The end item NMWR is anticipated to run 5 days/week, 8 hours/day for 3 months. The Government will conduct the Verification of the end item NMWR 90 days after all component NMWRs have successfully completed Verification. The Verification will be held at Letterkenny Army Depot (LEAD), Chambersburg, PA, USA.

5.13 Operator and Field Level Maintainer Instructor and Key Personnel (IKPT) training (IKPT):

5.13.1 The Contractor shall conduct a 40 hour Operator I&KPT course for approximately 12 personnel (not to exceed 15).

5.13.2 The Contractor shall conduct an 80 hour Field Maintenance I&KPT course for approximately 12 personnel (not to exceed 15).

5.13.3 The Contractor shall provide a complete TSP, Student, and Instructor Guides (see C.16) for both Operator and Field Level Maintainer for each student. The Contractor shall develop and provide IKPT that will be supported by the Job Task Analysis (JTA) (see C.16).

5.13.4 The Contractor shall train personnel during I&KPT. I&KPT shall be held at a Government facility in Michigan, USA.

6.0 MAINTENANCE**6.1 Maintenance Concept**

6.1.1 The purpose of Army maintenance is to generate and regenerate combat power and preserve the capital investment of combat systems and equipment to enable training and mission accomplishment. The Army relies on four core maintenance processes to manage equipment during the courses of its useful service life to achieve a high state of readiness. They are performance observation, equipment services, fault repair, and single standard repair.

6.1.2 6.1.1 In accordance with AR 750-1 and the Armys maintenance philosophy, the end item will be serviced, maintained, repaired and overhauled at the lowest levels of Army maintenance possible by military personnel. The Contractor shall comply with the Army Maintenance System, as defined within AR 750-1, when developing logistics documentation. The Army Maintenance System consists of two levels, Field and Sustainment.

6.1.3 Field Maintenance is on-system maintenance, repairs and returns equipment to the operator or the user.

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6.1.4 Field maintenance is the first function of the Army maintenance system.

6.1.5 Operator/crew maintenance is the most critical operation of the Army maintenance system.

6.1.6 Operator/crew performing PMCS from the applicable TM XX-10 series is the cornerstone of the Army Maintenance System. The before, during, and after PMCS checks concentrate on ensuring equipment is Fully Mission Capable (FMC) and maintained in accordance with the TM XX-10 series operators manuals.

6.1.7 Field mechanics will use the TM XX-10 and TM XX-20 series to identify and correct faults. The TM XX-20 series PMCS tables are used to perform scheduled PMCS services that sustain and extend the FMC time of the equipment.

6.1.8 Depot maintenance is off-system maintenance, primarily repairs and returns equipment and components to the supply system.

6.1.9 Depot maintenance is the second function of the Army maintenance system.

6.1.10 Depot maintenance is characterized by commodity-oriented repair of components and end items in support of the Army.

6.2 Maintenance Planning (CDRL A009):

The Contractor shall conduct Maintenance Planning that determines maintainability characteristics of the end item. This analysis shall be documented in a Maintenance Planning Summary. A maintenance planning summary should include supporting information from the RAM testing that justifies the need for maintenance actions (e.g., failure modes). Other reliability and maintainability data could also be incorporated includes, but is not limited to: task frequency, failure rate of an item or mean time between failure, mean time to repair an item, mean time between maintenance actions, mean time between removals, and operational availability. The summary shall be broken down within the hierarchy of the end item by major component. The Contractor shall find commercially available reliability information to support this Maintenance Plan.

6.3 Supportability Analysis (CDRL A010):

The Contractor shall conduct a supportability analysis as an integral part of the systems engineering process beginning at program initiation and continuing throughout program development. Supportability analysis shall form the basis for related design requirements included in the system specification and for subsequent decisions concerning how to most cost-effectively support the system over its entire life-cycle.

6.4 Maintenance Analysis (MA) (CDRL A011):

6.4.1 The Contractor shall analyze the operational, maintenance and support function of the system by identifying all required operator and maintenance tasks. Maintenance of the end item will be driven by the Army's maintenance system, (see C.6.2). The analysis shall be reliability-centric and identify maintenance functions, levels of maintenance, manpower, spare parts and the support equipment required, as clarified by Attachment A01 (Maintenance Analysis). The Contractor shall incorporate the Supportability Analysis (see C.6.3) into the MA.

6.4.2 The analysis shall determine all maintenance requirements and functions, including all Preventative Maintenance Checks and Services (PMCS), based on:

6.4.2.1 Identification of components which are critical in terms of mission and operating system

6.4.2.2 Components whose functional failure will not be evident to the operator

6.4.2.3 Economical and operational consequences of failure

6.4.2.4 Where scheduled maintenance can prevent failure.

6.4.3 The analysis will be in End Item hardware top down breakdown, disassembly sequence with attaching hardware being called off first. It will identify Functional Group Codes (FGC) in accordance with Technical Bulletin (TB) 750-93-1 for each repairable item. The analysis shall identify Functional Group Codes (FGC) in accordance with Technical Bulletin (TB) 750-93-1 for each repairable item. The Contractor shall ensure all information complies with the TB, making adjustments to the analysis as necessary.

6.5 Level of Repair Analysis (LORA) (CDRL A012):

6.5.1 The Contractor shall conduct the Level of Repair Analysis (LORA) for the end item and its major components. These analysis shall determine the maintenance level at which the items should be repaired or replaced, with an evaluation threshold of \$500 for Field and \$1250 for Sustainment. The Contractor shall include economic and non-economic criteria in this analysis. Non-economic criteria that could impact the level of maintenance decision consist of: manpower and personnel implications, support equipment and facilities availability, and the maintenance concept. Additionally, factors such as availability of replacements and the affect on operational readiness must also be considered. The Contractor shall deliver a LORA report and the source data.

6.5.2 Results of this analysis shall be incorporated in the Maintenance Allocation Chart (MAC) and Technical Manuals, required elsewhere

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in this PWS.

6.6 Maintenance Allocation Chart (MAC) (CDRL A013):

6.6.1 The Contractor shall develop the Maintenance Allocation Charts (MAC) in accordance with MIL-STD-40051-2B. The MACs are living documents that forms the basis for Technical Manual (TM) development; it is therefore subject to change throughout the life of the contract. The MAC designates overall authority and responsibility for the performance of maintenance tasks on the identified end item.

6.6.2 The MAC shall identify the repair functions that must be performed, the maintenance levels responsible for the function, the active repair time, tools and test equipment necessary to perform the function for each repairable assembly, subassembly, and component in Functional Group Code (FGC) sequence, in accordance with AR 750-93-1. The MAC shall be based on the Supportability Analysis, Maintenance Analysis, and LORA.

6.6.3 The MAC shall include all maintenance significant components, assemblies, subassemblies and modules. Parts requiring a test procedure prior to replacement shall also be listed in the MAC. The MAC shall utilize the same naming nomenclature as identified during the provisioning process, to comply with the official Item Name

6.7 Component of End Item (COEI) (A014):

The Contractor shall identify the COEI, per AR 700-18. COEI are part of the End Item that must be with the End Item, whenever it is issued or transferred between property accounts. COEI are removed and separately packaged for transportation. All major components of the end item will be identified and described in the operator manual. Any component identified on the engineering drawing that is physically separate and distinct and that must be removed from the end item and separately packaged and stored for transportation shall be separately listed by NSN in a table as an appendix in the operator's manual.

6.8 Basic Issue Items (BII) (CDRL A015):

6.8.1 The Contractor shall identify the BII, per AR 700-18. BII are those items identified as essential for an operator or crew to place the end item into initial operation to accomplish its defined purpose. These items are essential to perform emergency repairs which cannot be deferred until completion of an assigned mission and routine maintenance.

6.8.2 The BII are not listed on the engineering drawings. The BII includes those select common and special purpose tools, TMDE, spare and repair parts, Operator publications, first aid kits, and safety equipment (for example fire extinguishers) authorized for the end item.

Although spare and repair parts are not normally included in BII, the Government may make exceptions to the criteria above for on-board spares.

6.9 Expendable Durable Items List (EDIL) (CDRL A016):

6.9.1 The Contractor shall identify the EDIL, which is a living document, for the end item. The list defines the expendable/durable supplies and materials required for operating and maintaining the End Item. The Contractor shall provide US-based sources to support the EDIL.

6.9.2 The minimum requirements for each submittal are the following: Item Number, Maintenance Level, National Stock Number, Description, Commercial and Government Entity (CAGE), Part Number, and Unit of Issue (UI). Final submittal of the Expendable and Durable Items List (EDIL) shall be in the format as depicted in MIL-STD-40051-2B and included in the applicable section of the final submission of the Department of Army (DA) Technical Manual (TM).

6.10 Additional Authorized Items List (AAL) (CDRL A017):

6.10.1 The Contractor, in coordination with the Government, shall develop a proposed AAL listed based on the Capabilities Production Document (CPD) for the end item. AAL items are optional to be used to support the end item during operations, per AR 700-18. The AAL are listed in the end item operator manual for informational purposes.

6.10.2 AAL items are:

6.10.2.1 Items not issued with the end item and are not listed on the end item engineering drawings as part of the end item NSN configuration.

6.10.2.2 AAL items are not required to be turned in with the end item.

6.10.2.3 AAL shall be listed in the operators manual by NSN. The recommended minimum quantity of each item recommended for support of one end item will be identified.

6.11 Long Lead Time Items List (LLTI) (A018):

6.11.1 The Contractor shall identify the LLTI. LLTIs are those identified as requiring advance ordering to meet delivery schedules. LLTI repair parts present a problem because the provisioning cycle and procurement lead times are extensive. LLTI may be items that due to their complexity of design, complicated manufacturing processes, or limited production capacities cause extended production of

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procurement cycles beyond six (6) months. These items can create supply issues if not ordered in advance of the normal provisioning process.

6.11.2 Items identified on the LLTI shall contain the following: Item name, level of maintenance, NSN (if applicable), CAGE, P/N, description, quantity required for the end item, unit price, PLISN, and production lead time. The Contractor shall also submit corresponding EDFP (see C.8.3).

6.12 Mandatory Replacement Parts List (MRPL) (CDRL A019): The Contractor shall identify and provide MRPL for all items that require replacement on the end item. MRPL items are items to be used to support the end item during repair operations. MRPL items are listed in the end item Operator Manual. This includes a list of all mandatory replacement parts referenced in the task initial setups and procedures. These are items that must be replaced during maintenance whether they have failed or not. This includes items based on usage intervals (examples: miles, time, and rounds fired).

7.0 SUPPORT EQUIPMENT TOOLS AND TEST EQUIPMENT (STTE)**7.1 STTE List (CDRL A020):**

The Contractor shall deliver a list of Support Equipment Tools and Test Equipment required for performing maintenance or troubleshooting on the MMPV Type II. The Contractor shall identify all special tools, special TMDE and all non-standard tools not available in the Authorized tool load for the MMPV. The Contractor shall use the Maintenance Analysis (see C.6.4), as the basis for identifying STTE. The Contractor shall maximize the use of common tools, support equipment, and TMDE normally organic to the user. After TM Verification the Contractor shall provide any TMDE calibration instructions requested from the United States Army TMDE Activity (USATA) (CDRL A100). The Contractor shall identify and procure non-standard tools that are not part of the US military tool inventory authorized for the MMPV Type II.

7.2 Special Tools: A special tool is a tool designed to perform a specific task for use on a specific end item or a specific component of an end item and is not available in the common tool load that supports that end item or unit (unit organic tool sets) . It is authorized by the repair parts and special tool list located within that end items TM. The following paragraphs are included to clarify special tools for Army use special tools are not identified in the units authorized Component Listings (CL) from the Sets, Kits, and Outfits (SKO) SC.

7.2.1 Special Tools Include: These are all tools that are acquired or fabricated to support the production, or RECAP programs.

7.2.2 Fabricated tools that are made from stocked items of bulk material, such as metal bars, sheets, rods, rope, lengths of chain, hasps, fasteners, and so forth. Fabricated tools are drawing number controlled and documented in Repair Parts and Special Tools Lists (RPSTLs), the Provisioning Parts List (PPL), and instructions for fabrication are located in Technical Manuals (TMs). Fabricated tools are used on a single end item.

7.2.3 Tools that are supplied for military applications only (e.g., a cannon tube artillery bore brush) or tools having great military use but having little commercial application.

7.2.4 Tools designed to perform a specific task for use on a specific end item or on a specific component of an end item.

7.3 TMDE: New TMDE items (those not part of the authorized CL's in the U.S. Army SC) may require special source and calibration documentation in order to update/provide data for possible inclusion to the TMDE register (DA PAM 700-21-1). The Contractor shall provide all required calibration and repair procedures for all new TMDE.

8.0 ELECTRONIC DIAGNOSTICS TESTABILITY ANALYSIS (CDRL A021):

8.1 The Contractor shall perform and deliver a testability analysis of the MMPV Type II diagnostics capability, to include number and types of diagnostic tests available for all MMPV Type II components, assemblies, systems and subsystems.

8.2 The analysis shall identify all diagnostic fault codes for each component, assemblies, systems and subsystems and place them on a tabular format spread sheet. The codes shall be called out with the component, assemblies, systems and subsystems they support. The columns of the spread sheet shall consist of component, fault code/description, tests being performed, test equipment and parameters.

C.8.3 The testability report shall include a description of on-board electronic diagnostic systems that may be interrogated for the purpose of maintenance and troubleshooting via an on-board diagnostic display screen.

8.4 The testability report shall identify all the commercially available diagnostic software for all electronically controlled systems, subsystems, components and assemblies.

8.5 The Contractor shall maximize the use of embedded Built-in-Test (BIT)/ Built-in Test Equipment (BITE) diagnostic capabilities, and fully document and support embedded system software.

8.6 All data buses and diagnostic connectors for each electronic control module shall be identified in detail.

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8.7 The analysis shall be documented in an Electronic Diagnostics Testability Analysis Report

9.0 PROVISIONING

9.1 Provisioning Program

9.1.1 The Contractor shall develop all provisioning data in accordance with GEIA-STD-0007, Logistics Product Data, guidelines of MIL-HDBK-502A, and Logistics Management Information (LMI) data worksheets found in Attachment A03 (Provisioning). The Contractor shall provision all items required for the complete MMPV Type II and its corresponding TMs and NMWRS (see C.11) within the same PCCN/PCC (see C.9.1.4). The Contractor shall provision the entire truck from top-down to include all parts that will support all RPSTLs identified within this scope.

9.1.2 Provisioning Plan (CDRL A022):

The Contractors provisioning plan shall encompass all aspects of section C.9. The Contractor shall develop a provisioning strategy that aligns with the requirements found within AR 700-18. The provisioning plan shall also include a planned schedule of assemblies and components that the Contractor will present during each identified provisioning conference on the IMS. The Governments goal of provisioning is to ensure that the end item is at least 90% Full Mission Capable (FMC). The provisioning strategy shall assess availability of commercial components, alignment with requirements for mainly US-based sources of supply, and availability of parts during both peace and wartime. The intent of a quality provisioning strategy is to carefully assess the coding selections made, computation of failure ratios, and provide the US Army with a supportable and sustainable system that does not exponentially grow the logistics footprint of the unit receiving the equipment. The Contractor shall also identify and screen all existing NSNs and part numbers in the Government-provided Provisioning Parts list (PPL) to ensure they are properly identified and captured within the LSA-036 report. The Contractor shall identify any alternate sources of supply while conducting their screening research. The Government will then screen these NSNs and P/Ns through DLIS/DLA to ensure that the proper Item Name Codes are accurate in identifying these items according to U.S. Army policy. The Essentiality Codes, Source Maintenance and Recoverability (SMR) Codes, and PMCS shall be verified and cross-checked by the Contractor to ensure that the repair components are properly coded at the correct repair echelon and that they match up with the MAC.

The provisioning strategy shall also carefully consider the maintenance concept plan, and analysis to ensure that the provisioning documentation provided align with both the Armys and the approved MA (see C.6.4) maintenance philosophy.

9.1.3 Provisioning data shall be used for identifying, selecting, provisioning coding, determining initial requirements, and cataloging of items to be procured or supported throughout the equipments life. All items identified during the provisioning process shall be screened sufficiently to enhance competitive acquisition of support items.

9.1.4 Provisioning requires four key elements: the Provisioning Parts List (PPL), the Engineering Data for Provisioning (EDFP), and the Pre-procurements Screening (PPS), and certification of green/clean parts. The Contractor is responsible to provide data required, as defined in this PWS for each element. The Government shall use the guidance contained in GEIA-0007 and AMC PAM 700-25 for acceptance of provisioning data delivered under the provisions of this PWS.

9.1.5 The Contractor shall use Provisioning Contract Control Number (PCCN): CMMPV2 and Provisioning Control Code (PCC) TIT. The Contractor shall format the PPL with the MMPV Type II as the Model Record (AAAA) and a B-indenture AAL XC place-holder for the AAL items (see C.6.10), with all AAL items identified as C-indenture (down parts are required only for AAL items that have corresponding TMs created (see C.11). The Contractor shall ensure that the appropriate TM-Codes are listed on the PPL; LMP allows multiple TM-codes/Figure/Item Number entries on different lines. Example: Engine will have 3 J cards one corresponding to the 23P, one corresponding to the Engine NMWR with RPSTL; and one corresponding to the End Item NMWR but only 1 PLISN shall exist for the engine.

9.1.6 The Contractor shall ensure that items identified as requiring a Long Life Reusable Container (LLRC, see C.10.11) shall be provisioned accordingly. The Contractor shall ensure that it has the appropriate drawings and source data to support accurate and timely provisioning to align with the presentation of the assembly during provisioning conferences.

9.1.7 The Contractor shall fully comply with the Under Secretary of Defenses requirement to minimize the use of Hexavalent chromium in the parts used to sustain the US military. The Contractor shall ensure that all items provisioned comply, to the maximum extent possible with DFARS Case 2009-D004, which allows the provisioning of the system to be considered green/clean. The Contractor shall not provision any hardware having asbestos, radioactive materials, Hexavalent chromium (electroplating and coatings), cadmium (electroplating), or other highly toxic or carcinogenic materials (as defined in 29 CFR 1910.1200). The Contractor shall not provision any Class I or Class II Ozone Depleting Substances.

9.2 Provisioning Parts List (PPL) (CDRL A023)

9.2.1 The Contractor shall develop a complete PPL submittal, also referred to as a LSA-036 report (see C.5.7). It is not the intent of the Government to prescribe the Automatic Data Process (ADP) software that the Contractor uses for provisioning efforts; however, using cost-effective ADP systems is encouraged.

9.2.2 LMP has various methods by which the Contractor can deliver provisioning data and the Government will discuss these methods at the

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start of work meeting. All submissions of the LMI/PPL data must be compatible with the Governments standard logistics systems and in compliance with AMC PAM 700-25. The data shall be capable of being loaded into LMP without any modification to the data. The Government will load each PPL submission into LMP, and any submission containing more than a 5% error rate will be rejected. LMP has seven cycles (edits) (1) Load, (2) FLIS Screening, (3) All Records Valid, (4) Material Check, (5) Material Create, (6) BOM Check, and (7) BOM Create. The Contractor shall provide support throughout all cycles to correct errors or provide information as identified in the Governments load report.

9.2.3 Due to the size of the end item, data may be provided by the Contractor in multiple deliveries. This is considered phased provisioning, per AR 700-18, and provisioning submittals shall be structured around complete assemblies that have minimal risk of changing due to test events. The Contractor shall ensure that only those items that are repair parts, special tools, Basic Issue Items (BII), bulk items, Component of End Item (COEI), unique Additional Authorized Items List (AAL), Expendable Durable Items (EDIL), or part of the end item's top-down generation breakdown will be provided to the Government. Only items that have successfully passed testing and are in the final locked configuration of the end item, or have a Government approved ECP may be presented in the LSA-036. The Government will reject all others.

9.2.4 The Provisioning Parts List (PPL) shall be used to determine the range and quantity of support items required for maintenance and repair of the End Item. This includes all repairable Commercial off the Shelf (COTS) items, unless excluded by the Government. The PPL shall contain all tools, test equipment, repair kits and repair parts sets required to maintain the End Item, component or assembly equipment, unless excluded by the provisioning requirements. The PPL shall be formatted in accordance with Attachment A03 (Provisioning).

9.2.5 Input media requirements for provisioning data:

9.2.5.1 American Standard Code for Information Interchange (ASCII)

9.2.5.2 No Header Data

9.2.5.3 80 columns in width

9.2.5.4 Carriage return code for line end

9.2.6 The Contractor shall include Line Replaceable unit (LRU) coding in the LSA-036. LRUs are items that can be replaced in the operational environment (field or combat conditions). LRUs may be either repairable or non-repairable items (example: fuse, printed circuit board (PCB), engine). In general, the next higher assembly (NHA) is the EI itself. The LRU code is a one position, alpha code and shall be assigned to all support items in the Provisioning Master Record (PMR) as follows:

9.2.6.1 Essential support items that are removed and replaced on the End Item (EI) at field level to restores the end item to operational condition shall be assigned the code Y.

9.2.6.2 Components that are removed and replaced on an End Item LRU (see C.10.13.6.1) at operator level, which restores the end item to operational condition, shall be assigned the code Y.

9.2.6.3 All other support items shall be assigned the code N.

9.2.6.4 The Contractor shall ensure that all information provided within the LSA-036 aligns with the maintenance analysis, LORA, MAC, and procedures presented in the suite of technical manuals.

9.2.7 The Contractor shall ensure that the BISS-CAT/ALW-ITM-CD; BISS-SUP; BIIL-QTY/AIC-QTY codes are indicated appropriately on the LSA-036. The Contractor shall indicate in the Remarks section on the LSA-036 the following statement, as applicable: This item is AAL to the MMPV Type II it does not come with the end item it must be separately ordered. Item XXX in Operator TM AAL Table.

9.3 Engineering Data for Provisioning (EDFP) (CDRL A024)

9.3.1 The Contractor shall submit Engineering Data for Provisioning (EDFP) for all items that are provisioned. The Contractor shall submit updated EDFP for all OEM developed and supported items, including items that have NSNs. Drawings submitted shall not be red-lined. A separate drawing is required for each part number. EDFP is technical data used to describe parts/equipment. EDFP consists of data such as specifications, standards, drawings, descriptions, necessary assembly and general arrangement drawings, schematic drawings, schematic diagrams, and diagrams containing wiring and cabling. These are necessary to indicate the physical characteristics, location and/or function of the item. The EDFP shall be formatted and delivered as referenced below. The EDFP shall provide item identification/descriptions necessary to support the Provisioning Parts List (PPL).

9.3.2 The documentation provided by the Contractor shall be sufficiently comprehensive to allow the customer to identify, classify, and fully describe the item within the NATO codification system reference MIL-DTL-13000C for guidance on drawings. The Contractor shall provide documentation in the following order of precedence:

1. Product drawings
2. Developmental Drawings
3. Conceptual Drawings in the form of Catalogue pages (pages must meet data requirements)

9.3.3 The EDFP provided by the Contractor shall illustrate where the Unique Identification (UID) marking is located on the items identified as requiring UID.

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9.3.4 Sequencing of Engineering Data for Provisioning (EDFP) will be by Part List Item Sequence Number (PLISN) and Part Number (P/N). The Contractor shall make available drawings at each provisioning conference for Government review.

9.3.5 Each drawing shall be annotated with the following:

9.3.5.1 Provisioning Contract Control Number (PCCN)

9.3.5.2 Parts List Item Sequence Number (PLISN)

9.3.5.3 Provisioning Control Code (PCC)

9.3.5.4 Commercial and Government Entity (CAGE) Code

9.3.5.5 Part Number (P/N)

9.3.6 Nomenclature: Common hardware shall include a description to include sizes, grade, surface finish, coatings, hardness, thread type, and industry specifications, etc. This data is essential in ensuring that common hardware is not substituted or exchanged due to lack of definitive information.

9.3.7 Price: The cost for the Government to purchase the Unit of Issue provisioned

9.3.8 Unique modifications by the end item manufacturer

9.3.9 Identification of parts proprietarily manufactured specifically for the end item manufacturer

9.3.10 The Contractor shall provide screened part numbers for all parts on EDFP to include the original equipment manufacturer (OEM), additional vendor part numbers, and additional available sources of supply. The Contractor shall make all efforts to ensure that parts have a US-based source of supply identified.

9.3.11 After the Government approves each drawing as being suitable for National Stock Number (NSN) assignment; the drawings shall be submitted on a Compact Disk-Read Only Memory (CD-ROM) in Adobe Acrobat .PDF file. A separate file is required for each drawing. The CD-ROM shall include a cross reference list that identifies the part number, drawing number, PLISN, and file name for each drawing. The naming convention for each drawing file shall be: PCCN-PLISN Part Number EDFP Version# - Program Name - Date. The drawing package shall be in PLISN sequence. This will reduce the amount of space required to store the Technical Data Package and reduce the number of copies to a single electronic copy.

NOTE: All new or revised drawings and associated lists or parts and assemblies shall be prepared and submitted in PDF. Any drawing resubmissions shall use the same naming convention with an update to the Version Number.

9.3.12 EDFP shall be marked in such a manner as to identify the proper restrictive legend, per DFARS 252.227-7013 (f). The Contractor shall be responsible for submitting to the Government a timely assertion of restrictions listing, per DFARS 252.227-7017, 252.227-7013(e) or 252.227-7014 (e).

9.3.13 In order to ensure clarity on the conformance to minimization of Hexavalent chromium (see C.9.1.7.), the Contractor shall annotate on every EDFP submitted the following statement:

Asbestos, radioactive materials, Hexavalent chromium (electroplating and coatings), cadmium (electroplating), or other highly toxic or carcinogenic materials (as defined in 29 CFR 1910.1200) shall not be used in the manufacture or assembly of this component. Class I and Class II Ozone Depleting Substances shall not be used.

9.4 Pre-Procurement Screening (PPS) (CDRL A025)

9.4.1 The Contractor shall conduct Pre-Procurement Screening (PPS) for all items to be provisioned using the Federal Logistic Information System (FLIS) for standardization prior to submittal of a LSA-036. Provisioning screening shall be done using FLIS, WEBFLIS FEDLOG, or by batch submittal of part numbers to DLIS no more than 30 days before the provisioning conference where the data is to be presented. Provisioning and Other Pre-Procurement Screening Data is used to identify existing NSNs for an item, validate most current NSNs, and aid in maximum use of known assets.

9.4.2. The screening shall ensure that the characteristics data of parts (i.e. common hardware) matches the required characteristics data as directed by production. (Specifically, if the requirement for a screw is brass coating, the screening shall ensure that the selected common hardware NSN specifies brass coating). The screening results should ensure that the NSN is valid and procurable by the Government (example: Acquisition Advice Code, RNVC/RNCC). The Contractor shall present screening pages that were printed within 30 days of the provisioning conference start (see C.5.7) where the screening page is presented.

9.4.3 The Contractor shall ensure that any items that have a PPS/existing NSN proposed, that the Source of Supply listed on the NSN certifies that the items is considered green/clean, as required by C.9.1.7.

9.4.4 To the maximum extent possible, the Contractor shall identify Military Specifications (MS), International Standards Office (ISO), Deutsches Institute fur Normung (DIN), American National Standard Institute (ANS/ANSI) specifications for hardware. The Contractor shall include at least two sources of supply for hardware items.

9.4.5 The Contractor shall use the PPS results to select valid P/Ns, NSNs, and current unit of measure/issue prices for provisioning purposes. PPS results must be made available for review by the Government.

9.4.6 For additional information on requesting software and passwords refer to the Provisioning Screening User Guide. For additional information on WEBFLIS, go to <http://www.dlis.dla.mil/webflis>. There are two versions of WEBFLIS: Public Query and Restricted/Sign-On,

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which requires a valid user-id/password to access the system. User-ids may be obtained by filling out a registration form; the Contractor can request sponsorship from the COR.

9.4.7 The Contractor shall use the NATO Master Catalogue of References for Logistics (NMCRL) for screening of NATO items.

9.4.8 The Contractor shall submit the PPS results on a Compact Disk-Read Only Memory (CD-ROM) in Adobe Acrobat .PDF file. A separate file is required for each screening result. The CD-ROM shall include a cross reference list that identifies the part number, drawing number, PLISN, and file name for each drawing. The naming convention for each screening file shall be: Program Name: PCCN-PLISN Part Number PPS Version #. The drawing package should be in PLISN sequence. This will reduce the amount of space required to store the Technical Data Package and reduce the number of copies to a single electronic copy.

9.4.9 The Government reserves the right to cancel the provisioning conference if the data provided is determined to not meet the requirements. General guidance comments will be provided. The Contractor will have seven (7) days to fix all errors and resubmit the corrected information. At that time, the conference will be rescheduled at no additional cost to the Government, or added to the next scheduled conference.

9.5 Foreign Sources of Supply Notice (CDRL A026): The Contractor shall document any items that do not have a U.S.-based source of supply and attach written confirmation from the foreign company that they will sell parts to the U.S. Government to the EDFP. The Contractor shall identify any items that are found to have a NATO NSN and attached written confirmation from the foreign company that they will sell parts to the U.S. Government to the PPS. This notice must also include the foreign company's Government sales representative name and contact information.

9.6 Clean/Green Hardware Certification (CDRL A027):

For both PPS and EDFP, the Contractor shall attach a letter from the manufacturer or Source of Supply certifying compliance to the requirements found within C.9.1.7.

9.7 Clean/Green Hardware Exception (CDRL A028):

If the Contractor identifies an item that does contain any of the above listed items (see C.7.6), the Contractor shall submit a request for an exception to the requirement for green/clean parts.

9.8 NSN Split Proposal (CDRL A029):

The Contractor shall ensure that any items that have a PPS/existing NSN proposed, that the Source of Supply listed on the NSN certifies that the item is considered green/clean, as required by C.15.1.7. If the Contractor identifies an existing NSN and cannot confirm all sources of supply listed on the PPS are green, then the Contractor shall annotate this within the green/clean parts NSN split proposal report, as shown in Attachment A04 (NSN Split). Any items identified on this report shall be called out specifically by the Contractor during the provisioning conferences.

10.0 PACKAGING, HANDLING, STORAGE AND TRANSPORTATION PACKAGING, HANDLING, STORAGE, AND TRANSPORTATION (PHS&T)

10.1 Theory of Packaging for the MMPV Type II Program: The Government intends to have a complete PHS&T portfolio developed for the MMPV Type II program. This includes the development of packaging LMI data, Special Packaging Instructions (SPI), Equipment Preservation Data Sheets (EPDS), and Long Life Reusable Containers (LLRC). Due to the time frames involved with this effort, the Government has identified what components require LLRCs to be fully developed, fit-up, tested, and test assets delivered to the Government. The Government has performed a Container Design Retrieval System (CDRS) search, using specifications found in MIL-STD-2073 and has found no viable container candidates for modification under this contract effort. As such, the Contractor shall fully develop LLRCs for the Engine, Transmission, and Transfer-Case (T-Case) found within the final configuration of the MMPV Type II platform in accordance with C.10.11 below.

10.2 Packaging Data Development: The Contractor shall develop and provide packaging data for all items identified during the provisioning process with a Source, Maintenance & Recoverability (SMR) code beginning with P. Packaging data development priority shall be given to repairable items, NMWR/DMWR candidate items, Line Replaceable Units, and any item classified as a Special Group Item. Packaging shall be developed in accordance with MIL-STD-2073-1D and each P-coded item shall be classified as a selective group item or special group item. Contractor shall provide facilities, equipment, materials, and provisioned items for packaging development. The Contractor shall complete verification and provide support data with each data submittal. Validation support data shall include item drawings and copies of any applicable Material Safety Data Sheets for Hazardous Material items. Items with assigned Contractor and Government Entity (CAGE) Codes of: 1T416, 21450, 80204, 96906, 10060, 24617, 80205, 99237, 80244, 81343, 81346, 81348, 81349, 81352, 88044, 05047 are excluded from packaging data development.

10.3 Item Classification: Each provisioned P-coded item shall be classified as a Selective group item or a Special group item IAW MIL-STD-2073-1D and paragraphs C.10.5 and C.10.5

10.4 Selective Group: Items classified as Selective group items shall not have a unit pack weight exceeding 40 pounds and shall not

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have a dimension greater than 40 inches. In addition, the unit pack length and girth combined will not exceed 84 inches. A Selective group item must not require disassembly for packaging. Reconfiguration for packaging of Selective group items is limited to folding or coiling. Items will not be classified as Selective if they are repairable, recoverable, contain hazardous material, or if assigned a shelf life. Packaging data output for Selective group items is in the form of LMI Coded Data Products (see C.10.4).

10.5 Special group: Items classified as Special group items often require sketches, figures, or narrative instructions to describe packaging requirements. Items excluded from the Selective group will be classified as Special group items. This includes kits, sets and items of separate parts, items requiring disassembly, repairable items, items requiring special handling or condemnation procedures, items classified as hazardous material or hazardous goods in transport, items assigned a shelf life, electrostatic discharge sensitive items, fragile, sensitive, and critical items. Packaging data output for Special group items consists of Special Packaging Instructions (see C.10.7) and LMI Coded Data Products (see C.10.6).

10.6 Logistic Management Information (LMI) Coded Data Products Packaging (CDRL A030): The Contractor shall develop and deliver LMI packaging data for each P-coded Selective and Special group item and provide for the entry of information to the Governments data repository. At the Contractors request, the Government may provide a MS ACCESS application that provides data formatting and edit features for coding of packaging LMI data products. The Contractor shall develop, maintain and update packaging data IAW MIL-STD-2073-1D and CDRL A030 including Attachment A05 (Packaging Data Products), and Attachment A06 (Incoming Transaction Format).

10.7 Special Packaging Instructions (SPI) (CDRL A031): The Contractor shall deliver and develop a SPI for each item classified as a Special group item. Figures and narrative data shall be developed to describe the form, fit, and function of packaging in sufficient detail for production. SPI format shall be in accordance with MIL-STD-2073-1D.

10.8 Validation Testing of Packaging: The Contractor shall conduct validation testing for each item classified as a Special group item. Validation testing of Special group items shall be in accordance with ASTM D 4169 (Standard Practice for Performance Testing of Shipping Containers and Systems) Distribution Cycle 18, Assurance Level I, with Acceptance Criterion 3 (product is damage free and packaging is intact). Validation testing shall be limited to Test Schedule A and Test Schedule F. Replicate testing and climatic conditioning are not required. Each SPI submitted shall have a packaging test report including photographs. Photographs shall show the product before and after testing and that the product is undamaged. Packaging test reports shall be submitted concurrently with SPI submittal, and packaging LMI data products for the Special group items. The Contractor shall provide a Validation Test Report (CDRL A032).

10.9 Equipment Preservation Data Sheets (EPDS) (CDRL A033):

10.9.1 EPDS Requirements: Contractor shall develop and deliver EPDS for each vehicle variant. 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 BII and COEI shall be developed by the Contractor. BII shall be packed separate from COEI. HAZMAT (if applicable) will be packaged and shipped separately in accordance with CFR Title 49. Contractor shall ensure the stowage locations shall deter pilferage and shall not interfere with lifting, tie down or other transportation handling. The Contractor shall revise the EPDS to reflect design changes that affect the system's shipment configuration, weight, or transportability. The Contractor shall also provide revisions to the EPDS for each provisioning change affecting packaging of BII or COEI. Format of EPDS shall be in accordance with MIL-STD-3003.

10.10 Validation of EPDS: 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 and materials involved. The Contractor shall notify the Government sixty (60) days prior to conduct of Contractors validation. The Government must witness the Contractors validation. The Contractor shall provide a validation report (CDRL A034).

10.11 Long Life Reusable Containers (LLRC):

10.11.1 Requirement: The Government expects the Contractor to fully develop LLRCs as indicated in the Theory of Packaging (see C.10.1). The Contractor shall develop LLRCs in accordance with SAE ARP 1967A, with the revisions and exceptions listed in Attachment A07 (Revisions and Exceptions).

10.11.2 LLRC Development:

10.11.2.1 The containers shall only be fabricated from steel, aluminum or composite material and must be Chemical Agent Resistant Coatings (CARC) finished as defined in SAE ARP 1967A. The use of wood in the design and fabrication of these reusable containers is forbidden except for the container skids.

10.11.2.2 The containers shall incorporate energy absorbing systems, dehumidification systems, and other special features to ensure protection of the item. The containers shall be capable of being repaired and retrofitted to prolong container service life or modified to adapt the reusable container for shipment of the items other than for which it was originally intended. Attachment A08 (TB 9-289, Technical Bulletin for the Reconditioning of Type I and Type II Reusable Metal Containers), shall be used as a guide.

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10.11.2.3 The container size shall be of the minimum, consistent with the size, weight, and the performance requirements of SAE ARP 1967A with the exceptions listed in Attachment A07 (Revisions and Exceptions). During the life of the container, it will experience multi-modal transportation (truck, rail, air, and ocean) so size considerations shall include all modes of transportation.

10.11.2.4 Concept Drawing: The Government will furnish six 19207 drawing numbers for container concept drawings at the Start of Work meeting. The Contractor will use two of the furnished 19207 part numbers for creating the concept drawing for each component. One 19207 part number will be assigned to each concept drawing. Each concept drawing will include a Bill of Materiel that will identify the part number of the component being containerized and the 19207 part number assigned to the container. The Contractor shall submit a concept drawing for review and acceptance for each component: Engine (CDRL A035), Transmission (CDRL A036), and T-Case (CDRL A037).

10.11.2.5 Test Container and Test Plan: The Contractor shall construct a test container and shall submit for approval a test plan for each component: Engine (CDRL A038), Transmission (CDRL A039), and T-Case (CDRL A040). The Contractor shall conduct testing in accordance with SAE ADP 1967A and Attachment A07 (Revisions and Exceptions).

10.11.2.6 LLRC Fit-Up: Containers developed for this effort must be fitted to the component with documentation provided to the US Government in a Container Fit-Up Validation Report for each component: Engine (CDRL A041), Transmission (CDRL A042), and T-Case (CDRL A043). The Government expects that the container designer will be a full participant in fit-up of the containers.

10.11.2.7 LLRC Testing: The Contractor shall notify the Government sixty (60) days prior to conduct of LLRC testing for each component. The Contractor shall conduct LLRC testing in accordance with the approved test plan. The Contractor shall ensure that the container designer will be a full participant in testing of the containers. The Government must witness LLRC tests for each container; the Contractor shall deliver a complete test report covering the component tested: Engine (CDRL A044), Transmission (CDRL A045), and T-Case (CDRL A046).

10.11.2.8 LLRC TDPs: Upon receiving Government approval of a reusable container design test report, the Contractor shall develop and deliver a complete Level III Technical Data Package (TDP) for the reusable shipping and storage container tested: Engine (CDRL A047), Transmission (CDRL A048), and T-Case (CDRL A049). The TDP shall include engineering drawings and associated lists in sufficient detail to provide for a competitive procurement. The Government will supply part numbers and drawing numbers for the new parts and drawings. Engineering drawings shall comply with ASME-Y14.100 2000 and ASME-Y14.5M 1984. Configuration management data shall comply with MIL-HDBK-61. Electronic drawing file format shall be PRT, IGES, or PDF.

11.0 PUBLICATIONS**11.1 Technical Manual (TM)Development**

11.1.1 The Contractor shall utilize the analysis developed under this PWS to determine the operational, maintenance, and support functions of the system. The Contractor shall ensure that all logistics documents created under this effort cross-walk to each other and that there is consistency between all products. The Contractor shall use the MAC (see C.6.6) as the baseline for creation of the Technical Manuals.

11.1.2 The Contractor shall create volumes that range from 1,000 to 1,200 pages. The page count can be negotiated for volume breaks between the Government and the Contractor to ensure good flow of the manual, if required. An example of the TM Volume Designation would be TM\~9_2355_XXX_10_1. The RCV Style Guide provides instructions on how to divide the troubleshooting chapter if it should happen to fall between volumes.

11.1.3 The Contractor shall prepare Electronic Technical Manual (ETM) and electronic files in accordance with Attachment A09 (General Publications).

11.1.4 In accordance with MIL-STD-40051-2B, the TM Suite shall contain:

11.1.4.1 A Warning Summary

11.1.4.2 An Alphabetical Index

11.1.4.3 GPO Style Guide-Approved Abbreviations

11.1.4.4 An Option 2 RPSTL Kit Section

11.1.5 The TM Suite shall not contain:

11.1.5.1 Bulleted Paragraphs in Warnings, Cautions, or Notes

11.1.5.2 Warning Icons

11.1.5.3 Abbreviated Warnings

11.1.6 The Contractor shall submit a written request to the COR to include any MIL-STD_40051_2B optional content not identified in C.11 or Attachment A10 (TM Matrix) where the necessity for such optional content may arise during the development of these TMs.

11.1.7 The Technical Manuals (TMs) shall be developed in accordance with MIL-STD-40051-2B, guidance found in MIL-HDBK-1222E, the Route Clearance Style Guide, Attachment A12 (Style Sheets), and Attachment A09 (General Publications instructions).

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11.1.8 The Contractor shall develop Lubrication Orders (LOs). The LOs shall be developed in accordance with MIL-STD-40051-2B.

11.1.9 The Contractor shall include Long Life Reusable Container (LLRC) (see C.10) information within the field maintenance procedures. Items that are identified to have an LLRC shall address the container and procedures needed. The field maintenance manual shall be considered incomplete if this information is missing.

11.1.10 The Contractor shall incorporate the Interrogation Arm (IA) A-Kit items into the technical documents. The Contractor shall coordinate with the Government and the IA Contractor to identify the IA A-Kit and provide feedback to the Government regarding design interface between the IA and the MMPV Type II. This will require the Contractor and the IA Contractor to coordinate information under the Governments guidance and oversight to ensure all aspects of the IA A-Kit are included in the provisioning, TMs, and logistics documents.

11.1.11 The Contractor shall develop all work packages found within the Technical Manuals and NMWR with an attempt to utilize tools and equipment contained in the authorized tool sets/kits, minimizing use of special tools to support the end item. Contractor shall notify the Government when any tools or equipment beyond the authorized tool sets/kits are required. The Contractor shall use to the maximum extent possible tools already available within the standard supply system when a tool is not found in the authorized tool sets/kits. The Contractor shall utilize commercial standards for certification of accuracy on Test, Measurement, and Diagnostic Equipment (TMDE) (see C.7) to ensure proper TMDE is called out within the TM/NMWR (example: torque wrenches). Diagnostic Equipment Fault Codes/Readings must show a direct correlation between the fault codes/readings and the symptom based TM troubleshooting procedures.

11.1.12 Copyright Release (CDRL A050)

The Contractor shall certify in writing in the event no copyrighted information is used in a deliverable under this contract. If there is copyrighted information, AMSTA-LCC-MAI will review the copyright release or license before the copyright material is released for publication. Final TM submissions will not be accepted and will be considered incomplete without the appropriate copyright release (license) per DFARS 252.227-7013(d). The Government may distribute, copy, publish, and use the TMs, ETMs, and electronic data files delivered under this contract as the Government deems necessary. When the Contractor uses commercial data which cover a subcontractor's component(s) or portion thereof, and the subcontractor's data contain copyrighted material, the Contractor shall be responsible for obtaining the appropriate copyright release (license) from their subcontractor and furnishing such release to the Government. The copyright release shall be written for the Governments benefit and shall allow duplications, release, or website publication. The Government, at its discretion, will post the final DA_authenticated TMs on the Internet for the Soldiers access. TMs shall not contain any copyright notices that are not in accordance with MIL-STD-40051-2B.

11.2 Source Material

The Contractor shall package and deliver all source material, defined as operating plans, standard procedures, computer software and computer software documentation and residual material, source codes, computer disks, computer tapes, and all other media containing digital files developed to fulfill the requirements of this contract to accompany each technical manual FRC. All documentation (artwork, sketches, photographs, line art, modeling, and schematics) delivered for this effort is owned by the Government, with the respective data rights, and shall be delivered concurrently with FRC submission. Pursuant to statute, the Government has unlimited rights to any data/products under this effort whose development is funded entirely by the Government.

11.3 Manuals required - The Contractor shall develop the following manuals:

- TM 9-2355-435-10, Operator Manual, CDRL A051
- TM 9-2355-435-10-HR, Hand Receipt, CDRL A052
- TM 9-2355-435-23, Field Maintenance Manual, CDRL A053
- TM 902355-435-23P, Field Maintenance RPSTL, CDRL A054
- LO 9-2355-435-13, Lubrication Instruction, CDRL A055
- TM X-XXXX-XXX-13&P, Cold Weather Kit, CDRL A056
- TM X-XXXX-XXX-13&P, Armor Solution, CDRL A057
- TM X-XXX-XXX-13&P, Robot Deployment System (RDS), CDRL A058
- TB 9-2355-435-13, Warranty TB, CDRL A059
- NMWR X-XXX-XXX, MMPV Type II NMWR with RPSTL
- NMWR X-XXX-XXX, MMPV Type II Component NMWRS with RPSTL (TBD)

11.3.1 The Contractor is responsible for incorporating National Stock Numbers (NSN) and NSN Cross-Reference Lists into the RPSTL. NSNs are not required for the first PTM submittal for RPSTLs.

11.3.2 The Contractor shall ensure that the configurations are referenced in the manual by a serial number break-out. Tasks that vary between the Configurations shall have the serial numbers referenced for tasks unique to each configuration.

12 NATIONAL MAINTENANCE WORK REQUIREMENT (NMWR)

12.1 The Contractor shall develop a NMWR Candidate List/Data Summary (CDRL A060):

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The NMWR candidate list should consist of repairable assemblies (e.g. Engine, Transmission, Transfer, Axle). The Contractor shall develop a NMWR candidate list based on the MA (see C.6.4), the Supportability Analysis (see C.6.3), and the LORA (see C.6.5). Specific requirements for the candidate list are identified within Attachment A13 (NMWR Candidate).

12.2 The Government will use the data summary to compare the cost to buy new versus the cost to rebuild, establish inventory levels, and determine how often this item will need to be repaired. The Government will review this data and finalize the NMWR candidate listing to identify which items are to have NMWRs developed.

12.3 NMWR Development

12.3.1 NMWRs shall be developed in accordance with MIL-STD-40051-2B and guidance found in MIL-HDBK-1222E.

12.3.2 NMWRs shall include preservation, packaging, and marking requirement. The packaging requirements for all components and end item shall be in alignment with Equipment Preservation Data Sheets (see EPDS, C.10.9), LLRCs (see C.10.11), Special Packaging Instructions (SPI, see C.10.7), or coded packaging data (see C.10.6) developed under this effort.

12.3.3 Packaging, marking for shipment and storage, heat treatment, and working of wood packaging materials shall be included in each NMWR work package as necessary. Reference shall be made to the preparation for storage and shipment procedures, including packaging and administrative storage in the applicable instruction work package.

12.3.4 NMWR Mandatory Replacement Parts (MRP) and Special Tools: The Contractor shall purchase and ensure that required Mandatory Replacement Parts (MRP) and Special Tools are procured and on hand at the required verification site 30 days prior to the start of verification.

12.3.5 Component NMWR (CDRL A061)

The Contractor shall provide inspection procedures, overhaul inspection procedures, mandatory replacement parts list, final testing requirements, and any refurbishing instructions for all items on the Government provided approved NMWR list. Each identified component will receive its own CDRL.

12.3.6 End Item NMWR (CDRL A062)

The Contractor shall develop procedures for the overhaul, rebuild, and repair of the end item. The Contractor shall provide inspection procedures, overhaul inspection procedures, mandatory replacement parts list, final testing requirements, and any refurbishing instruction for the end item. The end item NMWR shall reference component NMWRs developed under this effort. The end item NMWR shall include repair instructions on any components that can be repaired instead of replaced during the rebuild of the end item. Contractor shall identify all Special Tools and facility requirements that are necessary to complete the overhaul.

13.0 CONTRACTOR VALIDATION

13.1 The Contractor shall conduct a validation of the TMs delivered under this effort, per DA PAM 25-40. This validation shall be conducted to ensure accuracy, completeness, and compatibility to the rest of the documentation developed under this effort. The Contractor shall perform a 100% Validation, with 100% PMCS and troubleshooting performed hands-on. The rest of the material developed shall be a combination of hands-on live testing and desk-top review to ensure that the PTMs are fully operational. The Government will evaluate the operation, navigation and structure of PTMs submitted under this effort. The Contractor shall perform a 100% review of both the TM and ETM to ensure that it meets contract requirements. The Contractors shall ensure that all TMs and NMWRs are properly validated.

13.2 To ensure the quality of the information provided (see C.3.4.6), the Contractor shall not have the author of the instructions/work package be the same person who performs the validation procedure (see C.3.4.7).

13.3 The Contractor shall deliver a Validation Plan (CDRL A063). The Government has the right to review validation records and assess the Contractors validation processes. The Government reserves the right to witness the entire performance of the Contractors Validation. Once the Validation Plan has been submitted the Contractor shall not adjust its schedule without at least 60 days prior notice to the Government. If the Contractor moves events/procedures within its validation schedule without proper notification, the Contractor shall re-perform Validation activities at the Governments discretion at no additional cost.

13.4 In order for the Contractor to move beyond the validation phase of this effort, the following exit criteria shall be met. The Government will provide notice to submit the PTM for LD after assessment of the below criteria:

13.4.1 Government attendance during 60% of the validation performance, if not more

13.4.2 A complete validation report (CDRL A064) provided to the Government.

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13.4.3 Copies of critical task (see C.16.2.1) validated WP mark-ups and tracking sheet; as well as any additional copies of validated WPs identified by the Government

13.4.4 A certificate of validation (CDRL A065)

13.4.5 Government approved quality assurance plan and process map (see C.4.6)

14 LOGISTICS DEMONSTRATION (LD)

14.1 In accordance with Army Regulation 700-127, Chapter 5, and paragraph 5-16, the Government is required to conduct a LD to demonstrate the supportability of the end item. Before entering into LD, the Contractor shall have successfully exited Validation (see C.13), confirmed that the hardware being used is in the latest approved Final Configuration, and that all special tools have been purchased and are available to support the event. The Contractor shall provide support for all scheduled LDs in accordance with the Government issued Log Demo Plan.

14.2 Logistics Demonstration (LD) Schedule: The LD for the Operators manuals will be conducted prior to Operational Test (OT). The LD for the Maintenance and Parts manual will be conducted immediately following Operator LD, which may run concurrent to OT. LD and OT will be conducted prior to verification. The SSP shall be configured to meet the current configuration and be delivered to the Government test sites 30 days prior to the start of LD. The Government will provide the Contractor with an approved LD plan no later than 30 days prior the LD that outlines the event scheduled.

14.3 Government LD Plan (LDP): The scheduled start of the LD is dependent on the acceptance of the Contractors validation quality and Contractor Preliminary Technical Manual (PTM) submittal. The Government LD and Government Verification are separate events. At the LD, the Government will utilize the Technical Manuals delivered in accordance with C.11. The Contractor is required to support the Governments Log Demo by performing the tasks defined within the LDP. The Government will provide the Contractor with Ca LDP including schedule, start date, and time of Log Demo 30 days prior to start of the LD. The LDP will outline the tests, fault insertions, and demonstrations that will take place. This will allow time for the Contractor to prepare all support materials required. The Demonstration tasks identified by CASCOM and TACOM will be reviewed and verified to determine the adequacy LD as outlined in AR 700-127:

14.4 System Support Package (SSP) Evaluation: The LD also evaluates the adequacy of the System Support Package (SSP) and access the supportability engineered and established for the system such as; maintenance planning, maintenance concept, task allocation, troubleshooting procedures, repair procedures, its peculiar support equipment, technical publications, Logistics Management Information (LMI) data, training and training devices, Human Factors Engineering (HFE) aspects, MANPRINT related to operator and maintainer tasks, TMDE, embedded diagnostics/prognostics, test program sets, diagnostic procedures in the technical manual, common tools, special tools, spares and repair parts list. The Contractor shall validate all PTMs prior to any LD and must be sufficient for use by representative Soldiers during operation, maintenance, and troubleshooting. Upon Government task determination the Contractor shall insert system faults. The Contractor shall insert designated fault on the platform that are non-destructive as outlined within the LD Plan.

At minimum, the Contractor shall provide the following support:

1. One Technical Writer, who will coordinate with Government Publications to take notes of all corrections required and answer any questions about TM development per team.
2. One Technical expert on the end item who will be available to answer questions about the equipment per team.
3. Provide the necessary support as identified in the LOGDEMO plan.
4. The Contractor shall provide the required special tools and test equipment identified in the TM.
5. The Contractor shall repair the end item within 24 hours during the LOGDEMO if it is damaged or not working.
6. The Contractor shall provide the required BII and COEI to support the LOGDEMO as required.

14.5 Fault Insertion Plan. The contractor shall develop a fault insertion plan for government review. The fault insertion plan will support the execution of the Logistics Demonstration (LD). The contractor will identify faults that can be inserted (non-destructive) to prompt troubleshooting symptoms, errors, system fault detection and internal diagnostics that lead to detection, isolation and corrective actions by Soldier operators and maintainers. The diagnostics/prognostics portion of the Logistics Demonstration (LD) will address 100 percent of all known critical faults, introduced into the equipment individually according to the failure modes, effects, and criticality analysis (AR 700-127, para 5-16). MIL-HDBK-470 may be used as a reference to determine fault insertion sample size and methodology.

The non-destructive inserted faults shall not damage end item, any components and associated equipment. The following examples (not all inclusive) of possible faults include modified cable assemblies (shorted or open connector pins, for example), disconnected cables, faults induced through the use of break-out box, or actual faulty components. The contractor should include the rationale for faults chosen based on examination of factors such as task complexity, task criticality, component cost, probability of occurrence in

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relationship of the maintenance analysis and man-hour estimates for Soldiers to perform detection, isolation and repair of actions (CDRL A104).

15 GOVERNMENT VERIFICATION

15.1 In accordance with AR 700-127 and DA PAM 25-40, the Government is required to verify all publication deliverables for usability, accuracy, and safety. The Government will conduct verification, in accordance with the Government published Verification Plan. The Verification Plan is authored by the TACOM Publications Manager, who will coordinate with the TACOM Maintenance Manager and TRADOC SMEs to ensure the plan covers all aspects of the manual. The plan will describe:

1. What is to be verified and when/where the verification is to take place
2. List of participants and their roles/responsibilities
3. How the contents will be verified (methods to be used for each type of content)
4. Step by step conduct of procedural information (WP) performance
5. Support required by the Contractor

15.2 Performance of the field level PTMs verification will be either hands-on verification by user representatives or by desk-top review. PMCS is required to be performed 100% hands-on, 100% of schematics are required to be assessed on the end item; all other tasks will be at the Publications Managers discretion in coordination with TRADOC. Government packaging personnel will participate in the verification of the EDPS.

15.3 Performance of the NMWR verifications will be by hands-on verification by US Army Depot personnel. Government packaging personnel will participate in the verification of the EDPS.

15.4 The Government relies on complete, careful editing and review of all PTMs by the Contractor. If there are indications that the Contractor has performed incomplete or inadequate QA Reviews, insufficient Validation, or has changed the configuration without Government ECP approval, the Government may elect to reject or return products for rework and will perform additional reviews on reworked product.

15.5 The Contractor shall support the Government Verification as required by the Verification Plan. The Verification Plan will outline the support (to include personnel, parts, EDIL, tools, special tools, and facilities) the Contractor is required to provide to the Government. The Contractor shall ensure the vehicles utilized during Verification are maintained at the 10/20 standard throughout the event. The Verification plan will identify the standard Government rejection criteria and the turn-around time for WPs reviewed during Verification (note: the Contractor shall plan to return No Go WPs within forty-eight [48] clock-hours or less). Entrance Criteria for Verification is:

1. Acceptance of all Validation Exit Criteria (see C.13.1.4)
2. Successful Completion of LD (see C.14)
3. An updated PTM incorporating all LD comments
4. An updated TMQA (see C.4.7)
5. EPDS Validation Report (see C.10.10)

15.6 For the Field Level PTMs, the Government will provide the Verification Plan, minus the appendixes, at the Start of Work. The Government plans for the Verification to last between 6 9 months and will be at a Government identified facility within the Detroit metro Area, Michigan. The duration of the Verification is subject to extension based on the quality of the product provided by the Contractor and may be extended at no additional cost to the Government.

15.7 For the NMWR PTMs, the Government will provide the Verification Plan, minus the appendixes, upon approval of the NMWR candidate list (see C.3.10.4.1). The Government plans for each component NMWR to last between 20 30 days and will be held at a Red River Army Depot, Texas. The duration of the Verification is subject to extension based on the quality of the product provided by the Contractor and may be extended at no additional cost to the Government.

15.8 The Government will verify that the MAC, RPSTL, and WPs all agree and support each other. Alignment between all manuals and information contained within the book is critical to ensuring accuracy. The intent of verification is to prove out the usability and accuracy of the TM/NMWR content. Maintenance tasks shall be accurate, usable, and can be performed as written. The Government will ensure that the user is able to locate component on which a task is to be performed; illustrations and callouts correctly support the procedural step (from operator/maintainer point of view); that required warnings, cautions, and notes are included, placed correctly, and are accurate.

15.9 The RPSTL will be fully assessed for the following:

1. P coded items are assigned an NSN
2. Indexes are complete and accurate
3. Make from items list the correct bulk material
4. Next higher assembly can be identified for XA coded items
5. Useable on codes (if applicable) are accurate

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6. Source Maintenance and Recovery (SMR) K- coded items identify the kit in which they are contained
7. Brackets in illustrations are consistent with indentures in part list
8. Only items submitted on the LSA-036 report are included in the RPSTL
9. Items outlined in the RPSTL align with information provisioned in the LSA-036 report
10. There are no missing components
11. The illustrations clearly identify the parts

15.10 At minimum, the Contractor shall provide the following support:

15.10.1. One Technical Writer, who will take notes of all corrections required and answer any questions about TM development per team

15.10.2 One Technical expert on the end item who will be available to answer questions about the equipment per team

15.10.3 Provide the necessary unique support items and services to manage, support, operate and maintain the end item during the Verification including EDIL, unique repair parts, and mandatory replacement parts subject to damage or destruction during the course of the verification. These items will be made available throughout the Verification.

15.10.4 The Contractor shall provide the required special tools and test equipment identified in the TM.

15.10.5 The Contractor shall repair the end item during Verification if it is damaged or not working.

15.10.6 The Contractor shall provide the required BII and COEI to support the Verification as required.

15.10.7 The Contractor shall have the test LLRC containers that successfully passed LLRC testing shipped to the NMWR verification site.

15.11 The Contractor shall make all corrections to the Technical Manual and document any discrepancies between the Government Task Data Sheets and what the Contractor incorporates into the TM (CDRL A066).

16 NEW EQUIPMENT TRAINING (NET) SUPPORT PACKAGE

16.1 The Contractor shall develop a NET support package to support the MMPV Type II. The Contractor shall conduct training courses, as outline herein, to train the MMPV Type II. The NET support package shall cover system operation, controls, student guide, instructor guide, troubleshooting, maintenance required to safely operate and maintain the MMPV Type II. The Contractor shall develop New Equipment Training Support Package for both Operator and Field Level Maintenance in accordance with AR 350-1, TRADOC Regulation 350-70(Army Learning Policies and Systems), and all and all TRADOC pamphlets 350-70-1 thru 350-70-6.

16.2 Training Program: The contractor shall develop and conduct the MMPV Type II training program in accordance with AR350-1, TRADOC Regulation 350-70 (Army Learning Policies and Systems)and all referenced supporting TRADOC pamphlets, MIL-PRF-29612B, MIL-HDBK-29612-1A, Parts 1 thru 4.

16.2.1 Critical Task List (CTL): The Contractor shall develop and deliver a Critical Tasks List (CTL) for both Operator and Maintenance Training. The Operator CTL shall include Operator/Crew tasks (A067); the Field Level CTL shall include Maintainer tasks (A068). The CTL shall be developed in accordance with AR 350-1, TRADOC Regulation 350-70(Army Learning Policies and Systems) and (Chapter: Task Analysis and Task Development), and all TRADOC pamphlets 350-70-1 thru 350-70-6. The Government will approve the CTL before the NET package can be updated.

16.2.2 New Equipment Training (NET) Package: The Contractor shall develop and provide both an Operator (A069) and Field Level Maintainer NET Package (A070). The NET Package format shall be developed in accordance with TRADOC Regulation 350-70. The NET Package shall include at minimum items identified on the Government approved CTL (see C.16.2.1); the Contractor can identify additional items for inclusion in the NET package during the TRCs (see C.5.6). The Government will assess the NET Package for compliance with AR 350-1, TRADOC Regulation 350-70(Army Learning Policies and Systems), and all referenced supporting TRADOC pamphlets, AR 385-10, and consistency with the technical manuals developed. Both the Operator and the Field Level Maintenance NET Package will consist of a Program of Instruction (POI) and Training Support Package (TSP) for the complete MMPV Type II.

16.2.2.1 Program of Instruction (POI) (OPNET: CDRL A071; FLMNET: CDRL A072) The Contractor shall develop and provide the POI format shall be developed in accordance with AR 350-1, TRADOC Regulation 350-70. The POI shall be developed in accordance with TRADOC Pamphlet 350-70-9 Chapter 4 and 5. POI shall include at a minimum 1) Outline of all training modules/lessons for all variants using the 2) Government approved CTL (see C.16.2.1) to identify any potential training task 3) Recommended Training Aids, Devices, Simulation, Simulators (TADSS) to models, mock-up, actual components/parts task trainers, and Fault Inducement Kit (FIK) list to support fault Tracks identified 4) list of projected Fault Tracks from the Interactive Electronic Technical Manual (IETM) or Electronic Technical Manual (ETM) work packages to be used during Technical Training of the field Level Maintainer course, using MSD/ICE/Hydraulic/electric test equipment. 5) Training consumables 6) Special tools and Test Equipment (STTE). 7) Training Support Requirements (Listing that identifies all materials and equipment needed to support a stand-alone training effort. The Government will assess the POI for compliance with AR 350-1, TRADOC Regulation 350-70 (Army Learning Policies and Systems), and all TRADOC pamphlets 350-70-1 thru 350-70-6.

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16.2.2.2 Training Support Package (TSP): The Contractor shall develop and provide an Operator (A073) and Field Level Maintainer TSP (A074). The TSP format shall be in accordance TRADOC Pamphlet 350-70-8. The TSP shall be developed in accordance with TRADOC Pamphlet 350-70-1 Chapter 6. The TSP shall be a complete, exportable package integrating training products, materials, and information necessary to train tasks depicted in the Government approved CTL (see C.16.2.1), Instructor Guide (see C.16.2.2.2.1), Student Guide (see C.16.2.2.2.2), Media Package (see Attachment A14 (NET View Graphs)), Test (see C.16.2.2.2.3), Test Key (see C.16.2.2.2.4), Practical Exercise (see C.16.2.2.2.5), Technical Training Course Material (see C.16.2.2.2.6). The Government will assess the TSP for compliance with AR 350-1, TRADOC Regulation 350-70 (Army Learning Policies and Systems), and all TRADOC pamphlets 350-70-1 thru 350-70-6.

16.2.2.2.1 Instructor Guide: The Contractor shall provide an Instructor Guide for both the Operator (CDRL A075) and Field Level Maintainer (CDRL A076). The Instructor Guide is used by the Instructor during training, providing additional information, answers and clarification to assist in conducting the training event. The Instructor Guide shall align with the Government approved CTL (see C.16.2.1) and the technical manuals. The Instructor Guide shall be formatted in accordance with TRADOC Pamphlet 350-70-2. The Instructor Guide shall also include the tests (see C.16.2.2.2.1), view-graphs (see Attachment A14), blank course critiques, acronym list, and course training schedule, Practical Exercise (see C.16.2.2.2.5), Technical Training Course Material (see C.16.2.2.2.6).

16.2.2.2.2 Student Guide: The Contractor shall provide Student Guides for both Operator (CDRL A077) and Field Level Maintainer (CDRL A078). The Student Guide shall be formatted in accordance with TRADOC Pamphlet 350-70-2. The Student Guide shall align with the Instructor Guide; the Student Guide is provided to all student attendees as a workbook of information to support the training event. The Student Guide shall also include view-graphs (Attachment A14), blank course critiques, acronym list, and course training schedule, Practical Exercise (see C.16.2.2.2.6), Technical Training Course Material (see C.16.2.2.2.6).

16.2.2.2.3 Technical Training Course Material: The contractor shall provide technical training course material as is appropriate for the skill levels of the targeted audiences for both Operator and Field Level Maintainer TSP. The training shall be used for the Operation/Operator Maintenance of the MMPV Type II (NET) for MOS 12B, and Field Level of Maintenance (NET) for MOS 91B.

16.2.2.2.4 Training Test Support Package (TTSP): The Contractor shall develop and provide both an Operation and Field Level Maintenance TTSP as depicted in TRADOC Pamphlet 350-70-8. The TTSP shall meet content requirements established in TRADOC Regulation 370-50 (Army Learning Policies and Systems), Section 8-3. The Contractor shall format the provided Training Support Package, POI, and Lesson Plans in accordance with TRADOC Regulation 350-70. All training development products shall be capable of being entered into TRADOCs Automated Systems Approach to Training (ASAT) database without modification. The Government will upload the data. ASAT will migrate to the Training Development Capability/Army Training Information Architecture database, or follow-on/replacement system. MIL-HDBK-29612-2A can be used as guidance for developing the TTSP.

16.2.2.2.5 Test Questions Key: The contractor shall develop and provide three 25 question tests with keys for both the Operator (CDRL A079) and Field Level Maintenance Courses (A080) in accordance with TRADOC Pamphlet 350-70-5 Chapter 3, for re-test and rotation to enable any re-testing or re-training that may be required. The contractor shall develop and provide all changes to training aids/materials corresponding to any configuration change to the MMPV Type II in accordance with AR350-1, TRADOC Regulation 350-70 (Army Learning Policies and Systems), and all referenced supporting TRADOC Pamphlets to the Contracting Officer for approval.

16.2.2.2.6 Classroom and Practical Exercise (PE): The instruction shall be a combination of classroom and Practical Exercise (PE) (hands-on) training. The Contractor shall design PEs to be conducted using the primary equipment to teach operation, assembly and disassembly, inspection, testing, troubleshooting, repair, and safety procedures that align with the Government approved CTL (see C.16.2.1). The training shall provide Government personnel with the knowledge, technical qualifications, and reference materials necessary to perform all operations, operator maintenance, and field level maintenance tasks required to successfully accomplish their assigned mission.

16.2.2.2.7 Training Certificate (CDRL A081): The contractor shall provide each student a Training Certificate on the last day of the training course. The Contractor shall provide the original course critique sheets and attendance rosters for all training activities conducted under this PWS.

16.2.2.2.8 Electronic Editable Format: The Contractor shall deliver an electronic editable format of the complete TSP (C.16.2.2.2) to the Government for future training with a data package of all updated training illustrations in accordance with technical manual revisions, lessons learned and system changes. (All training support packages delivered shall be in an electronic editable copy). The Government reserves the right to record any or all training, photographically or electronically, for instructional use or review. If the Contractor wishes to claim a copyright to the presentation recorded by the Government, the Contractor grants to the Government a license to that copyrighted work for any and all uses the Government will make of that recording.

17.0 SYSTEM SUPPORT PACKAGE (SSP) (CDRL A082)

17.1 System Support Package (SSP): The Contractor shall prepare and deliver a SSP for the personnel, facilities, and supplies required for support of LD, PVT, OT, and Verification on the MMPV Type II. The SSP shall consist of System Support Package List (SSPL) and a System Support Package Plan (SSPP). The Contractor shall update SSPs as a result of Test Inspection Reports (TIRs). The Contractor shall update diagnostic software through results of the LD. The SSP shall be at the test location 45 days prior to the start of each test event. The SSP shall consist of the following:

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- 17.1.1 SSPL (see C.17.2)
- 17.1.2 SSPP (see C.17.3)
- 17.1.3 Diagnostic Software (MSD)
- 17.1.4 System Support (see C.17.3)
- 17.1.5 Technical Manual (OEM validated PTM) (see C.17.4)
- 17.1.6 Technical Personnel or Field Service Representative (FSR) (see C.17.5)

17.2 System Support Package List (SSPL) (CDRL A101): The Contractor shall develop and deliver a SSPL that include the following: spare/replacement of repair parts; common and special tools; Basic Issue Items (BII); Component of the End Item (COEI); and expendable supplies. The Contractor shall describe in detail and identify the on-hand quantity, status (long lead items) and source of supply of each item, whether Contractor or Government supplied. The Contractor shall update the SSPL 60 days prior to the start each event.

17.3 System Support Package Plan (SSPP) (CDRL A102):

The Contractor shall develop SSPP describing how they will support the events identified (see C.17.1). The Contractor shall bear sole responsibility for correction (or fulfillment) of shortages or deficiencies and currency of the SSPP and SSPL that impact PVT, OT, LD, and Verification. The Contractor shall document and correct all deficiencies associated with diagnostic software that are discovered at the time of or during the tests. The Contractor shall bear the sole responsibility of providing these updates to the SSPP within twenty-four (24) hours of notification. Any additional parts that are identified during the test event will need to be analyzed and if required added to the SSP and an updated SSPL forwarded to the Government. Accordingly, updates to the SSPP and SSPL shall be delivered to the test site (prior to retest) within twenty-four (24) hours of notification. The Contractor shall supply the Government with a copy of the SSPP 30 days prior to the start of each event.

17.3 System Support is defined as the Contractor purchasing and providing any items, parts and components required to support the entire vehicle configuration for events identified by the Government in C.17.1 as identified on the approved SSPL (see C.17.2). The Government will provide petroleum oil and lubricants (POL) for each MMPV Type II undergoing testing. The Contractor shall provide all other tools, equipment, parts, and expendable supplies to support the on-vehicle maintenance that is to be performed by the Government. If shortages or deficiencies are identified or discovered at the time of or during the events, the Contractor shall bear the sole responsibility of fulfillment of all shortages, within twenty-four (24) hours of notification.

17.4 The Contractor shall provide copies of the Validated PTMs (see C.11; C.13) that have been updated prior to each event (LD, OT, and Verification) as depicted in the corresponding CDRL.

17.5 Field Service Representative (FSR): The Contractor shall be prepared to provide FSR support as identified. The FSR shall provide technical repair and assistance, advice and make recommendations to instruct Government personnel in operations, maintenance, repair, and parts supply. Resolve system support matters/issues, and interface with any component part involving the Contractor and suppliers. The FSR shall support the events as identified in C.5; the FSRs shall be available to assist during the entire maintenance workday (not to exceed 12 hours).

17.6 Vehicles Deficiencies

17.6.1 The Contractor shall perform a detailed inspection and assessment report on each vehicle and major components (i.e. cold-weather kit, RDS) at the conclusion of PVT, OT, LD, Verification, and IKPT. The inspection shall include identification of all deficiencies on the equipment that prohibit it from being production representative 10/20 standards. The Contractor shall provide the inspection and assessment report (CDRL A083).

17.6.2 Any deficiencies found on the equipment as a result of Validation, Verification, and I&KPT shall be corrected by the Contractor within 15 days.

17.7 Contractor Support and Responsibility: The Contractor shall bear sole responsibility for any correction (or fulfillment) of shortages or deficiencies of the SSP and System Support Part Listing (SSPL) that impact supportability for Performance Vehicle Testing (PVT, RAM (reliability testing), Demonstration Testing (DT), Logistics Demonstrations (DT), Verification, and Operational User Testing (OT), and for any repeated events if required.

18 AUTHORIZED STOCKAGE LIST (ASL) AND INTERIM SUPPORT PACKAGE (ISP)

18.1 Authorized Stockage List (ASL) (CDRL A084):

The Contractor shall develop one (1) single set of ASL to the support the initial fielding of the MMPV Type II. The ASL shall be developed to sustain the gaining units; it shall include all necessary items for one units first years annual services as well as any high failure items supported by the LORA (see C.6.5) or specifically identified by the US Government. The Contractor shall submit the ASL to the Government for initial approval prior to the procurement of the parts.

18.2 Interim Service Package (ISP) (CDRL A085):

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The Contractor shall develop one (1) single set of ISP to the support the initial fielding of the MMPV Type II. The ISP shall be developed to sustain the gaining units; it shall include all necessary items for one trucks first years annual services. The Contractor shall submit the ISP to the Government for initial approval prior to the procurement of the parts.

19 FIELD MAINTENANCE TOOL KIT (FMTK)

19.1 Requirement: The Contractor shall develop and produce one Field Maintenance Tool Kit in support of MMPV Type II and IA. The Contractor shall build its test assets with the STTE identified as required based on the MA and MAC tools listed. The Contractor shall modify its FMTK as a result of Contractor Validation (see C.13), LD (see C.14) and Verification (see C.15). The Contractor shall provide pricing for all required tools and shall quote Brand Name or Equal. The tools and placards comprising the FMTK and FMTK supplement kits shall be contained in Pelican type containers. The Pelican type containers and the customized foam inserts for tool location are to be considered part of each respective kit and shall be included in the TDP (see C.19.9).

19.2 Tool Layout Plan (CDRL A086):

The Contractor shall design a tool layout plan and deliver it to the Government in current Microsoft Office software suite using the Contractors format (both written description and 3-D design). Design shall meet all safety and other applicable Government requirements and shall focus on following objectives: optimize space utilization, logically juxtaposition related tools (tools used on similar items/tasks), maximize tool visibility/ identification and availability. The Contractor shall produce a physical test asset for product verification upon approval of design by the Government. Physical test asset shall be made available (shipped to Warren, MI) to the Government for review/inspection. The Contractor shall make modifications and corrections required by the Government. The final product shall be made available for final acceptance by the Government. All physical items developed under this PWS shall become Government property and may be used in future procurement activities. The technical data delivered under this CDRL shall come to the Government with the rights required by DFARS.

19.3 Digital Images: Contractor shall supply digital images (C.19.3.1 and C.19.3.2) of all items contained in the applicable FMTK under development. The Contractor shall assume full responsibility to assure the digital images are of sufficient quality and in the proper format. The Government will reject any images that are blurred, too dark, too light or of otherwise poor quality.

19.3.1 Individual Tool Images (CDRL A087):

The Contractor shall provide digital images of each component that is specified within the components lists. The digital images shall be of a sufficient resolution and quality that they can be clearly viewed on a Government prepared web site. The file shall be a .jpeg format. The filename of each image shall be the NSN/Part Number of that individual tool with the .jpeg extension.

19.3.2 Set Images (CDRL A088): The Contractor shall provide a digital image of the entire Tool Load/Set procured within the contract. For containerized Sets, Kits, and Outfits (SKO), the images shall be of the open container(s) with the individual tools laid out around the container, and of each container/case/drawer/tray/etc. with the tools in their respective locations.

19.3.3 Copyright release letter (CDRL A089):

The Contractor shall certify in writing in the event no copyrighted information is used in a deliverable under this contract. The Government shall review the copyright release or letter before the copyright material is released on the PM SKOT website. Final TM submissions will not be accepted and shall be considered incomplete without the appropriate copyright release license per DFARS 252.227-7013(d).

19.4 The Contractor shall be responsible for procuring all tools, foam and other components parts, pieces, raw stock to install the tool load. The Contractor shall cut foam for the cases and integrate the foam and special tools in accordance with the layouts and drawings. The Contractor shall notify the Government within 60 days of contract award of all tools components parts, pieces, raw stock that has a lead time of more than 60 days. The Contractor shall procure stock store inventory long lead items. The Contractor shall not deviate from the approved layouts or drawings without first obtaining approval from the Government. The Contractor shall develop a placard, integrating digital pictures of drawers/trays/cases indicating tool locations. All labels/placards shall be made to allow a successful usage life of at least 10 years.

19.5 Receipt and Accountability (CDRL A103):

The Contractor shall bear the responsibility to receive, inspect, secure, inventory, ship and document any and all deficiencies of the materials received. The Contractor shall place these items in the appropriate secured storage location until necessary for utilization/over pack of the special tools. The Contractor shall provide accountability/inventory status of all items associated with the special tools program within 2 hours when requested by the Government. In the event materials are deficient, the Contractor shall submit a Supply Discrepancy Report/Report of Discrepancy to the Government as to what actions have been taken and provide a weekly status on any or all actions.

19.6 Over pack Requirements: The Contractor shall bear the responsibility to unpack the procured tool load and components as needed and

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shall place them (over pack) into the cases as required to meet layouts or drawings.

19.7 Non Sealed Drawer Components: The Contractor shall place appropriate items under this category within the cases in the appropriate areas as dictated by the layouts or drawings.

19.8 Sealed Drawer Packaging: The Contractor shall place sealed drawer packaged/foam assemblages in appropriate cases and locations per marking/label on that assemblage.

19.9 Technical Data Package (CDRL A099):

The Contractor shall develop a Level III TDP per MIL-DTL-31000D in support of the FMTK which shall include containerized tools, a placard/booklet, and integrating digital pictures of drawers and trays and cases indicating tool locations. All labels/placards shall be made to allow a successful usage life of at least 10 years. The Government will provide the Contractor with TACOM (19207) Kit drawing numbers that will be associated with the development of the Level III TDP at the Start of Work meeting.

19.10 Quality Assurance Provisions: The Contractor shall ensure 100% completeness of all tools and components before shipment. The Contractor shall warrant that cases are furnished with a complete tool load prior to shipment. In the event a case is found to be incomplete, the Contractor bears the cost to make that case complete.

19.11 Verification of the Contractor Responsibilities

19.11.1 Receipt: The Government reserves the right to witness and inspect the Contractor's method to receive, inspect, secure, inventory and ship equipment purchased by the Contractor in support of this effort. The Contractor shall update methods as require when deficiencies are found.

19.11.2 Oversight: The Government reserves the right to witness over packing of the special tools to insure of proper tool placement and verify inventory. Failure of the Contractor to correctly pack the tools shall be cause for rejection of that case.

19.11.3 Delays: The Government will not be responsible for any extension or delays in scheduled deliveries under this contract as a result of the Contractor's obligations to correct defects, nor shall there be any adjustment for delivery schedule as a result of correction of defects.

20 ITEM UNIQUE IDENTIFICATION (IUID) (CDRL A090):

The Contractor shall deliver a IUID Candidate List for spare and repair items in accordance with DFARS Clause 252.211-7003. The IUID Candidate List shall be developed in accordance with MIL-STD-130N (1). The proposed information content; Human Readable Information; Machine Readable Information (2D Data Matrix) marking protocol; and the label location, size, material and method of attachment appropriate for each IUID Candidate shall be included on the IUID Candidate list. The IUID Candidate List shall capture all required information, in accordance with MIL-STD-130N (1) to include description, manufacturer CAGE code, Part Number, Serial Numbers.

21 DIMINISHING MANUFACTURING SOURCES AND MATERIAL SHORTAGES (DMSMS)

21.1 DMSMS Management Plan (CDRL A091):

The Contractor shall develop a DMSMS plan and revise through the life of this contract if new technologies have been developed to managed DMSMS and obsolescence. The Contractor shall develop and maintain DMSMS management plan for managing the loss, or impending loss of manufacturers or suppliers of parts or material as required by DoD 4140.1_R, DoD Supply Chain Management Material Regulation. The Contractor shall alert the COR within 5 days when it has been determined that a part has been identified as diminishing or obsolete part. The Contractor shall revise the engineering drawing, schematics and specification when the Contractor identifies that it has made changes to a part. The Contractor must ensure that all of the hardware is producible and maintainable throughout the life cycle of the contract. The Contractor must present updated status of DMSMS and obsolescence issues at scheduled IPR meetings and brief resolution options.

21.2 Engineering Bill of Material (E-BOM) (CDRL A092):

The Contractor shall provide a E-BOM.

21.3 DMSMS Forecasting and Notifications: The Contractor shall establish a process for identifying and notifying the Government of forecasted and identified DMSMS issues. The Contractor shall use a predictive tools and methods to proactively forecast and monitor parts for DMSMS. The Contractor shall provide access to the Government, for review, all DMSMS information. Government representatives will participate as a member of the DMSMS Management Team (DMT) and have full access to all DMSMS data and information.

22 TRANSPORTABILITY REPORT (CDRL A093):

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The Contractor shall produce and deliver a Transportability Report that includes the data for disassembly and assembly for all vehicles required to meet all transport modes and shall ensure that this information is added to the operators manual. This data may be added as an appendix to the manual. The Contractor shall include a reference identifying the location of tools and equipment required for preparation of transport.

23 HUMAN FACTORS ENGINEERING

23.1 Human Factor Engineering: The Contractor shall assure that the system design is consistent with the capabilities and limitations of the fully equipped Soldier to operate, maintain, supply, and transport it in its operational environment, consistent with tactical requirements and logistical capabilities. The scope of the HFE analysis, design and test activities shall include compensation for the effects of personal equipment; clothing; protective gear; extremes of natural environment including atmospheric, degraded visibility, thermal, and terrain conditions as defined by system requirements; workload contingencies; and combat training scenarios for each deployment mode and intended duty cycle (normal, sustained, and emergency). The Contractor shall evaluate the system to assess capability to maximize system and human performance and combat effectiveness and identify any shortfalls and implement appropriate resolutions.

23.2 Human Factors Engineering Analysis (HFEA) (CDRL A094):

The Contractor shall perform and deliver an HFEA. The HFEA shall describe the status of the systems human factors engineering program and contain adequate data to support the Contractors assertions that the system meets the human factors engineering requirements for Milestone Decision and Design Reviews. The Contractor shall identify HFE shortfalls or issues and implement appropriate resolutions. The Contractor shall maintain a database of the issues and provide updates per the CDRL. As guides for managing the HFE program, the Contractor may use MIL-STD-1472G, Human Engineering Design Criteria for Military Systems Equipment and Facilities, and MIL-STD-1474, Noise Limits Design Criteria for Military Systems Equipment and Facilities.

24 CORROSION PREVENTION AND CONTROL PLAN (CPCP) (CDRL A095):

The Contractor shall develop and deliver a CPCP using guidance from Corrosion Prevention and Control Planning Guidebook Spiral 3. The CPCP and updates shall address any changes in design, materials of construction and maintenance which are required. The CPCP shall include a discussion of corrosion prevention techniques employed in design, including measures taken to minimize water collection/entrapment and collection of debris, mitigate corrosion in areas inaccessible to cleaning and maintenance. The updated CPCP should include any test data generated by the unit manufacturer for coatings and materials or relevant observations of corrosion on fielded units.

25 HAZARDOUS MATERIALS MANAGEMENT REPORT (HMMR) (CDRL A096):

25.1 The Contractor shall prepare and deliver a HMMR which, at a minimum, shall identify all hazardous materials delivered on the vehicle or required for operation and sustainment, specifying the part(s) containing the hazardous material. The HMMR shall also identify all hazardous materials used in the final system manufacture and assembly, specifying the process(es) utilizing the hazardous material.

25.2 This report shall be prepared in accordance with National Aerospace Standard 411, section 4.4.(Exception to NAS 411 Section 4.4.1: Hazardous material used in system manufacture and assembly shall be identified in the report in addition those hazardous materials delivered and required for operation and support.) The report shall include a listing of prioritized hazardous substitute materials for minimization/elimination and identify those hazardous materials/processes for which non-hazardous substitute materials/technologies may be available for implementation. The HMMR shall specify which phase (manufacture, operation, and or sustainment) that each material is required for.

26 SYSTEM SAFETY AND SAFETY ENGINEERING SUPPORT

26.1 The contractor shall ensure and provide safety engineering analysis in all system design activities performed under this contract. The Contractor shall not degrade existing safety related design features. System Safety and Safety Engineering designs and operational procedures developed or updated by the Contractor shall be maintained and updated throughout the life of the contract and posted on the Government specified data repository. System design and operational procedures developed or updated by the Contractor shall consider the following:

26.1.1 Identifying hazards associated with the system by conducting safety analyses and hazard evaluations. Analysis shall include both operational and maintenance aspects of the vehicle along with potential interface problems with planned subsystems.

26.1.2 Eliminating or reducing significant hazards by appropriate design or material selection and software design applications.

26.1.3 Controlling or minimizing hazards to personnel which cannot be avoided or eliminated.

26.1.4 Locating equipment components and controls so that access to them by personnel during operation, maintenance or adjustments shall not require exposure to hazards such as high temperature, chemical burns, electrical shock, cutting edges, sharp points, or

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concentrations of toxic fumes above established threshold limit values, including all moving parts and mechanical power transmission devices.

26.1.5 Identification and safe system discharging of mechanical, electrical, pneumatic or hydraulic or liquid system designs to exhaust system components, pneumatic components and hydraulic components which are of such a nature or so located as to be a hazard to operating or maintenance personnel and the Contractor shall ensure the design solutions be either enclosed or guarded but designed so all the protective devices shall not impair operational functions.

26.1.6 The Contractor shall ensure that suitable warning and caution notes in all manuals and publications and shall specify standard Government warning labels types and placement locations as well as instructions for safe operation, maintenance, assembly and repairs and distinct markings placed on hazardous components of equipment of the Contractors POV and various variants. This data shall be shared with the Government in the Government specified format and placed into a Government specified data storage location. The Contractor shall maintain and update throughout the life of the contract and posted on the Government specified data repository. The Contractor shall provide engineering service support CONUS and OCONUS to install or update warnings labels and caution notes in previous or newly delivered technical manuals or publications or vehicles, individual parts, components, sub assemblies or assemblies and could be sourced with the placement of the labels and instructions for safe operation, maintenance, assembly and repairs.

26.1.7 The Contractor shall ensure that safety is considered in the design for both operational and maintenance phases of the use of the system or vehicle.

26.1.8 The Contractor shall ensure the Vehicle and the vehicle safety systems meet the Federal Motor Vehicle Safety Standards (FMVSS) and Federal Motor Carrier Safety Regulations (FMCSR) in their design solutions or design change solutions.

26.1.9 Hazardous materials will be disposed of utilizing Contractor procedures in accordance with applicable local regulations with related costs to be charged to the contract.

26.2 The Contractor shall as a result of safety analyses, hazard evaluations, and testing, prepare a Safety Assessment Report (SAR) (CDRL A097) documenting the changes made to the system and the impact the changes have on the safe operation of the system. The SAR shall identify all vehicle safety features, discuss all potential safety and health related problem areas and shall establish special procedures and precautions to be observed by Government test agencies and system users.

26.2.1 The Contractor shall submit in the event the system is modified or procedural changes made after the final SAR is submitted, a Contractor updated SAR to reflect those modifications or changes and shall maintained and update this information throughout the life of the contract.

26.2.2 The Contractor shall perform system analysis, definition, integration planning, design, and full development as required by this PWS. During system analysis, definition, integration planning, and design, the Contractor shall ensure that logistics, producibility, quality, human factors safety, MANPRINT, test RAM-D, and environmental impact are considered. All trade-off evaluations conducted shall include consideration and an estimate of production cost and, if applicable, retrofit and further development costs in the study.

26.3 The Contractor shall attend the meetings identified below and provide information and responses to questions posed by the Government.

- 26.3.1 Systems Requirements Review
- 26.3.2 System Function Review
- 26.3.3 System Design Review
- 26.3.4 Preliminary Design Review
- 26.3.5 Other interim program reviews that result as of safety issues

27 ENGINEERING INDENTURED BILL of MATERIAL (E-iBOM) (CDRL A098):

27.1 The Contractor shall provide a complete BOM, a complete listing of all parts utilized to build the end item, as well as any assembly that has its own Technical Manual (i.e. RDS, Cold-Weather kit). The BOM will be used to establish the configuration baseline for the end item and the identified assemblies (Attachment A015).

*** END OF NARRATIVE C0001 ***

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|-----|------------------------|-----------------------|-------------|
| C-1 | 52.204-4003 (TACOM) | START OF WORK MEETING | SEP/2013 |

The contractor shall hold a start of work meeting (IAW C.5.1) at its facility, unless some other location is designated in the contract, within 30 days after contract award. The Start of Work Meeting is to assure a clear and mutual understanding of the contract terms, conditions, line items, technical requirements and sequence of events needed for successful execution of the subject contract effort.

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The contractor shall participate with Government to arrange a schedule and agenda for the meeting.

The contractor shall at a minimum invite the Government contracting personnel (PCO/Contract Specialist). At the discretion of the PCO, other Government technical personnel (Contracting Officer's Representative (COR) identified in Section G or in an appointment letter, Quality Assurance personnel, DCMA, etc.) may also be invited to the meeting. All Government invitees 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. The contractor shall provide the Government with minutes (IAW CDRL A002) of the Start of Work Meeting within 5 days after the meeting is held.

[End of Clause]

C-2 52.211-4072 TECHNICAL DATA PACKAGE INFORMATION JUL/2012

The following Xd item applies to this solicitation:

- [X] 1. There is no Technical Data Package (TDP) included with this solicitation.
- [] 2. This solicitation contains one or more web-located TDPs. If multiple Contract Line Item Numbers (CLINS) are listed below, each one will have its own URL just under the CLIN listing. The URL will take you to that CLINs Web-located TDP. To access the TDP, you will have to copy or type the links URL to your web browser address bar at the top of the screen.
Note: To copy a link from a .pdf file, click on the Text Select Tool, then highlight the URL, copy and paste it into your browser, and hit the Enter key.
CLIN: -1-
TDP Link (URL): -2-
- [] 3. The TDP for this solicitation resides within FedBizOpps (://www.fbo.gov), associated with this solicitation number, and can be accessed via this URL:

-3-

To access the data through FBO:

- a. Log on to the FBO web site.
- b. Enter your Marketing Partner Identification Number (MPIN).
- c. Search for the solicitation number.
- d. If solicitation is Export Controlled, select Verify MPIN.
- (1) TDPs that have an Export Control Warning Notice are subject to the Arms Export Control Act (Title 22, U.S.C., Sec 2751, et.seq.) or the Export Administration Act of 1979, as amended, Title 50, U.S.C, App. 2401 et. seq..
- (2) Further dissemination must be in accordance with provisions of DoD Directive 5230.25. This also applies to distribution of the TDP to all SUBCONTRACTORS at every level.
- (3) To obtain these TDPs, vendors and contractors must have a current DD 2345, Militarily Critical Technical Data Agreement on file with Defense Logistics Information Service (DLIS).\~ If you are currently certified, your MPIN will be verified and you may proceed to the next step.\~ To obtain certification, go to ://www.dlis.dla.mil/jcp/
click on documents and follow instructions provided. Processing time is estimated at six (6) to ten (10) weeks after receipt. FBO will allow you to access export controlled TDPs once certification is confirmed.
- (4) Upon completion of the purposes for which Government Technical Data has been provided, the Contractor is required to destroy all documents, including all reproductions, duplications, or copies thereof as may have been further distributed by the Contractor. Destruction of this technical data shall be accomplished by: shredding, pulping, burning, or melting any physical copies of the TDP and/or deletion or removal of downloaded TDP files from computer drives and electronic devices, and any copies of those files.
- e. If technical data is otherwise restricted, select Request Explicit Access. This will generate an email to the FBO system administrator at Army Contract Command - Warren (DTA) with all the information needed for them to grant you access. FBO will subsequently automatically generate an email stating when you have permission to view or download TDP items. Allow 2 3 working days to complete this FBO-TDP access/approval process through the FBO system.
- f. If multiple individuals in your company need access to the Technical Data Package (TDP) for a solicitation and an explicit access request is required, each individual MUST submit an explicit access request to be granted approval to view the TDP. Those same individuals MUST be registered in Federal Business Opportunities (FBO). Any individuals no longer with the company should be deleted. Questions related to registration in FBO should be directed to ://www.fbo.gov/index The FBO helpdesk phone number is (866) 606-8220. Vendors are responsible for placing correct information in FBO.
- g. It is strongly suggested that you submit the explicit access request and provide the buyer with the completed Use and Non-Disclosure Agreement at the same time if the solicitation requires both to gain access to view the TDP.
- h. A user guide for FBO can be found at ://www.fbo.gov - on the right is User Guides - click on Vendor.

[End of clause]

C-3 52.237-4000 CONTRACTOR MANPOWER REPORTING (CMR) FEB/2013
(TACOM)

The Office of the Assistant Secretary of the Army (Manpower & Reserve Affairs) operates and maintains a secure Army data collection

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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]

C-4

52.239-4003

SECTION 508 CONFORMANCE

APR/2010

Under Section 508 of the Rehabilitation Act of 1973 (29 U.S.C. 794d), federal agencies must give disabled employees and members of the public access to electronic information that is comparable to the access available to others. Section 508 requires that federal agencies' electronic and information technology (EIT) be accessible to people with disabilities. All EIT products and services purchased under this contract must conform to the Section 508 law by meeting all applicable accessibility standards.

The applicable accessibility standards are indicated in the Statement of Work and/or CLINs. See below for the list of accessibility standards. Only the standards referenced in the Statement of Work and/or CLINs apply to this contract.

Section 508 Accessibility Standards

1194.21 Software applications and operating systems.

- (a) When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually.
- (b) Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer.
- (c) A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that assistive technology can track focus and focus changes.
- (d) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to assistive technology. When an image represents a program element, the information conveyed by the image must also be available in text.
- (e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those

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images shall be consistent throughout an application's performance.

(f) Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes.

(g) Applications shall not override user selected contrast and color selections and other individual display attributes.

(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.

(i) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.

(j) When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided.

(k) Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz.

(l) When electronic forms are used, the form shall allow people using assistive technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.

1194.22 Web-based intranet and internet information and applications.

(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).

(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.

(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.

(d) Documents shall be organized so they are readable without requiring an associated style sheet.

(e) Redundant text links shall be provided for each active region of a server-side image map.

(f) Client-side image maps shall be provided instead of server-side image maps except where the regions cannot be defined with an available geometric shape.

(g) Row and column headers shall be identified for data tables.

(h) Markup shall be used to associate data cells and header cells for data tables that have two or more logical levels of row or column headers.

(i) Frames shall be titled with text that facilitates frame identification and navigation.

(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.

(k) A text-only page, with equivalent information or functionality, shall be provided to make a web site comply with the provisions of this part, when compliance cannot be accomplished in any other way. The content of the text-only page shall be updated whenever the primary page changes.

(l) When pages utilize scripting languages to display content, or to create interface elements, the information provided by the script shall be identified with functional text that can be read by assistive technology.

(m) When a web page requires that an applet, plug-in or other application be present on the client system to interpret page content, the page must provide a link to a plug-in or applet that complies with 1194.21(a) through (l).

(n) When electronic forms are designed to be completed on-line, the form shall allow people using assistive technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.

(o) A method shall be provided that permits users to skip repetitive navigation links.

(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.

1194.23 Telecommunications products.

(a) Telecommunications products or systems which provide a function allowing voice communication and which do not themselves provide a TTY functionality shall provide a standard non-acoustic connection point for TTYs. Microphones shall be capable of being turned on and off to allow the user to intermix speech with TTY use.

(b) Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.

(c) Voice mail, auto-attendant, and interactive voice response telecommunications systems shall be usable by TTY users with their TTYs.

(d) Voice mail, messaging, auto-attendant, and interactive voice response telecommunications systems that require a response from a user within a time interval, shall give an alert when the time interval is about to run out, and shall provide sufficient time for the user to indicate more time is required.

(e) Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays.

(f) For transmitted voice signals, telecommunications products shall provide a gain adjustable up to a minimum of 20 dB. For incremental volume control, at least one intermediate step of 12 dB of gain shall be provided.

(g) If the telecommunications product allows a user to adjust the receive volume, a function shall be provided to automatically reset the volume to the default level after every use.

(h) Where a telecommunications product delivers output by an audio transducer which is normally held up to the ear, a means for effective magnetic wireless coupling to hearing technologies shall be provided.

(i) Interference to hearing technologies (including hearing aids, cochlear implants, and assistive listening devices) shall be reduced to the lowest possible level that allows a user of hearing technologies to utilize the telecommunications product.

(j) Products that transmit or conduct information or communication, shall pass through cross-manufacturer, non-proprietary, industry-standard codes, translation protocols, formats or other information necessary to provide the information or communication in a usable

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format. Technologies which use encoding, signal compression, format transformation, or similar techniques shall not remove information needed for access or shall restore it upon delivery.

(k) Products which have mechanically operated controls or keys, shall comply with the following:

- (1) Controls and keys shall be tactilely discernible without activating the controls or keys.
- (2) Controls and keys shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate controls and keys shall be 5 lbs. (22.2 N) maximum.
- (3) If key repeat is supported, the delay before repeat shall be adjustable to at least 2 seconds. Key repeat rate shall be adjustable to 2 seconds per character.
- (4) The status of all locking or toggle controls or keys shall be visually discernible, and discernible either through touch or sound.

1194.24 Video and multimedia products.

(a) All analog television displays 13 inches and larger, and computer equipment that includes analog television receiver or display circuitry, shall be equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals. As soon as practicable, but not later than July 1, 2002, widescreen digital television (DTV) displays measuring at least 7.8 inches vertically, DTV sets with conventional displays measuring at least 13 inches vertically, and stand-alone DTV tuners, whether or not they are marketed with display screens, and computer equipment that includes DTV receiver or display circuitry, shall be equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals.

(b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.

(c) All training and informational video and multimedia productions which support the agency's mission, regardless of format, that contain speech or other audio information necessary for the comprehension of the content, shall be open or closed captioned.

(d) All training and informational video and multimedia productions which support the agency's mission, regardless of format, that contain visual information necessary for the comprehension of the content, shall be audio described.

(e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.

1194.25 Self contained, closed products.

(a) Self contained products shall be usable by people with disabilities without requiring an end-user to attach assistive technology to the product. Personal headsets for private listening are not assistive technology.

(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.

(c) Where a product utilizes touch screens or contact-sensitive controls, an input method shall be provided that complies with 1194.23

(k) (1) through (4).

(d) When biometric forms of user identification or control are used, an alternative form of identification or activation, which does not require the user to possess particular biological characteristics, shall also be provided.

(e) When products provide auditory output, the audio signal shall be provided at a standard signal level through an industry standard connector that will allow for private listening. The product must provide the ability to interrupt, pause, and restart the audio at anytime.

(f) When products deliver voice output in a public area, incremental volume control shall be provided with output amplification up to a level of at least 65 dB. Where the ambient noise level of the environment is above 45 dB, a volume gain of at least 20 dB above the ambient level shall be user selectable. A function shall be provided to automatically reset the volume to the default level after every use.

(g) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.

(h) When a product permits a user to adjust color and contrast settings, a range of color selections capable of producing a variety of contrast levels shall be provided.

(i) Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.

(j) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following:

(1) The position of any operable control shall be determined with respect to a vertical plane, which is 48 inches in length, centered on the operable control, and at the maximum protrusion of the product within the 48 inch length.

(2) Where any operable control is 10 inches or less behind the reference plane, the height shall be 54 inches maximum and 15 inches minimum above the floor.

(3) Where any operable control is more than 10 inches and not more than 24 inches behind the reference plane, the height shall be 46 inches maximum and 15 inches minimum above the floor.

(4) Operable controls shall not be more than 24 inches behind the reference plane.

1194.26 Desktop and portable computers.

(a) All mechanically operated controls and keys shall comply with 1194.23 (k) (1) through (4).

(b) If a product utilizes touch screens or touch-operated controls, an input method shall be provided that complies with 1194.23 (k) (1) through (4).

(c) When biometric forms of user identification or control are used, an alternative form of identification or activation, which does not require the user to possess particular biological characteristics, shall also be provided.

(d) Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry

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standards.

1194.31 Functional performance criteria.

- (a) At least one mode of operation and information retrieval that does not require user vision shall be provided, or support for assistive technology used by people who are blind or visually impaired shall be provided.
- (b) At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently, or support for assistive technology used by people who are visually impaired shall be provided.
- (c) At least one mode of operation and information retrieval that does not require user hearing shall be provided, or support for assistive technology used by people who are deaf or hard of hearing shall be provided.
- (d) Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided.
- (e) At least one mode of operation and information retrieval that does not require user speech shall be provided, or support for assistive technology used by people with disabilities shall be provided.
- (f) At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and that is operable with limited reach and strength shall be provided.

1194.41 Information, documentation, and support.

- (a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge.
- (b) End-users shall have access to a description of the accessibility and compatibility features of products in alternate formats or alternate methods upon request, at no additional charge.
- (c) Support services for products shall accommodate the communication needs of end-users with disabilities.

(End of Clause)

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SECTION D - PACKAGING AND MARKING

| | <u>Regulatory Cite</u> | <u>Title</u> | <u>Date</u> |
|-----|------------------------|-------------------------------------|-------------|
| D-1 | 52.211-4517 (TACOM) | PACKAGING REQUIREMENTS (COMMERCIAL) | DEC/2007 |

(a) The preservation, packing, and marking requirements for this contract/order shall be accomplished in accordance with the performance requirements defined herein. The following Packaging requirements shall apply:

LEVEL OF PRESERVATION: Commercial

LEVEL OF PACKING: Commercial

QUANTITY PER UNIT PACKAGE: One (1)

(1) Packaging: Preservation, packaging, packing, unitization and marking furnished by the supplier shall provide protection for a minimum of one year and meet or exceed the following requirements. It also provides for multiple handling, redistribution and shipment by any mode.

(2) Cleanliness: Items shall be free of dirt and other contaminants which would contribute to the deterioration of the item or which would require cleaning by the customer prior to use. Coatings and preservatives applied to the item for protection are not considered contaminants.

(3) Preservation: Items susceptible to corrosion or deterioration shall be provided protection by means of preservative coatings, volatile corrosion inhibitors, desiccants, waterproof and/or watervaporproof barriers.

(4) Cushioning: Items requiring protection from physical and mechanical damage (e.g. fragile, sensitive, material critical) or which could cause physical damage to other items, shall be protected by wrapping, cushioning, pack compartmentalization, or other means to mitigate shock and vibration to prevent damage during handling and shipment.

(b) Unit Package: A unit package shall be so designed and constructed that it will contain the contents with no damage to the item(s), and with minimal damage to the unit pack during shipment and storage in the shipping container, and will allow subsequent handling. The outermost component of a unit package shall be a container such as a sealed bag, carton or box. Unit packs shall be designed to conserve weight and cube while retaining the protection required and enhancing standardization.

(c) Unit Package Quantity: Unless otherwise specified, the unit package quantity shall be one each part, set, assembly, kit, etc.

(d) Intermediate Package: Intermediate packaging is required whenever one or more of the following conditions exists:

- (1) The quantity is over one (1) gross of the same national stock number,
- (2) Use enhances handling and inventorying,
- (3) The exterior surfaces of the unit pack is a bag of any type, regardless of size,
- (4) The unit pack is less than 64 cubic inches,
- (5) The weight of the unit pack is under five (5) pounds and no dimension is over twelve (12) inches.

Intermediate containers shall be limited to a maximum of 100 unit packs, a net load of 40 pounds, or a maximum volume of 1.5 cubic feet, whichever occurs first.

(e) Packing:

(1) Unit packages and intermediate packages not meeting the requirements for a shipping container shall be packed in shipping containers. All shipping containers shall be the most cost effective and shall be of minimum cube to contain and protect the items.

(2) Shipping Containers: The shipping container (including any necessary blocking, bracing, cushioning, or waterproofing) shall comply with the regulations of the carrier used and shall provide safe delivery to the destination at the lowest tariff cost. The shipping container shall be capable of multiple handling, stacking at least ten feet high, and storage under favorable conditions (such as enclosed facilities) for a minimum of one year.

(f) Unitization: Shipments of identical items going to the same destination shall be palletized if they have a total cubic displacement of 50 cubic feet or more unless skids or other forklift handling features are included on the containers. Pallet loads must be stable, and to the greatest extent possible, provide a level top for ease of stacking. A palletized load shall be of a size to allow for placement of two loads high and wide in a conveyance. The weight capacity of the pallet must be adequate for the load. The preferred pallet is a 40 x 48 inch, 4-way entry pallet although variations may be permitted as dictated by the characteristics of the items being unitized. The load shall be contained in a manner that will permit safe handling during shipment and storage.

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(g) Marking:

(1) All unit packages, intermediate packs, exterior shipping containers, and, as applicable, unitized loads shall be marked in accordance with MIL-STD-129, Revision P, Change Notice 4, dated 19 Sep 2007, including bar coding and Military Shipment Label (MSL). The contractor is responsible for application of special markings as discussed in the Military Standard regardless of whether specified in the contract/order or not. Special markings include, but are not limited to, Shelf-life markings, structural markings, and transportation special handling markings. The marking of pilferable and sensitive materiel will not identify the nature of the materiel. Passive RFID tagging is required in all contracts that contain DFARS clause 252.211-7006. Contractors must check the solicitation and/or contract for this clause. For details and most recent information, see <http://www.acq.osd.mil/log/rfid/index.htm> for the current DoD Suppliers Passive RFID Information Guide and Supplier Implementation Plan. If the item has Unique Item Identifier (UII) markings then the concatenated UII needs to be 2D bar coded and applied on the unit package, intermediate and exterior containers, and the palletized unit load.

(h) Hazardous Materials (As applicable):

(1) Hazardous Materials is defined as a substance or waste which has been determined by the Secretary of Transportation to be capable of posing an unreasonable risk to health, safety, and property when transported in commerce and which has been so designated. (This includes all items listed as hazardous in Titles 29, 40 and 49 CFR and other applicable modal regulations effective at the time of shipment.)

(2) Packaging and marking for hazardous material shall comply with the requirements herein for the mode of transport and the applicable performance packaging contained in the following documents:

- International Air Transport Association (IATA) Dangerous Goods Regulations
- International Maritime Dangerous Goods Code (IMDG)
- Code of Federal Regulations (CFR) Title 29, Title 40 and Title 49
- Joint Service Regulation AFJMAN24-204(I)/TM38-250/NAVSUPPUB 505/MCO P4030.19(I)/DLAM 4145.3(I) (for military air shipments).

(3) If the shipment originates from outside the continental United States, the shipment shall be prepared in accordance with the United Nations Recommendations on the Transport of Dangerous Goods in a manner acceptable to the Competent Authority of the nation of origin and in accordance with regulations of all applicable carriers.

(4) A Product Material Safety Data Sheets (MSDS) is required to be included with every unit pack and intermediate container and shall be included with the packing list inside the sealed pouch attached to the outside of the package.

(i) Heat Treatment and Marking of Wood Packaging Materials: Boxes/pallets and any wood used as inner packaging made of non-manufactured wood shall be heat-treated. All WPM shall be constructed from heat treated (treated to 56 degrees Celsius -core temperature- for 30 minutes) lumber and certified by an accredited agency accredited by the ALSC in accordance with Wood Packaging Material Policy and Wood Packaging Material Enforcement Regulations (see URL: <http://www.alsc.org>). The box/pallet manufacturer and the manufacturer of wood used as inner packaging shall ensure traceability to the original source of heat treatment. Marking: Each box/pallet shall be marked to show the conformance to the International Plant Protection Convention Standard. The quality mark shall be placed on both ends of the outer packaging, between the end cleats or end battens. Pallet markings shall be applied to the stringer or block on diagonally opposite sides and ends of the pallet and be contrasting and clearly visible. All dunnage used in configuring and/or securing the load shall also comply with ISPM-15 and be marked with an ALSC approved dunnage stamp, marked at two foot intervals (in the case of dunnage shorter than 2 feet, each piece must still have the mark present). Foreign manufacturers shall have the heat treatment and marking of non-manufactured wood products verified in accordance with their National Plant Protection Organizations compliance program.

(j) Quality Assurance: The contractor is responsible for establishing a quality system. Full consideration to examinations, inspections, and tests will be given to ensure the acceptability of the commercial package.

(k) SUPPLEMENTAL INSTRUCTIONS:

(1) Unit marking will be in compliance with paragraph 4.1.1 of MIL-STD-129P. When a shipment requires more than one shipping container, markings will be in accordance with paragraph 5.2.14 of MIL-STD-129P, 1 of 2, 2 of 2. The nomenclature will be omitted from the exterior shipping container.

(2) Unit pack shall be quantity one complete FMTK Kit comprising of all components and accessories described in this SOW and one complete FMTK Supplement Kit. Paragraphs (a) through (j) above applies to each component of the kit for unit packaging. Items of ferrous metals packaged in VCI bags shall comply to the following: The bag shall be non-toxic, transparent, 4 MIL thick polyethylene film having a multi-metal Volatile Corrosion Inhibitor. Bag shall be fabricated in accordance with MIL-DTL-117 for a class-B bag, heat sealed. The compatibility provisions of MIL-J-8S74 apply.

(3) Shall be packed in sealed water proof packaging that is reusable, e.g., zip lock bag. The quantity per unit package for each

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component is one each or may be the quantity specified in the SOW as noted.

(4) Each component unit package shall be marked in accordance with 4.1.1 of MIL-STD\ 'b7129P at a minimum, Part Number, Nomenclature, Quantity and Unit of Issue. The complete kit shall be packed into a case; the type of case shall be in accordance with the contract or SOW.

(5) When a unit pack requires more than one case/shipping container, markings will be in accordance with paragraph 5.2.14 of MIL-STD-129P, 1 of X, 2 of X, with X being the total number of cases/containers.

(6) Mark M10 for the military preservation method per paragraph 4.1.1 of MIL-STD-129P. Each chest will be packed in a fiberboard box conforming to ASTM D5118 containing complete tool kit and case.

(7) Segregation of items within a case shall be accomplished by wraps, bags, dividers, boxes, container separation, tubes, skin or blister packs, sleeves or other approved means. When possible, items of likeness shall be located together within the case, such as socket with sockets and wrenches with wrenches.

(8) Items within interior tool storage compartments do not require preservation and packaging if placed in a dedicated position within the storage case, where there is no potential for corrosion or physical damage and can be identified by a layout plan.

(9) All items listed in the SOW called a Kit/Set shall be consolidated in one unit package and a packing list be provided, such as file set, socket set, punch set, etc. Each case will have a packing list for the entire kit per paragraph 5.3.1 of MIL\ 'b7STD-129.

(10) Items of a delicate nature shall not be subjected to damage from rugged items contained within the same case. Noncritical items of odd shapes or having sharp protrusions will not damage protective barriers. Shipping container shall meet the requirements outlined in paragraph (e)(2) of this clause.

(11) The Contractor shall furnish the contracting officer the shipping size and weight when the first unit pack is shipped. The nomenclature will be omitted from exterior of shipping container. Deliverables to the Government shall be sent via a method determined by the Contractor provided that method insures delivery in accordance with this SOW's requirements/timeframes.

[End of Clause]

| | | |
|---------------------------|--|-----------------------|
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Engineering Exceptions associated to the drawings, to which the product was manufactured. Upon completion of product inspection and acceptance by the Government Inspector, all drawings, specifications and Engineering Exceptions, will be returned to the Contractor.

If the contractor is not the actual manufacturer of the item being procured (i.e. dealer, distributor, etc.) the contractor shall ensure that subcontractor drawings are available for review to support the Government's inspection requirements.

(End of Clause)

Name of Offeror or Contractor:

SECTION F - DELIVERIES OR PERFORMANCE

Delivery Instructions and POC for (CLINs 0013AA (ISP), 0014AA (ASL), 0015AA (SSP) and 0024AA (FMTK))

Delivered to:

Commander (DODACC: W81R8T)
 YUMA Proving Ground
 Transportation Office, Bldg 2660
 Yuma, AZ 85365-9498
 FOR: MMPV Type II POR Logistics Support (POC Becky Hundley)
 POC: Marco A. Nixen
 MRAP/RC Team Leader
 COMM - 928-328-6083
 CELL - 928-920-4592
 DSN - 899-6083
 Email: mailto:marco.a.nixen.civ@mail.mil

Delivery Instructions for FAT TEST REPORT (CLINs 0026AA (LLRC ENGINE), 0027AA (LLRC TRANSMISSION), and 0028AA (LLRC T-CASE))

Delivered to:

Commander (DODACC: W56HZV)
 TACOM Warren
 Transportation Office, Bldg 270
 Office Symbol: AMSTA-LCL-ISP
 Warren, MI 48397-5000
 FOR: MMPV Type II POR Logistics Support (POC Nancy Erwin)
 POC: Nancy Erwin
 MRAP Packaging Specialist
 COMM - 586-282-1788
 DSN - 786-1788
 Email: mailto:nancy.p.erwin.civ@mail.mil

*** END OF NARRATIVE F0001 ***

This document incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at these addresses:

<http://farsite.hill.af.mil/VVFARA.HTM> or <http://farsite.hill.af.mil/VVDFARA.HTM> or <http://farsite.hill.af.mil/VFAFARA.HTM>

If the clause requires additional or unique information, then that information is provided immediately after the clause title.

| | <u>Regulatory Cite</u> | <u>Title</u> | <u>Date</u> |
|-----|------------------------|--|-------------|
| F-1 | 52.242-15 | STOP-WORK ORDER (AUG 1989) -- ALTERNATE I (APR 1984) | APR/1984 |
| F-2 | 52.242-15 | STOP-WORK ORDER | AUG/1989 |
| F-3 | 52.242-17 | GOVERNMENT DELAY OF WORK | APR/1984 |
| F-4 | 52.247-34 | F.O.B. DESTINATION | NOV/1991 |
| F-5 | 52.247-48 | F.O.B. DESTINATION--EVIDENCE OF SHIPMENT | FEB/1999 |
| F-6 | 52.247-55 | F.O.B. POINT FOR DELIVERY OF GOVERNMENT-FURNISHED PROPERTY | JUN/2003 |
| F-7 | 252.211-7007 | REPORTING OF GOVERNMENT-FURNISHED PROPERTY | AUG/2012 |
| F-8 | 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:

Name of Offeror or Contractor:

(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
SEE CLINS 0024AA/0026AA/0027AA/0028AA AND APPLICABLE CDRLS FOR DELIVERY REQUIREMENTS.

(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
SEE APPLICABLE CDRLS FOR DELIVERY SCHEDULE

(d) Accelerated delivery schedule -5- acceptable.

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

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SECTION G - CONTRACT ADMINISTRATION DATA

| Regulatory Cite | Title | Date |
|------------------|---|----------|
| G-1 252.232-7006 | WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS | MAY/2013 |

(a) Definitions. As used in this clause--

"Department of Defense Activity Address Code (DoDAAC)" is a six position code that uniquely identifies a unit, activity, or organization.

"Document type" means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

"Local processing office (LPO)" is the office responsible for payment certification when payment certification is done external to the entitlement system.

(b) Electronic invoicing. The WAWF system is the method to electronically process vendor payment requests and receiving reports, as authorized by DFARS 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.

(c) WAWF access. To access WAWF, the Contractor shall--

(1) Have a designated electronic business point of contact in the System for Award Management at <https://www.acquisition.gov>; and

(2) Be registered to use WAWF at <https://wawf.eb.mil/> following the step-by-step procedures for self-registration available at this Web site.

(d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the "Web Based Training" link on the WAWF home page at <https://wawf.eb.mil/>.

(e) WAWF methods of document submission. Document submissions may be via Web entry, Electronic Data Interchange, or File Transfer Protocol.

(f) WAWF payment instructions. The Contractor must use the following information when submitting payment requests and receiving reports in WAWF for this contract/order:

(1) Document type. The Contractor shall use the following document type(s) - Must be completed via two (2) submittals:

1. FFP - 2-in-1
2. CPFF - Cost Voucher (CV)

See Clause 52.232-4087 for fill ins (2-5) below:

(2) Inspection/acceptance location. The Contractor shall select the following inspection/acceptance location(s) in WAWF, as specified by the contracting officer.

-2-

(3) Document routing. The Contractor shall use the information in the Routing Data Table below only to fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

Routing Data Table*

| Field Name in WAWF | Data to be entered in WAWF |
|---------------------------|----------------------------|
| Pay Official DoDAAC | HQ0337 |
| Issue By DoDAAC | W56HZV |
| Admin DoDAAC | W56HZV |
| Inspect By DoDAAC | W56HZV |
| Ship To Code | W56HZV |
| Ship From Code | -8- |
| Mark For Code | MMPV TM & LOG |
| Service Approver (DoDAAC) | W56HZV |

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| | |
|---------------------------|--------|
| Service Acceptor (DoDAAC) | W56HZV |
| Accept at Other DoDAAC | -12- |
| LPO DoDAAC | -13- |
| DCAA Auditor DoDAAC | -14- |
| Other DoDAAC(s) | -15- |

(4) Payment request and supporting documentation. The Contractor shall ensure a payment request includes appropriate contract line item and subline item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all relevant back-up documentation, as defined in DFARS Appendix F, (e.g. timesheets) in support of each payment request.

(5) WAWF email notifications. The Contractor shall enter the email address identified below in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system.

James Bandy
mailto:James.P.Bandy4.civ@mail.mil

Charlena Echols
charlena.m.echols.civ@mail.mil

(g) WAWF point of contact. (1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity's WAWF point of contact.

-17-

(2) For technical WAWF help, contact the WAWF helpdesk at 866-618-5988.

(End of clause)

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|-----|--------------|---|----------|
| G-2 | 252.204-0005 | PAYMENT INSTRUCTIONS FOR THE DEFENSE FINANCE AND ACCOUNTING SERVICE | SEP/2009 |
| | (DFARS PGI) | (DFAS) - Line Item Specific: by Cancellation Date | |

The payment office shall make payment using the ACRN with the earliest cancellation date first, exhausting all funds in that ACRN before disbursing funds from the next. In the event there is more than one ACRN associated with the same cancellation date, the payment amount shall be disbursed from each ACRN with the same cancellation date in the same proportion as the amount of funding obligated for each ACRN with the same cancellation date.

[End of Clause]

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|-----|-------------|---|----------|
| G-3 | 52.232-4087 | PAYMENT UNDER WIDE AREA WORKFLOW (ACC WARREN) | AUG/2012 |
|-----|-------------|---|----------|

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

The document type the contractor shall use is as follows:

- "Combo" is entered if the award is for supplies or supplies and services are being delivered.
- "2in1" is entered if the award is strictly for services being provided/delivered.

USE THE FOLLOWING CODES TO ROUTE YOUR INVOICES THROUGH WAWF:

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

The paying office DoDAAC and mailing address is located on the first page of the award. To track the status of your invoice, click on

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the link, Pay status (myInvoice-External link) at the bottom of the left-hand menu.

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

[End of Clause]

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SECTION H - SPECIAL CONTRACT REQUIREMENTS

| | <u>Regulatory Cite</u> | <u>Title</u> | <u>Date</u> |
|-----|------------------------|---|-------------|
| H-1 | 252.222-7006 | RESTRICTIONS ON THE USE OF MANDATORY ARBITRATION AGREEMENTS | DEC/2010 |
| H-2 | 52.204-4005 | REQUIRED USE OF ELECTRONIC CONTRACTING | AUG/2012 |

(a) All contract awards, modifications and delivery orders issued by Army Contracting Command - Warren (DTA) will be issued electronically. The contractor has the option to receive these actions either via the Worldwide Web (WWW) or Electronic Data Interchange (EDI). Many provisions/clauses that appear "by reference," meaning only clause titles and regulation site are listed; their full texts can be found at the website <http://farsite.hill.af.mil/>

(b) In order to be eligible to receive an award under this solicitation, the successful offeror must be registered with the Department of Defense (DOD) System for Award Management (SAM). The SAM registration process may be done electronically at the World Wide Web (WWW) site: <https://www.sam.gov/portal/public/SAM>. (In order to be registered to use EDI, you must use the long form for registration. Certification information, including information on the EDI 838 TPP, must be furnished to the Contracting Officer within 60 calendar days after contract award to complete networking requirements within the Government.)

(c) Worldwide Web Distribution. The contractor will receive an electronic Notice of the Award, Modification, or Delivery Order via e-mail. If you choose the WWW option, you must download the file from the appropriate Army Contracting Command - Warren webpage:

Warren: http://contracting.tacom.army.mil/CFDATA/AWARDS/AWARD_RPT01.cfm
Rock Island - JMTC: <https://acquisition.army.mil/asfi/>
Red River Army Depot: <https://acquisition.army.mil/asfi/>
Anniston Army Depot: <https://acquisition.army.mil/asfi/>

(d) Electronic Data Interchange. If you choose to receive contract awards, modifications and delivery orders through EDI, they will be delivered electronically via the Federal Acquisition Network (FACNET). Federal Standard Version 3050 of Standard X12 from the American National Standards Institute (ANSI) will be used as the format for these electronic transactions.

(1) You must complete the EDI 838 Trading Partner Profile, and must agree (i) to subcontract with a DoD certified VAN or Value Added Service (VAS) provider, or (ii) to become DoD certified as a Value Added Network (VAN). The EDI 838 Training Partner Profile is contained in the basic SAM registration form and includes portions of the registration form which are titled "Optional".

(2) You must select a VAN from the official DoD approved list. DoD Certified VANs are listed at <http://www.acq.osd.mil/dpap/ebiz/VANs.htm>. If your VAN is later removed from the official list, or if you voluntarily drop your initially selected VAN, then you must switch to a VAN that remains on the official DoD approved list. You must maintain an active account on a DoD approved VAN for the entire duration of the contract, beginning no later than the 60th day after award.

(e) Unless otherwise specified elsewhere in the contract, all data items you are required to provide under this contract must be submitted electronically. Please go to the following webpage for detailed information about submitting your offer electronically: <http://contracting.tacom.army.mil/acqinfo/ebidnotice.htm>

(f) Additional information can be obtained by sending a message to: usarmy.detroit.acc.mbx.wrn-web-page@mail.mil or by calling (586) 282-7059.

| | | | |
|-----|------------------------|---|----------|
| H-3 | 52.245-4000 (TACOM) | ACCOUNTABILITY OF ITEMS UNDER OVERHAUL/MAINTENANCE/REPAIR CONTRACTS | MAR/2013 |
|-----|------------------------|---|----------|

The contractor shall forward information required by the Contract Data Requirements List (CDRL) IAW the required distribution. The Data Item Description (DID) may be found at the following website: <https://assist.daps.dla.mil/quicksearch/>, reference DI-MGMT-80442, Report of Receipts, Inventory, Adjustments, and Shipments of Government Property. Upon receipt of Government assets, notification of receipt must be provided within 30 days detailing the NSN, document number, quantity, and date of receipt for assets sent to the contractor in support of an overhaul/maintenance/repair program. Receipt can be in the form of a signed 1348, Bill of Lading or another type of shipping document receipt. Submit the referenced report in the required interval via email to: usarmy.detroit.tacom.mbx.ilsc-contractor-accountability-team@mail.mil.

This information will account for Government assets while in the possession of the contractor until they are returned to the Government or its representative.

All shipping documentation accompanying repaired assets returned to the Government must have the following statement annotated in the remarks portion of the shipping document: RETURN FROM REPAIR, MARK FOR: (Insert the document number under which the assets were received

| | | |
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at the contractor location). NOTE: The quantity shipped under each document number must not exceed the quantity received under that same document number.

Discrepancies shall be distinguished and reported as one of the following:

(1) Shipping Type Discrepancy: This discrepancy is evident when freight received does not agree with the supply shipping documents. See DI-MGMT-80503, SF364, Report of Shipping (Item) and Packaging Discrepancy. Submit your report through the Department of Defense (DoD) WEBSDR system. You must first get access to WEBSDR by going to: <https://www.daas.dla.mil/daashome/websdr.asp>. Click on the link: System Access Request. Follow the prompts. Once in, choose the option WEBSDR from the menu (CAC required). There is also WEBSDR help desk information available at the above web site for system issues and help.

(2) Transportation Type Discrepancy. Reference DI-MGMT-80554, SF361, Transportation Discrepancy Report (TDR). TDRs are created to document the loss or damage to Government materiel to support the filing of claims against carriers for Government reimbursement. Submit email to: tacom-lcmc.ilsc_packaging@mail.mil.

For repair contracts where Government Furnished Materiel (GFM) or Government Furnished Property (GFP) is part of the contract:

(1) Receipt Acknowledgement: Shall be in the format of a DRA. Reference Appendix 3.29 of DoD 4000.25-2-M for format. Submit to: usarmy.detroit.tacom.mbx.ilsc-mca@mail.mil for GFM or usarmy.detroit.tacom.mbx.ilsc-gvt-furnished-property-team@mail.mil for GFP.

(2) Requisitions for GFM are currently input by TACOM personnel via LMP based on NSNs and authorized quantities supplied by the Contract Specialist.

(3) Government Furnished Materiel (GFM) for consumption/incorporation. The contractor is required to submit data monthly during the contract performance period to the supporting Management Control Activity (MCA) mailbox: usarmy.detroit.tacom.mbx.ilsc-mca@mail.mil. The notification shall be via BZE transaction. Reference DI-MGMT-80438B for additional information.

Excess GFM Reporting: In accordance with the FAR, subpart 45.6, the plant clearance officer will determine the categories of screening required and initiate screening action.

For weapon serialization, please see the format provided in DI-MISC-80914B.

[End of Clause]

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SECTION I - CONTRACT CLAUSES

This document incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at these addresses:

<http://farsite.hill.af.mil/VFFARA.HTM> or <http://farsite.hill.af.mil/VDFARA.HTM> or <http://farsite.hill.af.mil/VFAFARA.HTM>

If the clause requires additional or unique information, then that information is provided immediately after the clause title.

| | <u>Regulatory Cite</u> | <u>Title</u> | <u>Date</u> |
|------|------------------------|--|-------------|
| I-1 | 52.202-1 | DEFINITIONS | NOV/2013 |
| I-2 | 52.203-3 | GRATUITIES | APR/1984 |
| I-3 | 52.203-5 | COVENANT AGAINST CONTINGENT FEES | APR/1984 |
| I-4 | 52.203-6 | RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT | SEP/2006 |
| I-5 | 52.203-7 | ANTI-KICKBACK PROCEDURES | OCT/2010 |
| I-6 | 52.203-8 | CANCELLATION, RESCISSION, AND RECOVERY OF FUNDS FOR ILLEGAL OR IMPROPER ACTIVITY | JAN/1997 |
| I-7 | 52.203-10 | PRICE OR FEE ADJUSTMENT FOR ILLEGAL OR IMPROPER ACTIVITY | JAN/1997 |
| I-8 | 52.203-12 | LIMITATION ON PAYMENTS TO INFLUENCE CERTAIN FEDERAL TRANSACTIONS | OCT/2010 |
| I-9 | 52.204-4 | PRINTED OR COPIED DOUBLE-SIDED ON POSTCONSUMER FIBER CONTENT PAPER | MAY/2011 |
| I-10 | 52.204-9 | PERSONAL IDENTITY VERIFICATION OF CONTRACTOR PERSONNEL | JAN/2011 |
| I-11 | 52.204-10 | REPORTING EXECUTIVE COMPENSATION AND FIRST-TIER SUBCONTRACT AWARDS | JUL/2013 |
| I-12 | 52.204-13 | SYSTEM FOR AWARD MANAGEMENT MAINTENANCE | JUL/2013 |
| I-13 | 52.209-6 | PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT | AUG/2013 |
| I-14 | 52.209-9 | UPDATES OF PUBLICLY AVAILABLE INFORMATION REGARDING RESPONSIBILITY MATTERS | JUL/2013 |
| I-15 | 52.210-1 | MARKET RESEARCH | APR/2011 |
| I-16 | 52.211-5 | MATERIAL REQUIREMENTS | AUG/2000 |
| I-17 | 52.211-15 | DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS | APR/2008 |
| I-18 | 52.215-2 | AUDIT AND RECORDS--NEGOTIATIONS | OCT/2010 |
| I-19 | 52.215-8 | ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT | OCT/1997 |
| I-20 | 52.215-14 | INTEGRITY OF UNIT PRICES (OCT 2010) -- ALTERNATE I (OCT 1997) | OCT/1997 |
| I-21 | 52.215-23 | LIMITATIONS ON PASS-THROUGH CHARGES | OCT/2009 |
| I-22 | 52.216-8 | FIXED FEE | JUN/2011 |
| I-23 | 52.219-8 | UTILIZATION OF SMALL BUSINESS CONCERNS | JUL/2013 |
| I-24 | 52.222-1 | NOTICE TO THE GOVERNMENT OF LABOR DISPUTES | FEB/1997 |
| I-25 | 52.222-19 | CHILD LABOR--COOPERATION WITH AUTHORITIES AND REMEDIES | NOV/2013 |
| I-26 | 52.222-20 | WALSH-HEALEY PUBLIC CONTRACTS ACT | OCT/2010 |
| I-27 | 52.222-21 | PROHIBITION OF SEGREGATED FACILITIES | FEB/1999 |
| I-28 | 52.222-26 | EQUAL OPPORTUNITY | MAR/2007 |
| I-29 | 52.222-35 | EQUAL OPPORTUNITY FOR VETERANS | SEP/2010 |
| I-30 | 52.222-36 | AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES | OCT/2010 |
| I-31 | 52.222-37 | EMPLOYMENT REPORTS ON VETERANS | SEP/2010 |
| I-32 | 52.222-40 | NOTIFICATION OF EMPLOYEE RIGHTS UNDER THE NATIONAL LABOR RELATIONS ACT | DEC/2010 |
| I-33 | 52.222-41 | SERVICE CONTRACT ACT OF 1965 | NOV/2007 |
| I-34 | 52.222-43 | FAIR LABOR STANDARDS ACT AND SERVICE CONTRACT ACT--PRICE ADJUSTMENT (MULTIPLE YEAR AND OPTION CONTRACTS) | SEP/2009 |
| I-35 | 52.222-44 | FAIR LABOR STANDARDS ACT AND SERVICE CONTRACT ACT--PRICE ADJUSTMENT | SEP/2009 |
| I-36 | 52.222-50 | COMBATING TRAFFICKING IN PERSONS | FEB/2009 |
| I-37 | 52.222-54 | EMPLOYMENT ELIGIBILITY VERIFICATION | AUG/2013 |
| I-38 | 52.223-2 | AFFIRMATIVE PROCUREMENT OF BIOBASED PRODUCTS UNDER SERVICE AND CONSTRUCTION CONTRACTS | SEP/2013 |
| I-39 | 52.223-18 | ENCOURAGING CONTRACTOR POLICIES TO BAN TEXT MESSAGING WHILE DRIVING | AUG/2011 |
| I-40 | 52.225-13 | RESTRICTIONS ON CERTAIN FOREIGN PURCHASES | JUN/2008 |
| I-41 | 52.227-1 | AUTHORIZATION AND CONSENT | DEC/2007 |
| I-42 | 52.227-2 | NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT | DEC/2007 |
| I-43 | 52.228-7 | INSURANCE--LIABILITY TO THIRD PERSONS | MAR/1996 |
| I-44 | 52.229-4 | FEDERAL, STATE, AND LOCAL TAXES (STATE AND LOCAL ADJUSTMENTS) | FEB/2013 |
| I-45 | 52.232-1 | PAYMENTS | APR/1984 |
| I-46 | 52.232-8 | DISCOUNTS FOR PROMPT PAYMENT | FEB/2002 |

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| I-47 | 52.232-11 | EXTRAS | APR/1984 |
| I-48 | 52.232-17 | INTEREST | OCT/2010 |
| I-49 | 52.232-20 | LIMITATION OF COST | APR/1984 |
| I-50 | 52.232-23 | ASSIGNMENT OF CLAIMS (JAN 1986) -- ALTERNATE I (APR 1984) | APR/1984 |
| I-51 | 52.232-25 | PROMPT PAYMENT | JUL/2013 |
| I-52 | 52.232-33 | PAYMENT BY ELECTRONIC FUNDS TRANSFER--SYSTEM FOR AWARD MANAGEMENT | JUL/2013 |
| I-53 | 52.232-39 | UNENFORCEABILITY OF UNAUTHORIZED OBLIGATIONS | JUN/2013 |
| I-54 | 52.233-1 | DISPUTES | JUL/2002 |
| I-55 | 52.233-3 | PROTEST AFTER AWARD | AUG/1996 |
| I-56 | 52.233-3 | PROTEST AFTER AWARD (AUG 1996) -- ALTERNATE I (JUN 1985) | JUN/1985 |
| I-57 | 52.233-4 | APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM | OCT/2004 |
| I-58 | 52.237-3 | CONTINUITY OF SERVICES | JAN/1991 |
| I-59 | 52.242-1 | NOTICE OF INTENT TO DISALLOW COSTS | APR/1984 |
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| I-127 | 252.247-7023 | TRANSPORTATION OF SUPPLIES BY SEA | JUN/2013 |
| I-128 | 52.209-3 | FIRST ARTICLE APPROVAL -- CONTRACTOR TESTING (SEP 1989) -- ALTERNATE I (JAN 1997) AND ALTERNATE II (SEP 1989) | SEP/1989 |

(a) The Contractor shall test one each unit(s) of CLIN 0026AA (FAT - LLRC ENGINE), CLIN 0027AA (FAT - LLRC TRANSMISSION), and CLIN 0028AA (FAT - LLRC T-CASE) as specified in this contract. At least 60 calendar days before the beginning of first article tests, the Contractor shall notify the Contracting Officer, in writing, of the time and location of the testing so that the Government may witness the tests.

(b) The Contractor shall submit the first article test report within 90 calendar days from the from the approval of TEST PLAN to SEE SECTION F marked First Article Test Report: Contract No. W56HZV-13-R-0411 Lot/Item No. CLIN 0026AA (FAT - LLRC ENGINE), CLIN 0027AA (FAT - LLRC TRANSMISSION), and CLIN 0028AA (FAT - LLRC T-CASE). Within 15 calendar days after the Government receives the test report, the Contracting Officer shall notify the Contractor, in writing, of the conditional approval, approval, or disapproval of the first article. The notice of conditional approval or approval shall not relieve the Contractor from complying with all requirements of the specifications and all other terms and conditions of this contract. A notice of conditional approval shall state any further action required of the Contractor. A notice of disapproval shall cite reasons for the disapproval.

(c) If the first article is disapproved, the Contractor, upon Government request, shall repeat any or all first article tests. After each request for additional tests, the Contractor shall make any necessary changes, modifications, or repairs to the first article or select another first article for testing. All costs related to these tests are to be borne by the Contractor, including any and all costs for additional tests following a disapproval. The Contractor shall then conduct the tests and deliver another report to the Government under the terms and conditions and within the time specified by the Government. The Government shall take action on this report within the time specified in paragraph (b) above. The Government reserves the right to require an equitable adjustment of the contract price for any extension of the delivery schedule, or for any additional costs to the Government related to these tests.

(d) If the Contractor fails to deliver any first article report on time, or the Contracting Officer disapproves any first article, the Contractor shall be deemed to have failed to make delivery within the meaning of the Default clause of this contract.

(e) Unless otherwise provided in the contract, and if the approved first article is not consumed or destroyed in testing, the Contractor may deliver the approved first article as part of the contract quantity if it meets all contract requirements for acceptance.

(f) If the Government does not act within the time specified in paragraph (b) or (c) above, the Contracting Officer shall, upon timely written request from the Contractor, equitably adjust under the changes clause of this contract the delivery or performance dates and/or the contract price, and any other contractual term affected by the delay.

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(g) Before first article approval, the Contracting Officer may, by written authorization, authorize the Contractor to acquire specific materials or components or to commence production to the extent essential to meet the delivery schedules. Until first article approval is granted, only costs for the first article and costs incurred under this authorization are allocable to this contract for

(1) progress payments, or

(2) termination settlements if the contract is terminated for the convenience of the Government. If first article tests reveal deviations from contract requirements, the Contractor shall, at the location designated by the Government, make the required changes or replace all items produced under this contract at no change in the contract price.

(h) The Government may waive the requirement for first article approval test where supplies identical or similar to those called for in the schedule have been previously furnished by the offeror/contractor and have been accepted by the Government. The offeror/contractor may request a waiver.

(i) The Contractor shall produce both the first article and the production quantity at the same facility.

(End of Clause)

I-129 52.209-4 FIRST ARTICLE APPROVAL -- GOVERNMENT TESTING (SEP 1989) -- ALTERNATE SEP/1989
I (JAN 1997) AND ALTERNATE II (SEP 1989)

(a) The Contractor shall deliver one (1) each CLIN 0024AA (FAT FMTK) within 90 calendar days after PVT testing is complete to the Government at SEE SECTION F for first article tests. The shipping documentation shall contain this contract number and the Lot/Item identification. The characteristics that the first article must meet and the testing requirements are specified elsewhere in this contract.

(b) Within 15 calendar days after the Government receives the first article, the Contracting Officer shall notify the Contractor, in writing, of the conditional approval, approval, or disapproval of the first article. The notice of conditional approval or approval shall not relieve the Contractor from complying with all requirements of the specifications and all other terms and conditions of this contract. A notice of conditional approval shall state any further action required of the Contractor. A notice of disapproval shall cite reasons for the disapproval.

(c) If the first article is disapproved, the Contractor, upon Government request, shall submit an additional first article for testing. After each request, the Contractor shall make any necessary changes, modifications, or repairs to the first article or select another first article for testing. All costs related to these tests are to be borne by the Contractor, including any and all costs for additional tests following a disapproval. The Contractor shall furnish any additional first article to the Government under the terms and conditions and within the time specified by the Government. The Government shall act on this first article within the time limit specified in paragraph (b) of this clause. The Government reserves the right to require an equitable adjustment of the contract price for any extension of the delivery schedule or for any additional costs to the Government related to these tests.

(d) If the Contractor fails to deliver any first article on time, or the Contracting Officer disapproves any first article, the Contractor shall be deemed to have failed to make delivery within the meaning of the Default clause of this contract.

(e) Unless otherwise provided in the contract, the Contractor --

(1) May deliver the approved first article as a part of the contract quantity, provided it meets all contract requirements for acceptance and was not consumed or destroyed in testing; and

(2) Shall remove and dispose of any first article from the Government test facility at the Contractors expense.

(f) If the Government does not act within the time specified in paragraph (b) or (c) of this clause, the Contracting Officer shall, upon timely written request from the Contractor, equitably adjust under the Changes clause of this contract the delivery or performance dates and/or the contract price, and any other contractual term affected by the delay.

(g) The Contractor is responsible for providing operating and maintenance instructions, spare parts support, and repair of the first article during any first article test.

(h) Before first article approval, the Contracting Officer may, by written authorization, authorize the Contractor to acquire specific materials or components or to commence production to the extent essential to meet the delivery schedules. Until first article approval is granted, only costs for the first article and costs incurred under this authorization are allocable to this contract for

(1) progress payments, or

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(2) termination settlements if the contract is terminated for the convenience of the Government.

If first article tests reveal deviations from contract requirements, the Contractor shall, at the location designated by the Government, make the required changes or replace all items produced under this contract at no change in the contract price.

(i) The Government may waive the requirement for first article approval test where supplies identical or similar to those called for in the schedule have been previously furnished by the Offeror/Contractor and have been accepted by the Government. The Offeror/Contractor may request a waiver.

(j) The Contractor shall produce both the first article and the production quantity at the same facility.

(End of Clause)

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52.216-7

ALLOWABLE COST AND PAYMENT

JUN/2013

(a) Invoicing.

(1) The Government will make payments to the Contractor when requested as work progresses, but (except for small business concerns) not more often than once every 2 weeks, in amounts determined to be allowable by the Contracting Officer in accordance with Federal Acquisition Regulation (FAR) Subpart 31.2 in effect on the date of this contract and the terms of this contract. The Contractor may submit to an authorized representative of the Contracting Officer, in such form and reasonable detail as the representative may require, an invoice or voucher supported by a statement of the claimed allowable cost for performing this contract.

(2) Contract financing payments are not subject to the interest penalty provisions of the Prompt Payment Act. Interim payments made prior to the final payment under the contract are contract financing payments, except interim payments if this contract contains Alternate I to the clause at 52.232-25.

(3) The designated payment office will make interim payments for contract financing on the 30th day after the designated billing office receives a proper payment request. In the event that the Government requires an audit or other review of a specific payment request to ensure compliance with the terms and conditions of the contract, the designated payment office is not compelled to make payment by the specified due date.

(b) Reimbursing costs.

(1) For the purpose of reimbursing allowable costs (except as provided in subparagraph (b)(2) of this clause, with respect to pension, deferred profit sharing, and employee stock ownership plan contributions), the term costs includes only --

(i) Those recorded costs that, at the time of the request for reimbursement, the Contractor has paid by cash, check, or other form of actual payment for items or services purchased directly for the contract;

(ii) When the Contractor is not delinquent in paying costs of contract performance in the ordinary course of business, costs incurred, but not necessarily paid, for --

(A) Supplies and services purchased directly for the contract and associated financing payments to subcontractors, provided payments determined due will be made

(1) In accordance with the terms and conditions of a subcontract or invoice; and

(2) Ordinarily within 30 days of the submission of the Contractors payment request to the Government;

(B) Materials issued from the Contractors inventory and placed in the production process for use on the contract;

(C) Direct labor;

(D) Direct travel;

(E) Other direct in-house costs; and

(F) Properly allocable and allowable indirect costs, as shown in the records maintained by the Contractor for purposes of obtaining reimbursement under Government contracts; and

(iii) The amount of financing payments that have been paid by cash, check or other form of payment to subcontractors.

(2) Accrued costs of Contractor contributions under employee pension plans shall be excluded until actually paid unless

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(i) The Contractors practice is to make contributions to the retirement fund quarterly or more frequently; and

(ii) The contribution does not remain unpaid 30 days after the end of the applicable quarter or shorter payment period (any contribution remaining unpaid shall be excluded from the Contractors indirect costs for payment purposes).

(3) Notwithstanding the audit and adjustment of invoices or vouchers under paragraph (g) of this clause, allowable indirect costs under this contract shall be obtained by applying indirect cost rates established in accordance with paragraph (d) of this clause.

(4) Any statements in specifications or other documents incorporated in this contract by reference designating performance of services or furnishing of materials at the Contractors expense or at no cost to the Government shall be disregarded for purposes of cost-reimbursement under this clause.

(c) Small business concerns. A small business concern may receive more frequent payments than every 2 weeks.

(d) Final indirect cost rates.

(1) Final annual indirect cost rates and the appropriate bases shall be established in accordance with Subpart 42.7 of the Federal Acquisition Regulation (FAR) in effect for the period covered by the indirect cost rate proposal.

(2)(i) The Contractor shall submit an adequate final indirect cost rate proposal to the Contracting Officer (or cognizant Federal agency official) and auditor within the 6-month period following the expiration of each of its fiscal years. Reasonable extensions, for exceptional circumstances only, may be requested in writing by the Contractor and granted in writing by the Contracting Officer. The Contractor shall support its proposal with adequate supporting data.

(ii) The proposed rates shall be based on the Contractors actual cost experience for that period. The appropriate Government representative and the Contractor shall establish the final indirect cost rates as promptly as practical after receipt of the Contractors proposal.

(iii) An adequate indirect cost rate proposal shall include the following data unless otherwise specified by the cognizant Federal agency official:

(A) Summary of all claimed indirect expense rates, including pool, base, and calculated indirect rate.

(B) General and Administrative expenses (final indirect cost pool). Schedule of claimed expenses by element of cost as identified in accounting records (Chart of Accounts).

(C) Overhead expenses (final indirect cost pool). Schedule of claimed expenses by element of cost as identified in accounting records (Chart of Accounts) for each final indirect cost pool.

(D) Occupancy expenses (intermediate indirect cost pool). Schedule of claimed expenses by element of cost as identified in accounting records (Chart of Accounts) and expense reallocation to final indirect cost pools.

(E) Claimed allocation bases, by element of cost, used to distribute indirect costs.

(F) Facilities capital cost of money factors computation.

(G) Reconciliation of books of account (i.e., General Ledger) and claimed direct costs by major cost element.

(H) Schedule of direct costs by contract and subcontract and indirect expense applied at claimed rates, as well as a subsidiary schedule of Government participation percentages in each of the allocation base amounts.

(I) Schedule of cumulative direct and indirect costs claimed and billed by contract and subcontract.

(J) Subcontract information. Listing of subcontracts awarded to companies for which the contractor is the prime or upper-tier contractor (include prime and subcontract numbers; subcontract value and award type; amount claimed during the fiscal year; and the subcontractor name, address, and point of contact information).

(K) Summary of each time-and-materials and labor-hour contract information, including labor categories, labor rates, hours, and amounts; direct materials; other direct costs; and, indirect expense applied at claimed rates.

(L) Reconciliation of total payroll per IRS form 941 to total labor costs distribution.

(M) Listing of decisions/agreements/approvals and description of accounting/organizational changes.

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(N) Certificate of final indirect costs (see 52.242-4, Certification of Final Indirect Costs).

(O) Contract closing information for contracts physically completed in this fiscal year (include contract number, period of performance, contract ceiling amounts, contract fee computations, level of effort, and indicate if the contract is ready to close).

(iv) The following supplemental information is not required to determine if a proposal is adequate, but may be required during the audit process:

(A) Comparative analysis of indirect expense pools detailed by account to prior fiscal year and budgetary data.

(B) General Organizational information and limitation on allowability of compensation for certain contractor personnel. See 31.205-6(p). Additional salary reference information is available at [://www.whitehouse.gov/omb/procurement_index_exec_comp/](http://www.whitehouse.gov/omb/procurement_index_exec_comp/).

(C) Identification of prime contracts under which the contractor performs as a subcontractor.

(D) Description of accounting system (excludes contractors required to submit a CAS Disclosure Statement or contractors where the description of the accounting system has not changed from the previous year's submission).

(E) Procedures for identifying and excluding unallowable costs from the costs claimed and billed (excludes contractors where the procedures have not changed from the previous year's submission).

(F) Certified financial statements and other financial data (e.g., trial balance, compilation, review, etc.).

(G) Management letter from outside CPAs concerning any internal control weaknesses.

(H) Actions that have been and/or will be implemented to correct the weaknesses described in the management letter from subparagraph (G) of this section.

(I) List of all internal audit reports issued since the last disclosure of internal audit reports to the Government.

(J) Annual internal audit plan of scheduled audits to be performed in the fiscal year when the final indirect cost rate submission is made.

(K) Federal and State income tax returns.

(L) Securities and Exchange Commission 10-K annual report.

(M) Minutes from board of directors meetings.

(N) Listing of delay claims and termination claims submitted which contain costs relating to the subject fiscal year.

(O) Contract briefings, which generally include a synopsis of all pertinent contract provisions, such as: Contract type, contract amount, product or service(s) to be provided, contract performance period, rate ceilings, advance approval requirements, pre-contract cost allowability limitations, and billing limitations.

(v) The Contractor shall update the billings on all contracts to reflect the final settled rates and update the schedule of cumulative direct and indirect costs claimed and billed, as required in paragraph (d)(2)(iii)(I) of this section, within 60 days after settlement of final indirect cost rates.

(3) The Contractor and the appropriate Government representative shall execute a written understanding setting forth the final indirect cost rates. The understanding shall specify

(i) the agreed-upon final annual indirect cost rates,

(ii) the bases to which the rates apply,

(iii) the periods for which the rates apply,

(iv) any specific indirect cost items treated as direct costs in the settlement, and

(v) the affected contract and/or subcontract, identifying any with advance agreements or special terms and the applicable rates.

The understanding shall not change any monetary ceiling, contract obligation, or specific cost allowance or disallowance provided

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for in this contract. The understanding is incorporated into this contract upon execution.

(4) Failure by the parties to agree on a final annual indirect cost rate shall be a dispute within the meaning of the Disputes clause.

(5) Within 120 days (or longer period if approved in writing by the Contracting Officer) after settlement of the final annual indirect cost rates for all years of a physically complete contract, Contractor shall submit a completion invoice or voucher to reflect the settled amounts and rates. The completion invoice or voucher shall include settled subcontract amounts and rates. The prime contractor is responsible for settling subcontractor amounts and rates included in the completion invoice or voucher and providing status of subcontractor audits to the contracting officer upon request.

(6)(i) If the Contractor fails to submit a completion invoice or voucher within the time specified in paragraph (d)(5) of this clause, the Contracting Officer may--

(A) Determine the amounts due to the Contractor under the contract; and

(B) Record this determination in a unilateral modification to the contract.

(ii) This determination constitutes the final decision of the Contracting Officer in accordance with the Disputes clause.

(e) Billing rates. Until final annual indirect cost rates are established for any period, the Government shall reimburse the Contractor at billing rates established by the Contracting Officer or by an authorized representative (the cognizant auditor), subject to adjustment when the final rates are established. These billing rates --

(1) Shall be the anticipated final rates; and

(2) May be prospectively or retroactively revised by mutual agreement, at either party's request, to prevent substantial overpayment or underpayment.

(f) Quick-closeout procedures. Quick-closeout procedures are applicable when the conditions in FAR 42.708(a) are satisfied.

(g) Audit. At any time or times before final payment, the Contracting Officer may have the Contractor's invoices or vouchers and statements of cost audited. Any payment may be --

(1) Reduced by amounts found by the Contracting Officer not to constitute allowable costs; or

(2) Adjusted for prior overpayments or underpayments.

(h) Final payment.

(1) Upon approval of a completion invoice or voucher submitted by the Contractor in accordance with paragraph (d)(5) of this clause, and upon the Contractor's compliance with all terms of this contract, the Government shall promptly pay any balance of allowable costs and that part of the fee (if any) not previously paid.

(2) The Contractor shall pay to the Government any refunds, rebates, credits, or other amounts (including interest, if any) accruing to or received by the Contractor or any assignee under this contract, to the extent that those amounts are properly allocable to costs for which the Contractor has been reimbursed by the Government. Reasonable expenses incurred by the Contractor for securing refunds, rebates, credits, or other amounts shall be allowable costs if approved by the Contracting Officer. Before final payment under this contract, the Contractor and each assignee whose assignment is in effect at the time of final payment shall execute and deliver --

(i) An assignment to the Government, in form and substance satisfactory to the Contracting Officer, of refunds, rebates, credits, or other amounts (including interest, if any) properly allocable to costs for which the Contractor has been reimbursed by the Government under this contract; and

(ii) A release discharging the Government, its officers, agents, and employees from all liabilities, obligations, and claims arising out of or under this contract, except --

(A) Specified claims stated in exact amounts, or in estimated amounts when the exact amounts are not known;

(B) Claims (including reasonable incidental expenses) based upon liabilities of the Contractor to third parties arising out of the performance of this contract; provided, that the claims are not known to the Contractor on the date of the execution of the release, and that the Contractor gives notice of the claims in writing to the Contracting Officer within 6 years following the release date or notice of final payment date, whichever is earlier; and

(C) Claims for reimbursement of costs, including reasonable incidental expenses, incurred by the Contractor under the patent

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clauses of this contract, excluding, however, any expenses arising from the Contractors indemnification of the Government against patent liability.

(End of Clause)

I-131 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 30 days.

(End of Clause)

I-132 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 TBD or the overtime premium is paid for work --

(1) Necessary to cope with emergencies such as those resulting from accidents, natural disasters, breakdowns of production equipment, or occasional production bottlenecks of a sporadic nature;

(2) By indirect-labor employees such as those performing duties in connection with administration, protection, transportation, maintenance, standby plant protection, operation of utilities, or accounting;

(3) To perform tests, industrial processes, laboratory procedures, loading or unloading of transportation conveyances, and operations in flight or afloat that are continuous in nature and cannot reasonably be interrupted or completed otherwise; or

(4) That will result in lower overall costs to the Government.

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

(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-133 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 |
|----------------|----------------------------------|
| TBD | TBD |
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(End of Clause)

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I-134 52.229-7 TAXES--FIXED-PRICE CONTRACTS WITH FOREIGN GOVERNMENTS FEB/2013

(a) Contract date, as used in this clause, means the date set for bid opening or, if this is a negotiated contract or a modification, the effective date of this contract or modification.

(b)(1) The contract price, including the prices in any subcontracts under this contract, does not include any tax or duty that the Government of the United States and the Government of Canada have agreed shall not apply to expenditures made by the United States in Canada, or any tax or duty not applicable to this contract or any subcontracts under this contract, pursuant to the laws of Canada. If any such tax or duty has been included in the contract price, through error or otherwise, the contract price shall be correspondingly reduced.

(2) Taxes imposed under 26 U.S.C. 5000C may not be included in the contract price.

(c) If, after the contract date, the Government of the United States and the Government of Canada agree that any tax or duty included in the contract price shall not apply to expenditures by the United States in Canada, the contract price shall be reduced accordingly.

(d) No adjustment shall be made in the contract price under this clause unless the amount of the adjustment exceeds \$250.

(End of Clause)

I-135 52.244-2 SUBCONTRACTS OCT/2010

(a) Definitions. As used in this clause

Approved purchasing system means a Contractor's purchasing system that has been reviewed and approved in accordance with Part 44 of the Federal Acquisition Regulation (FAR)

Consent to subcontract means the Contracting Officer's written consent for the Contractor to enter into a particular subcontract.

Subcontract means any contract, as defined in FAR Subpart 2.1, entered into by a subcontractor to furnish supplies or services for performance of the prime contract or a subcontract. It includes, but is not limited to, purchase orders, and changes and modifications to purchase orders.

(b) When this clause is included in a fixed-price type contract, consent to subcontract is required only on unpriced contract actions (including unpriced modifications or unpriced delivery orders), and only if required in accordance with paragraph (c) or (d) or this clause.

(c) If the contractor does not have an approved purchasing system, consent to subcontract is required for any subcontract that--

(1) Is of the cost-reimbursement, time-and-materials, or labor-hour type; or

(2) Is fixed-price and exceeds

(i) For a contract awarded by the Department of Defense, the Coast Guard, or the national Aeronautics and Space Administration, the greater of the simplified acquisition threshold or 5 percent of the total estimated cost of the contract; or

(ii) For contracts awarded by a civilian agency other than the Coast Guard and the National Aeronautics and Space Administration, either the simplified acquisition threshold or 5 percent of the total estimated cost of the contract.

(d) If the Contractor has an approved purchasing system, the Contractor nevertheless shall obtain the Contracting Officer's written consent before placing the following subcontracts: TBD.

(e)(1) The Contractor shall notify the Contracting Officer reasonably in advance of placing any subcontract or modification thereof for which consent is required under paragraph (b), (c), or (d) of this clause, including the following information:

(i) A description of the supplies or services to be subcontracted.

(ii) Identification of the type of subcontract to be used.

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(iii) Identification of the proposed subcontractor.

(iv) The proposed subcontract price.

(v) The subcontractor's current, complete, and accurate certified cost or pricing data and Certificate of Current Cost or Pricing Data, if required by other contract provisions.

(vi) The subcontractor's Disclosure Statement or Certificate relating to Cost Accounting Standards when such data are required by other provisions of this contract.

(vii) A negotiation memorandum reflecting --

(A) The principal elements of the subcontract price negotiations;

(B) The most significant considerations controlling establishment of initial or revised prices;

(C) The reason certified cost or pricing data were or were not required;

(D) The extent, if any, to which the Contractor did not rely on the subcontractor's certified cost or pricing data in determining the price objective and in negotiating the final price;

(E) The extent to which it was recognized in the negotiation that the subcontractor's certified cost or pricing data were not accurate, complete, or current; the action taken by the Contractor and the subcontractor; and the effect of any such defective data on the total price negotiated;

(F) The reasons for any significant difference between the Contractor's price objective and the price negotiated; and

(G) A complete explanation of the incentive fee or profit plan when incentives are used. The explanation shall identify each critical performance element, management decisions used to quantify each incentive element, reasons for the incentives, and a summary of all trade-off possibilities considered.

(2) The Contractor is not required to notify the Contracting Officer in advance of entering into any subcontract for which consent is not required under paragraph (c), (d), or (e) or this clause.

(f) Unless the consent or approval specifically provides otherwise, neither consent by the Contracting Officer to any subcontract nor approval of the Contractor's purchasing system shall constitute a determination --

(1) Of the acceptability of any subcontract terms or conditions;

(2) Of the allowability of any cost under this contract; or

(3) To relieve the Contractor of any responsibility for performing this contract.

(g) No subcontract or modification thereof placed under this contract shall provide for payment on a cost-plus-a-percentage-of-cost basis, and any fee payable under cost-reimbursement type subcontracts shall not exceed the fee limitations in FAR 15.404-4(c)(4)(i).

(h) The Contractor shall give the Contracting Officer immediate written notice of any action or suit filed and prompt notice of any claim made against the Contractor by any subcontractor or vendor that, in the opinion of the Contractor, may result in litigation related in any way to this contract, with respect to which the Contractor may be entitled to reimbursement from the Government.

(i) The Government reserves the right to review the Contractor's purchasing system as set forth in FAR Subpart 44.3.i

(j) Paragraphs (c) and (e) of this clause do not apply to the following subcontracts, which were evaluated during negotiations: TBD.

(End of clause)

I-136 252.203-7004 DISPLAY OF FRAUD HOTLINE POSTER(S)

DEC/2012

(a) Definition. United States, as used in this clause, means the 50 States, the District of Columbia, and outlying areas.

(b) Display of fraud hotline poster(s).

(1) The Contractor shall display prominently in common work areas within business segments performing work in the United States under

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Department of Defense (DoD) contracts DoD hotline posters prepared by the DoD Office of the Inspector General. DoD hotline posters may be obtained via the Internet at http://www.dodig.mil/HOTLINE/hotline_posters.htm.

(2) If the contract is funded, in whole or in part, by Department of Homeland Security (DHS) disaster relief funds, the DHS fraud hotline poster shall be displayed in addition to the DoD fraud hotline poster. If a display of a DHS fraud hotline poster is required, the Contractor may obtain such poster from:

N/A.

(3) Additionally, if the Contractor maintains a company website as a method of providing information to employees, the Contractor shall display an electronic version of the poster(s) at the website.

(c) Subcontracts. The Contractor shall include the substance of this clause, including this paragraph (c), in all subcontracts that exceed \$5 million except when the subcontract--

(1) Is for the acquisition of a commercial item; or

(2) Is performed entirely outside the United States.

(End of clause)

I-137 252.215-7004 REQUIREMENT FOR SUBMISSION OF DATA OTHER THAN CERTIFIED COST OR OCT/2013
PRICING DATA -- MODIFICATIONS -- CANADIAN COMMERCIAL CORPORATION

This clause, in lieu of FAR 52.215-21, applies only if award is to the Canadian Commercial Corporation.

(a) Submission of certified cost or pricing data is not required.

(b) Canadian Commercial Corporation shall obtain and provide the following for modifications that exceed \$150,000 [or higher dollar value specified by the U.S. Contracting Officer in the solicitation].

(i) Profit rate or fee (as applicable).

(ii) Analysis provided by Public Works and Government Services Canada to the Canadian Commercial Corporation to determine a fair and reasonable price (comparable to the analysis required at FAR 15.404-1).

(iii) Data other than certified cost or pricing data necessary to permit a determination by the U.S. Contracting Officer that the proposed price is fair and reasonable IAW FAR 15.403-3(a)(1).

(End of clause)

I-138 252.235-7010 ACKNOWLEDGMENT OF SUPPORT AND DISCLAIMER MAY/1995

(a) The Contractor shall include an acknowledgment of the Government's support in the publication of any material based on or developed under this contract, stated in the following terms: This material is based upon work supported by the Army Contracting Command (ACC) Warren, MI under Contract No. W56HZV-13-R-0411

(b) All material, except scientific articles or papers published in scientific journals, must, in addition to any notices or disclaimers by the Contractor, also contain the following disclaimer: Any opinions, findings and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the Army Contracting Command (ACC) Warren, MI.

(End of clause)

I-139 52.203-13 CONTRACTOR CODE OF BUSINESS ETHICS AND CONDUCT APR/2010

(a) Definitions. As used in this clause--

"Agent" means any individual, including a director, an officer, an employee, or an independent Contractor, authorized to act on behalf of the organization.

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"Full cooperation"--

(1) Means disclosure to the Government of the information sufficient for law enforcement to identify the nature and extent of the offense and the individuals responsible for the conduct. It includes providing timely and complete response to Government auditors and investigators' request for documents and access to employees with information;

(2) Does not foreclose any Contractor rights arising in law, the FAR, or the terms of the contract. It does not require--

(i) A Contractor to waive its attorney-client privilege or the protections afforded by the attorney work product doctrine; or

(ii) Any officer, director, owner, or employee of the Contractor, including a sole proprietor, to waive his or her attorney client privilege or Fifth Amendment rights; and

(3) Does not restrict a Contractor from--

(i) Conducting an internal investigation; or

(ii) Defending a proceeding or dispute arising under the contract or related to a potential or disclosed violation.

"Principal" means an officer, director, owner, partner, or a person having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a division or business segment; and similar positions).

"Subcontract" means any contract entered into by a subcontractor to furnish supplies or services for performance of a prime contract or a subcontract.

"Subcontractor" means any supplier, distributor, vendor, or firm that furnished supplies or services to or for a prime contractor or another subcontractor.

"United States," means the 50 States, the District of Columbia, and outlying areas.

(b) Code of business ethics and conduct.

(1) Within 30 days after contract award, unless the Contracting Officer establishes a longer time period, the Contractor shall--

(i) Have a written code of business ethics and conduct; and

(ii) Make a copy of the code available to each employee engaged in performance of the contract.

(2) The Contractor shall--

(i) Exercise due diligence to prevent and detect criminal conduct; and

(ii) Otherwise promote an organizational culture that encourages ethical conduct and a commitment to compliance with the law.

(3)(i) The Contractor shall timely disclose, in writing, to the agency Office of the Inspector General (OIG), with a copy to the Contracting Officer, whenever, in connection with the award, performance, or closeout of this contract or any subcontract thereunder, the Contractor has credible evidence that a principal, employee, agent, or subcontractor of the Contractor has committed--

(A) A violation of Federal criminal law involving fraud, conflict of interest, bribery, or gratuity violations found in Title 18 of the United States Code; or

(B) A violation of the civil False Claims Act (31 U.S.C. 3729-3733).

(ii) The Government, to the extent permitted by law and regulation, will safeguard and treat information obtained pursuant to the Contractors disclosure as confidential where the information has been marked confidential or proprietary by the company. To the extent permitted by law and regulation, such information will not be released by the Government to the public pursuant to a Freedom of Information Act request, 5 U.S.C. Section 552, without prior notification to the Contractor. The Government may transfer documents provided by the Contractor to any department or agency within the Executive Branch if the information relates to matters within the organizations jurisdiction.

(iii) If the violation relates to an order against a Governmentwide acquisition contract, a multi-agency contract, a multiple-award schedule contract such as the Federal Supply Schedule, or any other procurement instrument intended for use by multiple agencies, the Contractor shall notify the OIG of the ordering agency and the IG of the agency responsible for the basic contract.

(c) Business ethics awareness and compliance program and internal control system. This paragraph (c) does not apply if the Contractor

Name of Offeror or Contractor:

has represented itself as a small business concern pursuant to the award of this contract or if this contract is for the acquisition of a commercial item as defined at FAR 2.101. The Contractor shall establish the following within 90 days after contract award, unless the Contracting Officer establishes a longer time period:

(1) An ongoing business ethics awareness and compliance program.

(i) This program shall include reasonable steps to communicate periodically and in a practical manner the Contractors standards and procedures and other aspects of the Contractors business ethics awareness and compliance program and internal control system, by conducting effective training programs and otherwise disseminating information appropriate to an individuals respective roles and responsibilities.

(ii) The training conducted under this program shall be provided to the Contractors principals and employees, and as appropriate, the Contractors agents and subcontractors.

(2) An internal control system.

(i) The Contractors internal control system shall--

(A) Establish standards and procedures to facilitate timely discovery of improper conduct in connection with Government contracts; and

(B) Ensure corrective measures are promptly instituted and carried out.

(ii) At a minimum, the Contractors internal control system shall provide for the following:

(A) Assignment of responsibility at a sufficiently high level and adequate resources to ensure effectiveness of the business ethics awareness and compliance program and internal control system.

(B) Reasonable efforts not to include an individual as a principal, whom due diligence would have exposed as having engaged in conduct that is in conflict with the Contractors code of business ethics and conduct.

(C) Periodic reviews of company business practices, procedures, policies, and internal controls for compliance with the Contractors code of business ethics and conduct and the special requirements of Government contracting, including--

(1) Monitoring and auditing to detect criminal conduct;

(2) Periodic evaluation of the effectiveness of the business ethics awareness and compliance program and internal control system, especially if criminal conduct has been detected; and

(3) Periodic assessment of the risk of criminal conduct, with appropriate steps to design, implement, or modify the business ethics awareness and compliance program and the internal control system as necessary to reduce the risk of criminal conduct identified through this process.

(D) An internal reporting mechanism, such as a hotline, which allows for anonymity or confidentiality, by which employees may report suspected instances of improper conduct, and instructions that encourage employees to make such reports.

(E) Disciplinary action for improper conduct or for failing to take reasonable steps to prevent or detect improper conduct.

(F) Timely disclosure, in writing, to the agency OIG, with a copy to the Contracting Officer, whenever, in connection with the award, performance, or closeout of any Government contract performed by the Contractor or a subcontract thereunder, the Contractor has credible evidence that a principal, employee, agent, or subcontractor of the Contractor has committed a violation of Federal criminal law involving fraud, conflict of interest, bribery, or gratuity violations found in Title 18 U.S.C. or a violation of the civil False Claims Act (31 U.S.C. 3729-3733).

(1) If a violation relates to more than one Government contract, the Contractor may make the disclosure to the agency OIG and Contracting Officer responsible for the largest dollar value contract impacted by the violation.

(2) If the violation relates to an order against a Governmentwide acquisition contract, a multi-agency contract, a multiple-award schedule contract such as the Federal Supply Schedule, or any other procurement instrument intended for use by multiple agencies, the contractor shall notify the OIG of the ordering agency and the IG of the agency responsible for the basic contract, and the respective agencies contracting officers.

(3) The disclosure requirement for an individual contract continues until at least 3 years after final payment on the contract.

(4) The Government will safeguard such disclosures in accordance with paragraph (b)(3)(ii) of this clause.

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(G) Full cooperation with any Government agencies responsible for audits, investigations, or corrective actions.

(d) Subcontracts.

(1) The Contractor shall include the substance of this clause, including this paragraph (d), in subcontracts that have a value in excess of \$5,000,000 and a performance period of more than 120 days.

(2) In altering this clause to identify the appropriate parties, all disclosures of violation of the civil False Claims Act or of Federal criminal law shall be directed to the agency Office of the Inspector General, with a copy to the Contracting Officer.

(End of clause)

I-140 52.215-19 NOTIFICATION OF OWNERSHIP CHANGES OCT/1997

(a) The Contractor shall make the following notifications in writing:

(1) When the Contractor becomes aware that a change in its ownership has occurred, or is certain to occur, that could result in changes in the valuation of its capitalized assets in the accounting records, the Contractor shall notify the Administrative Contracting Officer (ACO) within 30 days.

(2) The Contractor shall also notify the ACO within 30 days whenever changes to asset valuations or any other cost changes have occurred or are certain to occur as a result of a change in ownership.

(b) The Contractor shall --

(1) Maintain current, accurate, and complete inventory records of assets and their costs;

(2) Provide the ACO or designated representative ready access to the records upon request;

(3) Ensure that all individual and grouped assets, their capitalized values, accumulated depreciation or amortization, and remaining useful lives are identified accurately before and after each of the Contractors ownership changes; and

(4) Retain and continue to maintain depreciation and amortization schedules based on the asset records maintained before each Contractor ownership change.

(c) The Contractor shall include the substance of this clause in all subcontracts under this contract that meet the applicability requirement of FAR 15.408(k).

(End of Clause)

I-141 52.219-28 POST-AWARD SMALL BUSINESS PROGRAM REREPRESENTATION JUL/2013

(a) Definitions. As used in this clause--

"Long-term contract" means a contract of more than five years in duration, including options. However, the term does not include contracts that exceed five years in duration because the period of performance has been extended for a cumulative period not to exceed six months under the clause at 52.217-8, Option to Extend Services, or other appropriate authority.

"Small business concern" means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (c) of this clause. Such a concern is "not dominant in its field of operation" when it does not exercise a controlling or major influence on a national basis in a kind of business activity in which a number of business concerns are primarily engaged. In determining whether dominance exists, consideration shall be given to all appropriate factors, including volume of business, number of employees, financial resources, competitive status or position, ownership or control of materials, processes, patents, license agreements, facilities, sales territory, and nature of business activity.

(b) If the Contractor represented that it was a small business concern prior to award of this contract, the Contractor shall rerepresent its size status according to paragraph (e) of this clause or, if applicable, paragraph (g) of this clause, upon the occurrence of any of

Name of Offeror or Contractor:

the following:

(1) Within 30 days after execution of a novation agreement or within 30 days after modification of the contract to include this clause, if the novation agreement was executed prior to inclusion of this clause in the contract.

(2) Within 30 days after a merger or acquisition that does not require a novation or within 30 days after modification of the contract to include this clause, if the merger or acquisition occurred prior to inclusion of this clause in the contract.

(3) For long-term contracts

(i) Within 60 to 120 days prior to the end of the fifth year of the contract; and

(ii) Within 60 to 120 days prior to the date specified in the contract for exercising any option thereafter.

(c) The Contractor shall rerepresent its size status in accordance with the size standard in effect at the time of this rerepresentation that corresponds to the North American Industry Classification System (NAICS) code assigned to this contract. The small business size standard corresponding to this NAICS code can be found at <http://www.sba.gov/content/table-small-business-size-standards>

(d) The small business size standard for a Contractor providing a product which it does not manufacture itself, for a contract other than a construction or service contract, is 500 employees.

(e) Except as provided in paragraph (g) of this clause, the Contractor shall make the representation required by paragraph (b) of this clause by validating or updating all its representations in the Representations and Certifications section of the System for Award Management (SAM) and its other data in SAM, as necessary, to ensure that they reflect the Contractor's current status. The Contractor shall notify the contracting office in writing within the timeframes specified in paragraph (b) of this clause that the data have been validated or updated, and provide the date of the validation or update.

(f) If the Contractor represented that it was other than a small business concern prior to award of this contract, the Contractor may, but is not required to, take the actions required by paragraphs (e) or (g) of this clause.

(g) If the Contractor does not have representations and certifications in SAM, or does not have a representation in SAM for the NAICS code applicable to this contract, the Contractor is required to complete the following rerepresentation and submit it to the contracting office, along with the contract number and the date on which the rerepresentation was completed:

The Contractor represents that it [] is, [] is not a small business concern under NAICS Code _____ assigned to contract number _____. [Contractor to sign and date and insert authorized signer's name and title].

(End of clause)

I-142 52.223-3 HAZARDOUS MATERIAL IDENTIFICATION AND MATERIAL SAFETY DATA JAN/1997

(a) Hazardous material, as used in this clause, includes any material defined as hazardous under the latest version of Federal Standard No. 313 (including revisions adopted during the term of the contract).

(b) The offeror must list any hazardous material, as defined in paragraph (a) of this clause, to be delivered under this contract. The hazardous material shall be properly identified and include any applicable identification number, such as National Stock Number or Special Item Number. This information shall also be included on the Material Safety Data Sheet submitted under this contract.

| | |
|------------------------|--------------------|
| Material | Identification No. |
| (If none, insert None) | |

| | |
|--|--|
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| | |

(c) This list must be updated during performance of the contract whenever the Contractor determines that any other material to be delivered under this contract is hazardous.

(d) The apparently successful offeror agrees to submit, for each item as required prior to award, a Material Safety Data Sheet, meeting the requirements of 29 CFR 1910.1200(g) and the latest version of Federal Standard No. 313, for all hazardous material identified in paragraph (b) of this clause. Data shall be submitted in accordance with Federal Standard No. 313, whether or not the apparently

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successful offeror is the actual manufacturer of these items. Failure to submit the Material Safety Data Sheet prior to award may result in the apparently successful offeror being considered nonresponsible and ineligible for award.

(e) If, after award, there is a change in the composition of the item(s) or a revision to Federal Standard No. 313, which renders incomplete or inaccurate the data submitted under paragraph (d) of this clause, the Contractor shall promptly notify the Contracting Officer and resubmit the data.

(f) Neither the requirements of this clause nor any act or failure to act by the Government shall relieve the Contractor of any responsibility or liability for the safety of Government, Contractor, or subcontractor personnel or property.

(g) Nothing contained in this clause shall relieve the Contractor from complying with applicable Federal, State, and local laws, codes, ordinances, and regulations (including the obtaining of licenses and permits) in connection with hazardous material.

(h) The Government's rights in data furnished under this contract with respect to hazardous material are as follows:

(1) To use, duplicate and disclose any data to which this clause is applicable. The purposes of this right are to --

(i) Apprise personnel of the hazards to which they may be exposed in using, handling, packaging, transporting, or disposing of hazardous materials;

(ii) Obtain medical treatment for those affected by the material; and

(iii) Have others use, duplicate, and disclose the data for the Government for these purposes.

(2) To use, duplicate, and disclose data furnished under this clause, in accordance with subparagraph (h)(1) of this clause, in precedence over any other clause of this contract providing for rights in data.

(3) The Government is not precluded from using similar or identical data acquired from other sources.

(End of Clause)

I-143 52.223-11 OZONE-DEPLETING SUBSTANCES MAY/2001

(a) Definition. Ozone-depleting substance, as used in this clause, means any substance the Environmental Protection Agency designates in 40 CFR Part 82 as--

(1) Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or

(2) Class II, including, but not limited to hydrochlorofluorocarbons.

(b) The Contractor shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), and (d) and 40 CFR Part 82, Subpart E, as follows:

Warning

Contains (or manufactured with, if applicable) *_____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere.

* The Contractor shall insert the name of the substance(s).

(End of Clause)

I-144 52.252-2 CLAUSES INCORPORATED BY REFERENCE FEB/1998

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address:

<http://www.acq.osd.mil/dpap/dars/far.html> or <http://www.acq.osd.mil/dpap/dars/index.htm> or <http://farsite.hill.af.mil/VFAFARA.HTM>

(End of Clause)

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I-145 52.252-6 AUTHORIZED DEVIATIONS IN CLAUSES APR/1984

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of (DEVIATION) after the date of the clause.

(b) The use in this solicitation or contract of any DoD FAR SUPPLEMENT (48 CFR 2) clause with an authorized deviation is indicated by the addition of (DEVIATION) after the name of the regulation.

(End of Clause)

I-146 252.223-7001 HAZARD WARNING LABELS DEC/1991

(a) Hazardous material, as used in this clause, is defined in the Hazardous Material Identification and Material Safety Data clause of this contract.

(b) The Contractor shall label the item package (unit container) of any hazardous material to be delivered under this contract in accordance with the Hazard Communication Standard (29 CFR 1910.1200 et seq). The Standard requires that the hazard warning label conform to the requirements of the standard unless the material is otherwise subject to the labeling requirements of one of the following statutes:

- (1) Federal Insecticide, Fungicide and Rodenticide Act;
- (2) Federal Food, Drug and Cosmetics Act;
- (3) Consumer Product Safety Act;
- (4) Federal Hazardous Substances Act; or
- (5) Federal Alcohol Administration Act.

(c) The Offeror shall list which hazardous material listed in the Hazardous Material Identification and Material Safety Data clause of this contract will be labeled in accordance with one of the Acts in paragraphs (b)(1) through (5) of this clause instead of the Hazard Communication Standard. Any hazardous material not listed will be interpreted to mean that a label is required in accordance with the Hazard Communication Standard.

MATERIAL (If None, Insert None.) ACT

| | |
|-------|-------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

(d) The apparently successful Offeror agrees to submit, before award, a copy of the hazard warning label for all hazardous materials not listed in paragraph (c) of this clause. The Offeror shall submit the label with the Material Safety Data Sheet being furnished under the Hazardous Material Identification and Material Safety Data clause of this contract.

(e) The Contractor shall also comply with MIL-STD-129, Marking for Shipment and Storage (including revisions adopted during the term of this contract).

(End of clause)

I-147 52.204-4009 MANDATORY USE OF CONTRACTOR TO GOVERNMENT ELECTRONIC COMMUNICATION MAR/2005

(a) All references in the contract to the submission of written documentation shall mean electronic submission. All electronic submissions shall be in the formats and media described in the website:

<http://contracting.tacom.army.mil/acqinfo/ebidnotice.htm>

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(b) This shall include all written unclassified communications between the Government and the Contractor except contract awards and contract modifications which shall be posted on the internet. Return receipt shall be used if a commercial application is available. Classified information shall be handled in full accordance with the appropriate security requirements.

(c) In order to be contractually binding, all Government communications requiring a Contracting Officer signature must be sent from the Contracting Officer's e-mail address. The Contractor shall designate the personnel with signature authority who can contractually bind the contractor. All binding contractor communication shall be sent from this contractor e-mail address(es).

(d) Upon award, the Contractor shall provide the Contracting Officer with a list of e-mail addresses for all administrative and technical personnel assigned to this contract.

(e) Unless exempted by the Procuring Contracting Officer in writing, all unclassified written communication after contract award shall be transmitted electronically.

[End of Clause]

I-148 52.219-4070 PILOT MENTOR-PROTEGE PROGRAM APR/2006

(a) The Pilot Mentor-Protege Program does not apply to small business concerns.

(b) Utilization of the Pilot Mentor-Protege Program (hereafter referred to as the Program) is encouraged. Under the Program, eligible companies approved as mentor firms enter into a mentor-protege agreement with eligible protege firms. The goal of the program is to provide appropriate developmental assistance to enhance the capabilities of the protege firm. The Mentor firm may be eligible for cost reimbursement or credit against their applicable subcontracting goals.

(c) Mentor firms are encouraged to identify and select concerns that are defined as emerging small business concerns, small disadvantaged business, women-owned small business, HUBZone small business, service-disabled veteran-owned small business, veteran-owned small business or an eligible entity employing the severely disabled.

(d) Full details of the program are located at [http://www.acq.osd.mil/sadbu/mentor protege/](http://www.acq.osd.mil/sadbu/mentor%20protege/)

or

<http://sellingtoarmy.info/User/ShowPage.aspx?SectionID=12>

(e) For additional questions after reviewing the information provided, contact the Office of Small Business Programs serving your area.

[End of Clause]

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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> |
|----------------------------|---|-------------|----------------------------|-----------------------|
| Attachment 0001 | MAINTENANCE ANALYSIS | 18-NOV-2013 | 005 | EMAIL |
| Attachment 0002 | STTE LIST | 18-NOV-2013 | 001 | EMAIL |
| Attachment 0003 | PROVISIONING | 18-NOV-2013 | 006 | EMAIL |
| Attachment 0004 | NSN SPLIT | 18-NOV-2013 | 001 | EMAIL |
| Attachment 0005 | PACKAGING DATA PRODUCTS | 18-NOV-2013 | 003 | EMAIL |
| Attachment 0006 | INCOMING TRANSACTION FORMAT | 18-NOV-2013 | 002 | EMAIL |
| Attachment 0007 | REVISIONS AND EXCEPTIONS TO SAE ARP 1967A | 18-NOV-2013 | 003 | EMAIL |
| Attachment 0008 | TB-9-289 | 18-NOV-2013 | 025 | EMAIL |
| Attachment 0009 | GENERAL PUBS | 18-NOV-2013 | 008 | EMAIL |
| Attachment 0010 | TM MATRIX | 18-NOV-2013 | 023 | EMAIL |
| Attachment 0011 | SOURCE DATA | 18-NOV-2013 | 001 | EMAIL |
| Attachment 0012 | STYLE SHEETS | 18-NOV-2013 | 002 | EMAIL |
| Attachment 0013 | NMWR CANDIDATE | 18-NOV-2013 | 001 | EMAIL |
| Attachment 0014 | NET VIEW GRAPHS | 18-NOV-2013 | 004 | EMAIL |
| Attachment 0015 | BOM BASELINE | 18-NOV-2013 | 002 | EMAIL |
| Attachment 0016 | TM WP MATRIX | 18-NOV-2013 | 001 | EMAIL |
| Attachment 0017 | CONTRACT DATA REQUIREMENTS LIST (CDRL) | 18-NOV-2013 | 104 | EMAIL |

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

This document incorporates one or more provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a provision may be accessed electronically at these addresses:

<http://farsite.hill.af.mil/VFFARA.HTM> or <http://farsite.hill.af.mil/VDFARA.HTM> or <http://farsite.hill.af.mil/VFAFARA.HTM>

If the provision requires additional or unique information, then that information is provided immediately after the provision title.

| | <u>Regulatory Cite</u> | <u>Title</u> | <u>Date</u> |
|-----|------------------------|--|-------------|
| K-1 | 52.204-7 | SYSTEM FOR AWARD MANAGEMENT | JUL/2013 |
| K-2 | 52.225-20 | PROHIBITION ON CONDUCTING RESTRICTED BUSINESS OPERATIONS IN SUDAN-- CERTIFICATION | AUG/2009 |
| K-3 | 52.225-25 | PROHIBITION ON CONTRACTING WITH ENTITIES ENGAGING IN SANCTIONED ACTIVITIES RELATING TO IRAN--REPRESENTATION AND CERTIFICATION | DEC/2012 |
| K-4 | 252.203-7005 | REPRESENTATION RELATING TO COMPENSATION OF FORMER DOD OFFICIALS | NOV/2011 |
| K-5 | 252.209-7001 | DISCLOSURE OF OWNERSHIP OR CONTROL BY THE GOVERNMENT OF A TERRORIST COUNTRY | JAN/2009 |
| K-6 | 252.225-7031 | SECONDARY ARAB BOYCOTT OF ISRAEL | JUN/2005 |
| K-7 | 252.227-7017 | IDENTIFICATION AND ASSERTION OF USE, RELEASE, OR DISCLOSURE RESTRICTIONS | JAN/2011 |
| K-8 | 252.227-7028 | TECHNICAL DATA OR COMPUTER SOFTWARE PREVIOUSLY DELIVERED TO THE GOVERNMENT | JUN/1995 |
| K-9 | 52.204-8 | ANNUAL REPRESENTATIONS AND CERTIFICATIONS | JUL/2013 |

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is 541330.

(2) The small business size standard is 1,000.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b)(1) If the provision at 52.204-7, System for Award Management, is included in this solicitation, paragraph (d) of this provision applies.

(2) If the provision at 52.204-7 is not included in this solicitation, and the offeror is currently registered in the System for Award Management (SAM), and has completed the Representations and Certifications section of SAM electronically, the offeror may choose to use paragraph (d) of this provision instead of completing the corresponding individual representations and certifications in the solicitation. The offeror shall indicate which option applies by checking one of the following boxes:

(i) Paragraph (d) applies.

(ii) Paragraph (d) does not apply and the offeror has completed the individual representations and certifications in the solicitation.

(c)(1) The following representations or certifications in SAM are applicable to this solicitation as indicated:

(i) 52.203-2, Certificate of Independent Price Determination. This provision applies to solicitations when a firm-fixed-price contract or fixed-price contract with economic price adjustment is contemplated, unless--

(A) The acquisition is to be made under the simplified acquisition procedures in Part 13;

(B) The solicitation is a request for technical proposals under two-step sealed bidding procedures; or

(C) The solicitation is for utility services for which rates are set by law or regulation.

(ii) 52.203-11, Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions. This provision applies to solicitations expected to exceed \$150,000.

(iii) 52.204-3, Taxpayer Identification. This provision applies to solicitations that do not include the provision at 52.204-7, System for Award Management.

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Name of Offeror or Contractor:

(iv) 52.204-5, Women-Owned Business (Other Than Small Business). This provision applies to solicitations that--

(A) Are not set aside for small business concerns;

(B) Exceed the simplified acquisition threshold; and

(C) Are for contracts that will be performed in the United States or its outlying areas.

(v) 52.209-2, Prohibition on Contracting with Inverted Domestic Corporations Representation. This provision applies to solicitations using funds appropriated in fiscal years 2008, 2009, 2010, or 2012.

(vi) 52.209-5, Certification Regarding Responsibility Matters. This provision applies to solicitations where the contract value is expected to exceed the simplified acquisition threshold.

(vii) 52.214-14, Place of Performance Sealed Bidding. This provision applies to invitations for bids except those in which the place of performance is specified by the Government.

(viii) 52.215-6, Place of Performance. This provision applies to solicitations unless the place of performance is specified by the Government.

(ix) 52.219-1, Small Business Program Representations (Basic & Alternate I). This provision applies to solicitations when the contract will be performed in the United States or its outlying areas.

(A) The basic provision applies when the solicitations are issued by other than DoD, NASA, and the Coast Guard.

(B) The provision with its Alternate I applies to solicitations issued by DoD, NASA, or the Coast Guard.

(x) 52.219-2, Equal Low Bids. This provision applies to solicitations when contracting by sealed bidding and the contract will be performed in the United States or its outlying areas.

(xi) 52.222-22, Previous Contracts and Compliance Reports. This provision applies to solicitations that include the clause at 52.222-26, Equal Opportunity.

(xii) 52.222-25, Affirmative Action Compliance. This provision applies to solicitations, other than those for construction, when the solicitation includes the clause at 52.222-26, Equal Opportunity.

(xiii) 52.222-38, Compliance with Veterans Employment Reporting Requirements. This provision applies to solicitations when it is anticipated the contract award will exceed the simplified acquisition threshold and the contract is not for acquisition of commercial items.

(xiv) 52.223-1, Biobased Product Certification. This provision applies to solicitations that require the delivery or specify the use of USDA designated items; or include the clause at 52.223-2, Affirmative Procurement of Biobased Products Under Service and Construction Contracts.

(xv) 52.223-4, Recovered Material Certification. This provision applies to solicitations that are for, or specify the use of, EPA designated items.

(xvi) 52.225-2, Buy American Act Certificate. This provision applies to solicitations containing the clause at 52.225-1.

(xvii) 52.225-4, Buy American Act Free Trade Agreements Israeli Trade Act Certificate. (Basic, Alternates I, II, and III.) This provision applies to solicitations containing the clause at 52.225-3.

(A) If the acquisition value is less than \$25,000, the basic provision applies.

(B) If the acquisition value is \$25,000 or more but is less than \$50,000, the provision with its Alternate I applies.

(C) If the acquisition value is \$50,000 or more but is less than \$77,494, the provision with its Alternate II applies.

(D) If the acquisition value is \$77,494 or more but is less than \$100,000, the provision with its Alternate III applies.

(xviii) 52.225-6, Trade Agreements Certificate. This provision applies to solicitations containing the clause at 52.225-5.

(xix) 52.225-20, Prohibition on Conducting Restricted Business Operations in Sudan Certification. This provision applies to all solicitations.

| | | |
|---------------------------|--|------------------------|
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Name of Offeror or Contractor:

solicitation as indicated:

(i) 252.209-7001, Disclosure of Ownership or Control by the Government of a Terrorist Country. Applies to all solicitations expected to result in contracts of \$150,000 or more.

(ii) 252.209-7003, Reserve Officer Training Corps and Military Recruiting on Campus Representation. Applies to all solicitations with institutions of higher education.

(iii) 252.216-7008, Economic Price Adjustment Wage Rates or Material Prices Controlled by a Foreign Government. Applies to solicitations for fixed-price supply and service contracts when the contract is to be performed wholly or in part in a foreign country, and a foreign government controls wage rates or material prices and may during contract performance impose a mandatory change in wages or prices of materials.

(iv) 252.225-7042, Authorization to Perform. Applies to all solicitations when performance will be wholly or in part in a foreign country.

(v) 252.229-7012, Tax Exemptions (Italy) Representation. Applies to solicitations and contracts when contract performance will be in Italy.

(vi) 252.229-7013, Tax Exemptions (Spain) Representation. Applies to solicitations and contracts when contract performance will be in Spain.

(vii) 252.247-7022, Representation of Extent of Transportation by Sea. Applies to all solicitations except those for direct purchase of ocean transportation services or those with an anticipated value at or below the simplified acquisition threshold.

(2) The following representations or certifications in SAM are applicable to this solicitation as indicated by the Contracting Officer:

___ (i) 252.209-7002, Disclosure of Ownership or Control by a Foreign Government.

___ (ii) 252.225-7000, Buy American Balance of Payments Program Certificate.

___ (iii) 252.225-7020, Trade Agreements Certificate.

___ Use with Alternate I.

___ (iv) 252.225-7022, Trade Agreements Certificate Inclusion of Iraqi End Products.

___ (v) 252.225-7031, Secondary Arab Boycott of Israel.

___ (vi) 252.225-7035, Buy American Free Trade Agreements Balance of Payments Program Certificate.

___ Use with Alternate I.

___ Use with Alternate II.

___ Use with Alternate III.

___ Use with Alternate IV.

___ Use with Alternate V.

(e) The offeror has completed the annual representations and certifications electronically via the SAM website at <https://www.acquisition.gov/>. After reviewing the ORCA database information, the offeror verifies by submission of the offer that the representations and certifications currently posted electronically that apply to this solicitation as indicated in FAR 52.204-8(c) and paragraph (d) of this provision have been entered or updated within the last 12 months, are current, accurate, complete, and applicable to this solicitation (including the business size standard applicable to the NAICS code referenced for this solicitation), as of the date of this offer, and are incorporated in this offer by reference (see FAR 4.1201); except for the changes identified below [offeror to insert changes, identifying change by provision number, title, date]. These amended representation(s) and/or certification(s) are also incorporated in this offer and are current, accurate, and complete as of the date of this offer.

| FAR/DFARS Provision # | Title | Date | Change |
|--------------------------|-------|------|--------|
|--------------------------|-------|------|--------|

| | | |
|---------------------------|--|------------------------|
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Name of Offeror or Contractor:

Any changes provided by the offeror are applicable to this solicitation only, and do not result in an update to the representations and certifications located in the SAM database.

(End of provision)

K-11 52.204-5 WOMEN-OWNED BUSINESS (OTHER THAN SMALL BUSINESS) MAY/1999

(a) Definition. Women-owned business concern, as used in this provision, means a concern that is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of its stock is owned by one or more women; and whose management and daily business operations are controlled by one or more women.

(b) Representation. [Complete only if the offeror is a women-owned business concern and has not represented itself as a small business concern in paragraph (b)(1) of FAR 52.219-1, Small Business Program Representation, of this solicitation.] The offeror represents that it [] is a women-owned business concern.

(End of Provision)

K-12 52.209-7 INFORMATION REGARDING RESPONSIBILITY MATTERS JUL/2013

(a) Definitions. As used in this provision--

Administrative proceeding means a non-judicial process that is adjudicatory in nature in order to make a determination of fault or liability (e.g., Securities and Exchange Commission Administrative Proceedings, Civilian Board of Contract Appeals Proceedings, and Armed Services Board of Contract Appeals Proceedings). This includes administrative proceedings at the Federal and State level but only in connection with performance of a Federal contract or grant. It does not include agency actions such as contract audits, site visits, corrective plans, or inspection of deliverables.

Federal contracts and grants with total value greater than \$10,000,000 means--

(1) The total value of all current, active contracts and grants, including all priced options; and

(2) The total value of all current, active orders including all priced options under indefinite-delivery, indefinite-quantity, 8(a), or requirements contracts (including task and delivery and multiple-award Schedules).

Principal means an officer, director, owner, partner, or a person having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a division or business segment; and similar positions).

(b) The offeror [] has [] does not have current active Federal contracts and grants with total value greater than \$10,000,000.

(c) If the offeror checked "has" in paragraph (b) of this provision, the offeror represents, by submission of this offer, that the information it has entered in the Federal Awardee Performance and Integrity Information System (FAPIS) is current, accurate, and complete as of the date of submission of this offer with regard to the following information:

(1) Whether the offeror, and/or any of its principals, has or has not, within the last five years, in connection with the award to or performance by the offeror of a Federal contract or grant, been the subject of a proceeding, at the Federal or State level that resulted in any of the following dispositions:

(i) In a criminal proceeding, a conviction.

(ii) In a civil proceeding, a finding of fault and liability that results in the payment of a monetary fine, penalty, reimbursement, restitution, or damages of \$5,000 or more.

(iii) In an administrative proceeding, a finding of fault and liability that results in--

(A) The payment of a monetary fine or penalty of \$5,000 or more; or

(B) The payment of a reimbursement, restitution, or damages in excess of \$100,000.

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| CONTINUATION SHEET | Reference No. of Document Being Continued | Page 108 of 119 |
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Name of Offeror or Contractor:

(iv) In a criminal, civil, or administrative proceeding, a disposition of the matter by consent or compromise with an acknowledgment of fault by the Contractor if the proceeding could have led to any of the outcomes specified in paragraphs (c)(1)(i), (c)(1)(ii), or (c)(1)(iii) of this provision.

(2) If the offeror has been involved in the last five years in any of the occurrences listed in (c)(1) of this provision, whether the offeror has provided the requested information with regard to each occurrence.

(d) The offeror shall post the information in paragraphs (c)(1)(i) through (c)(1)(iv) of this provision in FAPIIS as required through maintaining an active registration in the System for Award Management database via <https://www.acquisition.gov> (see 52.204-7).

Principal means an officer, director, owner, partner, or a person having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a division or business segment; and similar positions).

(End of provision)

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|------|--------------------------------------|---|----------|
| K-13 | 252.209-7998 (DEV 2012- 00007) | REPRESENTATION REGARDING CONVICTION OF A FELONY CRIMINAL VIOLATION UNDER ANY FEDERAL OR STATE LAW (DEVIATION 2012-00007) | MAR/2012 |
|------|--------------------------------------|---|----------|

(a) In accordance with section 514 of Division H of the Consolidated Appropriations Act, 2012, none of the funds made available by that Act may be used to enter into a contract with any corporation that was convicted of a felony criminal violation under any Federal or State law within the preceding 24 months, where the awarding agency is aware of the conviction, unless the agency has considered suspension or debarment of the corporation and made a determination that this further action is not necessary to protect the interests of the Government.

(b) The Offeror represents that it is [] is not [] a corporation that was convicted of a felony criminal violation under a Federal or State law within the preceding 24 months.

(End of provision)

| | | | |
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| K-14 | 252.209-7999 (DEV 2012- 00004) | REPRESENTATION BY CORPORATIONS REGARDING AN UNPAID DELINQUENT TAX LIABILITY OR A FELONY CONVICTION UNDER ANY FEDERAL LAW (DEVIATION 2012-00004) | JAN/2012 |
|------|--------------------------------------|---|----------|

(a) In accordance with sections 8124 and 8125 of Division A of the Consolidated Appropriations Act, 2012, (Pub. L. 112-74) none of the funds made available by that Act may be used to enter into a contract with any corporation that--

(1) Has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability, where the awarding agency is aware of the unpaid tax liability, unless the agency has considered suspension or debarment of the corporation and made a determination that this further action is not necessary to protect the interests of the Government.

(2) Was convicted of a felony criminal violation under any Federal law within the preceding 24 months, where the awarding agency is aware of the conviction, unless the agency has considered suspension or debarment of the corporation and made a determination that this action is not necessary to protect the interests of the Government.

(b) The Offeror represents that--

(1) It is [] is not [] a corporation that has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability,

(2) It is [] is not [] a corporation that was convicted of a felony criminal violation under a Federal law within the preceding 24 months.

(End of provision)

| | | | |
|------|--------------|-------------------------------------|----------|
| K-15 | 252.217-7026 | IDENTIFICATION OF SOURCES OF SUPPLY | NOV/1995 |
|------|--------------|-------------------------------------|----------|

(a) The Government is required under 10 U.S.C. 2384 to obtain certain information on the actual manufacturer or sources of supplies it

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MOD/AMD

Name of Offeror or Contractor:

acquires.

(b) The apparently successful Offeror agrees to complete and submit the following table before award:

TABLE

| Line Items | National Stock Number | Commercial Item (Y or N) | Source of Supply | | | Actual Mfg? |
|---------------|-----------------------------|--------------------------------|------------------|---------|----------|----------------|
| | | | Company | Address | Part No. | |
| (1) | (2) | (3) | (4) | (4) | (5) | (6) |
| | | | | | | |
| | | | | | | |

(1) List each deliverable item of supply and item of technical data.

(2) If there is no national stock number, list none.

(3) Use Y if the item is a commercial item; otherwise use N. If Y is listed, the Offeror need not complete the remaining columns in the table.

(4) For items of supply, list all sources. For technical data, list the source.

(5) For items of supply, list each source's part number for the item.

(6) Use Y if the source of supply is the actual manufacturer; N if it is not; and U if unknown.

(End of provision)

| | | | |
|------|------------------------|---------------------------|----------|
| K-16 | 52.215-4005 (TACOM) | MINIMUM ACCEPTANCE PERIOD | OCT/1985 |
|------|------------------------|---------------------------|----------|

(a) ACCEPTANCE PERIOD, as used in this provision, means the number of calendar days available to the Government for awarding a contract from the date specified in this solicitation for receipt of offers.

(b) The Government requires a minimum acceptance period of sixty (60) calendar days.

(c) In the space provided immediately below, offers may specify a longer acceptance period than the Government's minimum requirement.

The offeror allows the following acceptance period: _____ calendar days.

(d) An offer allowing less than the Government's minimum acceptance period may be rejected.

[End of Provision]

| | | | |
|------|------------------------|------------------------|----------|
| K-17 | 52.215-4010 (TACOM) | AUTHORIZED NEGOTIATORS | MAR/2013 |
|------|------------------------|------------------------|----------|

Please identify, below, the representatives that are authorized to negotiate on your organization's behalf with the Government in connection with this request for proposals or request for information:

PERSONS AUTHORIZED TO NEGOTIATE

NAME: _____
TITLE: _____
TELEPHONE NUMBER: _____
EMAIL ADDRESS: _____

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Name of Offeror or Contractor:

NAME: _____
TITLE: _____
TELEPHONE NUMBER: _____
EMAIL ADDRESS: _____

[End of Provision]

K-18 52.223-4002 USE OF CLASS I OZONE-DEPLETING SUBSTANCES (CIODS) OCT/2008
(TACOM)

(a) Definitions.

(1) Class I and Class II Ozone-Depleting Substances (CIODS) refers to the class of substances identified in Section 602(a) of the Clean Air Act, (42 U.S.C. 7671a(a)), complete list provided at: <http://www.epa.gov/ozone/science/ods/index.html>.

(2) Directly requires the use of CIODS means that the Government's specification or technical data package, at any tier, explicitly requires the use of any Class I Ozone-Depleting Substance (CIODS) in performance of the contract.

(3) Indirectly requires the use of CIODS means that the Government's specification or technical data package, while not explicitly requiring the use of any CIODS, does require a feature that you can meet or produce only by the use of CIODS.

(b) Per Section 326 of Public Law 102-484, the Army cannot award any contract that directly or indirectly requires the use of CIODS without the approval of the Senior Acquisition Official, per current Army Policy the approval authority is the Army Acquisition Executive. Thus, no CIODS shall be used in meeting the requirements of this contract. If the use of CIODS is required in the performance of this contract, please notify the Contracting Officer immediately in writing.

(c) No Class II Ozone Depleting Substances shall be required in the performance of this contract without government approval. If the use of Class II ODS is required in the performance of this contract, please notify the Contracting Officer immediately in writing.

[End of Provision]

K-19 52.225-4003 IDENTIFICATION OF SUPPLY CONTRACT/SUBCONTRACT(S) WITH A UNITED MAR/1990
(TACOM) KINGDOM (UK) FIRM IN EXCESS OF \$1 MILLION

(a) The offeror shall indicate, by check mark, if one or more of the statements at (i) or (ii) below applies to this supply solicitation/contract. (Statement (ii) below must be reviewed and, if applicable, checked by all offerors, whether they themselves are or are not located in the United Kingdom (U.K.)

(i) [] I AM a U.K. firm contracting in excess of \$1 million and the estimated total of levies contained in the offered price is: \$_____.

(ii) [] I expect to award one or more subcontract(s) totaling over \$1 million to a U.K. vendor.

(b) The offeror shall identify each U.K. subcontractor applicable to the statement at (ii) above in the space provided below.

| <u>Name</u> | <u>Address</u> | <u>Est. Value Of Subcontract</u> | <u>Est. Total of Levies Incl. In Price</u> |
|-------------|----------------|--------------------------------------|--|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

(c) The Government intends to secure a waiver of all levies contained within the proposed price of supply contracts and subcontract(s) with U.K. firms. In the event such levies are waived, the Government and Contractor will execute a modification to this contract to reflect the dollar reduction as a result of the waiver.

| | | |
|---------------------------|---|-------------------------------|
| CONTINUATION SHEET | Reference No. of Document Being Continued PIIN/SIIN W56HZV-13-R-0411 MOD/AMD | Page 112 of 119 |
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Name of Offeror or Contractor:

SECTION L - INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS

This document incorporates one or more provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a provision may be accessed electronically at these addresses:

<http://farsite.hill.af.mil/VFFARA.HTM> or <http://farsite.hill.af.mil/VDFARA.HTM> or <http://farsite.hill.af.mil/VFAFARA.HTM>

If the provision requires additional or unique information, then that information is provided immediately after the provision title.

| | <u>Regulatory Cite</u> | <u>Title</u> | <u>Date</u> |
|-----|------------------------|--|-------------|
| L-1 | 52.214-34 | SUBMISSION OF OFFERS IN THE ENGLISH LANGUAGE | APR/1991 |
| L-2 | 52.214-35 | SUBMISSIONS OF OFFERS IN U.S. CURRENCY | APR/1991 |
| L-3 | 52.215-16 | FACILITIES CAPITAL COST OF MONEY | JUN/2003 |
| L-4 | 52.215-22 | LIMITATIONS ON PASS-THROUGH CHARGES -- IDENTIFICATION OF SUBCONTRACT EFFORT | OCT/2009 |
| L-5 | 52.222-24 | PREAWARD ON-SITE EQUAL OPPORTUNITY COMPLIANCE EVALUATION | FEB/1999 |
| L-6 | 52.237-10 | IDENTIFICATION OF UNCOMPENSATED OVERTIME | OCT/1997 |
| L-7 | 252.215-7008 | ONLY ONE OFFER | OCT/2013 |
| L-8 | 252.225-7003 | REPORT OF INTENDED PERFORMANCE OUTSIDE THE UNITED STATES AND CANADA-- SUBMISSION WITH OFFER | OCT/2010 |
| L-9 | 52.211-14 | NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE, EMERGENCY PREPAREDNESS, AND ENERGY PROGRAM USE | APR/2008 |

Any contract awarded as a result of this solicitation will be [X] DX rated order; [] DO rated order; certified for national defense, emergency preparedness, and energy program use under the Defense Priorities and Allocations System (DPAS) (15 CFR 700), and the Contractor will be required to follow all of the requirements of this regulation.

(End of Provision)

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| L-10 | 52.216-1 | TYPE OF CONTRACT | APR/1984 |
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The Government contemplates award of a Hybrid Firm Fixed Price (FFP) and Cost Plus Fixed Fee (CPFF) contract resulting from this solicitation.

(End of Provision)

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| L-11 | 52.233-2 | SERVICE OF PROTEST | SEP/2006 |
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(a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the Government Accountability Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from:

TACOM LCMC, ATTN: CCTA (Army Contracting Command Warren - Protest Coordinator)
Mail Stop 315
6501 E. 11 Mile Rd.
Warren, MI 48397-5000.

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

(End of Provision)

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| L-12 | 252.215-7003 | REQUIREMENT FOR SUBMISSION OF DATA OTHER THAN CERTIFIED COST OR PRICING DATA -- CANADIAN COMMERCIAL CORPORATION | JUL/2012 |
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(a) Submission of certified cost or pricing data is not required.

(b) Canadian Commercial Corporation shall obtain and provide the following:

(i) Profit rate or fee (as applicable).

(ii) Analysis provided by Public Works and Government Services Canada to the Canadian Commercial Corporation to determine a fair and reasonable price (comparable to the analysis required at FAR 15.404-1).

(iii) Data other than certified cost or pricing data necessary to permit a determination by the U.S. Contracting Officer that the proposed price is fair and reasonable IAW FAR 15.403-3(a)(1).

(c) As specified in FAR 15.403-3(a)(4), an offeror who does not comply with a requirement to submit data that the U.S. Contracting Officer has deemed necessary to determine price reasonableness or cost realism is ineligible for award unless the head of the contracting activity determines that it is in the best interest of the Government to make the award to that offeror.

(End of provision)

L-13 52.211-1 AVAILABILITY OF SPECIFICATIONS LISTED IN THE GSA INDEX OF FEDERAL AUG/1998
SPECIFICATIONS, STANDARDS AND COMMERCIAL ITEM DESCRIPTIONS, FPMR PART
101-29

(a) The GSA Index of Federal Specifications, Standards and Commercial Item Descriptions, FPMR Part 101-29, and copies of specifications, standards, and commercial item descriptions cited in this solicitation may be obtained for a fee by submitting a request to--

GSA Federal Supply Service
Specifications Section, Suite 8100
470 East L'Enfant Plaza SW
Washington, DC 20407

Telephone (202) 619-8925

Facsimile (202) 619-8978.

(b) If the General Services Administration, Department of Agriculture, or Department of Veterans Affairs issued this solicitation, a single copy of specifications, standards, and commercial item descriptions cited in this solicitation may be obtained free of charge by submitting a request to the addressee in paragraph (a) of this provision. Additional copies will be issued for a fee.

(End of Provision)

L-14 52.211-2 AVAILABILITY OF SPECIFICATIONS, STANDARDS, AND DATA ITEM DESCRIPTIONS JAN/2006
LISTED IN THE ACQUISITION STREAMLINING AND STANDARDIZATION
INFORMATION SYSTEM (ASSIST)

(a) Most unclassified Defense specifications and standards may be downloaded from the following ASSIST websites:

(1) ASSIST (<http://assist.daps.dla.mil/>)

(2) Quick Search (<http://assist.daps.dla.mil/quicksearch/>)

(3) ASSISTdocs.com (<http://assistdocs.com>).

(b) Documents not available from ASSIST may be ordered from the Department of Defense Single Stock Point (DoDSSP) by

(1) Using the ASSIST Shopping Wizard (<http://assist.daps.dla.mil/wizard>);

(2) Phoning the DoDSSP Customer Service Desk (215) 697-2197, Mon-Fri, 0730 to 1600 EST; or

(3) Ordering from DoDSSP, Building 4, Section D, 700 Robbins Avenue, Philadelphia, PA 19111-5094, Telephone (215) 697-2667/2179, Facsimile (215) 697-1462.

(End of Provision)

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L-15 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE FEB/1998

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far/> or <http://www.acq.osd.mil/dpap/dars/index.htm> or <http://farsite.hill.af.mil/VFAFARA.HTM>

L-16 52.252-5 AUTHORIZED DEVIATIONS IN PROVISIONS APR/1984

(a) The use in this solicitation of any Federal Acquisition Regulation (48 CFR Chapter 1) provision with an authorized deviation is indicated by the addition of (DEVIATION) after the date of the provision.

(b) The use in this solicitation of any DoD FAR SUPPLEMENT (48 CFR Chapter 2) provision with an authorized deviation is indicated by the addition of (DEVIATION) after the name of the regulation.

(End of clause)

L-17 52.211-4047 NOTICE TO OFFERORS INTENDING TO OFFER OTHER THAN NEW MATERIAL DEC/2004
(TACOM) (NEGOTIATED)

(a) We intend to acquire only new material. Unless this contract otherwise requires virgin material or supplies composed of, or manufactured from, virgin material, the contractor shall provide supplies that are new, as defined in this clause.

(b) Definitions:

(1) "New" means composed of previously unused components, whether manufactured from virgin material, recovered material in the form of raw material, or materials and by-products generated from, and reused within, an original manufacturing process; provided that the supplies meet contract requirements, including but not limited to, performance, reliability, and life expectancy.

(2) "Reconditioned" means restored to the original normal operating condition by readjustments and material replacement.

(3) "Recovered material" means waste materials and by-products that have been recovered or diverted from solid waste including post-consumer material, but such term does not include those materials and by-products generated from, and commonly reused within, an original manufacturing process.

(4) "Remanufactured" means factory rebuilt to original specifications.

(5) "Virgin material" means previously unused raw material, including previously unused copper, aluminum, lead, zinc, iron, other metal or metal ore, or any undeveloped resource that is, or with new technology will become, a source of raw materials

(6) "Residual Inventory" means inventory from a transferred or terminated Government or commercial contract.

(c) Used, reconditioned, remanufactured supplies, unused former Government surplus property, or residual inventory shall not be used unless the contractor has proposed the use of such supplies, and the Contracting Officer has authorized their use.

(d) Offers to provide other than new material shall be submitted to the Contracting Officer for approval:

(1) Offerors of other than new material must provide sufficient information from which a determination of acceptability can be made. Contractors who intend to offer other than new material are to fill out the Other Than New Material Worksheet at: http://contracting.tacom.army.mil/acqinfo/OT_NEW_MATERIAL.htm . Form must be completely filled out and is to accompany your offer.

(e) If the use of used, reconditioned, remanufactured items, unused former Government surplus property, or residual inventory are approved by the Contracting Officer, we may require you to meet specific marking, inspection, and testing requirements beyond those

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- 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 security clearance information with their supporting Security Coordinator or G2, TACOM LCMC using JPAS or the TACOM LCMC Access Roster prior to providing contractor access to classified information based on the approved DD254.
- f) **REGULATORY COMPLIANCE.** All contractor employees working on the U.S. Army installation, Detroit Arsenal, in the State of Michigan, in connection with this contract, shall conform to all applicable federal or state laws, and published rules and regulations of the Departments of Defense and Army. Also, they must comply with any existing applicable regulations promulgated by Detroit Arsenal, TACOM LCMC, or the Senior Commander. Additionally, all contractor employees working on classified contracts shall comply with the requirements of the National Industrial Security Program (NISPOM) and Army Regulation 380-5, Department of the Army Information Security Program and their approved DD254.
- g) **NON-DISCLOSURE AGREEMENT.** Each contractor employee working at the Detroit Arsenal property under this contract shall sign a Non-disclosure Agreement on their company's letterhead prior to commencing work under the contract or obtaining the badges permitting access to the property. There will be one Non-disclosure Agreement for each employee. The Non-disclosure Agreement shall be in the format indicated below. A copy of the agreement will be made a part of the contract file.

FORMAT FOR

NON-DISCLOSURE AGREEMENT

I, _____, an employee of _____, a Contractor providing support services/supplies to Detroit Arsenal, TACOM LCMC, or other tenant organizations (hereinafter Detroit Arsenal), and likely to have access to nonpublic information (hereinafter RECIPIENT), under contract number _____, agree to and promise the following:

WHEREAS RECIPIENT is engaged in delivery support services to Detroit Arsenal under contract; and

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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]

L-21 DA, 52.215- ABILITY ONE SUBCONTRACTING CREDIT APR/2010
5111

a. In accordance with Public Law 102-396, AbilityOne organizations will be afforded the maximum practical opportunity to participate as subcontractors and suppliers in the performance of this contract.

b. As prescribed by 10 U.S.C. 2401d and Section 9077 of Public Law 102-396, and in accordance with DFARS 219-703, Eligibility requirements for participating in the program, offers may receive credit toward the small business subcontracting goal for subcontracts placed with qualified nonprofit agencies participating in the AbilityOne program. AbilityOne organizations are qualified nonprofit agencies for the blind and other severely disabled that are approved by the Committee for Purchase from People Who Are Blind or Severely Disabled under the Javits-Wagner-O'Day Act (41 U.S.C. 46-48).

c. For additional information on AbilityOne's program and products see <http://www.abilityone.gov/index.html>

d. For additional information on DoD activities in support of AbilityOne, see http://www.acq.osd.mil/dpap/cpic/cp/abilityone_program.html

[End of provision]

L-22 52.233-4001 HQ-AMC LEVEL PROTEST PROCEDURES OCT/2013

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An agency protest may be filed with either the contracting officer or to HQAMC but not both following the procedures listed on the website above.

[End of Provision]

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| L-23 | 52.245-4002 (TACOM) | ACQUISITION OF NEW FACILITIES, SPECIAL TEST EQUIPMENT, OR SPECIAL TOOLING | MAR/1996 |
|------|------------------------|---|----------|

(a) It is not the intent of the Government to acquire, or to have acquired for its account, any facilities, special test equipment, or special tooling as those terms are defined below. The Government shall under no circumstances reimburse the offeror for the cost of any new facilities, special test equipment, or special tooling as a separate item. An offeror may, however, amortize the cost of any such facilities, special test equipment, or special tooling it may require in the submitted price of the items. Such facilities, special test equipment or special tooling shall not be subject to Government option rights to take title to the same except as specified in the DEFAULT, TERMINATION FOR THE CONVENIENCE OF THE GOVERNMENT, and/or PROGRESS PAYMENT clauses of this contract.

(b) As used in this solicitation/contract, FACILITIES means industrial property (other than material, special tooling, military property, and special test equipment) for production, maintenance, research, development, or test, including real property and rights in it, buildings, structures, improvements, and plant equipment.

(c) As used in this solicitation/contract, SPECIAL TEST EQUIPMENT means either single or multipurpose integrated test units engineered, designed, fabricated, or modified to accomplish special purpose testing in the performance of the contract. Such testing units comprise electrical, electronic, hydraulic, pneumatic, mechanical, or other items or assemblies of equipment, that are mechanically, electrically, or electronically interconnected so as to become a new functional entity, causing the individual item or items to become interdependent and essential in the performance of special purpose testing in the development or production of particular supplies or services. The term SPECIAL TEST EQUIPMENT does not include: (1) material; (2) special tooling; (3) buildings and nonseverable structures (except foundations and similar improvements necessary for the installation of special test equipment); and (4) plant equipment items used for general plant testing purposes.

(d) As used in this solicitation/contract, SPECIAL TOOLING means all jigs, dies, fixtures, molds, patterns, taps, gauges, other equipment and manufacturing aids, and their replacements, which are of such a specialized nature that, without substantial modification or alteration, their use is limited to the development or production of particular supplies or parts of them, or the performance of particular services. The term includes all components of such items, but does not include: (1) material; (2) special test equipment; or (3) buildings, and nonseverable structures (except foundations and similar improvements necessary for the installation of special tooling), general or special machine tools, or similar capital items.

[End of Provision]

Name of Offeror or Contractor:

SECTION M - EVALUATION FACTORS FOR AWARD

This document incorporates one or more provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a provision may be accessed electronically at these addresses:

<http://farsite.hill.af.mil/VFFARA.HTM> or <http://farsite.hill.af.mil/VDFDARA.HTM> or <http://farsite.hill.af.mil/VFAFARA.HTM>

If the provision requires additional or unique information, then that information is provided immediately after the provision title.

| | <u>Regulatory Cite</u> | <u>Title</u> | <u>Date</u> |
|-----|------------------------|---|-------------|
| M-1 | 52.209-4011 (TACOM) | CONTRACTOR RESPONSIBILITY AND ELIGIBILITY FOR AWARD | JAN/2001 |

- (a) We'll award a contract to the offeror that:
 - (1) submits the lowest evaluated offer if award is based on price only, or the offer that provides the best value to the Government if factors in addition to price are identified elsewhere in this solicitation, and
 - (2) submits a bid or proposal that meets all the material requirements of this solicitation, and
 - (3) meets all the responsibility criteria at FAR 9.104.

- (b) To make sure that you meet the responsibility criteria at FAR 9.104 we may:
 - (1) arrange a visit to your plant and perform a preaward survey;
 - (2) ask you to provide financial, technical, production, or managerial background information.

- (c) If you don't provide us with the data we ask for within 7 days from the date you receive our request, or if you refuse to have us visit your facility, we may determine you nonresponsible.

- (d) If we visit your facility, please make sure that you have current certified financial statements and other data relevant to your bid or proposal available for our team to review.

[End of Provision]