

<b>AWARD/CONTRACT</b>		<b>1. This Contract Is A Rated Order Under DPAS (15 CFR 700)</b>	<b>Rating</b> DXA4	<b>Page</b> 1	<b>Of</b> 109	<b>Pages</b>
<b>2. Contract (Proc. Inst. Ident.) No.</b> W56HZV-13-C-0180		<b>3. Effective Date</b> 2013AUG01	<b>4. Requisition/Purchase Request/Project No.</b> SEE SCHEDULE			
<b>5. Issued By</b> U.S. ARMY CONTRACTING COMMAND MICHAEL D. THOMAS WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL		<b>Code</b> W56HZV	<b>6. Administered By (If Other Than Item 5)</b> DCMA CHICAGO 1523 WEST CENTRAL ROAD BLDG 203 ARLINGTON HEIGHTS IL 60005-2451		<b>Code</b> S1403A	
<b>e-mail address:</b> MICHAEL.THOMAS95@US.ARMY.MIL						

<b>7. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)</b> OSHKOSH CORPORATION 2307 OREGON ST OSHKOSH, WI 54902-7062		<b>8. Delivery</b> <input type="checkbox"/> FOB Origin <input checked="" type="checkbox"/> Other (See Below)	
<b>Code</b> 45152		<b>9. Discount For Prompt Payment</b>	
<b>Facility Code</b>		<b>10. Submit Invoices (4 Copies Unless Otherwise Specified)</b>	
		<b>To The Address Shown In:</b>	
		<b>Item</b> 12	

<b>11. Ship To/Mark For</b> SEE SCHEDULE		<b>Code</b>	<b>12. Payment Will Be Made By</b> DFAS-COLUMBUS CENTER DFAS-CO WEST ENTITLEMENT OPERATIONS P.O. BOX 182381 COLUMBUS, OH 43218-2381		<b>Code</b> HQ0339
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<b>13. Authority For Using Other Than Full And Open Competition:</b> <input checked="" type="checkbox"/> 10 U.S.C. 2304(c)(1) <input type="checkbox"/> 41 U.S.C. 253(c)		<b>14. Accounting And Appropriation Data</b> SEE SECTION G			
<b>15A. Item No.</b>	<b>15B. Supplies/Services</b>	<b>15C. Quantity</b>	<b>15D. Unit</b>	<b>15E. Unit Price</b>	<b>15F. Amount</b>
SEE SCHEDULE					
<b>15G. Total Amount Of Contract</b> →					\$1,472,512.70

(X)	Sec.	Description	Page(s)	(X)	Sec.	Description	Page(s)
<b>Part I - The Schedule</b>				<b>Part II - Contract Clauses</b>			
X	A	Solicitation/Contract Form	1	X	I	Contract Clauses	87
X	B	Supplies or Services and Prices/Costs	5	<b>Part III - List Of Documents, Exhibits, And Other Attachments</b>			
X	C	Description/Specs./Work Statement	15	X	J	List of Attachments	109
	D	Packaging and Marking		<b>Part IV - Representations And Instructions</b>			
X	E	Inspection and Acceptance	67		K	Representations, Certifications, and Other Statements of Offerors	
X	F	Deliveries or Performance	68		L	Instrs., Conds., and Notices to Offerors	
X	G	Contract Administration Data	72		M	Evaluation Factors for Award	
X	H	Special Contract Requirements	74				

**Contracting Officer Will Complete Item 17 (Sealed-Bid or Negotiated Procurement) Or 18 (Sealed-Bid Procurement) As Applicable**

<b>17.</b> <input checked="" type="checkbox"/> Contractor's Negotiated Agreement (Contractor is required to sign this document and return 2 signed copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)	<b>18.</b> <input type="checkbox"/> Sealed-Bid Award (Contractor is not required to sign this document.) Your bid on Solicitation Number _____, including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your bid, and (b) this award/contract. No further contractual document is necessary. (Block 18 should be checked only when awarding a sealed-bid contract.)
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<b>19A. Name And Title Of Signer (Type Or Print)</b>		<b>20A. Name Of Contracting Officer</b> ARDELLA ANDERSON ARDELLA.ANDERSON@US.ARMY.MIL (586)282-9598	
<b>19B. Name of Contractor</b>	<b>19c. Date Signed</b>	<b>20B. United States Of America</b>	<b>20C. Date Signed</b> 2013AUG01
By _____ (Signature of person authorized to sign)		By _____ /SIGNED/ (Signature of Contracting Officer)	

<b>CONTINUATION SHEET</b>	<b>Reference No. of Document Being Continued</b>	<b>Page 2 of 109</b>
	PIIN/SIIN W56HZV-13-C-0180 MOD/AMD	
<b>Name of Offeror or Contractor:</b> OSHKOSH CORPORATION		

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: MICHAEL D. THOMAS  
 Buyer Office Symbol/Telephone Number: CCTA-HCB-C/(586)282-8311  
 Type of Contract: Cost Plus Fixed Fee  
 Kind of Contract: Service Contracts  
 Type of Business: Large Business Performing in U.S.  
 Surveillance Criticality Designator: A  
 Weapon System: No Identified Army Weapons Systems  
 Contract Expiration Date: 2014DEC31

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

<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](http://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=w56hzv12r0088](https://acquisition.army.mil/asfi/solicitation_view.cfm?psolicitationnbr=w56hzv12r0088)

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

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

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

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

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

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

<b>CONTINUATION SHEET</b>	<b>Reference No. of Document Being Continued</b> <b>PIIN/SIIN</b> W56HZV-13-C-0180 <b>MOD/AMD</b>	<b>Page</b> 3 <b>of</b> 109
<b>Name of Offeror or Contractor:</b> OSHKOSH CORPORATION		

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

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

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

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

End of Provision

A-2            52.204-4850            ACCEPTANCE APPENDIX            SEP/2008

(a) Contract Number W56HZV-13-C-0180 is awarded to Oshkosh Corporation.

(b) The contractor, in its proposal, provided data for various solicitation clauses, and that data has been added in this contract.

(c) Any attachments not included within this document will be provided by Army Contracting Command - Warren directly to the administrative contracting officer (ACO) via e-mail, as required. Technical data packages that are only available on CD-ROM will be mailed by Army Contracting Command - Warren to the ACO. Within one week of this award, any office not able to obtain attachments from the Army Contracting Command - Warren website (<https://contracting.tacom.army.mil/>) and still requiring a copy, can send an email request to the buyer listed on the front page of this contract.

(d) The following Amendment(s) to the solicitation are incorporated into this contract: 0001, 0002, 0003, 0004, and 0005

[End of Clause]

A-3            52.201-4000            ARMY CONTRACTING COMMAND-WARREN (DTA) OMBUDSPERSON            APR/2011

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

[End of Provision]

A-4            52.217-4911            NOTICE OF URGENT REQUIREMENT            NOV/2001

Army Contracting Command - Warren considers this requirement to be urgent. Timely performance and delivery are essential. Deliveries ahead of schedule are encouraged whenever they can be offered without additional cost to the Government. The Contractor is requested to immediately contact the buyer or contracting officer identified on the cover page of this document to notify them of any pending or potential problems and/or suggestions for contract streamlining that would enable faster deliveries.

[End of Provision]

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**Name of Offeror or Contractor:** OSHKOSH CORPORATION

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PIIN/SIIN W56HZV-13-C-0180

MOD/AMD

**Name of Offeror or Contractor:** OSHKOSH CORPORATION

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

## B.1 ESTIMATED COST, FIXED FEE and PAYMENT

B.1.1 Estimated costs for performance of work (labor/manhours, material, and other direct costs) under this contract, exclusive of the contractor's fee, are set forth in Section B at the CLIN level. The amounts shown shall constitute individual estimated costs for the purpose of the general provision of the contract entitled, LIMITATION OF COST, FAR 52.232-20. The provisions of the clause LIMITATION OF COST notwithstanding, the limitation shall apply to each CLIN of the contract. The estimated cost and fixed fee for labor/manhours, material, and other direct costs under each CLIN are based upon the contractor furnishing the maximum level of effort specified at the CLIN level during the period of performance set forth in the Work Directive. To support payment for work performed under this contract, the contractor shall, on each voucher submitted, state the level of effort expended and shall certify that said level of effort has been expended in the accomplishment of the work called for by the contract. Expenditure of labor hours in excess of the quantity specified in the work directive is not authorized. Allowable costs shall be determined and payment shall be as provided in the Section I clause entitled ALLOWABLE COST AND PAYMENT, FAR 52.216-7.

B.1.2 A fixed fee, as set forth at the CLIN level, shall be paid for the labor/manhours, material and other direct costs to the contractor at the completion of the period of performance set forth in the Work Directive, upon certification of the contractor that he has exerted the level of effort specified in performing the work called for herein, and such performance is considered satisfactory by the Contracting Officer. However, the contractor may present with each voucher for its costs (whether for labor/manhours, material or other direct costs), a fee voucher in the amount bearing the same relation to the CLIN fixed fee as the accompanying cost voucher bears to the applicable CLIN estimated cost. Payment of the fixed fee shall be subject to the withholding set forth in Paragraph (B) of the Section I general provision entitled FIXED FEE, FAR 52.216-8.

## B.2 BASE PERIOD AND OPTION PERIOD

B.2.1 The base period of performance is twelve (12) months, from the time of award. The Government shall have the unilateral right/option to extend the period of performance for an additional option period, through 31 December 2014. The Government shall exercise its unilateral right to extend the period of performance any time before but no later than 30 days before the contract is set to expire.

B.2.1.1 The base period and option period (if exercised) are the overall period of performance of the contract. Individual work directives may be awarded by the Government within the base or option period and will each specify its own period of performance. At no time shall individual work directive performance extend past the overall contract period of performance. The overall contract period of performance may be extended via option exercise (reference 52.217-8 "Option to Extend Services" and B.2.1).

B.2.2 During the timeframe of this contract, the Government shall have the unilateral right/option to incrementally increase the number of STS labor/manhours, material dollars and other direct costs dollars for the various CLINs. A pool of hours is being established (see B.3 below), which represents a cumulative amount of hours available. If exercised, the contract shall be increased on a cost-plus-fixed fee basis, as specified below. A Material and Other Direct Cost (ODC) ceiling will be established and available to be drawn on.

## B.3 LABOR/MANHOURS

B.3.1 A rate for additional labor/manhours is established and available base period hours may be exercised unilaterally to awarded Work Directives (as may associated available portions of material and other direct costs ceiling figures), subject to the availability of funds. Labor/manhours shall be utilized as directed by Work Directive.

B.3.2 Rates for the base period are established and may be exercised during the period from date of award through 12 months from the date of award. 555,538 labor/manhours are available for 12 months from the award date. Total maximum labor funding ceiling for the base period is \$30,761,162. Hourly rates for each CLIN, respectively are broken out as follows:

LABOR	CLIN	EST. COST	FIXED FEE	TOTAL COST-
				PLUS-FIXED-FEE
Program Management	0001	\$84.34	\$ 7.56	\$91.90
Engineering Services	0002	\$84.34	\$ 7.56	\$91.90
Engineering services R&D	0003	\$84.34	\$11.35	\$95.69
Logistics Services	0004	\$78.14	\$ 7.02	\$85.16
Field Service Rep (FSR) CONUS	0005	\$37.56	\$ 3.38	\$40.94
FSR OCONUS Afghanistan	0006	\$47.12	\$ 4.24	\$51.36
FSR OCONUS Kuwait	0007	\$41.97	\$ 3.78	\$45.75

B.3.3 Option Period rates are established and available option period hours may be exercised unilaterally to awarded Work Directives (as may associated material and other direct costs ceiling figures) no later than the expiration of the option period. 324,064 labor/manhours are available for option exercise. Total maximum labor funding ceiling for the option period is \$18,589,757. Option hourly rates for each CLIN, respectively are broken out as follows:

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**Name of Offeror or Contractor:** OSHKOSH CORPORATION

<u>LABOR</u>	<u>CLIN</u>	<u>EST. COST</u>	<u>FIXED FEE</u>	<u>TOTAL COST- PLUS-FIXED-FEE</u>
Program Management	0001	\$86.78	\$ 7.78	\$94.56
Engineering Services	0002	\$86.78	\$ 7.78	\$94.56
Engineering services R&D	0003	\$86.78	\$11.67	\$98.45
Logistics Services	0004	\$80.30	\$ 7.21	\$87.51
Field Service Rep (FSR) CONUS	0005	\$38.60	\$ 3.47	\$42.07
FSR OCONUS Afghanistan	0006	\$49.39	\$ 4.44	\$53.83
FSR OCONUS Kuwait	0007	\$43.98	\$ 3.96	\$47.94

## B.4 TOTAL CONTRACT

B.4.1 A total funding ceiling, for the entire contract, is established at \$ 77,577,693 and may be exercised, subject to the availability of funds.

## B.5 MATERIAL/ODC

B.5.1 A Material/ODC ceiling, for the entire contract, is established at \$26,220,767 and may be exercised, subject to the availability of funds. Materials shall be utilized as directed by Work Directive.

## B.6 Travel

B.6.1 A Travel ceiling, for the entire contract, is established at \$2,006,007 and may be exercised, subject to the availability of funds. Travel costs will be reimbursed on a cost no fee basis. Travel shall be utilized as directed by Work Directive.

## B.7 ADDITIONAL CLINS

B.7.1 The creation of additional CLINS may become necessary when a peculiar situation arises or special funds need to be isolated from other funds in a particular CLIN. By mutual consent, existing rates shall be used; but in those instances where a rate is not applicable, the contractor will prepare a cost proposal/estimate for the effort. Hours will be drawn from the base period or options, identified above.

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

In accordance with FAR 52.232-20 "Limitation of Cost", the contractor is required to notify the USG in writing whenever it has reason to believe that within the next 7 days any CLIN total will exceed 75% of the total CLIN funding. Additionally, the data submitted in CDRL A006 "Monthly Cost Report" or CDRL A008 "Monthly STS Workdirective Report" does not constitute such formal contractor notification.

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

CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN W56HZV-13-C-0180 MOD/AMD

Name of Offeror or Contractor: OSHKOSH CORPORATION

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	<p><u>PROGRAM MANAGEMENT</u></p> <p>System Technical Support for M-ATV, MRAP Vehicles, and derivatives from Oshkosh. See Statement of Work, section C.2.</p> <p>For hours under the Base Period, (Award Date plus 12 months)the Contractor shall furnish all services necessary to accomplish the tasks within the Work Directives, at the following hourly labor rates:</p> <p>Base Period Rate                      Cost* \$ 84.34                      Fixed Fee \$ 7.56                      Total \$ 91.90 per man-hour</p> <p>----</p> <p>For hours under the Option Period (01 Aug 2014 through 31 Dec 2014), if exercised, the Contractor shall furnish all services necessary to accomplish the tasks within the Work Directives, at the following hourly labor rates:</p> <p>Option Period Rate                      Cost* \$ 86.78                      Fixed Fee \$ 7.78                      Total \$ 94.56 per man-hour</p> <p>----</p> <p>* Includes Facilities Capital Cost of Money (FCCM)</p> <p>(End of narrative B001)</p>				
0001AA	<p><u>PROGRAM MANAGMENT - BASE PERIOD</u></p> <p>GENERIC NAME DESCRIPTION: MATV Program Managem                      PRON: 2M2APL02Q7 PRON AMD: 01 ACRN: AA</p> <p>START OF WORK: DATE OF WORK DIRECTIVE ISSUANCE                      END OF PERIOD: 365 DAC                      LEVEL OF EFFORT: 7,440 HOURS</p> <p>Work Directive: MATV-13-0001</p> <p>Estimated Labor Cost: \$ 627,489.60                      Labor Fee: \$ 56,246.40                      Total CPFF: \$ 683,736.00</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u></p>	1	LO		\$ 683,736.00

Name of Offeror or Contractor: OSHKOSH CORPORATION

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT																					
0002	<p>INSPECTION: Destination      ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u></p> <table border="0"> <tr> <td>DLVR SCH</td> <td></td> <td>PERF COMPL</td> </tr> <tr> <td><u>REL CD</u></td> <td><u>QUANTITY</u></td> <td><u>DATE</u></td> </tr> <tr> <td>001</td> <td>1</td> <td>01-AUG-2014</td> </tr> </table> <p style="text-align: right;">\$ 683,736.00</p> <p><u>ENGINEERING SERVICES</u></p> <p>System Technical Support for M-ATV, MRAP Vehicles, and derivatives from Oshkosh. See Statement of Work, section C.3, C.4, and/or C.5.</p> <p>For hours under the Base Period, (Award Date plus 12 months) the Contractor shall furnish all services necessary to accomplish the tasks within the Work Directives, at the following hourly labor rates:</p> <p>Base Period Rate</p> <table border="0"> <tr> <td>Cost*</td> <td>\$ 84.34</td> </tr> <tr> <td>Fixed Fee</td> <td>\$ 7.56</td> </tr> <tr> <td>Total</td> <td>\$ 91.90 per man-hour</td> </tr> </table> <p style="text-align: center;">----</p> <p>For hours under the Option Period (01 Aug 2014 through 31 Dec 2014), if exercised, the Contractor shall furnish all services necessary to accomplish the tasks within the Work Directives, at the following hourly labor rates:</p> <p>Option Period Rate</p> <table border="0"> <tr> <td>Cost*</td> <td>\$ 86.78</td> </tr> <tr> <td>Fixed Fee</td> <td>\$ 7.78</td> </tr> <tr> <td>Total</td> <td>\$ 94.56 per man-hour</td> </tr> </table> <p style="text-align: center;">----</p> <p>* Includes Facilities Capital Cost of Money (FCCM)</p> <p style="text-align: center;">(End of narrative A001)</p>	DLVR SCH		PERF COMPL	<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>	001	1	01-AUG-2014	Cost*	\$ 84.34	Fixed Fee	\$ 7.56	Total	\$ 91.90 per man-hour	Cost*	\$ 86.78	Fixed Fee	\$ 7.78	Total	\$ 94.56 per man-hour				
DLVR SCH		PERF COMPL																								
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Cost*	\$ 86.78																									
Fixed Fee	\$ 7.78																									
Total	\$ 94.56 per man-hour																									
0002AA	<p><u>ENGINEERING SERVICES - BASE PERIOD</u></p> <p>GENERIC NAME DESCRIPTION: MATV Program Managem                  PRON: 2M2APL02Q7      PRON AMD: 01      ACRN: AA</p> <p>START OF WORK: DATE OF WORK DIRECTIVE ISSUANCE                  END OF PERIOD: 365 DAC                  LEVEL OF EFFORT: 7,193 HOURS</p>	1	LO		\$ 661,036.70																					

CONTINUATION SHEET

Reference No. of Document Being Continued  
 PIIN/SIIN W56HZV-13-C-0180 MOD/AMD

Name of Offeror or Contractor: OSHKOSH CORPORATION

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT																					
0003	<p>Work Directive: MATV-13-0002</p> <p>Estimated Labor Cost: \$ 606,657.62                      Labor Fee: \$ 54,379.08                      Total CPPF: \$ 661,036.70</p> <p>Work Directive MATV-13-0002 includes Engineering Services (7,193 hours on Sub-CLIN 0002AA) and Logistics Services (1,500 hours on Sub-CLIN 0004AA)</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u></p> <table border="0"> <tr> <td>DLVR SCH</td> <td></td> <td>PERF COMPL</td> </tr> <tr> <td><u>REL CD</u></td> <td><u>QUANTITY</u></td> <td><u>DATE</u></td> </tr> <tr> <td>001</td> <td>1</td> <td>01-AUG-2014</td> </tr> </table> <p>\$ 661,036.70</p> <p><u>ENGINEERING SERVICES - R&amp;D</u></p> <p>System Technical Support for M-ATV, MRAP Vehicles, and derivatives from Oshkosh. See Statement of Work, section C.3, C.4, and/or C.5.</p> <p>For hours under the Base Period, (Award Date plus 12 months) the Contractor shall furnish all services necessary to accomplish the tasks within the Work Directives, at the following hourly labor rates:</p> <p>Base Period Rate</p> <table border="0"> <tr> <td>Cost*</td> <td>\$ 84.34</td> </tr> <tr> <td>Fixed Fee</td> <td>\$ 11.35</td> </tr> <tr> <td>Total</td> <td>\$ 95.69 per man-hour</td> </tr> </table> <p>----</p> <p>For hours under the Option Period (01 Aug 2014 through 31 Dec 2014), if exercised, the Contractor shall furnish all services necessary to accomplish the tasks within the Work Directives, at the following hourly labor rates:</p> <p>Option Period Rate</p> <table border="0"> <tr> <td>Cost*</td> <td>\$ 86.78</td> </tr> <tr> <td>Fixed Fee</td> <td>\$ 11.67</td> </tr> <tr> <td>Total</td> <td>\$ 98.45 per man-hour</td> </tr> </table> <p>----</p>	DLVR SCH		PERF COMPL	<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>	001	1	01-AUG-2014	Cost*	\$ 84.34	Fixed Fee	\$ 11.35	Total	\$ 95.69 per man-hour	Cost*	\$ 86.78	Fixed Fee	\$ 11.67	Total	\$ 98.45 per man-hour				
DLVR SCH		PERF COMPL																								
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Name of Offeror or Contractor: OSHKOSH CORPORATION

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	<p>* Includes Facilities Capital Cost of Money (FCCM)</p> <p>(End of narrative A001)</p> <p><u>LOGISTICS SERVICES</u></p> <p>System Technical Support for M-ATV, MRAP Vehicles, and derivatives from Oshkosh. See Statement of Work, section C.6.</p> <p>For hours under the Base Period, (Award Date plus 12 months) the Contractor shall furnish all services necessary to accomplish the tasks within the Work Directives, at the following hourly labor rates:</p> <p>Base Period Rate                      Cost* \$ 78.14                      Fixed Fee \$ 7.02                      Total \$ 85.16 per man-hour</p> <p>----</p> <p>For hours under the Option Period (01 Aug 2014 through 31 Dec 2014), if exercised, the Contractor shall furnish all services necessary to accomplish the tasks within the Work Directives, at the following hourly labor rates:</p> <p>Option Period Rate                      Cost* \$ 80.30                      Fixed Fee \$ 7.21                      Total \$ 87.51 per man-hour</p> <p>----</p> <p>* Includes Facilities Capital Cost of Money (FCCM)</p> <p>(End of narrative A001)</p>				
0004AA	<p><u>LOGISTICS SERVICES</u></p> <p>GENERIC NAME DESCRIPTION: MATV Program Managem                      PRON: 2M2APL02Q7 PRON AMD: 01 ACRN: AA</p> <p>START OF WORK: DATE OF WORK DIRECTIVE ISSUANCE                      END OF PERIOD: 365 DAC                      LEVEL OF EFFORT: 1,500</p> <p>Work Directive: MATV-13-0002</p> <p>Estimated Labor Cost: \$ 117,210.00</p>	1	LO		\$ 127,740.00

CONTINUATION SHEET

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 PIIN/SIIN W56HZV-13-C-0180 MOD/AMD

Name of Offeror or Contractor: OSHKOSH CORPORATION

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT																					
0005	<p>Labor Fee: \$ 10,530.00                      Total CPFF: \$ 127,740.00</p> <p>Work Directive MATV-13-0002 includes Engineering Services (7,193 hours on Sub-CLIN 0002AA) and Logistics Services (1,500 hours on Sub-CLIN 0004AA)</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u></p> <table border="0"> <tr> <td>DLVR SCH</td> <td></td> <td>PERF COMPL</td> </tr> <tr> <td><u>REL CD</u></td> <td><u>QUANTITY</u></td> <td><u>DATE</u></td> </tr> <tr> <td>001</td> <td>1</td> <td>01-AUG-2014</td> </tr> </table> <p>\$ 127,740.00</p> <p><u>FIELD SERVICE REPRESENTATIVES - CONUS</u></p> <p>System Technical Support for M-ATV, MRAP Vehicles, and derivatives from Oshkosh. See Statement of Work, section C.13.</p> <p>For hours under the Base Period, (Award Date plus 12 months) the Contractor shall furnish all services necessary to accomplish the tasks within the Work Directives, at the following hourly labor rates:</p> <p>Base Period Rate</p> <table border="0"> <tr> <td>Cost*</td> <td>\$ 37.56</td> </tr> <tr> <td>Fixed Fee</td> <td>\$ 3.38</td> </tr> <tr> <td>Total</td> <td>\$ 40.94 per man-hour</td> </tr> </table> <p>----</p> <p>For hours under the Option Period (01 Aug 2014 through 31 Dec 2014), if exercised, the Contractor shall furnish all services necessary to accomplish the tasks within the Work Directives, at the following hourly labor rates:</p> <p>Option Period Rate</p> <table border="0"> <tr> <td>Cost*</td> <td>\$ 38.60</td> </tr> <tr> <td>Fixed Fee</td> <td>\$ 3.47</td> </tr> <tr> <td>Total</td> <td>\$ 42.07 per man-hour</td> </tr> </table> <p>----</p> <p>* Includes Facilities Capital Cost of Money (FCCM)</p> <p>(End of narrative A001)</p>	DLVR SCH		PERF COMPL	<u>REL CD</u>	<u>QUANTITY</u>	<u>DATE</u>	001	1	01-AUG-2014	Cost*	\$ 37.56	Fixed Fee	\$ 3.38	Total	\$ 40.94 per man-hour	Cost*	\$ 38.60	Fixed Fee	\$ 3.47	Total	\$ 42.07 per man-hour				
DLVR SCH		PERF COMPL																								
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Name of Offeror or Contractor: OSHKOSH CORPORATION

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0006	<p><u>FIELD SERVICE REPRESENTATIVES-OCONUS-AFGHANISTAN</u></p> <p>GENERIC NAME DESCRIPTION: MATV STS                      CLIN CONTRACT TYPE:                      Cost Plus Fixed Fee</p> <p>System Technical Support for M-ATV, MRAP Vehicles, and derivatives from Oshkosh. See Statement of Work, section C.13.</p> <p>For hours under the Base Period, (Award Date plus 12 months) the Contractor shall furnish all services necessary to accomplish the tasks within the Work Directives, at the following hourly labor rates:</p> <p>Base Period Rate                      Cost*                 \$ 47.12                      Fixed Fee             \$ 4.24                      Total                   \$ 51.36 per man-hour</p> <p>----</p> <p>For hours under the Option Period (01 Aug 2014 through 31 Dec 2014), if exercised, the Contractor shall furnish all services necessary to accomplish the tasks within the Work Directives, at the following hourly labor rates:</p> <p>Option Period Rate                      Cost*                 \$ 49.39                      Fixed Fee             \$ 4.44                      Total                   \$ 53.83 per man-hour</p> <p>----</p> <p>* Includes Facilities Capital Cost of Money (FCCM)</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Destination      ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u></p>				
0007	<p><u>FIELD SERVICE REPRESENTATIVES-OCONUS-KUWAIT</u></p> <p>GENERIC NAME DESCRIPTION: MATV STS                      CLIN CONTRACT TYPE:                      Cost Plus Fixed Fee</p>				

Name of Offeror or Contractor: OSHKOSH CORPORATION

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0008	<p>System Technical Support for M-ATV, MRAP Vehicles, and derivatives from Oshkosh. See Statement of Work, section C.13.</p> <p>For hours under the Base Period, (Award Date plus 12 months) the Contractor shall furnish all services necessary to accomplish the tasks within the Work Directives, at the following hourly labor rates:</p> <p>Base Period Rate                      Cost* \$ 41.97                      Fixed Fee \$ 3.78                      Total \$ 45.75 per man-hour</p> <p>----</p> <p>For hours under the Option Period (01 Aug 2014 through 31 Dec 2014), if exercised, the Contractor shall furnish all services necessary to accomplish the tasks within the Work Directives, at the following hourly labor rates:</p> <p>Option Period Rate                      Cost* \$ 43.98                      Fixed Fee \$ 3.96                      Total \$ 47.94 per man-hour</p> <p>----</p> <p>* Includes Facilities Capital Cost of Money (FCCM)</p> <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u></p> <p><u>TRAVEL</u></p> <p>GENERIC NAME DESCRIPTION: M-ATV TRAVEL                      CLIN CONTRACT TYPE:                      Cost Plus Fixed Fee</p> <p><u>Inspection and Acceptance</u>                      INSPECTION: Destination ACCEPTANCE: Destination</p> <p><u>Deliveries or Performance</u></p>				



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**Name of Offeror or Contractor:** OSHKOSH CORPORATION

## SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

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

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

[End of Clause]

C-2	52.204-4600	CONTRACTOR VERIFICATION SYSTEM (CVS) PROGRAM	APR/2007
-----	-------------	----------------------------------------------	----------

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

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

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

It is recommended that a Corporate Facility Security Officer (FSO) be established to serve as your firm's single point of contact for CVS. If a FSO is not established, each contractor employee requiring a CAC card will be required to process their own applications.

CAC applications must be processed through the DoD's Contractor Verification System (CVS). The contractor's FSO or contractor employee shall submit requests for a CAC via email to the CVS Trusted Agent (TA) at TBD before accessing the CVS website.

The government will establish a CVS application account for each CAC request and will provide each contractor employee a USER ID and Password via email to the FSO. The FSO or contractor employee shall access the CVS account and complete the CAC application (entering/editing contractor information as applicable) at <https://www.dmdc.osd.mil/appj/cvs/index.jsp>.

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

The government will inform the contractor's applicant via email of one of the following:

- Approved\*. Upon approval, the information is transferred to the Defense Enrollment Eligibility Reporting System (DEERS) database and an email notification is sent to the contractor with instructions on obtaining their CAC. The contractor proceeds to a Real-Time Automated Personnel Identification System (RAPIDS) station (<http://www.dmdc.osd.mil/rsl/owa/home> provides RAPIDS locations).
- Rejected\*. Government in separate correspondence will provide reason(s) for rejection.
- Returned. Additional information or correction to the application required by the contractor employee.

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

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

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

The contractor shall return issued CACs to the DEERS office upon return from deployment, departure or dismissal of each contractor



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MOD/AMD

**Name of Offeror or Contractor:** OSHKOSH CORPORATION

## Reporting party:

Name  
Phone number  
e-mail address

## Victim:

Name  
Gender (Male/Female)  
Age  
Nationality  
Country of permanent residence

## Incident:

Description  
Location  
Date and time  
Other Pertinent Information

(End of clause)

C-5            952.225-0003            FITNESS FOR DUTY AND MEDICAL/DENTAL CARE LIMITATIONS (AFGHANISTAN)            FEB/2013  
(C3)

(a) The contractor shall perform the requirements of this contract notwithstanding the fitness for duty of deployed employees, the provisions for care offered under this section, and redeployment of individuals determined to be unfit. Contractor personnel who deploy for multiple tours, for more than 12 months total must be re-evaluated for fitness to deploy. An examination will remain valid for 15 months from the date of the physical. The contractor bears the responsibility for ensuring all employees are aware of the conditions and medical treatment available at the performance location. The contractor shall include this information and requirement in all subcontracts with performance in the theater of operations.

(b) The contractor shall not deploy an individual with any of the following conditions unless approved by the appropriate CENTCOM Service Component (i.e. ARCENT, AFCENT, etc.) Surgeon: Conditions which prevent the wear of personal protective equipment, including protective mask, ballistic helmet, body armor, and chemical/biological protective garments; conditions which prohibit required theater immunizations or medications; conditions or current medical treatment or medications that contraindicate or preclude the use of chemical and biological protectives and antidotes; diabetes mellitus, Type I or II, on pharmacological therapy; symptomatic coronary artery disease, or with myocardial infarction within one year prior to deployment, or within six months of coronary artery bypass graft, coronary artery angioplasty, or stenting; morbid obesity (BMI  $\geq$  40%); dysrhythmias or arrhythmias, either symptomatic or requiring medical or electrophysiological control; uncontrolled hypertension, current heart failure, or automatic implantable defibrillator; therapeutic anticoagulation; malignancy, newly diagnosed or under current treatment, or recently diagnosed/treated and requiring frequent subspecialist surveillance, examination, and/or laboratory testing; dental or oral conditions requiring or likely to require urgent dental care within six months time, active orthodontic care, conditions requiring prosthodontic care, conditions with immediate restorative dentistry needs, conditions with a current requirement for oral-maxillofacial surgery; new onset (< 1 year) seizure disorder, or seizure within one year prior to deployment; history of heat stroke; Menieres Disease or other vertiginous/motion sickness disorder, unless well controlled on medications available in theater; recurrent syncope, ataxias, new diagnosis (< 1 year) of mood disorder, thought disorder, anxiety, somatoform, or dissociative disorder, or personality disorder with mood or thought manifestations; unrepaired hernia; tracheostomy or aphonia; renalithiasis, current; active tuberculosis; pregnancy; unclosed surgical defect, such as external fixeter placement; requirement for medical devices using AC power; HIV antibody positivity; psychotic and bipolar disorders. (Reference: Mod 11 to USCENTCOM Individual Protection and Individual/Unit Deployment Policy, Tab A: Amplification of the Minimal Standards of Fitness for Deployment to the CENTCOM AOR).

(c) In accordance with military directives (DoDI 3020.41, DoDI 6000.11, CFC FRAGO 09-1038, DoD Federal Acquisition Regulation Supplement (DFARS) PGI 225.74), resuscitative care, stabilization, hospitalization at Level III (emergency) military treatment facilities and assistance with patient movement in emergencies where loss of life, limb or eyesight could occur will be provided. Hospitalization will be limited to emergency stabilization and short-term medical treatment with an emphasis on return to duty or placement in the patient movement system. Subject to availability at the time of need, a medical treatment facility may provide reimbursable treatment for emergency medical or dental care such as broken bones, lacerations, broken teeth or lost fillings.

(d) Routine and primary medical care is not authorized. Pharmaceutical services are not authorized for routine or known, routine prescription drug needs of the individual. Routine dental care, examinations and cleanings are not authorized.

(e) Notwithstanding any other provision of the contract, the contractor shall be liable for any and all medically-related services or transportation rendered. To view reimbursement rates that will be charged for services at all DoD deployed medical facilities please go to the following website: <http://comptroller.defense.gov/rates/fy2012.html> (change fiscal year as applicable).

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**Name of Offeror or Contractor:** OSHKOSH CORPORATION

(End of Clause)

C-6 952.225-0005 MONTHLY CONTRACTOR CENSUS REPORTING  
(C3)

AUG/2011

Contractor shall provide monthly employee census information to the Contracting Officer, by province, for this contract. Information shall be submitted either electronically or by hard-copy. Information shall be current as of the 25th day of each month and received by the Contracting Officer no later than the first day of the following month. The following information shall be provided for each province in which work was performed:

- (1) The total number (prime and subcontractors at all tiers) employees.
- (2) The total number (prime and subcontractors at all tiers) of U.S. citizens.
- (3) The total number (prime and subcontractors at all tiers) of local nationals (LN).
- (4) The total number (prime and subcontractors at all tiers) of third-country nationals (TCN).
- (5) Name of province in which the work was performed.
- (6) The names of all company employees who enter and update employee data in the Synchronized Pre-deployment & Operational Tracker (SPOT) IAW DFARS 252.225-7040 or DFARS DOD class deviation 2011-00004.

(End of Clause)

C-7 952.225-0009 MEDICAL SCREENING AND VACCINATION REQUIREMENTS FOR LOCALLY HIRED  
(C3) EMPLOYEES

DEC/2011

(a) Contractors and subcontractors at any tier shall ensure and provide satisfactory evidence that all locally hired employees, including Local National (LN), Third Country National (TCN), and U.S. employees, working on bases have been screened for and do not currently have active tuberculosis (TB).

(1) Contractors may initially utilize a testing method of either a chest x-ray or TB skin test (TST), depending on the originating country of a contracted employee.

(i) Chest x-rays (CXR's), symptom survey, and Body Mass Index (BMI) shall be taken, and TSTs administered within 12 months prior to the start of deployment/employment. Contractors are required to bring in a physical copy of the pre-employment CXR film as it is the only way to verify interval changes should an active case of TB occur.

(A) Third Country Nationals (TCNs) and Local Nationals (LNs) cannot be screened with the TST. They need the pre-employment screening with a quality CXR, BMI and symptom survey.

(B) Small-Risk Nationals (SRNs), those with less than 25 TB cases per 100,000 persons annually (mostly expats from Europe and US), can be screened via the TST.

(ii) Annual re-screening for TCNs, and LNs will be performed with a CXR conducted by the Contractors medical provider or local economy provider who will look for interval changes from prior CXRs and review any changes in the symptom survey.

(iii) SRNs do not require annual TB re-screening. However, for a TB contact investigation, a TST or Interferon Gamma Release Assay (IGRA) is required.

(iv) For a contact investigation, all personnel with a positive TST or IGRA will be evaluated for potential active TB with a symptom screen, exposure history, BMI, and CXR. All cases of suspected or confirmed active TB must be reported to the theater Preventive Medicine (PM) physician and/or TB Consultant as soon as possible. TB reporting is required within 24 hours to the PM POC. Contact tracing, and medical coding have specific requirements. All Small-Risk National (SRN) contract personnel are required to be MEDEVACd out of theater, at the contractors expense, for treatment of active TB, after consultation with the Theater PM or TB Consultant. For SRN personnel, the contractor is responsible for management and compliance with all prescribed public health actions.

(v) Screening may be performed either by a licensed medical provider from the local economy or by the contractors licensed medical staffs. Contractors shall maintain medical screening documentation and make it available to the Contracting Officer upon request.

(2) TB screening and documentation is a requirement prior to receiving badges to work in the CENTCOM Area of Operations. A copy of the TB screening documentation shall be provided to the responsible Base Operations Center prior to issuance of base access badges.

(b) Contractor employees, including subcontractors at any tier, who work in food service positions and/or water and ice production facilities, shall have current Typhoid and Hepatitis A (full series) immunizations in accordance with the Centers for Disease Control and Prevention guidelines (e.g. typhoid vaccination booster is required every 2 years), in addition to the required TB tests. The contractor medical provider must complete a pre-placement examination to include a stool sample test for ova and parasites, and annual

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medical screening form or equivalent for food service, ice and water production workers.

(c) Proof of individual employee vaccinations shall be provided to the Contracting Officer and COR showing that their employees and their subcontractor employees at any tier have received the above vaccinations. The contractor shall maintain their employees vaccination records for examination by the Contracting Officer. The contractor shall ensure that their subcontractors at any tier maintain their respective employees vaccination records for examination by the Contracting Officer.

(d) The contractor is responsible for management and compliance with all prescribed public health actions regarding TB in the contracted personnel. The contractor also bears the responsibility of ensuring that adequate health management for TB (screening/diagnosis/treatment/isolation) is available at the contractors chosen health care provider for their contracted and subcontracted personnel.

NOTE: Contractors are reminded of the requirement to comply with their contract and all regulatory guidance (DoD Instructions/Regulations, Federal Acquisition Regulation as Supplemented, and FRAGOs) as applicable regarding Medical Screening and Vaccination Requirements.

(End of Clause)

C-8            952.225-0022            INBOUND/OUTBOUND CARGO AND CONTRACTOR EQUIPMENT CENSUS (AFGHANISTAN)            APR/2012  
(C3)

a. Movement and coordination of inbound and outbound cargo in Afghanistan is critical to ensuring an effective drawdown. The contractor shall provide visibility of their inbound cargo and equipment via the Synchronized Pre-deployment Operational Tracker (SPOT) census for their contract. This requirement includes the prime's, and subcontractor's at all tiers, cargo and equipment. The contractor shall report any individual piece of equipment valued at \$50,000 or more. Incoming cargo and equipment census data shall be input 30 days prior to start of performance or delivery of supplies and quarterly thereafter for inbound and outbound equipment.

b. This reporting is required on Rolling Stock (RS), Non Rolling Stock (RNRS), and Twenty foot Equivalent Units (TEU). The following definitions apply to these equipment/cargo categories:

(1) Rolling Stock (RS): All equipment with wheels or tracks that is self-propelled, or is un-powered and can be towed by a vehicle on a roadway. Also includes standard trailer mounted equipment such as generators, water purification equipment, and other support equipment with permanent wheels. Specific examples of RS include Wheeled Armored Vehicles (WAVS), Mine-Resistant Ambush-Protected (MRAP) family of vehicles (FOVS), and Highly Mobile Multipurpose Wheeled Vehicles (HMMWVS).

(2) Non Rolling Stock (RNRS): All equipment that is not classified as Rolling Stock. Includes equipment that is not trailer-mounted or originally designed to be driven or towed over a roadway.

(3) Twenty foot Equivalent Units (TEU): Standard unit for describing a ship's cargo capacity, or a shipping terminal's cargo handling capacity. One TEU represents the cargo capacity of a standard intermodal shipping container, 20 feet long, 8 feet wide, and 8.5 feet high. One TEU is equivalent to 4 QUADCONS and 3 TRICONS. One TEU has an internal volume of 1,166 cubic feet.

c. This data will be used by United States Forces-Afghanistan (USFOR-A) to assist in tracking the drawdown of Afghanistan. The contractor is responsible for movement of their own cargo and equipment. The data provided by contractors is for informational purposes only in order to plan and coordinate the drawdown effort. The Government assumes no responsibility for contractor demobilization except as stated in individual contract terms and conditions.

(End)

C-9            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 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;

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**Name of Offeror or Contractor:** OSHKOSH CORPORATION

- (3) Beginning and ending dates covered by reporting period;
- (4) Contractor name, address, phone number, e-mail address, identity of contractor employee entering data;
- (5) Direct labor hours (including sub-contractors);
- (6) Direct labor dollars paid this reporting period (including sub-contractors);
- (7) Total payments (including sub-contractors);
- (8) Predominant Federal Service Code (FSC) reflecting services provided by contractor (and separate predominant FSC for each sub-contractor if different);
- (9) Data collection cost;
- (10) Organizational title associated with the Unit Identification Code (UIC) for the Army Requiring Activity (the Army Requiring Activity is responsible for providing the contractor with its UIC for the purposes of reporting this information);
- (11) Locations where contractor and sub-contractors perform the work (specified by zip code in the United States and nearest city, country, when in an overseas location, using standardized nomenclature provided on website);
- (12) Presence of deployment or contingency contract language; and
- (13) Number of contractor and sub-contractor employees deployed in theater this reporting period (by country).

Reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year, beginning with 2013. Contractors may direct questions to the help desk at : <https://cmra.army.mil>.

End of Clause]

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- C.1 General
- C.2 Management and Administration
- C.3 Engineering Design Support for 2D-3D Models, Indentured Bill of Materials (IBOMs), and Drawings
- C.4 System/Subsystem Design Engineering Support
- C.5 General Configuration Management System/Subsystem/Design Engineering Support
- C.6 ILSC and Logistical Support Services
- C.7 Provisioning
- C.8 Support for Government Furnished Property (GFP)
- C.9 Packaging, Handling, Storage and Transportation (PHS&T)
- C.10 Technical Manuals and Publications
- C.11 Quality Engineering and Quality Assurance Support Services
- C.12 Technical Training and Training Support Services
- C.13 Contractor Field Service Representatives (CFSRs) Support and Services
- C.14 Deployment
- C.15 Item Unique Identification (IUID)
- C.1 General

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C.1.1 The Contractor, as an independent Contractor, and not as an agent of the Government, shall provide Level of Effort (LOE) Term Systems Technical Support (STS)/System Sustainment Technical Support (SSTS) for Mine Resistant Ambush Protected (MRAP) Vehicle systems.

C.1.2 The baseline products for select deliverables under this contract will be provided as Government Furnished Information (GFI) by the Government. Baseline products for these deliverables will be provided at the time of related Work Directive(s) award.

C.1.3 The Contractor may be required to address issues and provide analysis on a total MRAP fleet basis to include other Original Equipment Manufacturer (OEM) Vehicles.

C.1.4 All efforts described in this Statement of Work will be initiated by the issuance of Work Directives (WDs). The contractor is not entitled to any payment unless the work is pursuant to a WD approved by the Procuring Contracting Officer (PCO). For purposes of application of the Order of Precedence Clause, FAR 52.215-8, work directives shall be considered Government instructions under the contract.

**C.2 Management and Administration:****C.2.1 Preparation of WDs**

C.2.1.1 Upon award of this contract, the Government will issue a WD to execute management and administration as outlined in the paragraphs below.

C.2.1.2 Work directives will be initiated by the Government by issuing to the Contractor a proposed/preliminary draft of work to be accomplished. All new work directives shall have a cost estimate prepared by the contractor to support the proposed work. The Government may issue a work directive for the Contractor to provide information and expertise in the development of a new work directive to be approved by the Government prior to issuance. Each work directive will define the frequency, format and fidelity of information to be delivered. The contractor shall notify the Government immediately of any work directive that duplicates or appears to duplicate work previously contracted for under United States Marine Corps (USMC) or Army Contracts. The Contractor is not authorized to proceed to do work on any work directive unless specifically authorized by the PCO in writing.

C.2.1.3 Revisions to WDs shall be accomplished using the same methods. The Contractor may propose a revision to a WD while work is in progress in an effort to advance technology, reduce cost or schedule or take the requirement in a new direction. The contractor is not authorized to proceed to do work on any revision to a WD unless specifically authorized by the PCO in writing.

C.2.2 The Contractor shall comply with the terms of this statement of work in strict accordance with applicable local policies (installation/command), documents and policies, Department of Defense (DoD) Regulations and all updates/changes to this statement of work during the performance period. The Contractor shall immediately bring to the attention of the PCO, for final resolution, any conflict between compliance with the directives, policies, rules and regulations cited in any WD issued.

C.2.3 The Contractor shall have sole responsibility and discretion for the manner and method of performing tasks as specified herein. The Contractor shall be responsible for the administration, operation and conduct of all persons they employ to provide services under the WD to include: arranging for travel, passports, and obtaining installation and facility clearances with the assistance of the Government when necessary.

C.2.4 During performance of the Management and Administration WD the contractor shall, at a minimum, perform the following:

C.2.4.1 The Contractor shall manage and control the resources necessary to ensure timely achievement of all the requirements of the contract in a manner that is the most economical and beneficial to the Government. Management and control of subcontractor performance is implicitly part of this requirement.

C.2.4.2 The Contractor shall coordinate management and control of subcontractor activity with the Government. This requirement is not intended to provide the Government opportunity for subcontractor direction. Rather, the requirement is advisory. The Contractor is solely responsible for direction of, and interface with, subcontractors.

C.2.4.3 The Contractor shall provide administrative support to the MRAP Program Manager in support of Government briefings and presentations. This support shall include the preparation and delivery of color photograph productions, posters, color brochures, viewgraph transparencies and electronic media IAW CDRL A116.

C.2.4.4 Reserved

C.2.4.5 Program Meetings/Conferences/Meetings/In-Process Reviews

C.2.4.5.1 Agendas: The content and location of each meeting shall be coordinated with and agreed upon by the Contractor and the Government. The Contractor shall submit an agenda, briefing charts and supporting documentation ten business days prior to each meeting identified under C.2.4.5. All agendas shall be in Contractor format in accordance with (IAW) Contract Data Requirements List (CDRL) A001

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and shall include, as a minimum: the location, date(s) and duration of each meeting, a daily chronological listing of each topic to be discussed, the time allotted for each topic, the name of the presenter and a status (or list) of action items/problems identified at previous meetings IAW CDRL A001.

C.2.4.5.2 Minutes: The Contractor shall prepare and submit minutes to include open and new action items within ten business days after each of the meetings. All minutes shall be in Contractor format IAW CDRL A001 and shall include, as a minimum: meeting location, date(s) and duration, list of attendees, a status of open action items/problems, list of new action items/problems, and required resolution dates, summary of discussions and assigned action officer IAW CDRL A001.

C.2.4.5.3 Meetings: The content and location of each meeting shall be coordinated with and agreed upon by the Contractor and the Government at least two weeks prior to the meeting. The Contractor shall prepare minutes and an agenda for each meeting in contractor format. Minutes are to be submitted within ten business days from the meeting, unless otherwise directed by the Government. CDRL A001, A002.

C.2.4.5.3.1 Contract Start of Work Meeting

The Contractor shall conduct a Contract Start of Work Meeting at the contractor's facility within 30 days after Contract award.

C.2.4.5.3.2 Work Directive Start of Work Meetings

A WD Start of Work meeting shall be held in (location TBD) at the Governments request following a negotiated and agreed upon Statement of Work for each WD issued. The site locations must be mutually agreed upon. Discussions at the meeting shall include: the Contractor's Program Management plan, the Governments initial Integration Plan, risk areas and mitigation plans, and other technical area requirements as specified in the work directive.

Contractor shall present the following documents at the Start of Work meeting which shall be delivered IAW their respective CDRLs:

C.2.4.5.3.2.1 The contractor shall deliver an Integrated Master Schedule (IMS) IAW CDRL A027 for each work directive.

C.2.4.5.3.2.2 The contractor shall deliver a Work Breakdown Structure (WBS) IAW CDRL A119 for each work directive.

C.2.4.5.3.3 Quarterly Meetings: The Contractor shall also conduct the meetings listed below, as requested by the Government in the Work Directive.

C.2.4.5.3.3.1 Management Review

C.2.4.5.3.3.2 Technical Review

C.2.4.5.3.3.3 Integrated Logistics Support (ILS) Program Status Review

C.2.4.5.3.3.4 Integrated Logistics Support Management Team (ILSMT)

C.2.4.5.3.3.5 Logistics Management Review (LMR)

C.2.4.5.3.3.6 Field Problem Review Board (FPRB)

C.2.4.5.4 In-Process Reviews (IPRs): The IPRs shall be held with the Contract Start of Work meeting, and, at the Governments discretion, at quarterly intervals thereafter through the life of the contract. At a minimum, the Contractor shall discuss cost, schedule, and performance to include the analysis of problem areas, evaluation of schedules, all risk areas and mitigation efforts. CDRL A001, CDRL A002

C.2.4.5.5 Project Status Meetings: The Contractor shall conduct project status meetings with the Contracting Officer Representative (COR) on a monthly basis unless otherwise directed by the COR. The purpose of the meetings shall be to review status and progress of all projects. The Contractor shall prepare electronic, written or visual presentations for such meetings IAW CDRL A003.

C.2.4.5.6 Test Readiness Reviews:

A start of test meeting shall be held at a mutually agreed location within 30 calendar days of the start of any applicable Developmental Test (DT) or Operational Test (OT) phase. Discussions at the meeting shall include, at a minimum, the Contractors overall test support plan, the Contractors schedule for delivery of test assets, risk areas and mitigation plans and other logistical support requirements including the overall parts delivery and parts installation IAW CDRL A001.

C.2.5 Rough Order of Magnitude (ROM) Estimates.

C.2.5.1 ROM requests are used by the Government to obtain an estimate of the labor/man-hours and material/ODC dollars a particular effort may require. ROMs may only be requested by the PCO. The ROM estimate is developed based on history of the same or similar efforts

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previously conducted. Once the activity is completed the overall cost may be lower or higher than estimated in the ROM. The ROM is used as a planning estimate only.

C.2.5.2 The Contractor shall provide ROMs throughout the contract to the PCO. All ROMs shall be submitted within ten (10) business days from the date of the ROM request unless otherwise indicated by the Government. The ROM shall include the ROM Request Number, Contract Line Item Number (CLIN), estimated dollar value for the effort and a brief explanation of the ROM estimate and submitted IAW CDRL A004.

C.2.6 WD and WD Matrix

C.2.6.1 All work under this contract is completed IAW WDs and WD Matrices (see Paragraph C.2.6.6) agreed to by the Government and Contractor. The Government shall issue a statement of objectives (SOO) or statement of work (SOW) to the Contractor. The Contractor shall assist with the preparation and revision of draft and awarded WDs, as required, or requested by the PCO, which are subject to Government acceptance. The Contractor shall have a single centralized Point of Contact (POC) to submit WDs to the PCO for review and assure that WDs comply with the statement of work. The WD shall be written with the purpose of providing the PCO a suitable document, for review, editing, and approval, which will enable the Contractor to perform specific tasks within associated performance periods upon execution. Language that includes unexplained acronyms shall not be used. The WD shall clearly and simply state the requirements with reference to Section C but without merely reiterating the language in Section C. The contractors format for the WD document is acceptable, but it shall be uniform for all WDs. The information below shall be included at a minimum:

C.2.6.1.1 Reference to the specific requirement(s), by Clause of Section C, with applicable CDRL sequence numbers.

C.2.6.1.2 Objective of the work to be performed

C.2.6.1.3 Number of hours and material dollars to accomplish the work

C.2.6.1.4 Estimated completion date as applicable. The Contractor shall specify delivery dates for data items required by the WD.

C.2.6.1.5 Identification of the CLIN under which the work is to be performed.

C.2.6.2 The PCO will establish priorities for contractor performance on WDs and will review with the contractor the priorities and ranking on all active WDs as required. The Contractor shall comply with the PCO's establishment of such priorities, within the operative funding limits of the contract when so directed in writing by the PCO.

C.2.6.3 Reserved

C.2.6.4 The PCO has the option to modify or cancel WDs, in whole or in part, and change the relative priorities assigned. Active WDs may be canceled at any time by the PCO, and the contractor will be notified in writing of the reason(s) therefore. If additions, deletions or revisions to a WD are necessary, the WD will be modified to reflect the addition, deletion or revision or reduce the authorized hours and/or dollars by the residual amounts as required. The Supplemental WD denoting the addition, deletion or revision shall be assigned the original WD number with a suffix to denote the revision.

C.2.6.5 The Contractor is not authorized to incur hours, materials or subcontracting costs that exceed the estimate on each executed WD. Any hours, materials or subcontracting in excess of that authorized is at the contractors risk and the Government has no obligation to accept the cost of hours, materials or subcontracting above that authorized. Anytime the contractor has reason to believe that the hours, materials or subcontracting that it expects to incur in the performance of a WD shall exceed the authorized hours, materials or subcontracting on the WD, the Contractor shall immediately notify the PCO in writing.

C.2.6.6 The parties agree that the processes for control of WDs may be streamlined. Towards that end, the parties agree to an alternative STS WD Matrix. The parties agree to use this procedure to manage hours, material dollars and subcontract dollars authorized for CLINs having multiple WDs using the same type funding. The contractor shall prepare and submit a Work Directive Matrix IAW CDRL A005.

C.2.7 Disposal of Hardware

C.2.7.1 The Contractor shall repair any Government hardware in its possession IAW C.8. If the repair is not within the contractors capability of the contractor the contractor shall notify the Government for disposition of the hardware.

C.2.7.2 The Contractor shall identify excess hardware in National Stock Number (NSN) sequence via letter to the PCO requesting disposition instructions, copy furnished to MRAP Logistics. Nonstandard and obsolete hardware shall be identified as such. The Contractors request for disposition shall include the following information for each item: NSN, Part Number (P/N), Nomenclature, and Condition of the Item (serviceable or unserviceable). NSNs may not be available for some items early in the contract. If this is the case, as much of the required data as is available shall be provided. The Government will provide disposition instructions within 60 days unless there is a mutually agreed upon extension.

C.2.7.3 No parts shall be reported to the Defense Contract Management Agency (DCMA) Plant Clearance Officer unless so directed by the

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PCO. The disposition letter identifying items to be reported to Defense Contract Management Agency Operations (DCMAO) shall be referenced on the Inventory Schedule B submitted to DCMAO.

C.2.7.4 The Contractor shall provide a written request for disposition of all excess residual Government-owned hardware within 30 days after work under this contract has ended unless there is a mutually agreed upon extension. Parts listed shall be consolidated to include residual hardware from all contractor departments/organizations and from all WDs.

C.2.7.5 No WD shall be closed until disposition instructions on excess residual hardware have been implemented and completed, unless the contractor can utilize hardware on future work under the contract.

C.2.7.6 Mandatory replacement parts with a recovery code of Z shall be discarded IAW Federal, State, and Local Policies with Government disposition instructions. Hazardous materials shall be disposed of utilizing Contractor procedures with related costs to be charged to the contract.

**C.2.8 CDRL**

C.2.8.1 Except for those items that specifically require hard copy submission, all data specified in this Contract shall be provided to the Government electronically. A CDRL Data Item number shall be established for each data deliverable and such data items shall be prepared and submitted IAW the CDRL to be set forth in Exhibit A of the contract. CDRLs will be added to the contract by contract modification as determined necessary by the Government.

C.2.8.2 Tailored and non-standard Data Item Descriptions (DIDs) unavailable through normal channels will be furnished with this contract.

**C.2.9 Reports and Data**

C.2.9.1 The Contractor shall prepare technical data in the format and scope specified in the applicable DIDs (DD Form 1664) included in Exhibit A. This information shall be furnished IAW the requirements, quantities, and schedules set forth in the CDRL (DD Form 1423) also in Exhibit A. Data shall be submitted in an electronic format compatible with Microsoft programs (such as Word, Access, Excel, Power Point, etc.) in contractor format unless otherwise specified in the WD. All data deliverables required under this contract that are updates to previously existing documents shall have change bars in the margin where revisions or updates were made by the contractor.

C.2.9.1.1 Digital documents of standard DIDs called for under this contract can be ordered by going to the Acquisition Streamlining and Standardization Information System (ASSIST) at [://assist.daps.dla.mil/online/start/](http://assist.daps.dla.mil/online/start/).

C.2.9.1.2 Although a DID for this effort may make reference to a military standard or specification, that standard or specification is to be used by the contractor for guidance only, IAW current Army policy. The only exception shall be for military specifications and standards specifically called out as required within this statement of work, or WD, and then only to the extent described. All reports are to be submitted in contractor format at the frequency described for each report.

**C.2.9.2 Monthly Performance Report**

C.2.9.2.1 Monthly Cost Report: The Contractor shall submit a Monthly Cost Report identifying each WD. The report shall include, at a minimum, the following categories: Period of Performance of reported data, total CLIN value, total CLIN hours, total material dollars and total subcontractor dollars where applicable. Within each category, the following shall be reported: percent of CLIN expended, actuals reported during the report period and cumulative actuals expended. The required data will be required by WD on a WD basis. The Monthly Cost Reports shall be submitted no later than the 25th calendar day of the month following the report period. CDRL A006.

C.2.9.3 Monthly STS Work Directive Report: The Contractor shall submit a Monthly STS WD Report IAW CDRL A008. The report shall include, at a minimum, WD Number, WD Manager, WD Title, Labor Hours Authorized, Labor Hours Expended-Period, Labor Hours Expended-Cumulative, Percent of Total Labor Hours Expended, Labor Hrs Remaining/Required to Complete, Dollars Authorized-ODCs/Material, Dollars Expended-This Period-Labor, Dollars Expended-This Period-ODCs/Material, Dollars Expended-Cumulative-Labor, Dollars Expended-Cumulative-ODCs/Material, Percent of Total Dollars Spend to Date, Dollars Remaining/Required to Complete.

**C.2.9.5 Contractor Manpower Reporting (CMR)**

C.2.9.5.1 The Office of the Assistant Secretary of the Army (Manpower & Reserve Affairs) operates and maintains a secure Army data collection site where the contractor shall report ALL contractor manpower (including subcontractor manpower) required for performance of this contract. The contractor, IAW CDRL A009, is required to completely fill in all the information in the format using the following web address: [://contractormanpower.army.pentagon.mil](http://contractormanpower.army.pentagon.mil).

The required information includes:

C.2.9.5.1.1 Contracting Office, PCO, Contracting Officers Technical Representative

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- C.2.9.5.1.2 Contract number, including task and delivery order number
- C.2.9.5.1.3 Beginning and ending dates covered by reporting period
- C.2.9.5.1.4 Contractor name, address, phone number, email address, identity of contractor employee entering data
- C.2.9.5.1.5 Estimated direct labor hours (including subcontractors)
- C.2.9.5.1.6 Estimated direct labor dollars paid this reporting period (including subcontractors)
- C.2.9.5.1.7 Total payments (including subcontractors)
- C.2.9.5.1.8 Predominant Federal Service Code (FSC) reflecting services provided by contractor (and separate predominant FSC for each subcontractor if different.)
- C.2.9.5.1.9 Estimated data collection cost
- C.2.9.5.1.10 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)
- C.2.9.5.1.11 Locations where contractor and subcontractor 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)
- C.2.9.5.1.12 Presence of deployment or contingency contract language
- C.2.9.5.1.13 Number of contractor and subcontractor employees deployed in theater this reporting period (by country).
- C.2.9.5.2 As part of the CMR submission, the contractor shall also provide the estimated total cost (if any) incurred to comply with this reporting requirement. Reporting period shall be the period of performance not to exceed 12 months ending 30 September of each Government Fiscal Year and must be reported by 31 October of each Calendar Year. Contractors may use a direct XML data transfer to the database server or fill in the fields on the website. The XML direct transfer is a format for transferring files from a contractors system to the secure website without the need for separate data entries for each required data element at the website. The specific formats for the XML direct transfer may be downloaded from the web site. (.
- C.2.10 In performance of this contract, 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. The investigation must be completed prior to the assignment of individual(s) to the sensitive duty associated with these positions. Foreign nationals shall not be granted authorization. Contractor access to the on-line systems shall be revoked if actions of the personnel assigned to these tasks are found to be clearly in conflict with the interests of the Government.
- C.3 Engineering Design Support for Two-Dimensional/Three-Dimensional (2D-3D) Models, IBOMs, and Drawings
- C.3.1 The Contractor shall possess computer aided design (CAD) capabilities to produce 3D models and associated 2D drawings and lists and simulation capabilities to produce CAD Model simulations under this contract. The Contractor shall identify the CAD system and software version they are using at the contract Start of Work Meeting.
- C.3.1.1 The Contractor shall maintain engineering drawings and models, specifications and other technical data comprising the configuration baselines for the vehicle systems as identified in C.1 to include all Engineering Change Proposals (ECP)/Request for Deviations (RFD) modifying the vehicle system and/or baseline, in compliance with DI-SESS-81000, MIL-STD-31000 (Technical Data Packages), Attachment 0003 TDP Worksheet-Vehicle, and Attachment 0007-Metadata Attributes.
- This requirement only applies to new components and assemblies developed under this contract. Contractor format will be used for any Legacy components or systems that were developed at private expense. When formally requested, a new part/drawing will be created to support this effort providing the item design is not either an Oshkosh Corporation or supplier item developed at private expense.
- C.3.1.1.1 The Contractor shall work with outside organizations or agencies to incorporate the capabilities insertions, Mission and Support Equipment (see paragraph C.4.3), and other post-production changes into their variant baseline(s).
- C.3.1.1.2 The contractor shall maintain interface control documentation of the Mission and Support Equipment, Contractor Furnished items, capability insertions, and other post-production changes for each variant configuration.
- C.3.1.1.3 The contractor shall maintain a drawing tree reflecting the top/down generation breakdown for each configuration in contractor format. The drawing tree shall include all the major subassemblies that define each variant configuration and go to the lowest

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reparable unit or lowest component as defined in the work directive. The drawing tree shall include a drawing number, title, and revision under configuration control as identified in C.5.

C.3.1.2 The contractor shall prepare for individual variants or variant configurations IBOMs, matching 3D models, and/or associated interface control documentation and drawing tree. The Government is not seeking the Contractors production or process detail and the information shall not be used for production or reverse engineering of the Contractors proprietary data. This data shall be used for (but not limited to) future design considerations and defining the as-maintained or fielded configurations and delivered in the format and frequency defined in CDRL A010.

C.3.1.3 All product data, including 3D solid models and associated 2D drawings and lists, created under this contract shall be in compliance with DI-SESS-81000, MIL-STD-31000 (Technical Data Packages), Attachment 0004 TDP Worksheet-STS Hardware, and Attachment 0007-Metadata Attributes and shall provide the necessary design, engineering, manufacturing, and quality assurance requirements information necessary to enable the Government to procure or manufacture an interchangeable item that duplicates the physical, mechanical, electrical, software, human, and performance characteristics of the original product, without additional design engineering effort or recourse to the original design activity. The TDP shall reflect the level of design maturity, revision level, and baseline design that the item has attained at the appropriate configuration item lifecycle phase IAW CDRL A100. This requirement only applies to new components and assemblies developed under this contract. Contractor format will be used for any Legacy components or systems that were developed at private expense. When formally requested, a new part/drawing will be created to support this effort providing the item design is not either an Oshkosh Corporation or supplier item developed at private expense.

C.3.1.4 Technical data prepared with funds of this contract or any other Government contract by the Contractor or his subcontractors are property of the Government and shall be provided with unlimited rights to the extent permitted under Defense Federal Acquisition Regulation Supplement (DFARS) 252.227-7013, DFARS 252.227-7014, and DFARS 252.227-7015. The Contractor shall present the list of exceptions, existing technical data (models, drawings, etc.) developed at private expense.

C.3.1.5 The contractor is responsible for all original document files in their possession (this includes but is not limited to 3D models, 2D drawings, associated lists, technical documentation, etc.).

C.3.1.5.1 For technical data created under this contract which the Contractor is designated as the Document Custodian Activity (see C.3.1.5.3), the Contractor shall prepare and maintain TDPs, IBOMs and 3D models to ensure they are current, legible and readily available to the Government. This data shall exclude items developed by the contractor or their supplier(s) at private expense. In these instances, a representative space claim will be provided to support development of other equipment or modifications to the vehicle. The contractor shall not transfer any Government drawing files without written approval from the Government.

C.3.1.5.1.1 3D Models

C.3.1.5.1.2 Associated CAD 2D line drawings

C.3.1.5.1.3 Associated PDF 2D line drawings

C.3.1.5.1.4 Associated STEP Neutral File Format ISO 10303

C.3.1.5.1.5 All associated sheet images in PDF format

C.3.1.5.2 The Government shall retain change control authority and the Contractor shall only make changes as authorized and provide the Government with compliant data as part of the change control process (ECP/VECP/RFD/RFV), in accordance with the Engineering Release Record (ERR) requirements of this contract, and provide copies of the changed document files to co-users and upon request.

C.3.1.5.3 Drawing Custodianship List the Contractor shall prepare and submit a drawing custodianship list IAW CDRL A114.

C.3.1.6 All technical data created and delivered under this contract shall have the appropriate DoD Technical Distribution Statement and Export Control Warning as required by Department of Defense Directives (DoDD) 5230.24 and 5230.25. In order to protect and limit transmission of proprietary information not owned by the Government e.g. commercial technical data (developed at private expense) that is protected by the Contractors limited rights statement IAW DFARS, and is marked accordingly, the Contractor shall apply DoD Technical Distribution Statement D IAW DoDD 5230.24. Configuration items (developed at Government expense) and associated existing technical data with Government Purpose Rights or Unlimited Rights shall have DoD Technical Distribution Statement D IAW DoDD 5230.24.

C.3.1.7 TDPs delivered under this contract are subject to inspection and verification IAW MIL-STD-31000. The 3D solid models shall successfully pass model check in the Government's system (the Product Data Checklist is at Attachment 0018). Product data not in compliance with the requirements of this contract shall be returned to the contractor for correction. 2D drawings shall be based on the 3D models and be sourced from the 3D model.

C.3.1.8 Warranty of Technical Data DFARS 252.246-7001 Warranty of Data.

C.3.1.9 The Contractor shall ensure that fidelity of 3D solid models and 2D drawings is maintained during exchange to Government PDM

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System. If conflicts are found, the Contractor will work with the Government to ensure accurate, up-to-date data is reflected in both systems. The Government will insure appropriate access control to protect the contractors data from unauthorized access. The Government is willing to provide the contractor with a review of the access control system used in our PDM and Configuration Management (CM) systems.

This requirement only applies to new components and assemblies developed under this contract. Contractor format will be used for any Legacy components or systems that were developed at private expense. When formally requested, a new part/drawing will be created to support this effort providing the item design is not either an Oshkosh Corporation or supplier item developed at private expense.

C.3.1.10 Proper storage and configuration control of the product data shall be subject to a Government audit at any time. At a minimum, the Configuration Status Accounting Information (see Paragraph C.5.12) shall be compared to Contractor's product data to ensure all documentation is properly accounted for in the correct revision. The Contractor shall work with the Government to correct issues and conflicts found during the audit.

C.3.1.11 The Contractor shall provide and update (in revision cycle) a geometry and drawing/CAD creation standard for 3D models and associated 2D drawings for the Government to determine if the Contractors application and disclosure of product data definition set elements is useable and in alignment with set standards. The data standard shall contain identification of data format types, application of geometric tolerances, materials, surface finishes, annotations, notes, attributes, part relationships and associations, default datum, file and part/document naming conventions, views, planes, layers, parameters, units reference objects, line weights, symbols, quality assurance information, rights in data, security markings, export control notices, engineering notes and part to file structuring.

C.3.1.12 All CAD product data export services and reporting activities as specified in this SOW shall follow the format and data elements identified in a ISO 10303 STEP AP 214 data exchange export PDM Schema compliant file. The Contractor shall provide support to ensure the delivered CAD is transferred and uploaded correctly into the Government PDM system.

**C.3.2 Drawing Part Number Assignment, Assignment Report and Drawing/Part Number Engineering Support**

C.3.2.1 For items, components, or processes (ICPs) developed or modified under this contract, the Contractor shall assign Government-issued Ordnance Part Numbers (OPN) to all product data created under this contract. Product data shall use the OPN as both the drawing number and base Part or Identifying Number (PIN), along with TACOM CAGE code 19207 as the original design activity to establish unique item identification. The Contractor shall request Army Ordnance Part Numbers (AOPNs) from the designated Government CM Representative. The contractor shall request additional blocks of numbers on an as needed basis via e-mail to the CM representative.

Contractor may be required to provide source controlled drawings for items/part numbers in which the contractor is retaining Intellectual Property in accordance with C.3.1.4.

C.3.2.2 Drawing Part Numbers for Privately Developed Items - The Contractor is prohibited from assigning AOPNs to privately developed items prior to our approval. If an item is approved for incorporation into the design, the Contractor shall prepare data in accordance with contract requirements for AOPNs, source control, and vendor items.

C.3.2.3 The PIN, in combination with the CAGE, establishes unique item identification of items in the product data. The NSN for items may be cited in the product data in addition to the PIN-CAGE; however, NSNs do not establish unique item identification and shall not be cited within the product data in lieu of the PIN-CAGE. NSNs placed within the product data either in lieu of a PIN-CAGE or that conflict with the PIN/CAGE provisioning data found in WebFLIS shall be reason for Government rejection of the product data containing the conflicting data, and will be returned to the Contractor for correction and resubmittal.

C.3.2.4 Standard Part Numbers - the Contractor shall use standardization document PINs as the preferred definition of technical data.

C.3.2.4.1 In lieu of contractor, OEM, supplier or other commercial and vendor part numbers, the Contractor shall use, in accordance with 5.3.1 and 5.3.1.1 of MIL-STD-31000, the military, industry, or specification-identified part numbers in the product data for all fasteners, standard hardware, bulk material, and other items that can be defined by Government and non-Government standardization documents, and international or foreign standardization documents adopted by the American National Standards Institute (ANSI) for use in the U.S.

C.3.2.4.2 The Contractor shall investigate and convert all vendor/supplier/commercial part numbers to the standardization document PINs prior to submitting product data to the Government for approval. The Contractor may utilize the on-line tool called WEBFLIS (<http://www.dlis.dla.mil/webflis/>) for researching part numbers, or contact the Defense Logistics Agency (DLA) customer service at: <http://www.dlis.dla.mil/cust.asp> for assistance with web access, accounts, or assistance in finding part numbers for standard items.

This requirement only applies to new components and assemblies developed under this contract. Contractor format will be used for any Legacy components or systems that were developed at private expense. When formally requested, a new part/drawing will be created to support this effort providing the item design is not either an Oshkosh Corporation or supplier item developed at private expense.

C.3.2.4.3 The Contractor shall model certain standard parts or include existing models in 3D model assemblies, but shall not create 2D

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drawings for parts that are defined by existing Government or non-Government standardization documents.

C.3.2.5 Drawing Number Assignment - The Contractor shall provide to the Government a Drawing Part Number Assignment Report per DI-SESS-81011 and include the contractors part name, address, contract number, and manufacturers part number. A cross-reference list shall be provided showing the Government part number and all corresponding current and historical vendor part number from Contractors first production to current production IAW CDRL A101.

C.3.3 Technical Data Back-up Storage: The Contractor shall have a back-up and recovery process for all source digital data in the Contractors computer software application.

C.3.4 Technical Data Package (TDP) Revision Services: The Contractor shall provide part Configuration Management/Data Management (CM/DM) revisioning services and provisioning for Foreign Military Sales (FMS). Re-visioning services are to include copies of ECPs and respective ERRs and to comply with all CM/DM TDP data management practices defined in the STS for domestically or U.S. based Contractor Family of Vehicle (FOV) models provided. All requests for Technical Data Package Revision Services and reporting activities shall be in format and contain the data elements as specified in the work directive.

C.3.5 3D Modeling and Design Services: The Contractor shall provide on-call and on-site engineering support with 3D modeling, design, simulation or Computer-Aided Engineering (CAE) analysis capabilities necessary to technically conduct or support systems analysis, tests and evaluation, manufacturing (prototyping and kitting) integration, technical meetings, and design or field reviews of failure.

C.3.6 Source Control and Vendor Item 3D Model and 2D Drawing Engineering Support: The Contractor shall prepare Source Control and Vendor Item Control Drawings, associated with the Contractors vehicle system(s) Attachment 0005 TDP Worksheet-Source Control Drawings (SCD), and Attachment 0007-Metadata Attributes. Source Control and Vendor Item Control Drawings shall have listed two or more sources of supply (where possible). The contractor shall demonstrate through market research or other analysis the reasoning for the single source of supply. The Contractor shall look for parts, components, sub assembly or assemblies of currently existing sources of supply in the Governments supply system to determine if the Government part already exists. The Contractor when choosing these design solutions of utilizing items that already have an established NSN, shall validate that the solution chosen meets all design specification reliability, performance and space requirements required. The drawings and models shall provide complete form, fit, function, and interface information as well as detailed performance data for acceptance of material and to allow the Government the ability to test and qualify additional vendors or sources. All source control and vendor item drawings and model shall be provided with unlimited rights to the extent permitted under DFARS 252.227-7013, DFARS 252.227-7014, and DFARS 252.227-7015 IAW CDRL A100. The Contractor shall present the list of exceptions with the data submission.

This requirement only applies to new components and assemblies developed under this contract. Contractor format will be used for any Legacy components or systems that were developed at private expense. When formally requested, a new part/drawing will be created to support this effort providing the item design is not either an Oshkosh Corporation or supplier item developed at private expense.

C.3.7 Source Control Drawings (SCDs) and Vendor Item Control Drawings for new designs and changes to current designs created under this contract shall conform to Paragraph C.3.1.3 and the following:

C.3.7.1 Maximum use of commercially developed components is essential. First design choice should be the use of an existing Government item readily available in the Government supply system. No part, component or assembly shall be developed under this contract when it is known that an existing design in industry shall satisfy the intended purpose or can reasonably be adapted to a militarized design in a cost effective manner.

C.3.7.2. In order to assure life cycle competition for Non-Developmental Items (NDIs), use of SCDs shall be minimized. When it becomes apparent to the Contractor that a Source Control drawing or 3D Model is in the best interest of the Government, a recommendation shall be made to the Contracting Officers CM Representative IAW DI-SESS-81010 including the results of a market survey which led to the recommended selection. No SCD shall be prepared by the Contractor, nor shall the Contractor assume that the Government shall accept the source control recommendation, unless specific written approval is provided by the Contracting Officers Representative.

C.3.7.3 Recommendation for use of Source Control Data shall not be submitted to the Government until a repairable/consumable analysis has been made.

C.3.7.4. Non-Developmental Items shall not be fully detailed unless it can be demonstrated by the Contractor that such detailing does not impair the life cycle competitiveness of the item.

C.3.7.5 Provisioned parts for Source Controlled Items shall be depicted on the 3D Models metadata attributes after a Maintenance Evaluation has been completed and repair part selection validated. In the event such Maintenance Evaluation has not been prescribed within the scope of this contract, even though the component is known to be repairable, no provisioned parts listing shall be shown on the drawings or 3D Models.

C.3.7.6 All Source Control Drawings and 3D Models shall contain complete form, fit, function, and interface information as well as detailed performance data for the Government to procure and accept a part or component which is functionally interchangeable with the original part or component under a secondary item procurement contract and to qualify additional vendors or sources. Acceptance criteria

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and processes on any SCD and 3D Models shall, to the extent practical, be similar to what that supplement accomplishes when the item is purchased by other commercial or military agencies.

This requirement only applies to new components and assemblies developed under this contract. Contractor format will be used for any Legacy components or systems that were developed at private expense. When formally requested, a new part/drawing will be created to support this effort providing the item design is not either an Oshkosh Corporation or supplier item developed at private expense.

C.3.7.7 Reserved

C.3.8 Procedures for Transferring Original Drawings, CAD files, and supporting documentation - The Contractor shall comply with the following sequential procedures at the end of the performance period of this contract.

C.3.8.1 At 60 days before end of contract shall IAW CDRL A102:

C.3.8.1.1 Provide a list of drawings, CAD files and supporting documents, prepared under this contract, in your custody to Contracting Officers Representatives for record verification.

C.3.8.1.2 Identify and provide a list of pending and outstanding approved ECPs (i.e. where no ERR/drawing/file updates have occurred) and cross-reference to drawings/files/documents affected by those ECPs and provide status and anticipated completion date.

C.3.8.1.3 Provide lists of the following information: (1) Obsolete and superseded drawings, CAD files, and supporting documents and (2) unreleased drawings, CAD files, and supporting documents, created under this contract.

C.3.8.2 At 30 days before end of contract, transfer and document the transfer of (by using letter of transmittal forms) all drawings, CAD files, and supporting documents created under this contract. Attach related inventory lists to each DD Form 250. Submit to the Government representative for signature and verification of receipt. Data to be transferred shall accompany the transmittal letter. Data transfer is to be electronic or CD-ROM or DVD. The Government reserves the right to be present during the drawing / file inventory process IAW CDRL A103.

C.3.9 The Government will provide the contractor a description of any restricted technical data, computer software or computer software documentation (restricted information) owned by a third party but necessary for contract performance. The description shall include the identity of the owner of the restricted information and the description will be provided with the solicitation for the contractor to negotiate a Non-Disclosure Agreement (NDA) with the owner of the restricted information. The Contractor shall execute a NDA with the owner of the restricted information so as not to interfere with the delivery schedule or performance period provided in the delivery order. The NDA should express that the restricted information be transferred directly from the owner to the contractor to the maximum extent practicable. The contractor shall immediately notify the Government if it is unable to negotiate successfully the NDA. The contractor shall provide the Government a copy of any resultant NDA within 30 days of its execution. In the event it is necessary for the Government to provide the restricted information to the contractor, the contractor shall provide the resultant NDA prior to receiving the information. The contractor shall not accept any restricted information that is not in accordance with the terms of the NDA. Should the Contractor fail, after good faith negotiations, to enter into a mutually acceptable NDA; and should such failure result in the Contractors inability to timely perform, the Delivery Order shall be terminated in accordance with FAR 52.249-6.

C.4 System/Subsystem Design Engineering Support

C.4.1 Reserved

C 4.2 General System/Subsystem Engineering Support

C.4.2.1 The Contractor shall perform System/Subsystem Engineering Support to the extent described herein. The Contractor shall provide robust solutions to design problems, design improvement requirements and Government directed design investigations in response to field problems to include visits to Government Continental United States (CONUS) and Outside the Continental United States (OCONUS) operational facilities or Contractors sub-Contractors or supply chain partners. The Contractor shall supply robust solutions that maintain compatibility of all physical, functional, and technical interfaces with the established system/subsystem design and definition, while coping satisfactory with variation in its operating environment with minimal damage, alteration or loss of functionality. The Contractor shall use their scientific and engineering investigations to ensure compatibility of all physical, functional and technical program interfaces in alignment with the established design and definition.

C.4.2.2 The contractor shall comply with the plans and specifications listed below or may be asked to either rewrite the plan or provide engineering services to assist the Government in re-writing the plans for all solutions to design problems, design improvement investigations and responses to field problems. The Contractor shall prepare and update each plan on an as required basis. Plans may include information such as the following:

C.4.2.2.1 To assess change impacts that will require modification or the new creation of the Human Factors Engineering Program Plan, CDRL A015.

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- C.4.2.2.2 To assess change impacts that will require modification or the new creation of the System Safety Program Plan CDRL A016.
- C.4.2.2.3 To assess change impacts that will require modification or the new creation of the Parts Management Plan using DO-SDMP-81748, DI-PACK-80120B, DI-SDMP-81748, DI-MISC-80071E and DI-SAFT-80105B, as guidance.
- C.4.2.2.4 To assess change impacts that will require modification or the new creation of Electromagnetic Interference (EMI)/Electromagnetic Compatibility (EMC) Program Plan.
- C.4.2.2.5 Reserved
- C.4.2.2.6 To assess change impacts that will require modification or new testing required of the Contractor to establish and maintain a database of allocated EMI/EMC requirements and test results to evaluate the effect of engineering changes on the overall MRAP system EMI and EMC.
- C.4.2.2.7 To provide, perform Reliability, Availability, Maintainability-Durability (RAM-D) Program Plan assessments and testing activities
- C.4.2.2.8 To provide, perform or analyze test data to implement conformance to overall system specifications.
- C.4.2.2.9 To provide, perform system effectiveness studies on proposed modifications relative to the overall system performance in combat and peace time environments.
- C.4.2.2.10 To provide, perform scientific programming and simulation model analysis in support of resolution for field and production problems.
- C.4.2.2.11 To provide, perform, create or maintain a Contractor FOV current database of all part, component, sub assembly or assembly weight data of all Contractor, sub-Contractor or other Contractor or Government supply chain partners.
- C.4.2.2.12 To provide, perform, create, maintain, or support the Governments MRAP Environmental Assessment program IAW the National Environmental Policy Act (NEPA). CDRL A017.
- C.4.2.2.13 To provide, perform, create, maintain or support the Governments fire, accident and hazard tracking systems IAW CDRL A014.
- C.4.2.2.14 Reserved
- C.4.2.2.15 To provide, perform, create or conduct trade-off evaluations and risk analysis to select and document a preferred approach to meeting technical requirements, evaluating design approaches and evaluating feasibility, predictability or Manufacturability and production capability evaluation for any design changes made within Government, the Contractor or sub-Contractors and supply chain partners of either organization.
- C.4.2.2.16 To incorporate into the current or new FOV configurations design of components and systems to allow the Government to implement the latest state-of-the art technology which provides for the highest level of corrosion protection capable of withstanding operation in an environment of high salt concentration, high humidity and high temperature (tropical).
- C.4.2.2.17 To provide engineering analysis, CAD Model CAE, Simulations to allow the Government to utilize or generate new design practices for the selection of materials, coatings, surface treatments, system geometry, material limitations, environmental extreme, and storage, packaging and preservation requirements, that reflect realistic product usage environments so the Contractor can identify and highlight to the Government, if the design chosen is border line, the designs ability to meet the Government specified environmental operating ranges.
- C.4.2.2.18 Provide engineering analysis and recommendations of the use of Radioactive Material. Radioactive Material shall not be utilized unless it has been determined that military operational requirements cannot be achieved with such use. Items furnished under this contract, including but not limited to, optical elements/lenses, and other optic items used near the eyes shall contain no thorium, or other source material as defined by Title 10, Code of Federal Regulations, Part 40, in excess of 0.05 percent by weight or any other intentionally added radioactive material, unless expressly required by the specifications. If required by specification to have thorium, source material as defined by Title 10, Code of Federal Regulations, Part 40, in excess of 0.05 percent by weight or any other intentionally added radioactive material, the Contractor shall provide a list of all radioactive material including chemical and physical form and activity of the finished item as early as possible to the PCO for approval of the use of these materials. All Contractor recommendations or Government request for the usage of these types of materials, the Contractor shall be required to establish procedural controls of this material to include but not limited to training, necessary protective equipment, required inspections, decontamination procedures, etc. The Contractor shall make every design effort possible so Radioactive material shall not be utilized under this contract. If radioactive material is to be furnished beyond that specified above, the Contractor shall provide a statement that the Government requested use of radioactive materials and shall provide the minimum information:
- C.4.2.2.18.1 Reason the Government furnished radioactive material is to be incorporated into the system

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C.4.2.2.18.2 Listing of the radioactive materials and their quantities

C.4.2.2.18.3 Subsystem location of the radioactive material

C.4.2.2.18.4 Purpose of the radioactive material

C.4.2.2.18.5 Provide the Nuclear Regulatory Commission License Number for each of the radioactive material used in the system

C.4.2.2.18.6 To assess change impacts that will require modification or the new creation of or to assist the Government in ensuring that the Nuclear Regulatory Commission (NRC) mandatory protection requirements for the purchase, control and installation of all radioactive materials used for the production and logistic support of the MRAP System is being followed as described in Title 10, Code of Federal Regulations (CFR).

C.4.2.2.19 To assess change impacts and provide engineering design services that will require modification or the new creation of design information that will require the Contractor to prepare required new specifications and proposed Specification Change Notice (SCN) in a Government and Contractor agreed to defined SCN requirements tracking system.

C.4.2.2.20 To assess change impacts and provide engineering design services that will require modification or the new creation of information that will require the Contractor to prepare or help the Government prepare and perform Risk Assessment and System Safety Hazard Analysis using DI-SAFT-80101B as a guide to identify safety hazards associated with the system changes and prepare and furnish a System Safety Hazard Analysis and Risk Assessment analysis for each planned change.

C.4.2.2.21 To assess change impacts and provide engineering design services, recommend changes for all engineering activities that may require modification of the Contractor FOV to eliminate or reduce significant safety hazards by appropriate design change, material selection or testing. The Contractor shall at the Governments, request develop a Safety Assessment Report.

C.4.2.2.22 To assess change impacts and provide engineering design services, recommend changes for all engineering activities to allow the Government to perform MANPRINT and Human Factors Engineering (HFE) Evaluation on any design changes initiated during this effort.

C.4.2.2.23 To assess change impacts and provide engineering design services, recommend changes or provide impact reviews for all engineering activities related to Government release changes to Military or Material or Performance Specifications or clauses and determine their impact on the vehicle or production contract. All engineering design services shall provide recommendations to resolve any conflicts in stated document changes above.

C.4.2.2.24 To assess change impacts and provide engineering design services, recommend changes, or provide impact reviews for all engineering activities related to Government request to investigate and resolve problems (Software or hardware pertaining to production or testing.)

C.4.2.2.25 To assess change impacts and provide engineering design services, recommend changes or provide impact reviews for all engineering activities related to materials or FOV vehicle functionality that will impact the Government Class 1 Ozone-Depleting Substances (CIODS) reporting guidelines and shall provide the services needed to test and validate Contractor or sub-Contractor adherence to Government Class 1 Ozone-Depleting Substances specifications and standards. These specifications and standards still have automated clauses not indicated in TDPL: MIL-S-8660, MIL-S-46163, and MILSTD- 889. In the engineering design support activities the Contractor should insure the design or recommended changes do not include the use of ASTM-ES24, MIL-M-12218 (Halon), or any other equivalent CIODS extinguishing agent which is prohibited for the duration of the contract. In the event the design requires the use of either, the contractor shall coordinate with the MRAP Environmental POC to develop a request for use of the material for submission to the PCO. A separate memo from the PCO be processed and obtained prior to allowance of this type of material to be use in this contract.

C.4.2.2.26 To assess change impacts and provide engineering design services, recommend changes or provide impact reviews for all engineering activities related to the population of the Governments MANPRINT system which is a system and process that integrates the full range of Manpower, Personnel, Training (MPT), Human Factors Engineering (HFE), Health Hazards using DI-SAFT-80106B as a guide, System Safety and Soldier Survivability throughout material development and acquisition phases of proposed engineering changes. The Contractor shall integrate and populate these MANPRINT domains in the development and component selection process, as applicable, to ensure the greatest influence on final configuration. The primary goal of MANPRINT shall be to enhance soldier-system performance and optimize Soldier-Machine Interface (SMI) for ease of operation and maintenance by designated users under all required operational conditions. MANPRINT design related issues, accomplishment and crew performance validations, and demonstrations shall be addressed during STS project status meetings, as appropriate.

C.4.2.2.27 To assess change impacts and provide engineering design services, recommend changes or provide impact reviews for all engineering activities related to the creation, modification or updating of Computer Software Documentation per Commercially accepted standards including but not limited to IEEE/EIA 12207: The Contractor shall be requested to generate/modify all operational computer software under this contract IAW the Contractors Corporate Software Development Standards, Software Development Plan and Contractors Software Configuration Management Control Plans. Each of these plans shall be provided to the Government for review and may become the subject of a Government audit of Contractor compliance to the issued plans. The Contractor shall practice software quality assurance IAW

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the Contractors corporate quality standards and an agreed upon Contractor and Government end user acceptance test procedure. The Contractor shall use a high level programming language that has been previously utilized within the MRAP vehicle software source code. This high level programming language shall meet applicable industry and Contractors corporate Software Development Standards such that the source code is readily maintained by the Contractor. The Government recommends the use of the latest Military standard or commercially accepted standards for the development of all Contractor generated software. The Contractor and the Government shall agree on the software program and coding systems to be used to insure total system integration and software compatibility can be obtained with a wide arrangement of both Contractor and Government furnished equipment. The agreed upon high level programming languages between the Government and the Contractor shall be documented accordingly. Any deviation to existing source codes programming language shall require Government approval via a formal ECP/RFD/Request for Waiver (RFW)/Notice of Revision (NOR)/ERR process.

C.4.2.2.28 To assess change impacts and provide engineering design services, recommend changes or provide impact reviews for all engineering activities related to the creation, modification or updating of Software Quality Assurance activities. The Contractor shall maintain a Software Quality Assurance Program (SQAP) to meet, as a minimum, the requirements of IEEE/EIA 12207 for software developed under this Contract. The Contractors Organizational Divisional Procedures (ODP) or equivalent, requiring tailoring to meet the needs of a particular software development effort, shall be submitted to the Government prior to the start of that specific software development effort via the Government specified data repository storage location.

C.4.2.3 Reserved

C.4.2.4 For each proposed change to covered vehicle system end item, major item, and/or secondary item, the contractor shall first determine vehicle system or component "ownership" in order to prevent conflicting requirements and/or undesirable changes for items in common use with other vehicle systems.

C.4.2.5 Reserved

C.4.2.6 When "ownership" is, in fact, covered by another supplier it is incumbent on the contractor to notify the PCO of the potential impact.

C.4.2.7 If a cross-system conflict is discovered the contractor shall notify the Government. The Government will resolve the conflict issue and provide appropriate direction by PCO direction.

C.4.3 Engineering Support for Mission and Support Equipment

Mission Equipment is defined herein as items of equipment and material that are used with and attached or mounted to the vehicle system in support of operational mission requirements. These items include Associated Support Items of Equipment (ASIOE) such as radios, mounted weapons systems, and sensor packages; Basic Issue Items (BII) such as pioneer tools; Common Table of Allowance (CTA) items; and special kits developed for the vehicle system such as add-on armor and underbody kits.

Support Equipment is defined herein as items of equipment used in the service and maintenance of the vehicle system to include special tools and Test, Maintenance, and Diagnostic Equipment (TMDE).

C.4.3.1 The contractor shall provide services to assess change impacts, provide engineering design services, recommend changes or provide impact reviews for all engineering activities related to the creation, modification or updating of Mission and Support Equipment and their interface to the vehicle system.

C.4.4 Transportability Engineering Support

C.4.4.1 The contractor shall provide Transportability Engineering support and a list of Contractor, Mission and Support Equipment, or other items that may affect the transportability of the Contractor variant or FOV in a Contractor prepared Transportability Report, using DI-PACK- 80880C as a guide, for all design modifications made to their vehicles to support the implementation or removal of any requested Mission and Support Equipment modifications affecting the system's overall weight, dimensions, center of gravity or transportability capability requirements. The Contractor shall perform transportability testing for design modifications affecting vehicle transportability. The Contractor shall prepare a Transportability Test Report IAW providing data elements equal or above DI-MISC-80048 60 days before validation/verification.

C.4.5 General System/Subsystem Engineering Support for Critical Safety Items (CSI)

C.4.5.1 The contractor shall identify Critical Safety Items (CSIs) within the TDP and shall provide engineering per DI-SAFT-80970A. Design analysis and testing services will allow the Government to assess the field concerns or issues that may surround CSI items, as in DI-HFAC-80938A. The Contractor shall perform or use their scientific and engineering investigations to ensure compatibility of all physical, functional, software, human and technical program interfaces are in alignment with the established design and definition and configuration management impacts of all vehicles. The Contractor shall provide estimated CSI design and integration services for all components, parts, sub-assemblies or assemblies. The Contractor shall provide estimated CSI design and integration service prices for all components, parts, sub-assemblies or assemblies in a Government specified Government Competitive Cost Analysis format required of the Government Acquisition functional area format to insure that of the fidelity of information is standardized and formatted to

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expedite the Competitive Cost Analysis requirements of the Governments Acquisition team requirements for all CSI vendor parts including piece parts, provided 60 days before parts need to be ordered. The Government applies the following definitions to Critical Safety Items:

C.4.5.1.1 Critical Safety Item: A part, assembly, installation, or production system with one or more critical characteristics that, if not conforming to the design data or quality requirements, would result in an unsafe condition. Unsafe conditions include conditions which would cause loss or serious damage to the end item or major components, loss of control, or serious injury to personnel.

C.4.5.1.2 Critical Safety Characteristics: Any feature (i.e., tolerance, finish, material composition, manufacturing, assembly or inspection process) of product, material, or process, which if nonconforming or missing would cause the failure or malfunction of the critical item.

C.4.5.2 The contractor shall perform design and engineering analysis of each CSI and assembly process so that these CSI items are clearly identified by the Contractor as such on the 3D Models, part drawing and assembly drawing in association with Contractor or Government generated Quality Assurance documentation (i.e., Quality Assurance Requirements and Quality Assurance Provisions (QAR/QAP)) that meet Government or Contractor QAR/QAP standards, whichever is more robust, and agreed upon for use by both the Contractor and the Government COR representative. The Contractor shall ensure that all critical safety characteristic(s) for each CSI are clearly identified as such on all 3D Model metadata attributes, drawings or engineering parts and assembly drawings, technical and training manuals and publications, and for all Government parts provisioning activities. The 3D Models drawing numbers, etc., shall be identified in all QARs and QAPs. Critical safety characteristics shall require 100% inspection per the agreed upon QAR or QAP. The specific method for marking drawings shall be as delineated in ASME Y14.100 Engineering Drawing Practices.

C.4.5.3 The contractor shall provide CSI analysis and engineering activities to support the generation of the data sources, methods, and guidelines IAW CDRL A021 as follows:

C.4.5.3.1 The Contractor shall provide sound and robust engineering analysis and judgment IAW applicable U.S. Federal, State, and local laws/regulations.

C.4.5.3.2 Reserved

C.4.5.3.3 The Contractor shall provide Failure Modes and Effects Analysis (FMEA) IAW CDRL A014, criticality analysis ARP 5580 utilizing as a guide the latest version of MIL-STD-338. All FMEA Analysis shall conform to the requirements of the data elements needed to populate the Government FARCAS Risk Management Systems. The Contractor will be provided access to this system and shall be required to post all performed FMEA analysis into this system and shall notify the PCO that this action has been completed. The contract shall provide, if not on the FARCAS system, a form and means of identification of the associated contract number, ECP number, Request for Quotation (RFQ)# or WD#, and affected FOV Vehicle Identification Number (VIN)# and configuration baseline variant associated or affected by the analysis.

C.4.5.3.4 The Contractor shall provide safety assessment and safety hazard analysis (MIL-STD-882D) as a minimum standard for providing this analysis. These individual assessments are to be delivered and loaded into the Government specific forms and format and electronically loaded by the Contractor into various Government-specified data repositories for storage retention of this information.

C.4.5.3.5 The Contractor shall provide CSI prototyping services and development testing and operational testing results of Government requested CSI. These individual assessments are to be delivered and loaded into the Government specific forms and format and electronically loaded by the Contractor in the Government data repository for storage retention of this information.

C.4.5.3.6 The Contractor shall provide RAM engineering assessments utilizing as a guide the latest version of MIL-STD-338 as a minimum standard for providing the analysis. These individual assessments are to be delivered and loaded into the Government specific forms and format and electronically loaded by the Contractor in the Government data repository for this information. The Contractor may use Government available or Contractor previous experience using like items or designs for RAM engineering assessment activities.

C.4.5.3.7 The Contractor shall provide Logistics Management Impact engineering assessments with CSI issues.

C.4.5.3.8 The Contractor shall provide engineering, logistic, safety, and software assessments or component qualification test and test results as requested by the Government on any CSI identified item.

C.4.5.3.9 The Contractor shall provide engineering services to the Government to support requirement gathering pertaining to CSI to help the Government validate and ensure that all critical safety aspects of the design are accurately reflected, software, parts and materials operate well below fatigue limits and stress levels, and the design allows for assessment by inspection and nondestructive inspection equipment. Whenever the Contractor is asked to perform validation testing it must be based on engineering analysis or software testing of the critical safety item characteristics and should consider changes and deterioration through time or use, fatigue life, and operating and environmental conditions.

C.4.5.3.10 The Contractor shall provide a CSI drawing impact list that shall be maintained and updated throughout the life of the contract and posted on the Government specified data repository. The CSI shall also reference the vehicle class type, variant type, VIN

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#s affected and any related IBOM information to allow easy cross reference of CSI Items to the Engineering IBOM and 3D Model or drawings. This list shall be dynamic in nature with changes taking place as experience and knowledge is obtained and design changes are incorporated. Reports shall be developed IAW DI-SAFT-80970A as a minimum requirement. When the Contractor is performing these analyses the Government shall be permitted access to the Contractor's backup documentation whenever requested to aid and assist in the Government functional area awareness of these analyses.

C.4.5.3.11 The Contractor shall provide a list of components having a requirement for nuclear hardening as part of the CSI effort. The nuclear hardening requirement shall be highlighted as a critical safety characteristic in the TDP and CSI list. All request for Critical Safety Item Support services for all MRAP FOVs or Mission and Support Equipment and reporting activities as specified in this SOW shall follow the format, data elements and frequency of deliver as identified in DI-MGMT-80258A.

C.4.6 Environmental, Safety, & Occupational Health (ES&OH)

C.4.6.1 General: The contractor shall identify and control conditions, real or potential, that can:

C.4.6.1.1 Cause injury, illness, or death to personnel;

C.4.6.1.2 Damage to or loss of a system, subsystem, part or component, equipment, or property; or,

C.4.6.1.3 Damage to the environment occurring during operation of MRAP vehicles for the parts, component, subsystem or system, including software provided as part of this contract, including subcontractor provided parts, components, subsystems or systems.

The Contractor shall not degrade existing MRAP safety related design features. The contractor shall use the system safety methodology in MIL-STD-882D System Safety Program Requirements, as tailored in the Statement of Work C.4.6.2.1.

System design and operational procedures developed or updated by the Contractor shall incorporate the following:

C.4.6.1.4 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,

C.4.6.1.5 Eliminating or reducing significant hazards by appropriate design or material selection and software design applications,

C.4.6.1.6 Controlling or minimizing hazards to personnel which cannot be avoided or eliminated,

C.4.6.1.7 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 concentrations of toxic fumes above established threshold limit values, including all moving parts and mechanical power transmission devices,

C.4.6.1.8 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,

C.4.6.1.9 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 FOV 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.

C.4.6.1.10 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.

C.4.6.1.11 The Contractor shall notify the Government of any changes impacting the meeting of the Federal Motor Vehicle Safety Standards (FMVSS) and Federal Motor Carrier Safety Regulations (FMCSR) in their design solutions or design change solution.

C.4.6.1.12 Hazardous materials shall be disposed of utilizing Contractor procedures IAW applicable local regulations with related costs to be charged to the contract.

C.4.6.2 Safety Assessment Report (SAR) Generation Engineering Support Services

C.4.6.2.1 The Contractor shall perform and document a system safety assessment to identify all safety features of the hardware and

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software design. The assessment shall also identify hardware, software (if applicable) and procedural related hazards that may be present in the system, sub-system, part component or equipment. This assessment shall be a comprehensive evaluation of the risk of a mishap occurring prior to testing or operation of the system. The Contractor shall identify Health Hazards associated with the system and incorporate them into the SAR. A health hazard is defined as an existing or likely condition, inherent to the operation, maintenance, transport, storage or use of material/equipment, which can cause death, injury, acute or chronic illness, disability or damage to the environment. In preparing the health hazard portion of the Safety Assessment Report, the Contractor shall provide as a minimum: Noise (steady state and Impulse), Toxic Gases, Chemical Hazards, Ionizing or non-Ionizing radiation, Heat and Cold, Shock and Vibration to crew members, Electromagnetic Radiation, generation of hazardous waste and/or Biological Hazards. As a result of any safety analyses, hazard evaluations, or Government or independent Contractor testing, the Contractor shall prepare a SAR in Contractor format. This requirement applies to the prototype and production level hardware, as well as subsequent/follow-on block upgrades and safety ECPs. The SAR shall be submitted IAW DI-SAFT-80102B and CDRL A014. The SAR shall:

C.4.6.2.1.1 Briefly describe the part, subsystem, component or system and its components including software;

C.4.6.2.1.2 Provide general physical characteristics of the system and components and describe how the software works in the system (use photos, diagrams, sketches or drawings as necessary);

C.4.6.2.1.3 Identify all safety features of the hardware, software, system design and inherent hazards;

C.4.6.2.1.4 Establish special procedures and/or precautions to be observed by Government test agencies and system operators and maintainers to ensure the safety of personnel and property;

C.4.6.2.1.5 Summarize the safety criteria/methods used to classify and rank hazards;

C.4.6.2.1.6 Summarize results of tests and analyses used to identify hazards. Include results of tests conducted to validate safety criteria or requirements;

C.4.6.2.1.7 Identify hazards that still pose a risk to users, and actions that have been taken to reduce this risk;

C.4.6.2.1.8 Categorize hazards as to whether they may be expected to occur under normal or abnormal use;

C.4.6.2.1.9 Annotate any hazardous material generated or used in the system.

C.4.6.2.1.10 Provide the appropriate procedures/precautions for packaging, handling, storage, use, transportation and disposal of the hazardous material identified in (i);

C.4.6.2.1.11 Include explosive hazard classifications for the hazardous material identified in (i);

C.4.6.2.1.12 Include applicable Material Safety Data Sheets for all chemicals used;

C.4.6.2.1.13 Identify all reference or source documents used to prepare the report; and

C.4.6.2.1.14 Include a signed statement from the Contractor indicating that identified hazards have been controlled or eliminated and the system is ready for operation/test.

C.4.6.2.2 SAR Updates: In the event the software, part, component, subsystem or system is modified or procedural changes are made, the Contractor shall update the SAR to reflect those modifications or changes. The Contractor shall submit an updated SAR IAW DI-SAFT-80102B and CDRL A014. After this second SAR delivery, the Contractor shall provide updated SAR change page notices within 30 days after any new modification or change is implemented. In addition, the Contractor shall immediately notify the Government (within 24 hours) via phone with immediate written follow-up (fax or e-mail) if new hazards or increased risk/hazard probability levels are identified while Government testing of the part, component, subsystem or system is ongoing.

C.4.6.3 Hazard Tracking: The Contractor shall develop a method or procedure to document and track all hazards, to include those identified through testing and other analyses, from identification until the hazard is eliminated or the associated risk is reduced to a level acceptable to the Government IAW CDRL A014. A central file or document called a "Hazard Log" shall be maintained. The Hazard Log shall contain as a minimum: A description of each hazard, to include cause, possible effect and hazard category; Status of each hazard; Traceability of the mitigation measures on each hazard from the time the hazard was identified to the time the risk associated with the hazard was reduced to a level acceptable to the Government.

C.4.6.3.1 HAZARD LOG: The definitions of Severity Categories and Probability Levels identified below shall apply when determining whether a hazard must be identified on the Hazard Log.

C.4.6.3.1.1 Hazard Severity Category

Catastrophic I: Death, system loss or severe environmental damage

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Critical II: Severe injury, severe occupational illness or major system or environmental damage

Marginal III: Minor injury, minor occupational illness or minor system or environmental damage

Negligible IV: Less than minor injury, less than minor occupational illness or less than minor system or environmental damage

C.4.6.3.1.2 Hazard Probability Levels

Frequent A: Hazard is likely to occur. Hazard will be experienced frequently

Probable B: Hazard will occur several times in the life of the item or component

Occasional C: Hazard likely to occur sometime in the life of times the item or component

Remote D: Hazard unlikely, but could possibly occur in the life of the item

Improbable E: Hazard is so unlikely, it can be assumed not to possibly occur

C.4.6.4 Disposition and Closeout: All hazards must receive final disposition by the Government. The Government and the Contractor shall mutually agree as to whether a hazard requires a redesign; however, any redesign required due to a hazard shall be performed at no cost to the Government, and the adequacy of the design change shall remain the responsibility of the Contractor.

C.4.6.5 Safety Review Support: The Contractor shall provide support for analysis activities of Class A and Class B mishap investigations and formal safety reviews in support of the program i.e., Weapons Systems Explosives Safety Review Board (WSESRB), Laser Safety Review Board (LSRB), and Lithium Battery Review process.

C.4.7 Analysis of Field Problems Support Services

C.4.7.1 The contractor shall evaluate Test Incident Reports (TIRs), Equipment Improvement Recommendations (EIRs), Recommended Changes to Publications (DA Form 2028), Government Suggestions (DA Form 1045), Unsatisfactory Equipment Reports (UERs), and similar documents to determine whether a change is required in the MRAP Logistics Support System, to include tools, test sets, Technical Manuals (TMs), and maintenance concepts.

C.4.7.2 The Contractor shall resolve long-term problems and develop quick fixes to field problems. The quick fixes shall provide interim solutions to field problems on an expedited basis. The resulting documentation/data shall be the minimum required to implement the fix. The Contractor shall then develop the data further through testing, cost effectiveness studies, and design reviews that shall result in a change to the documentation in the system TDP.

C.4.7.3 Support Services: The Contractor shall provide support relating to the contracted items (OEM Equipment) and data at Government specified locations. Such services consist of training; coordination, attendance at program, technical and logistics meetings; support of Government test; and field review of deficient or defective items, as required. The Contractor shall develop special interim or work around procedures/techniques using test sets to solve field problems as appropriate.

C.4.7.4 Fielding Coordination: MRAP FOV TMs and Interactive Electronic Technical Manuals (IETMs) and Electronic Technical Manuals (ETMs): The Contractor shall coordinate the planning of draft troubleshooting changes to the MRAP FOV TMs with retrofit of fielded test set hardware/firmware to ensure their concurrent delivery to field sites.

C.4.8 TMDE Support Services

C.4.8.1 The Contractor shall maintain a continuing program for analysis of system, component, and TMDE deficiencies based upon inputs obtained by field engineers or furnished by the Government. The Contractor, where necessary, shall fabricate hardware for engineering test; conduct engineering tests, monitor user tests; prepare final designs and develop Source Data for an ECP/RFD/RFW.

C.4.8.2 Analysis of Changes: The contractor shall provide analysis of all MRAP ECP/RFD/RFWs/NOR/ERR under work directive potentially impacting TMDE to the appropriate TMDE Contractors. For those ECPs/RFW/RFD assessed by the Contractor as having TMDE impact, The Contractor shall comply with the Government CM and PDM system requirements defined in section C.2 and C.4 Correction/Changes to TMDE/ Vehicle Health Management System (VHMS). When the analysis determines the need for change to TMDE/VHMS to correct problems or maintain compatibility with the MRAP FOV, the Contractor shall provide the following services:

C.4.8.2.1 For Hardware Corrections/Modifications, the Contractor shall:

C.4.8.2.1.1 Investigate and analyze test set related deficiency reports to identify nature and source of each problem,

C.4.8.2.1.2 Investigate and analyze test set related operational test problems to include failure reports and the like,

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C.4.8.2.1.3 Develop solutions to problems related to system operation, vehicle test, failures, hardware/firmware, performance and documentation, and

C.4.8.2.1.4 Conduct investigations, studies, or programs for TMDE hardware

C.4.8.2.2 For TMDE Physical/Function Interface Corrections/Modifications, the Contractor shall:

C.4.8.2.2.1 Provide on-site support or investigation and/or field tests upon request.

C.4.8.2.2.2 Work with the appropriate TMDE Contractor to perform functional or interface non-compatibility analysis where vehicle application adversely impacts test set physical/functional configuration baseline.

C.4.8.2.3 For Software Corrections/Modifications, the Contractor shall:

C.4.8.2.3.1 Investigate and analyze test set related deficiency reports to identify nature and source of each problem.

C.4.8.2.3.2 Develop solutions related to system operation, diagnostic failures, and message interpretation.

C.4.8.2.3.3 Conduct investigations, analysis, or programs for TMDE/VHMS Software

C.4.8.3 TMDE Software: The Contractor shall work with the appropriate TMDE Contractor to ensure the compatibility of TMDE software to the MRAP Program.

C.4.8.4 Direct Support Electrical Systems Test Set (DSESTS)-MRAP/Family of Vehicle Systems (FVS) Validation: The contractor shall perform validation of proposed engineering changes and product improvements using the DSESTS-MRAP/FVS diagnostic test set. This shall apply only to changes to the MRAP peculiar applications programs and commonly shared executive program.

C.4.8.5 Embedded Diagnostics/Health Management Validation: The contractor shall perform validation of proposed engineering changes and product improvements to Embedded Diagnostics and Health Management Systems. This shall apply only to changes to the MRAP peculiar applications programs and commonly shared executive program.

C.4.8.6 Software Retrofit:

C.4.8.6.1 The Contractor shall assist the Government and TMDE Prime Contractors in the coordination of all software field updates associated with the DSESTS-MRAP/FVS, Embedded Diagnostics, Prognostics and Health Management.

C.4.8.6.2 The Contractor shall recommend when a software update should be performed based on the magnitude and significance of the software corrections/modifications.

C.4.8.7 The Contractor shall follow industry standards in the efforts of software architecture, design, coding, testing, safety evaluation, software reliability and robustness, as it relates to software development efforts.

C.4.8.8 Test Maintenance and Diagnostic Equipment, (GFP) Repair: The Government will provide for the maintenance of all GFP TMDE provided for the performance of this program.

C.4.8.9 Configuration Management (CM)/Configuration Change Review: The Contractor shall review all ECPs and RFD/RFWs on TMDE hardware and software, which are furnished by the Government or TMDE Contractors. The review shall assess the compatibility of the proposed changes with the MRAP FOV Configurations, potential impact to MRAP logistic support element (i.e. Logistics Management Information (LMI), TMs, Training), and the quality aspects of change.

C.4.9 Reserved

C.4.10 Reserved

C.4.11 Reserved

C.4.12 Development of Improvements to Vehicle Systems

C.4.12.1 The Contractor shall furnish the supplies and services necessary to:

C.4.12.1.1 Develop improvements to the vehicle system;

C.4.12.1.2 Integrate improvements into the system;

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C.4.12.1.3 Provide technical support and interface concerning the MRAP FOV to related developmental programs

C.4.12.1.4 Support and interface to other programs is limited to providing technical information, data, and expertise on MRAP FOV, derivatives and related equipment.

C.4.12.2 The Contractor shall perform system analysis, definition, integration planning, preliminary design, and full development. Work may include engineering, manufacturability, prototyping, test (both conduct of Contractor and support to Governmental testing), RAM-D, quality assurance, configuration management, safety, MANPRINT, and integrated logistics support as certified by the applicable paragraphs of the statement of work.

C.4.12.3 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. The Contractor shall participate in the following:

C.4.12.3.1 Systems Requirements Review

C.4.12.3.2 System Function Review

C.4.12.3.3 System Design Review

C.4.12.3.4 Preliminary Design Review

C.4.12.3.5 Critical Design Reviews (CDR)

C.4.12.3.6 Other interim program reviews

C.4.12.4 The Contractor shall support Government demonstrations of MRAP developmental systems and components. These demonstrations of developmental systems may include but are not limited to: Army War fighting Demonstrations, Experiments and Rotations at the National Training Center. Support may include the design and documentation of the system or component improvement as well as on-site technical and logistics support to the demonstration.

C.4.12.5 All request for Analysis of Changes Support services for the MRAP FOV Vehicle or Mission and Support Equipment and reporting activities as specified in this SOW shall follow the format, data elements and frequency of delivery and shall use DI-MGMT-80995A, DI-MGMT-80933 as guidance in these documents.

C.4.13 Design Improvement Investigation Support:

C.4.13.1 The Contractor shall conduct a program of design improvement and study for the purpose of improving performance and RAM-D of the MRAP FOV System for these support services. The Contractor shall present design reviews and recommendations on the feasibility of implementation of the design improvements. The Government may direct investigations into the following areas of design:

C.4.13.1.1 Electrical Projects

C.4.13.1.2 Safety Related

C.4.13.1.3 Armament Projects

C.4.13.1.4 Auxiliary Systems Projects

C.4.13.1.5 Engine/Power Train Interface Projects

C.4.13.1.6 Structures Projects

C.4.13.1.7 Armor Projects

C.4.13.1.8 Suspension Projects

C.4.13.1.9 Special Vehicle Equipment Projects

C.4.13.1.10 TMDE Projects

C.4.13.1.11 System Software Projects

C.4.13.1.12 Vetric Unique Equipment Projects

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C.4.13.1.13 Training Aids and Devices, Simulations, Simulators (TADSS) Projects

C.4.13.1.14 Condition Based Maintenance (CBM) Projects

C.4.13.1.15 Prognostics and Health Management Projects

C.4.13.1.16 Other Projects

C.4.14 System Test Program/ Overall Test Program Support

C.4.14.1 Contractor shall coordinate the planning, execution and evaluation of all Contractor Testing, the supply of support and services required for all Contractor and Government testing, monitoring at Government test sites and reporting requirement. The permanent relocation of Contractor technical representatives to remote field test sites is authorized to meet requirements of the contract in a manner that is both most economical and beneficial to the Government. In addition, the Contractor shall provide the necessary special test facilities and all effort and material necessary for conducting essential Contractor in-house testing, including subcontractors testing required in support of Government test and evaluation objectives.

C.4.14.2 Contractor shall correct deficiencies identified by the Government Inspectors inspecting MRAPs during initial receipt at Government test sites.

C.4.14.3 Contractor shall furnish the necessary technical management for planning and execution of support and services for conducting system tests.

C.4.14.4 Contractor shall procure and maintain state-of-the art tools, timers and counters and special test equipment in test vehicles specified in the system test schedule. Included shall be equipment and software required for the downloading of documentation, distribution, and processing of test data and reports/records. Contractor will maintain this GFP IAW Paragraph C.8.

C.4.14.5 Contractor shall provide System Support Packages (SSPs) or other maintenance and/or spare parts support for MRAP FOV and derivative test vehicles for their continued operation throughout the period of this contract. This includes repair/replacement of MRAP subsystems/components in order to bring the test vehicle(s) into satisfactory condition for test/training/logistics events.

C.4.14.5.1 The SSP is a composite package of support resources, to include spare parts, special tools, etc. SSPs shall be provided. Items not furnished in sufficient quantity shall be provided by the Contractor to the specified location within 24 hours after notification of the shortage. All items comprising an SSP shall be the same configuration and source as will be used on the MRAP production vehicles.

C.4.14.5.2 Contractor shall provide a list of the SSP items to the Government using DI-MISC-80508B as a guideline off SSP List items.

C.4.14.5.3 Contractor shall assemble, furnish, package, pack and ship the SSP to the designated site(s). The SSP shall be coordinated with the Government and shall consist of some or all of the following in C.4.14.5.4 through C.4.14.5.13.

C.4.14.5.4 Spare or repair parts and parts needed to meet the requirement arising from predicted failures, scheduled maintenance and anticipated wear out sufficient to support the test requirements. The SSP to support Logistic Demonstrations shall consist of mandatory replacement items and items most likely to be consumed or broken during a disassembly or assembly process, such as seals and gaskets.

C.4.14.5.5 Special Tools and Test Measurement and Diagnostic Equipment (TMDE): Required common tools or tool kits, equipment and TMDE identified in the Government supply catalogs shall be identified on the SSP list, but need not be physically present in the SSP. The Contractor shall identify and utilize existing Government tools and test equipment to the maximum extent feasible. Required tools and TMDE not found in the Government supply catalogs shall also be identified in the SSP list and be provided as part of the SSP. Tools and TMDE not found in the Army supply catalogs shall be designated as special tools and special TMDE.

C.4.14.5.6 Equipment Publications: The most recent version of each equipment publication shall be identified on the SSP list and shall be provided as part of the SSP. When updates are made to any publication during the course of Logistic Demonstrations or testing, those updates shall be forwarded to the appropriate site(s).

C.4.14.5.7 BII and Components of the End Item (COEI): BII as required by the specifications and COEI shall be identified in the SSP list. Additional BII and COEI need not be physically present in the SSP if complete BII and COEI packages are provided with the Logistic Demonstration and test vehicles.

C.4.14.5.8 Expendable Supplies: Expendable supplies such as petroleum, oils and lubricants, shall be identified in the SSP list. Only unique (not Military Standard) products shall be physically present in the SSP.

C.4.14.5.9 Personnel Requirements: The Military Operational Specialty (MOS) and skill level required to operate and maintain the vehicle system shall not be identified in the SSP list.

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C.4.14.5.10 Support Equipment: Equipment already existing in the Army inventory to support the vehicle system, such as recovery vehicles and towing devices, shall be included in the SSP list, but not provided by the Contractor as part of the SSP.

C.4.14.5.11 Contractor shall prepare and/or review test plans/reports.

C.4.14.5.12 Test Support: The Contractor shall supply test hardware, software, labor, parts facilities, instrumentation and other items necessary to perform tests as directed by the Government IAW CDRL A019.

C.4.14.5.13 All request for System Test Program/ Overall Test Program Support services for the MRAP FOV Vehicle or Mission and Support Equipment and reporting activities as specified in this SOW shall follow the format, data elements and frequency and shall use DI-QCIC-81110 as a guideline for this data.

**C.4.15 Special Tools and Support Equipment**

C.4.15.1 Contractor shall conduct a program to support the tools, special tools and test equipment for new or redesigned components. If tools or test equipment require change as a result of design change or field identified problems, an ECP/RFW/RFD shall be prepared.

C.4.15.2 Contractor shall provide the necessary personnel, services, materials, and facilities to acquire and deliver to the Government, prototype and final configuration model tools and support equipment, along with adequate numbers of spares and support LMI data. The Contractor shall validate the redesign, and incorporate necessary changes, as part of the tool redesign/design effort. The Contractors must maintain CM Control of all Special Tools and Support Equipment types revisions levels used on each MRAP FOV variant shall directly associated these with the Contractors vehicle variant, model and affected VIN # and specific part, component, sub assembly or assembly # the STSE is used.

C.4.15.2.1 Table of Distribution and Allowance (TDA)/Table of Organization Equipment (TOEs): The most current series of TOEs shall be provided by the Government as required for use in making support equipment determinations.

C.4.15.2.2 TDA/TOEs for National Guard units shall be used to make support equipment determinations related to fielding of National Guard units.

C.4.15.2.3 All support equipment technical data shall be subject to Contractor CM control and Government modification and change approval. When a new or additional support equipment need is indicated, the Contractor shall follow the order of precedence below in submitting a suggested item:

C.4.15.2.3.1 Use of equipment available to MRAP FOV using units or MRAP support units,

C.4.15.2.3.2 The modification of already available equipment or a TOE change which authorized the recommended item at a lower level,

C.4.15.2.3.3 The use of a Federal Supply item by adding it to the units TOE as common equipment,

C.4.15.2.3.4 The use of a Federal Supply item by adding it to the MRAP FOV Repair Parts and Special Tools List (RPTSL) as a special item, and

C.4.15.2.3.5 The development of a new support item.

C.4.15.2.4 In addition to LMI, the Contractor shall maintain, and furnish to the Government as required, special tool records and documentation. These shall include, at a minimum, drawing and print files; prototype or production procurements; implementation of Engineering Change Requests (ECRs), EIRs and field suggestions. CDRL A035

**C.4.16 Specifications and Standards Service Support**

C.4.16.1 The Contractor shall prepare and provide for the Government the entire list of contractor used product specifications in support of the provided Contractors MRAP FOV Variants.

C.4.16.2 New specifications shall be proposed and incorporated in an ECP/RFW/RFD/NOR and submitted via the Government provided PDM Link ECP/RFD/RFW management system for Configuration Control Board (CCB) action.

C.4.16.3 The application of specifications, standards and related documents shall be limited to documents specifically cited in the contract as requirements and to specified portions of documents directly referenced therein (first tier references).

**C.4.17 Software/Firmware Design and Configuration Control**

C.4.17.1 The contractor shall operate a software/firmware configuration control system that assures positive control of release and changes to new and existing software/firmware. At any time the Government may audit the proper storage, configuration control and use of

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practices as defined in Std EEE/EIA 12207 and Mil HDBK-347-NOT.

C.4.17.2 The contractor shall maintain Software development libraries using an automated configuration control tool.

C.4.18 Software Support Equipment

C.4.18.1 The contractor shall maintain the software development, software configuration management, software integration and test effort and shall include maintenance of laboratory equipment, procurement of updated hardware as the production hardware changes and operation of a system problem report data base and closed loop resolution system. The Contractor shall also maintain the MRAP computer simulators with the latest Soldier Machine Interface per the most current software version.

C.4.18.2 Reserved

C.4.18.3 Software Quality Assurance: The Contractor shall maintain a Software Quality Assurance Program (SQAP) to meet, as a minimum, the requirements of IEEE/EIA 12207.

C.4.19 Equipment Publications

C.4.19.1 The contractor shall provide the most recent version of each equipment publication. When updates are made to any publication during the course of Logistic Demonstrations or testing, those updates shall be delivered to the Government.

C.4.20 Reliability, Availability and Maintainability-Durability (RAM-D) Program

C.4.20.1 The Contractor shall update the MRAP FOV Reliability and Maintainability Program Plan(s) to reflect the current phase in the MRAP Life Cycle.

C.4.20.1.1 Reserved

C.4.20.1.2 The Contractor shall perform special RAM-D evaluation and analysis as determined necessary by the Government. Special evaluation and analysis maybe required for Product Improvement Program (PIP), rebuilt and/or Cold Region Test Center (CRTC) tests and shall report this data IAW CDRL A020.

C.4.20.1.3 Contractor shall provide analysis and support to Government scoring, aggregation and close-out conferences and provide support to corrective action meeting for the MRP Test Program. The Contractor shall be required to prepare documentation, presentations and consolidation of corrective actions in support of scoring conference for system testing.

C.4.20.1.4 Contractor shall perform RAM-D evaluation and analysis as determined necessary by the Government and shall report all RAM-D evaluation and analysis data on a format, frequency, Government repository location and data fidelity agreed to by the Government.

C.4.20.1.5 Contractor shall conduct failure analysis of failed hardware IAW the RAM-D Program Plan from field and test sites for all System Testing. Test failure analysis coverage may be deleted or substituted as authorized by the Government.

C.4.20.1.6 The contractor shall maintain a closed loop system to report, analyze and generate corrective actions for failures encountered during System Testing. Contractor shall maintain a continuous record of open and closed TIRs. The Contractor shall record the length of time and the incident by classification.

C.4.20.1.7 The contractor shall conduct failure analysis to identify the root cause for failure of items identified by the Government, studies to correct known or potential deficiencies, to accomplish product improvements, to accomplish cost reductions, and to maintain current contract item data for serviceability and intended use. Such studies may be required with respect to proposals for engineering changes and attendant processes and methods. All efforts shall consider logistics and any impact to maintainability or supportability. In performance of these efforts, the Contractor may be required to contact or coordinate with current MRAP manufacturers and major vendors in order to resolve issues, ensure continued producibility, etc. Issues affecting these other companies must be considered and related risks weighed in the performance of this contract. The Contractor shall report all failure analysis and root cause data.

C.4.20.1.8 The Contractor shall prepare cost estimates, technical reports, calculations, layouts, drawings and CAD models, sketches, schematics charts and other visual depictions (including photographs and videos documenting test results or vehicle or component conditions), purchase descriptions, and recommend ECPs for current and future production versions of the contract item and modifications thereof. CDRL A020.

C.4.20.1.9 The contractor shall prepare and submit technical reports identifying the results of investigations or evaluations. Include recommendations for future course(s) of action as well as the supporting rationale and documentation. The supporting documentation shall include the items with data fidelity to the extent necessary to support all conclusions made in the report. When the report recommends an ECP/RFW/RFD, the report shall also address the potential impact on ILS (initial or follow-on provisioning, technical manuals, TMDE, tools, training, etc.) as well as any anticipated cost and weight associated with the change IAW CDRL A021.

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C.4.20.1.10 The contractor shall conduct trial installations of component part(s) and associated testing on the contract item, or modification thereof, and testing related to processes and methods that are required to evaluate the work. The Contractor shall provide parts, materials and supplies required to support and conduct engineering and logistic evaluations, maintenance, rebuild and restoration of the contract item or modification thereof for items undergoing such tests. To meet emergency requirements, the PCO may direct the Contractor to ship such parts by the most expeditious means available to specified destinations.

C.4.20.1.11 The Contractor shall modify existing engineering and test versions of the MRAP and fabricate subsystems, components, prototypes and mock-ups of future production versions of the vehicle.

C.4.20.1.12 The Contractor shall maintain their technical data so they are kept current, legible and available for use as a basis for design evaluation, maintenance, modification, or engineering support of the MRAP FOV.

C.4.20.2 RAM-D Controls

C.4.20.2.1 Contractor shall maintain a closed loop data base which incorporates details of each test incident, failure analysis and corrective action associated with system testing. Some failure analysis and corrective action may be excluded on a test-by-test basis. The Contractor shall report with corrective actions all test incident, failure analysis and corrective action associated with system testing IAW CDRL A013.

C.4.20.2.2 Contractor shall establish/maintain reliability and maintainability interfaces and controls with engineering, quality/product assurance, manufacturing, production, ILS and subcontractors. The Contractor shall report all maintain reliability and maintainability interfaces and controls with engineering, quality/product assurance, manufacturing, production, ILS and subcontractors.

C.4.20.2.3 Contractors RAM-D Office shall continue sign-off authority and review for all ECPs/RFD/RFW/NOR/ERR, drawings, deviations, waivers, part application and production process changes.

C.5 General Configuration Management System/Subsystem/Design Engineering Support

The Government is the Original Design Activity for all products and data developed under this contract and, as the Current Document Change Authority (CDCA), is the only entity with decision authority over the kits and respective design data.

C.5.1 The Contractor shall establish a CM program for Configuration identification, control, status accounting, verification, audit, and data management of the Contractors FOV. The Contractor shall use a robust Configuration Management system, methods and solutions to establish and maintain Configuration Control of the Contractors FOV for all variants per ANSI/EIA-649 and MIL-HDBK-61. The Contractors support requirements includes all prime Contractors, subcontractors, and Government support agencies, including but not limited to Government MRAP Joint Program Office (JPO)-PM, other PEO-PM, and sub-contractors that are Contractor/Government item provider list, to accomplish the successful establishment of a enterprise wide Configuration Management System.

C.5.2 The contractor shall perform Configuration Management System/Subsystem Engineering support to the extent described below.

C.5.2.1 The Contractor shall use a robust Configuration Management system and implement methods and solutions to establish and maintain Configuration Control of the Contractors FOV for all variants.

C.5.2.2 The Contractor shall perform Configuration Management Engineering support activities to allow the Government to develop, start-up and implement a robust Government based Configuration Management system, methods, tools, solutions, processes and to ensure the Government has the most current real time up to date set of data and information as it relates to TDP, 2D-3D Models, IBOM, Configuration baselines, Configuration Status Accounting information, serialized asset information, engineering studies, engineering reports, engineering specifications, engineering standards, item and item supplier/NSN technical support data, technical operation, maintenance, repair or training manuals of the Contractor MRAP FOV.

C.5.2.3 Configuration Management support activities shall also include the data investigation, collection and revision maintenance of previous, pending, and new MRAP FOV vehicle variant Configuration Management information.

C.5.2.4 CM Support request for this information may include Contractor direct interface with other Government military branches, support agencies including those organizations or other Government PEO and PM offices managing the design and Contractor coordination of GFP, Government Contractors or Government integration partners of GFP current used or to be used in the Contractor MRAP FOV. Support requests may also be made to support previous/new Government Contractors or Government supply chain partners utilized in the future modification and upgrade or technical insertion of the current or new fleet of MRAP FOV variants the Contractor has currently produced and delivered to the Government or could provide to the Government in the future.

C.5.2.5 Support to the Government Configuration Control Board

C.5.3 Government PDM System(s)

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C.5.3.1 Reserved

C.5.3.2 The Contractor shall provide services to the Government to perform the initial population of our Government PDM system and mapping of the Contractors MRAP FOV variant platform of vehicles.

C.5.4 Government PDM System(s) Access Passwords/Login In: The Contractor shall obtain a login and password and shall use the Government PDM system(s) for all Contractor personnel responsible for preparing ECPs, RFW,RFD,NOR, ERRs or for providing IBOM and critical TDP information required to populate these Government system.

C.5.5 Government PDM System(s) Training: The Contractor shall attend training on the Government PDM system(s) and comply with new direction and requirements of the Government PDM system(s) throughout the lifecycle of the program. The Contractor shall track and provide to the Government a specified data base list of all Contractor personnel trained and indicate to what level they have been trained.

C.5.6 Use of Contractor Existing CM System: Contractor shall participate in Configuration Control Board (Configuration Control Board Charter is Attachment 0019) to provide clarification and answer question regarding documents prepared by the Contractor and submitted to the Government for approval. The contractor shall update, deliver and maintain a current Contractor based CM Plan and System IAW CDRL A115. The Contractors CM-PDM plan and system shall address configuration control processes, technical data storage, relationships with activities within and outside the Contractor (to include methods to ensure subcontractor CM processes), interface management, configuration status accounting, and any special CM requirements identified by the contract. The Contractors CM-PDM plan and system shall address any special CM requirements.

C.5.7 Configuration Identification

C.5.7.1 Requirements for Configuration Identification for the MRAP FOV are set forth below. The Contractor shall update all Contractor related TDP, 3D Models and other program technical data Configuration Identification Records to incorporate approved changes. The Government defines vehicle configuration identification information categories using the following criteria:

C.5.7.1.1 Allocated Configuration Identification (ACI): Interface Control Documentation (ICD) for Mission and Support Equipment and Contractor furnished items.

C.5.7.1.2 Production Configuration Identification (PCI): All product specifications, product drawings and related documents used for products are the Product Configuration Identification (PCI).

C.5.8 Parts Standardization Plan and Contractor-Government Parts Standardization Plan Implementation Engineering Support

C.5.8.1 The contractor shall select parts and conduct a parts management program, that first utilizes existing parts solution that already exist in the Government NSN parts database system IAW the Contractor's standard design approval procedures, and which ensures the equipment (or system) meets the specification performance requirements with the greatest level of Operational Effectiveness (described as function of performance, reliability, availability, and life cycle costs).

C.5.8.2 The Government, shall conduct audits of the Contractors parts management program, the Contractors CM and PDM Product Data Management Systems to review the effectiveness of the Contractors parts management program, CM and Product Data Management Systems control of 3D Cad Model designs and changes, parts identification, Contractor change parts inventory management control methods and the Contractors transition system for the identification of part revisions on the Contractors or sub-Contractors production floor.

C.5.8.3 The contractor shall prepare a Parts Management Plan, detailing the documented internal procedures for Engineering Change Control, parts management, parts ordering, parts packaging, parts inventory, parts identification, part delivery, and part replacement control systems.

C.5.8.4 Diminishing Manufacturing Sources and Material Shortages (DMSMS) Management Plan: The Contractor shall develop and maintain a DMSMS management plan IAW CDRL A104 for managing the loss or impending loss of manufacturers or suppliers of parts and/or material, as required by DoD 4140.1-R, DoD Supply Chain Management Material Regulation. Planning should include issues such as long-lead material, unique processes, tooling, parts and material obsolescence. The use of Business Case Analysis to support DMSMS decisions is necessary to ensure DMSMS decisions are sound. All plans shall cover the plan elements addressed within the DMSMS Management Plan Guidance. A proactive DMSMS Program shall be applied to insure all DMSMS issues are appropriately mitigated throughout the entire life cycle of the system. The Contractor shall alert the Government as soon as possible when a part has been identified as DMSMS or obsolete, and provide recommendation to resolve the issue. The Contractor shall evaluate other alternatives when there is an issue with DMSMS or obsolescence. Alternative resolutions such as alternate sources, replacement parts and aftermarket parts are a few resolutions that can be considered. The Contractor shall consider revising the engineering drawing, schematics and specification when it has been identified that changes have been made. 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.

C.5.8.5 DMSMS Forecasting and Notifications: The Contractor shall establish a process for identifying and notifying the Government of

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forecasted and identified DMSMS issues to the Program Office. The Contractor shall use predictive tools and methods to proactively forecast and monitor parts for DMSMS. The Contractor shall provide access to all DMSMS information for Government review. A Government representative shall participate as a member of the DMSMS Management Team and have full access to all DMSMS data and information. The Contractor shall provide DMSMS updates, in Contractor format, to the PM upon request, during each IPR and ILA, immediately upon discovery that a potential DMSMS issue may severely impair system life cycle cost or readiness. The Contractor shall turn over, at no additional cost to the Government, all current and historical DMSMS data and information upon declaring to the Government of its discontinuance of production and exit from the program

C.5.9 ECP/RFW/RFD/NOR/ERR Engineering Support CDRL A024, A025, A026

C.5.9.1 The Contractor shall prepare a calculations, layouts, drawings, sketches, schematics, charts 2D-3D CAD and other visual depictions, purchase description, specifications, cost effectiveness studies or analysis and recommendations in Government standard Engineering Change Forms (DD-1492-1493) along with Government and Contractor provided standard functional area impact Check Sheets, or current/future Government PDM System metadata entry screens. All ECP/RFD/RFW/NOR/ERR submitted meet a minimum Government submittal quality criterion to ensure the Government has the fidelity of data needed to properly assess all ECP/RFD/RFW/NOR/ERR for current and future production versions of the Contractors MRAP FOV, systems and modifications thereof. The Government will work with the Contractor in establishment or revision of these submittal standards and request as a default baseline, the full population of Forms DD-1492-1493 to be submitted with each ECP/RFD/RFW/NOR/ERR whether the request is for investigative or final approval ECP/RFD/RFW/NOR/ERR.

C.5.9.1.1 ERR: The Contractor shall prepare an ERR for each approved ECP/VECP and initial release of TDP IAW DI-CMAN-80463, DD Form 2617 (Attachment 0006), and CDRL A105. The ERR number shall be the same as the ECP number. Multiple ECP releases on one ERR is not allowed.

C.5.9.2 The contractor shall provide necessary interface and a liaison as required by the Government, both CONUS and OCONUS to help coordinate, communicate, review and provide implementation support of ECP/RFD/RFW/NOR/ERR driven or implemented by a wide variety of sources including but not limited to the war fighter, support Government agencies, other military branches, field failures, development and prototyping activities, supply chain quality or delivery issues, production, Mission and Support Equipment Integration, Transportation, de-processing, whether OCONUS or CONUS or at the Contractor prototype and or production facilities.

C.5.9.3 The contractor shall provide the necessary support to conduct MRAP FOV testing, including ballistic testing.

C.5.9.4 The contractor shall provide the necessary support on the MRAP FOV for all special projects.

C.5.10 Technical Data/Configuration Management System Engineering Support Other Agencies

C.5.10.1 ECP/RFW/RFDs/NOR/ERR affecting Defense Logistics Agency (DLA) Items

C.5.10.1.1 The Contractor shall obtain electronic access and furnish all Configuration Management, part number or NSN number changes through the appropriate DLA ECARDS or other DLA systems, of all pending and approved Change Requests (CR), ECP, ERR and revised drawings to the appropriate DLA office after the ECP/RFW/RFD/NOR or ERR has been approved by the Government for implementation.

The Contractor shall provide all previous, current and new part, component, sub assembly or assembly part number information and revision level information along with all affected NSN information to the DLA Offices. The Contractor shall notify by EMAIL, the Government platform Configuration Management designee associated with the Contractors FOV and the affected DLA representative when the ECP or CR is approved and data has been updated in the DLA ECARDS, system. The Contractor shall adapt notifications via e-mail to any new process or IT system improvement implemented to further automate the DLA change notification process. The location of the DLA Offices are as follows:

S9C Defense Construction Supply Center  
3990 E. Broad Street  
ATTN: DSCC-VTAA  
Columbus, OH 43216-5000  
e-mail: terrell.carter@dla.mil

S9E Defense Construction Supply Center  
3990 E. Broad Street  
ATTN: DSCC-VTAA  
Columbus, OH 43216-5000  
e-mail: terrell.carter@dla.mil

S9G Commander  
Defense General Supply Center  
Jefferson Davis Highway  
ATTN: DSCR-VADA  
Richmond, VA 23297-5000

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e-mail: gary.riffle@dla.mil

S9I Commander  
Defense Supply Center Philadelphia  
700 Robbins Avenue  
ATTN: DISC-JLTA  
Philadelphia, PA 19111-5096  
e-mail: mhughes@dscp.dla.mil

**C.5.11 Physical Configuration Audit (PCA)**

C.5.11.1 A PCA shall be performed by the Contractor and Government personnel to validate new or prototype hardware and/or new vehicle configurations. The PCA shall be based upon approved ERRs and the Government will provide the Contractor with an outline of the requirements for the PCA. The contractor shall submit a PCA Plan for Government approval IAW CDRL A106 and PCA agenda provided IAW CDRL A107.

C.5.11.2 The Government will provide the Contractor with a PCA findings report. The Contractor must correct errors and present corrective actions through an ECP to the Government before PCA approval is considered. ECPs which provide PCA corrective actions shall be submitted to the Government for CCB approval within 30 days of receipt of the PCA report.

C.5.11.3 PCAs shall be conducted to establish the vehicles baseline as required by the Government during the vehicles lifecycle. The selected vehicle shall be compared against the design documentation to assure the vehicle conforms to the supporting documentation. The Contractor shall support a Government PCA in order to define, verify, and validate a complete Product Baseline provided to the Government. The Government reserves the right to audit up to 100% of the vehicle configuration if discrepancies are found. Audit findings shall be submitted per CDRL A107, Technical Reports.

As part of the PCA, the Contractor shall utilize the IBOM vehicle product structure and software specifications, where applicable. After Government review of the IBOM-product structure, the Government will advise the Contractor which items they intend to audit. The Government may perform a PCA on one vehicle per variant with Contractor participation, to include incorporation of all formal testing related changes. If the Government chooses to perform a PCA, the Government will provide the Contractor the minimal requirements for the PCA. The Contractor shall provide a completed PCA Plan, per CDRL A106, for approval 30 working days after the Government provides the requirements for the PCA. All findings from the PCA will be reviewed by the Contractor and a corrective action plan for each finding will be submitted to the Government within 10 working days after Government submits the findings. Corrective actions for all findings shall be made by the Contractor within 60 days of receipt of audit findings.

As part of the PCA, the Contractor shall provide required safety equipment to the PCA team. The Contractor shall provide all required measuring instruments (e.g. micrometer, measuring tape, IUID reader) to support the PCA activities. The Government will notify the Contractor of any external, third party Contractors that are acting on the Government's behalf as part of the Government team. The Contractor shall support the requests to provide NDAs to any external contractors (Government auditors) that are acting on the Government's behalf as part of the Government team. The Contractor shall provide the Engineering BOM to be utilized during the PCA. The Contractor shall provide necessary engineering support, with all support personnel having a detailed knowledge of the product(s) being audited.

**C.5.12 Configuration Status Accounting Information: The contractor shall maintain and deliver:**

C.5.12.1 Configuration Status Accounting Report(s) (CSAR) for changes affecting the Contractors FOV which provide a detailed description of product design data, ECP and ERR status, IAW CDRL A022

C.5.12.2 A Master Data List for the Contractors FOV. This report shall, at a minimum, include the nomenclature, number, revision, date, location, etc. of engineering drawings, 3D models and associated lists, associated documents, schematics, installations, diagrams, instructions, software configurations, UID, decals, labels, warnings, critical safety items, kits, armor, manufacturing and process specifications, and other data created for the Contractors FOV. This report shall be prepared IAW CDRL A109

**C.5.13 Reserved****C.5.14 Reserved****C.6 ILSC and Logistical Support Services****C.6.1 ILS Program**

C.6.1.1 ILS Responsibilities: The contractor shall conduct an ILS Program in support of the MRAP Systems Program as described below. The Contractor shall integrate the efforts of its subcontractors and Government-Contractors supplying MRAP components and major items of support equipment. The Contractor is responsible for planning, managing, and ensuring ILS considerations are an integral part of the overall system. The contractor shall prepare and update an Integrated Master Schedule (IMS) IAW CDRL A027, Integrated Logistics Support Plan (ILSP) IAW CDRL A118, and Life Cycle Sustainment Plan (LCSP) IAW A028.

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C.6.1.2 Pollution Prevention and Integrated Logistics Support Elements: The Contractor shall include environment, hazardous and toxic material; safety and pollution prevention in development of all ILS documentation to include the ILSP required for each milestone throughout the acquisition Life Cycle using DI-MGMT-80899 Hazardous Waste Report as a guideline for data required.

C.6.2 Logistics Management Information: LMI effort under this contract shall be the genesis for ILS. The LMI shall lead and drive the ILS effort as front-end analysis for all logistic support efforts and shall also apply to engineering change and software development efforts conducted under this contract, as well as Government approved logistics engineering changes necessary to change logistics support elements. ECRs shall not be implemented without LMI and CM coordination and concurrence. The contractor shall use DI-ALSS-81530 and DI-ALSS-81529 as guidance for reporting this information.

C.6.3 LMI Maintenance: The Contractor shall conduct, maintain and provide to the Government as requested, LMI as a result of ECPs, DA Forms 2028, approved suggestions, Supply and Maintenance Assessment Review Team (SMART) initiatives and as directed by the Government.

**C.6.4 LMI Program**

C.6.4.1 The contractor shall conduct a full LMI Program and maintain it with continuously updated data. LMI Data Elements shall be completed and maintained IAW CDRL A041, DD Form 1949-3 shall be provided.

C.6.4.2 Supportability Analysis/Logistics Management Information (LMI): The Contractor shall conduct Supportability Analyses to develop logistics products described in this contract. The Contractor shall use MIL-PRF-49506, Performance Specification, Logistics Management Information (LMI), in identifying content, format, delivery and related guidance for logistics data except as otherwise identified in this contract. The Contractor shall validate all documentation prior to submittal to the Government. Government receipt of data deliverables does not constitute acceptance. Government acceptance of data deliverables hinges on the completeness, accuracy, compatibility of submitted documentation, and the applicable military standards and specifications.

C.6.4.3 Maintenance Planning: The Contractor shall analyze the maintainability characteristics of the MRAP FOV and plan maintenance supportability in accordance with the Armys Two-Level Maintenance policies outlined in Army Regulation 750-1, Army Maintenance Policy. The Contractor shall include all operational, maintenance and support functions for the system in the Maintenance Analysis Summary (Paragraph C.6.4.3.1.1).

C.6.4.3.1 Maintenance Analysis: The supportability analysis shall be documented in the Contractors format as an LMI summary entitled Maintenance Analysis, and shall identify the maintenance function, level of maintenance, manpower, spare and repair parts and all support equipment required for each replaceable and repairable item. The Maintenance Analysis shall include a maintenance task file documented in the Contractors format, and shall serve as source data for development of the Maintenance Allocation Chart (MAC), Provisioning Technical Documentation (PTD), TMs and Army Manpower and Requirements Criteria (MARC). The Maintenance Analysis shall be documented in end item hardware breakdown sequence (top-down breakdown), using LSA Control Numbers (LCNs).

C.6.4.3.1.1 The Maintenance Analysis Summary shall be prepared and delivered in accordance with CDRL All1 (Maintenance Analysis).

C.6.4.3.1.2 The Level of Repair Analysis (LORA) shall be prepared and delivered in accordance with CDRL A032. The Contractor shall update the Maintenance Analysis for the life of the contract and provide it for Government review if requested.

C.6.4.3.2 National Maintenance Work Requirement (NMWR) Candidates: The NMWR candidate list shall be product of the LMI Data identified in the WD. All components coded for repair at the sustainment level of maintenance with a unit price in excess of \$1000 shall be a NMWR candidate. The Contractor shall annotate these components on the LMI Data identified in the WD and provide them as a separate list at each LMI review. The Government will review and approve the final list of NMWR candidates at the final LMI review.

C.6.4.3.3 NMWR Level of Repair Analysis: The Contractor shall perform supportability analysis called a NMWR Level of Repair Analysis for each component on the Government approved NMWR candidate list. The LMI summary shall be in the Contractors format, and shall be delivered in accordance with CDRL All2 (NMWR LORA). The Contractor shall also indicate for each MMWR candidate whether the item is currently available as a remanufactured, rebuilt or otherwise refurbished component. The NMWR Level of Repair Analysis shall be delivered in accordance with CDRL A032 (NMWR LORA).

C.6.5 Support Equipment LMI: The LMI for major items of support equipment such as the test sets (Simplified Test Equipment Family of Vehicles (MRAP), and DSESTS shall be conducted separately from the MRAP Vehicle LMI.

C.6.5.1 Special Equipment, Tools, and Test Equipment (STTE): The Contractor shall deliver a list of Special Equipment, Tools, and Test Equipment utilized to maintain the MRAP. The source data for this list shall be the LMI data identified in the WD. The list shall be in tabular form and shall identify all special tools and Test, Measurement, and Diagnostic Equipment (TMDE) contained in, and not contained in the authorized U.S. Army Supply Catalogs. Maximum use of common tools, support equipment, and TMDE normally organic to the user is required. If a required item is not contained in the SCs then the Contractor shall provide the proposed alternative item to the Government. The Government will decide whether or not the Contractor proposed alternative item will serve as a suitable and effective replacement for the item in question. The list shall provide Nomenclature, Cage Code (CAGEC), National Stock Number (NSN), if assigned, P/N, level of maintenance, and price of each item on the list submitted IAW CDRL A035.

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C.6.5.2 Test, Measurement, and Diagnostic Equipment (TMDE): New TMDE items (those not identified in U.S. Army Supply Catalogs) 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 data for all new TMDE.

C.6.6 Maintenance Allocation Chart (MAC)

C.6.6.1 The Contractor shall maintain a MAC and develop changes as required resulting from the LMI. The MAC shall be a product of the LMI data. Changes to the MACs shall be provided to the Government for concurrence IAW Paragraph C.6.4.3.1.1. Changes shall be incorporated as directed by the Government.

C.6.6.2 The Contractor shall not degrade the current MRAP maintenance plans documented by the MAC to include all changes thereafter, which shall be provided as GFI. Additional maintenance planning necessitated from design changes, to include updates and modifications shall be based on the maintenance structure.

C.6.6.3 The Contractor shall update the current MRAP MAC, as required, to include all maintenance levels. The MAC shall be updated IAW CDRL A111 and MIL-STD-40051.

C.6.6.4 The Contractor shall update MRAP FOV Preventive Maintenance Checks and Services (PMCS) for operator, crew and unit maintenance and shall use MIL-STD-40051 as a guide. As changes to design are made, the Contractor shall analyze the reliability characteristics of the design to determine impact on scheduled maintenance and determine if scheduled maintenance shall be effective in maintaining system reliability. The applicability shall depend on the failure characteristics of an item and the consequences for each failure.

C.6.7 LMI Reviews: The Contractor shall facilitate a joint Government-Contractor maintenance review at the Contractors (or logistics Sub-Contractors) facility to review the maintenance planning and analysis results. Maintenance reviews shall be held as required. The Contractor shall provide participation by Logistics Managers to serve on the maintenance review team. The Contractor shall prepare conference minutes in a government-contractor agreed format for each review.

C.6.8 LMI Program Planning: The contractor shall prepare an update to the existing ISP. The ISP shall be updated to reflect changes emanating from program changes, reviews, reorganizations, and other actions affecting program logistics at the direction of the Government IAW CDRL A029.

C.6.9 LMI Plan:

C.6.9.1 Reserved

C.6.9.2 The Contractor shall consider the impact of any subcontractor or vendor changes or updates on MRAP components as part of the effort.

C.6.9.3 The Contractor shall estimate and advise the Government of the necessary quantities of dedicated hardware end items (i.e., GFP vehicles), components, repair parts, consumable supplies, tools and support equipment) to accomplish all ILS development, reviews, validations and verifications.

C.6.10 Reserved

C.6.11 Performance Based Logistics Support Services

C.6.11.1 The contractor shall provide support for Performance Based Logistics (PBL). These efforts may include support of a performance based logistics IPTs, execution of performance based agreements, the development of PBL metrics and any additional management tools needed to support these activities.

C.6.12 Reserved

C.6.13 Depot Logistics Engineering Support Services

C.6.13.1 Depot Support Data: Essential data required for depot support activities shall be submitted IAW the WD. Examples are: (1) production salvage/rework procedures covered by waivers and deviations; (2) Specifications/details of Government-Owned Contractor Procured Production Equipment, and (3) Test/Inspection Data and Reports of Government funded tests.

C.6.13.2 Reclamation Procedures: As authorized by WD, the contractor shall assist in the identification of high dollar items in which development of reclamation procedures is considered necessary/feasible. Contractor shall provide detailed specific criteria as required in development of these procedures. Testing/verification of these procedures shall be performed as necessary to ensure the validity/minimum specification requirements. Hardware for testing/verification may be provided to the Contractor as GFP.

C.6.13.3 Wear Limit Development: The contractor shall develop limits as required on those items in which like new specification

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requirements are identified as being stringent and relaxation of those limits shall not be restricted to the development/generation of wear specifications. Testing/validation shall be conducted on all items in which form, fit, and function is critical/controlled. Under this section of the work scope, the Contractor when tasked by WD shall determine data availability, determine format/content as necessary for the purpose required and analyze, reformat and deliver the data in support of the depot logistics engineering program.

C.6.13.4 Reliability Centered Maintenance (RCM): The contractor shall provide technical assistance in the application of RCM concepts to the MRAP Depot Support Program. As part of the depot RCM Program, the Contractor shall assist in the following tasks:

C.6.13.4.1 Evaluation of component data

C.6.13.4.2 Evaluation of EIRs and DA 2028s

C.6.13.4.3 Use of Army Oil Analysis Program (AOAP) data

C.6.13.4.4 Development of Combat Vehicle Overhaul Criteria (CVOC) for the MRAP and major MRAP components

C.6.13.4.5 Conducting Level of Repair Analysis (LORA)/Economic Evaluation CDRL A032

C.6.13.4.6 Development of depot work around and alternative methods for interim and/or minor repair/maintenance program

C.6.13.5 All requests for Depot Logistics Engineering Support Services affecting the MRAP FOV Vehicle or Mission and Support Equipment and reporting activities as specified in this SOW shall follow the format, data elements and frequency of delivery identified in the WD.

C.6.14 Logistics Supply and Management Support

C.6.14.1 Reserved

C.6.14.2 Logistics Management Support

C.6.14.2.1 The Contractor shall develop and maintain a Materials Requirements List (MRL). The Book shall be delivered to the Government as directed by a WD for each fielding that shall identify each Gaining Units requirements for the following categories of material:

C.6.14.2.1.1 Repairable Items List CDRL A030

C.6.14.2.1.2 Primary System and associated Basic Issue Items (BII) CDRL A033

C.6.14.2.1.3 Associated Support Items of Equipment (ASIOE)

C.6.14.2.1.4 Components of the End Item (COEI)

C.6.14.2.1.5 Battle Damage Repair List CDRL A034.

C.6.14.2.1.6 Special Tools and Test Equipment (STTE) CDRL A035

C.6.14.2.1.7 Common Bulk Items List CDRL A036

C.6.14.2.1.8 Prescribed Load List (PLL) CDRL A037

C.6.14.2.1.9 Authorized Stock age List (ASL) CDRL A038

C.6.14.2.1.10 De-processing List CDRL A039

C.6.14.2.1.11 Technical Manuals and Publications (starter set)

C.6.14.2.1.12 Special Mission Kits and Outfits

C.6.14.2.1.13 Test Measurement and Diagnostic Equipment (TMDE)

C.6.14.2.1.14 Material Handling Equipment

C.6.14.2.2 The Contractor shall prepare a draft MRL Book using the Mission Support Plan (MSP) provided by the COR, and/or Designated Representative. This MRL Book shall be coordinated with the unit prior to de-processing and handoff of the vehicles.

C.6.14.2.3 Using information resulting from the MRL Book coordination meeting, the Contractor shall update the draft MRL Book and provide PM MRAP with a final draft MRL book IAW established schedules.

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C.6.14.2.4 The Contractor shall update the final draft MRL Book after approval by the COR, and/or Designated Representative. The COR, and/or Designated Representative shall provide funding source and direct Contractor Total Package Fielding requisitions (DI-MGMT-80503).

C.6.15 De-processing and Fielding: The Contractor shall operate a de-processing/hand-off at each post, installation, or central staging site designated to support a PM fielding.

C.6.16 Reserved

C.6.17 Reserved

C.6.18 Reserved

C.6.19 Reserved

C.6.20 Reserved

C.6.20.1 During the performance of this Contract, the Contractors staff shall be required to work with other Government Contractors and their subcontractors. These Contractors and their subcontractors have been hired to provide the JPO with a centric operational view of all theater logistics efforts associated with the MRAP program. This includes oversight and management of the individual efforts of the multiple Contractors during all activities associated with fielding, training, and sustainment operation.

C.6.20.2 The Contractor may be required to coordinate or work with the Governments Joint Logistics Integrator (JLI) Contractor. As such they may be placed at various locations, including Contractor locations to coordinate activities across the various end users (Air Force, Army, Marine Corps, Navy and SOCOM) or across Contractors.

C.7 Provisioning

C.7.1 Provisioning Guidance Conference

The Contractor shall host the Provisioning Guidance Conference (PGC) within 45 days after delivery order issue and furnish provisioning data as one product of the PGC at a mutually agreed upon interval prior to the provisioning conference(s). The Government will clarify any provisioning issues during the evolution of the data review process. The Contractor shall report all Conference Agenda and Conference Minutes using DI-ADMIN-81249A as a guide for the reporting requirements.

C.7.2 Provisioning Conference

The Contractor shall host a Provisioning Conference(s) following the Provisioning Guidance Conference at the location specified by the Government. The focus of the conference is to drill down the top level assembly to determine which level of maintenance for the Line Replaceable Unit (LRU) or maintenance tasks can be completed where and by whom. To that end the Contractor shall provide and disassemble production equipment as directed by the Government to validate and verify all provisioning documentation. The Contractor shall report all Conference Agenda and Conference Minutes using DI-ADMIN-81249A as a guide for the reporting requirements.

C.7.3 Provisioning Plan

The Contractor shall establish, manage, and execute a Provisioning Plan provided and approved by the Government. AMC-P 700-25, MIL-STD 1388-2B, GEIA-STD-0007 and MILHDBK-502 may be used for additional guidance. The LMI shall be the basis for the integration of the logistics support element, and provide the interface between the engineering and integrated logistics effort used in the systems engineering effort. The objectives of the LMI are to provide optimum material readiness, economical logistics support, and identify/evaluate resources required to develop and manage an effective support system. All design, modification/alteration, and engineering activity shall require LMI (DI-ALSS-81529) IAW CDRL A031.

C.7.4 Provisioning and Other Procurement Screening Data

The contractor shall identify provisioning and other procurement screening data to be submitted for Government screening. Provisioning and other procurement screening data are used to identify existing NSNs for an item, validate currency of an NSN, and aid in maximum use of known assets. The Contractor shall ensure that documentation includes drawing support for each "P" coded item (items requiring an NSN), unless accompanied by a copy of the procurement screening documentation (i.e., Army Master Data File (AMDF), Parts Master List, or Defense Logistics Information System (DLIS) which indicates that the item has a valid NSN already assigned. This requirement shall be met using GEIA-STD-0007 and MIL-STD-1388-2B (DI-ALSS-81529).

C.7.5 Provisioning Technical Documentation

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The Contractor shall provide, update and maintain Provisioning Technical Documentation: Provisioning Parts List (PPL), Long Lead Time Items List (LLTIL), Tools and Test Equipment List (TTEL), Common and Bulk Items List (CBIL), Repairable Items List (RIL), and any Design Change Notices (DCN) IAW CDRL A041.

C.7.6 Reserved

C.7.7 Tools and Test Equipment (TTEL)

The Contractor shall provide and update the TTEL, in Contractor format IAW CDRL A035. This list, in MS Excel format, shall identify all tools and test equipment required for maintenance and calibration associated with the vehicle. The list shall additionally identify those required tools included in the Army Standard Automotive Tool Sets and corresponding Marine Corps tools sets.

C.7.8 Common and Bulk Items List (CBIL)

The Common and Bulk Items List (CBIL) contains those items that are difficult or impractical to list on a top down/disassembly sequence PPL, but for which provisioning is essential to support the operation of the end item/equipment. These items are subject to wear or failure, or otherwise required for maintenance, including planned maintenance of the end item/equipment. The Contractor shall indicate the material type, grade, class, etc. The Contractor shall submit sufficient information to enable the Government to relate the material/specification number to the pertinent item IAW CDRL A036.

C.7.9 Provisioning Parts List (PPL)

Provisioning Parts List shall be delivered IAW CDRL A041. The Contractor shall provision all items in the MRAP Vehicles. The PPL shall contain the end item, component or assembly and all support items which can be disassembled, reassembled, or replaced and which, when combined, constitute the end item, component or assembly and shall include items such as parts, materials, connecting cabling, piping, and fittings required for the operation and maintenance of the end item, component, or assembly. The PPL includes all repairable Commercial Off-The-Shelf (COTS) items unless excluded by the provisioning requirements. The PPL shall include items such as parts, material and connecting cabling required for the operations and maintenance of the end item/equipment. Separate PCCNs shall be provided for systems/items listed below. The PPL shall be structured in a Top-Down Breakdown Disassembly sequence. Indenture Codes are in Alpha Character format. The Provisioning Line Item Sequence Number(s) PLISN range of a PPL will be designated by the Government. The Contractor shall submit a separate PPL for each Category of the MRAP vehicle they are providing the Government.

C.7.10 Repairable Items List (RIL)

The Contractor shall provide and update the RIL, in Contractor format IAW CDRL A030. This list shall be in MS Excel format and shall identify items to the component level with procurement lead times of more than 90 days.

C.7.11 Engineering Data for Provisioning (EDFP)

Engineering Data for Provisioning (EDFP) is technical data used to describe parts/equipment and consists of data such as specifications, standards, drawings, photographs, sketches and descriptions, and necessary assembly and general arrangement drawings, schematic drawings, schematic diagrams, wiring and cable diagrams necessary to indicate the physical characteristics, location, and/or function of the item. The Contractor shall provide drawings as required using guidance from DI-ILSS- 81289 IAW CDRL A040. Assembly drawings shall be delivered in accordance with DI-LSS-81289 for Government review to show full traceability of parts and quantities within that system/subsystem. The Contractor shall submit data on all parts to be provisioned that do not currently have a valid (Non-terminal coded) fully described NSN. EDFP consists of data needed to indicate the physical characteristics, location and function of the item (Form, Fit and Function). All approved vendors Commercial And Government Entity (CAGE) codes are to be cited by the Contractor (typed, stamped, or in legible writing and authorized signature and date) on drawings when furnished concurrently with each submitted increment of provisioning documentation for each P coded item.

C.8 Support for Government Property Equipment (GFP)

All Government Furnished Property shall be documented, reported, and tracked IAW FAR 52.245-1.

C.8.1 Vehicle Systems

C.8.1.1. Maintenance and Sustainment of PM Managed Assets

The Contractor shall provide on-site maintenance support and technical services as required by the Work Directive (WD) to restore to operable condition Government PM-owned assets prior to, during and/or subsequent to transportation to new destination. The Work Directive (WD) shall define the condition that vehicles are to be repaired to, and maintained at, IAW the -10/20 manuals.

C.8.1.2 Maintenance and sustainment of GFP

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The Contractor shall maintain GFP MRAP vehicles in their possession; perform necessary repairs and maintenance to keep items in a serviceable condition suitable for intended efforts under this contract; and return vehicles to the designated supply condition code provided in the WD and as defined in DAPAM710-2 and DAPAM 710-2-1 using the vehicle -10/20 manuals. Items of equipment provided with the vehicle but not repairable using the MRAP Technical Manuals shall be identified to the government for disposition instructions. The Work Directive (WD) will define the condition GFP vehicles provided to the contractor will be maintained/repaired.

C.8.2 Reserved

C.8.3 Common Parts and Tool Support at Contractors Facilities

C.8.3.1 All required parts and tools shall be requisitioned from the Government supply system. If the item is not available in the Government supply system, to meet the work directive requirements the Contractor shall provide notification of no availability to the COR and PM MRAP Logistics IPT. PM MRAP Logistics IPT will determine the source of supply of the part(s) and/or tools. The COR will advise the contractor if it is determined that the contractor is determined to be the best source of the part. Contractor shall then procure the item using ODC funding.

Contractor shall obtain a Department of Defense Activity Address Code (DoDAAC) to receive parts and tools for the Government supply system.

C.8.4 Common Parts and Tool Support at Government Facilities

C.8.4.1 Common items will be requisitioned by Government facility personnel. If the item requirement cannot be met in this manner to meet the work directive requirements, and MRAP Logistics IPT determines the contractor as the best source of the part, the contractor will be advised by the COR and shall purchase the item(s) using ODC funding.

C.9. Packaging, Handling, Storage and Transportation (PHS&T)

C.9.1 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, Line Replaceable Units, NMWR/DMWR candidate items, and any large, high cost item classified as a Special Group Item. Packaging shall be developed in IAW MIL-STD-2073-1D and all items shall be classified as a selective group item or special group item. Contractor shall provide facilities, equipment, materials, and access to the 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.

C.9.1.1 Selective group: Items classified as Selective group shall not have a unit pack weight exceeding 40 pounds and shall not have a dimension greater than 40 inches. In addition, the unit pack length and girth combined shall not exceed 84 inches. A Select group item must not require disassembly for packaging. Reconfiguration for packaging of Select items is limited to folding or coiling. Items shall not be classified as Select if they are repairable, recoverable, contain hazardous material, or if assigned a shelf life.

C.9.1.2 Special group: Special group items often require sketches, figures, or narrative instructions to describe packaging requirements. Items excluded from the Selective group shall 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.

C.9.1.3 Logistic Management Information (LMI) Data Products - Packaging: The contractor shall make LMI packaging data 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 A057 including attachments.

C.9.1.4 Special Packaging Instructions (SPI): The Contractor shall 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 IAW MIL-STD-2073-1D and CDRL A045.

C.9.1.4.1 Validation Testing of Packaging: Validation testing of Special group items shall be IAW ASTM D 4169 (Standard Practice for Performance Testing of Shipping Containers and Systems) Distribution Cycle 18, Assurance Level I, with Acceptance Criterion 3 (product is damage free and packaging is intact). Validation testing may be limited to Test Schedule A and Test Schedule F. Replicate testing and climatic conditioning are not required. Each SPI submitted shall have a validation report including photographs. Photographs shall show the product is undamaged. Validation report shall be submitted concurrently with SPI submittal and IAW CDRL A044.

C.9.1.5 Equipment Preservation Data Sheets (EPDS): Contractor shall develop Equipment Preservation Data Sheets (EPDS) for each vehicle

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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) shall be packaged and shipped separately IAW 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 IAW MIL-STD-3003 and CDRL A058.

C.9.1.5.1 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 shall be given to the complexity and/or uniqueness of the process and/or materials involved. Government representative may attend and witness Contractors validation. Validation report shall be IAW CDRL A044.

C.9.1.6 Reusable Containers

C.9.1.6.1 Container Design Retrieval System (CDRS): This is a management system program to provide a DoD centralized automated data base system for storing, retrieving, and analyzing existing container designs and test information concerning specialized containers. The contractor shall use this system when making search requests for DoD Long Life Reusable Container LLRC) designs.

C.9.1.6.2 Reusable Container Searches: The contractor shall identify engines, transmissions and other major repairable items, including LRUs, and items requiring special handling or condemnation procedures as possible LLRC candidates. The contractor shall make a CDRS search request for any item that TACOM approves as a LLRC candidate. The contractor shall search for new or existing commercially available reusable container designs that are suitable for LLRC candidates. Format of CDRS search request shall be IAW CDRL A059.

C.9.1.6.3 Reusable Container Assessment: The contractor shall perform assessments to determine if existing container designs are suitable. The contractor shall assess the fit and function of existing containers and compare costs of modifications with the cost of new designs. Assessment data shall include analysis of the need for a new or modified LLRC. Assessment data shall compare costs for conventional packaging and LLRC packaging.

C.9.1.6.4 Reusable Container Proposal: The contractor shall propose reusable container development for TACOM approved LLRC candidates. Each proposal shall include assessment data, cost of development, design, LLRC prototype manufacture, validation, and completion of the TDP for competitive procurement. Container proposals, testing/validation, and TDP development shall be IAW CDRL A060.

C.9.1.6.5 Development and Validation: Upon approval of a LLRC design proposal or container modification proposal, the contractor shall build a prototype and validate the design. A Government representative will witness validation. Validation report and technical data shall be IAW the approved design proposal and CDRL A044.

C.10 Technical Manuals and Publications

C.10.1 Military Standard Publications (Technical Manuals (TM), Depot Maintenance Work Requirement (DMWR), National Maintenance Work Requirements (NMWR), Modification Work Orders (MWO) as ETMs and/or IETMs), Commercial Off-The-Shelf (COTS) Manuals and New Development, Revisions, and changes.

C.10.1.1 The Contractor shall develop new and update existing COTS Manuals and Military Standard Technical Manuals to incorporate all changes, corrections, modifications and variant specific data. Revisions shall be delivered IAW CDRL A046 and Attachment 0013-Publications in this SOW.

C.10.1.2 The Contractor shall develop Interactive Electronic Technical Manuals (IETM). The IETM shall be developed IAW AR 25-30, Attachment 0013-Publications of this SOW, CDRL A113 (IETM), and the approved TABLE A-XVII Functionality Matrix, MIL-STD-40051-1.

C.10.2 Manual Development

C.10.2.1 Contractor shall develop all publications IAW Provisioning plans and LMI data in this contract. Contractor shall be responsible for incorporating all Government approved DA 2028s, Maintenance Advisory Messages (MAM), Maintenance Information Messages (MIM), Safety of Use Messages (SOUM), approved ECPs and Modification Work Orders (MWO) to all equipment technical manuals (ETMs and IETMs). A publication history file shall be maintained by the Contractor for the period of this contract. This file shall contain a record of all changes to each publication as a result of Government-approved DA Form 2028s, ECPs, MAMs, MIMs, SOUMs and MWOs. New Development, Changes and Revisions shall be IAW MIL-STD-40051-1/2, AR 25-30 and Attachment 0013-Publications.

C.10.2.1.1 Modification Work Order (MWO): The Contractor IAW MIL-PRF-63002K, AR 750-10, and CDRL A046 shall support the management, development and application of MWOs to include all reporting requirements.

C.10.2.2 The Contractor shall be responsible for the quality of the equipment publications deliverables. All delivered TM information shall be complete, technically accurate, and adequate for use by US Service members. Contractor shall develop and use a quality

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assurance operation in accordance with ISO 9000:2008. This operation shall include a quality assurance plan, periodic QA reviews by persons different than those preparing the TMs, maintenance of QA records, TM development process improvement, and data controls to ensure that current, accurate engineering and parts information is available to TM preparers. Government representatives have the right to review and comment on the Contractors QA plan, records, and processes.

C.10.3 The Contractor shall perform 100% publications validation for ETMs and IETMs. The Contractor shall support Government publications verification for ETMs and IETMs as specified Attachment 0013-Publications.

C.10.3.1 The contractor shall support all Publication In Progress Reviews (IPR) and Publication Start of Work Meetings (SOW).

C.10.3.2 All Technical Publication Deliverables shall be IAW CDRL A046, CDRL A113 (IETM), Attachment 0013-Publications.

C.10.3.3 Military Standard Technical Manual data shall be prepared and delivered digitally in accordance Attachment 0013-Publications, and MIL-STD-40051-1/2 in Extensible Markup Language (XML), tagged using the Document Type Definitions (DTDs) and XML Style sheet Language (XSL), or style sheets in accordance with MIL-STD-2361 and as approved by the Government.

C.10.4 Publication Copyrights

C.10.4.1 All publications developed under this contract become the property of the Government and are not subject to copyright by the Contractor. When the Contractor uses commercial data which covers a subcontractor's components or portions thereof, and the Contractors data contains copyright material, the Contractor shall be responsible for obtaining a copyright release from the Contractor and furnishing such release to the Government. The Contractor shall provide a copyright release letter. The letter shall be on company letterhead, dated and signed by a company officer. The letter shall certify that the Government has full copyrights from Contractor and subcontractors. Copyright letters shall state all TMs developed are free from copyright restrictions and the Government can edit, reprint and distribute information in the manual as required.

C.11 Quality Engineering and Quality Assurance Support Services

C.11.1 The Contractor shall utilize and adhere to a Quality Management System acceptable to the Government (i.e., QS9000, ISO 9001, or any other industry-recognized and accepted quality model) or equivalent. The Contractor shall provide to the Government in Contractor format a Quality Plan IAW CDRL A120.

The Contractor's quality system shall address management, design, fabrication, testing, processing, shipping, storage, site installation, Failure Reporting Analysis and Corrective Action System (FRACAS), validation, control and the inspection results of engineering drawings and Quality Assurance Technical Documentation (QATD).

This system shall provide the means to ensure that all drawings and documentation submitted within the TDP Package (TDP) on major and secondary items are coordinated with all applicable department elements within their organization and are adequate for the manufacture and acceptance of quality material and for competitive procurement.

This system shall also provide a means for incorporating data received from engineering efforts, Test Incident Reports (TIRs), Quality Deficiency Reports (QDRs) and Field Reported Deficiencies which may affect the adequacy and accuracy of the QATD being developed and maintained under the contract, are coordinated and included in all engineering drawing packages and QATD packages.

The Government reserves the right to perform quality audits and surveillance inspections to assure Contractor compliance with contract requirements.

C.11.2 Reserved

C.11.3 The Contractor shall develop and maintain the QATD at their facility until completion of contract, copies shall be available for Government review upon request.

C.11.4 Quality Engineering

C.11.4.1 Reserved

C.11.4.2 The Contractor is wholly responsible for the performance of all subcontractors under their control the same or, in the opinion of the Government, equal to the quality system in C.11.1. All subcontractors utilized for parts procurement or services shall be periodically evaluated and verified to assure the material/services comply with design and quality requirements not less than semi-annually and the records of such actions shall be made available to the Government upon request.

C.11.4.3 The contractor shall assist the Government in the development of a single standardized and planned FOV inspection criteria that is a coordinated approach for each type of vehicle inspection performed at the production facility, Contractor or Government provided retro fit location, de-processing, shipping and receiving transition points.

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C.11.4.4 Reserved

C.11.4.5 The Contractor shall ensure that all sketches, contract part drawings 3D CAD models and ordnance type drawings are provided IAW prescribed specifications and standards and contain sufficient dimensional, construction or weld, functional, protective finish and material deterioration prevention requirements with which to determine the acceptability of hardware manufactured against such drawings.

C.11.4.6 The contractor shall conduct a technical review of each product engineering change action taken as a result of any Test Incident Report (TIR) or incident report made necessary as a result of Contractor and Government testing and incorporate all such necessary changes into the existing QATD.

C.11.4.7 Reserved

C.11.4.8 The contractor shall prepare, maintain, and deliver Quality Assurance Inspection Equipment (QAIE) design, instructions, and software. Contractor shall provide upon request all calculations, layouts, sketches, schematics, charts, design drawings, CAD models, and other visual depictions and the master list of inspection equipment drawings and shall maintain CM control of this information so the Government can insure that the latest and most up to date inspection devices are being used IAW ECP. Any special requirements will be included with the WD.

C.11.4.9 The contractor shall prepare and provide to the Government all draft and final instruction pamphlets and manuals required for the operation, maintenance, and calibration of the inspection equipment designed and for CM control IAW CDRL A046.

C.11.4.10 Reserved

C.11.4.11 The contractor shall support and development of Final Inspection Records (FIRs). FIRs shall set forth the minimum inspection characteristics deemed necessary to assure conformance to end item specifications and drawings. The FIRs shall be updated and developed using, DI-QCIC-81068 as guidance to reflect all approved configuration changes IAW CDRL A048.

C.11.4.12 The contractor shall prepare and provide all industrial and field modifications the Item Modification Inspection Requirements to include the in-process and final acceptance inspection requirements necessary for installing industrial and field modifications IAW CDRL A048.

C.11.4.13 Reserved

C.11.4.14 During the preparation of the National Maintenance Work Requirements (NMWRs) and Depot Maintenance Work Requirements (DMWRs) and reconditioning standards (See Paragraph C.10) the contractor shall prepare the Quality Assurance checks, MIL-STD-40051.2 may be used as a guide. These shall incorporate all inspection and tests, to be performed at the place of reconditioning during the reconditioning of item(s) that are necessary to ensure that the reconditioned item meet the quality requirements of the applicable specifications.

C.11.4.15 Reserved

C.11.4.16 The Contractor shall perform tests and inspections as described in their QAP to validate changes to validate changes and modifications. Such test shall be those necessary to evaluate the QARs for the MRAP FOV Systems. Results of all tests and inspections shall be provided to the Government for review.

C.11.4.17 The contractor shall conduct a technical review of each product engineering change action taken as a result of any Test Incident Report (TIR) made necessary by Contractor and Government testing, Product Quality Deficiency Report (IAW CDRL A047)/Quality Deficiency Report (PQDR/QDR), System Safety Risk Assessment (SSRA), SAR and incorporate all such necessary changes into the then existing Quality Assurance Technical Documentation (QATD).

C.11.4.18 When QAPs or similar separate documents are already available, the contractor shall make recommendation to the Government whether the SQAP or QAR should be updated to a QAP or deleted as no longer valid or required shall be made during ECP actions. QAPS shall be updated (only) as necessary for all applicable items, components or assemblies affected. Updating of QAPs shall be based on the recommendations of the Quality Engineering review all considerations necessary to achieve a cost-effective, quality product: limit the use of specialized test and inspection equipment to only when necessary, define test setups and test equipment only when necessary, limit use of Inspection Method Control Sheets (IMCS) to only when necessary. Deleted documents shall be maintained in a backup file for reference data.

C.11.4.19 Reserved

C.11.4.20 Reserved

C.11.4.21 Reserved

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C.11.5 The contractor shall perform QE support to MRAP production for the resolution of manufacturing/vendor problems, interpretation of QATD, perform analysis of inspection requirements to improve vehicle quality and prepare the necessary engineering changes to correct/improve the TDP Quality Documentation.

C.11.6 Software Quality Assurance

C.11.6.1 The contractor shall maintain a Software Quality Assurance Program (SQAP) to meet, as a minimum, the requirements of IEEE/EIA 12207 for software developed under this Contract. The Contractors Organizational Divisional Procedures (ODP) or equivalent requiring tailoring to meet the needs of a particular software development effort shall be submitted to the Government prior to the start of that specific software development effort.

C.11.6.2 The Contractor shall have a design for reliability process of selecting a part or material and applying it in such a manner that results in high reliability under the worst case actual use conditions. Such an effort requires a structured approach during the part selection and design process. This process shall include:

C.11.6.2.1 Definition of operating environments

C.11.6.2.2 Establishment of lifetime requirements

C.11.6.2.3 Use of reliability models to estimate lifetime under use conditions

C.11.6.2.4 Estimates of reliability during the useful life

C.11.6.2.5 Stress derating

C.11.6.2.6 Analysis and design modifications shall be performed as requested by the Government to ensure robustness. These analysis and design modifications may include derating, failure mode and effects analysis (FMEA) (with or without criticality analysis), fault tree analysis (FTA,) and finite element analysis (FEA).

C.11.7 Quality Problem Investigation

C.11.7.1 The contractor shall conduct investigations of quality problems originating from field activities, repair depots, and supplies of Mission and Support Equipment. This effort shall include the review of problem reports, evaluation of quality deficiencies, clarification of inspection requirements and similar functions. The Contractor shall develop appropriate documentation, solutions and ECPs/RFW/RFD.

C.11.8 Quality Records

C.11.8.1 The contractor shall prepare and maintain complete and up-to-date records of all Quality Engineering work performed or accomplished for the contract items(s) on this contract. These records shall be of such extent and detail as to allow the Government to determine the status and progress of all work being planned or accomplished. The Government shall have access to the Contractors working records as required for Government purposes.

C.12 Training and Training Support Services

C.12.0 Training and Training Support Services shall be provided as defined in MIL-PRF-5480G and DI-MGMT-80911.

C.12.1 The Contractor shall update/develop NET packages (IAW A052) and shall provide submissions to the NET Manager, JPO MRAP, per a schedule mutually agreed upon at the Work Directive Start of Work (SOW) meeting.

There shall be two delta training courses the New Equipment Training (OPNET) and the Field Level Maintenance New Equipment Training (FLMNET) Course Delivered IAW CDRL A052. The Contractor shall deliver all documents and training materials in an editable commercial electronic format: Microsoft Word for documents and Microsoft PowerPoint for slide show presentations. Training materials shall not conflict with the content of the technical manuals.

Training materials shall be developed at the ninth grade reading and comprehension level. Format and content shall be per TRADOC Regulation 350-70 and the systems approach to training (SAT). Training developers and quality assurance inspectors not familiar with SAT shall attend the U.S. Armys Systems Approach to Training Basic Course (SATBC) or an equivalent course prior to developing and reviewing the training packages.

The training courses shall consist of classroom discussions, demonstrations, practical application, and evaluation. Attaining the learning objectives takes priority over attaining a predetermined quantity of training hours. Attaining the learning objectives takes priority over attaining a predetermined ratio of hours between classroom discussion and practical application.

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C.13 Contractor Field Service Representatives (CFSRs) Support and Services

C.13.0 CFSRs Support and Services

C.13.1 The contractor shall establish a CFSR Program. The Contractor shall provide all administrative support and site supervision for the MRAP CFSR Program. The Contractor shall provide all the necessary personnel, equipment, tools, materials, supervision and other items and services necessary to maintain and support all MRAP FOV and derivative vehicle operations. The Contractor shall provide Level III Field Service Representatives (FSR) to provide technical repair and assistance as required and shall advise, make recommendations, to orient and instruct key Government personnel with respect to operations, maintenance, repair and parts supply for the vehicles furnished under this contract, CONUS and OCONUS. The FSRs shall be located at field sites as authorized to meet the requirements of the contract in a manner that is both economical and beneficial to the Government. The FSRs shall be thoroughly experienced and qualified to advise and instruct Government personnel in the operation, maintenance, repair and parts supply of the equipment furnished under this contract. The Contractor shall make available any and all information necessary to obtain a security clearance to the degree required by the installation or area in which services are to be performed. Government approval shall be limited to granting or denying security clearance for the person(s) named.

C.13.1.1 The Contractor shall provide FSRs as a liaison between Contractor/subcontractor, MRAP Operations, other Military Service organizations, U.S. Marine Corps, and FMS Customers.

C.13.1.2 The FSRs shall investigate and recommend the need for training. The FSRs shall recommend the need for Failure Analysis (FA) of specific items under other contract work scope.

C.13.1.3 The CFS support shall consist of on-site back-up engineering support and advice in the investigation and resolution of Armed Service support problems.

C.13.1.4 The FSRs work schedule shall coincide with that of associated Government personnel.

C.13.1.5 The Contractor shall also provide field support for de-processing, Stay Behind Maintenance and RESET programs.

C.13.1.6 Contractor shall prepare a Logistics Support Maintenance Report IAW A056.

C.13.2 Interim Contractor Logistics Support (ICLS) Forward Repair Activity (FRA). The ICLS FRA supported units shall be configured to deploy using unit provided vehicles, shelters, transportation, and power-generating equipment for all Contractor operated equipment. The Contractor shall obtain a military equipment license for the equipment listed above, if necessary. All Contractor test equipment shall be capable of being operated in a forward deployed field location under combat conditions with DI-FNCL-80342 to be used as guidance.

C.13.3 Fielding Reports

C.13.3.1 The Contractor shall report problems, in writing; attendant to its responsibilities to the PM MRAP Team Site Supervisor, as necessary. The Contractor shall provide specific reports, as required, to include Field Problem Reports (FPRs) and Fire/Injury/Accident Reports to document MRAP FOV problems.

C.13.4 The Contractor shall submit a bi-weekly (twice a month) report on all CFS status in Government Defined Format, Frequency and Fidelity, IAW CDRL A056.

C.13.5 Additional Contract Field Services

C.13.5.1 The Contractor shall provide CFSRs to CONUS and OCONUS locations to support the fielding and sustainment of the MRAP FOV to Army, Reserve Components, U.S. Marine Corp and FMS Customers.

C.13.5.2 The CFSR work schedule shall coincide with that of associated Government fielding personnel.

C.13.5.3 The Contractor shall provide liaison logistic assistance for the MRAP FOV and its derivatives to OCONUS and CONUS using unit personnel.

C.13.5.4 The FSRs shall perform vehicle retrofit upgrades and kit installation at various locations.

C.14 Deployment

C.14.1 Contractor personnel may be required to deploy in OCONUS areas of operation for fielding, exercises, MWO applications, etc. The Contractor acknowledges that such operations are inherently dangerous and accepts the risks associated with contract performance in this environment. Each military operation shall evolve differently depending upon mission. The Contractor shall ensure that all Contractor

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personnel understand and agree to comply with all operations.

C.14.1.1 Depending on the Status of Forces Agreement (SOFA) or other international agreements, all Contractor employees may be subject to the customs, processing procedures, laws agreements and duties of the country in which they are deploying to and the procedures, laws and duties of the United States upon re-entry. Contractor shall verify and comply with all requirements.

C.14.1.2 When required, the Contractor shall document their staffs technical expert status for performance in Germany. The Contractor shall coordinate with the German Labor Office prior to deployment to or traversing Germany.

C.14.2 Immigration and Customs

C.14.2.1 The Contractor is responsible and authorized for obtaining (i) all passports, visas, and other entry/exit documents necessary for Contractor personnel to transverse through and within the Area of Operation and (ii) the customs, immigration, or similar liabilities of its Contractor personnel.

C.14.2.2 Passports/Visas: The Contractor is responsible for obtaining a current passport for their personnel and visas, when required, for its employees. Contractor employees are required to carry a valid passport and LOA at all times when deployed and traveling overseas in support of military operations. Requirements for visas shall be determined by the country of deployment/travel and obtained from the appropriate embassy prior to deployment. The Government will provide assistance to the Contractor in obtaining visas to countries if requested by the Contractor and required to meet the contingency deployment schedule.

C.14.2.3 Customs and Entrance/Exit Processing: While entering and exiting a foreign country, Contractor employees shall be subject to the customs processing procedures, laws, agreements, and duties of the countries in which the contractor is deploying. Details for a Contractor employees deployment shall be fully explained during the deployment processing.

C.14.2.4 When returning, Contractor employees shall also be subject to U.S re-entry customs requirements in effect at the time of re-entry. The PCO will determine and stipulate if the payment for entry/exit duties on personal items in possession of Contractor employees per U.S. Customs Service rates and restrictions is allowable and allocable.

C.14.2.5 Upon arrival to the host country, the Contractor personnel may be required to obtain locally required identification cards. The Government representative who has cognizance for these Contractor personnel in theater shall assist in the coordination of the issuance of these identification cards.

C.14.3 Contractor Support During Contingency Operations/Contractors Accompanying the Force

C.14.3.1 The Contractor shall provide all the necessary personnel, equipment, tools, materials, supervision, and other items and services necessary to maintain and support U.S. Army contingency operations. Each military operation will evolve differently depending upon mission and the combatant commanders guidance. The Contractor is obligated to request any specific information needed at the time of deployment from the Government.

C.14.4 Contractor Support during Contingency Operations Pre-Deployment

C.14.4.1 The Contractor shall enter before deployment, or if already in the designated operational area, enter upon becoming an employee under the contract, and maintain current data (including departure data) for all Contractor personnel that are authorized to accompany U.S. Armed Forces deployed outside the United States as specified in paragraph (b)(1) of Class Deviation SPOT tracker, DAR 2007-00004. The automated web-based system to use for this effort is the Synchronized Pre-Deployment and Operational Tracker (SPOT). For information on how to register and use SPOT, go to ://spot.altess.army.mil. The Government will provide POCs and training for personnel required to enter data into SPOT. The Contractor shall ensure that all employees in the database (SPOT) have a current DD Form 93, Record of Emergency Data Card, on file with their employer. In addition, individuals deploying to OEF shall also require an Afghanistan validation Memo to authorize entry into OEF.

C.14.5 Preparation for Overseas Movement

C.14.5.1 As part of the Preparation for Overseas Movement (POM) processing for Contractor employees, the Governments POM activities at the home station or the Deployment Center will screen Contractor personnel records, conduct theater specific briefing and training, issue theater/environmental specific clothing and individual equipment, verify that medical requirements (such as immunizations, DNA screening, HIV testing and dental examinations) for deployment have been met, and arrange for transportation to the theater of operation. While POM processing at the Deployment Center the Government will furnish lodging at the Deployment Center billeting area. Contractor personnel attending the IRDO, with orders and their Common Access Card (CAC), will be provided meals at the mess hall free of charge. When Contractor personnel are training or processing and they miss the mess hall meal, they will be issued a Meal Ready to Eat (MRE) free of charge. Proof of individual employee vaccinations under clause 952.225-0009 shall be provided to the PCO and COR via memorandum.

C.14.6 Overseas Contractor Requirements

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C.14.6.1 Contractor personnel shall be available and prepared to support worldwide deployment IAW supported units deployment/readiness Standard Operating Procedure (SOP), and IAW DA Pamphlet 715-16, Contractor Deployment Guide in Theater of Operations. Contractor personnel shall be ready to deploy within 72 hours of notification by the PCO to the contractor, using military or civilian transportation by land, sea, or air after attending the deployment center. This includes completing and maintaining current the following forms and actions as a guide IAW Deployment Guide:

- Orders (Letter of Authorization, LOA)
- Passport/Visa/ID Card
- Shot Record (PHS 731)
- Physical Examination, good for 15 months from the date completed and signed by the doctor.
- Eye Prescription (if applicable)
- Emergency Data Sheet (DD 93)
- Medical/Dental (DA 4036R)
- CIF (Clothing Record)(PPE)
- Power of Attorney for financial and custodial matters
- Last Will and Testament (must bring as copy with them)
- Set of TA-50 (as required by supported units)

C.14.7 Contractor Augmentation/Backfill: Contractor personnel shall agree to abide by the rules of engagement, policies, and procedures as established by the supported unit Commander during either combat or training deployments. When tasked, the Contractor shall augment any deployment with additional personnel and provide back fill personnel to non-deployed units as necessary.

C.14.8 Contractor Support to Deployed Personnel: The Contractor shall provide sufficient resources to support their deployed personnel in the performance of their duties. This may include providing technical assistance in determining the causes of failure and remedies of failures. The Contractor shall also provide assistance and technical support in determining and resolving issues or conditions related to or affecting safety. The Contractor shall also provide periodic detailed program status and information to the Government program office. This data shall be provided on the Government specified database repository to a fidelity, format and delivery frequency agreed by the contractor and the Government.

C.14.9 Government Assistance to Deployed Personnel: The Government will provide overview to ensure the Contractor meets deployment requirements. Specifically, but not limited to: visa; medical support; applicable accessories for each person deployed; housing and/or shelters; transportation at the deployment location; and power generating equipment will be provided as GFP. Contractors authorization to rent, lease or procure vehicles for utilization at any of the MRAP deployment locations will be established in the Work Directive.

C.14.10 Assignment of Personnel Deployed

C.14.10.1 Contractor personnel shall be administratively reported to the Logistics Support Element (LSE) for accountability, administrative support and life support. A Personnel Status Report (PERSTAT) must be submitted daily to appropriate Government personnel IAW PERSTAT Reporting SOP, 28 Oct 11, Attachment 0014.

C.14.11 Compliance of Deployed Personnel: The Contractor shall ensure that all Contractor employees including its sub-Contractors comply with all guidance, instructions and general orders applicable to U.S. Armed Forces and DoD civilians and issued by the Theater Commander or his/her representative. This includes any and all guidance and instructions issued based upon the need to ensure mission accomplishment, force protection, safety, and unit cohesion.

C.14.12 Deployed Personnel Resolution of Disputes: The Contractor shall promptly resolve, to the satisfaction of the PCO, all Contractor employee performance and conduct problems identified by the responsible PCO or his/her designated representative. The PCO may direct the Contractor to remove or replace any Contractor employee failing to adhere to instructions and General Orders issued by the Theater Commander or his/her designated representative.

C.14.13 Deployed Return Processing Procedures: Upon completion of the deployment or other authorized release, the Government will authorize Contractor employee transportation from the area of operations to the designated Deployment Center site. At the return processing center the Contractor shall ensure that all Government-issued clothing and equipment provided to the Contractor or the Contractors employees are returned to Government control upon completion of the deployment. The Contractor shall provide the PCO with documentation, annotated by the receiving Government official, of all clothing and equipment returns.

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C.14.14 Contractor Risk Assessments and Mitigation of Deployed Personnel: The Contractor shall:

C.14.14.1 Brief its employees regarding the potential danger, stress, physical hardships, and field living conditions. The Contractor shall require all its employees to acknowledge in writing that they understand the danger, stress, physical hardships, and field living conditions that are possible if the employee deploys in support of a contingency deployment involving military operations.

C.14.14.2 If an employee needs to be replaced for any reason (sickness, disciplinary, emergency leave, etc.) the Government requires that that employee shall be replaced as soon as possible.

Designate one representative from its company team as its Contractor team lead. The team lead shall be the Governments point of contact for operational and personnel matters during deployment.

Prepare plans for support of military operations in-country as required, or as directed by the PCO.

C.14.15 Deploy Personnel Pay, Tour of Duty/Hours of Work

C.14.15.1 Reserved

C.14.15.2 Tour of Duty/Hours of Work: Contractor deployment tours will be dependent on the mission requirements but may extend up to 12 months. Work hours will also be dependent on mission requirements but may be up to 7 days/week and 12 hours per day but in no case shall they exceed federal and local labor law limitations. The Contractor shall comply with all duty hours and tours of duty identified by the PCO. Work hours will be specified in the Work Directive.

C.14.16 Deployed Personnel On-Call Duty: The Contractor shall be available to work (i.e. on-call) during other than regular hours to perform mission essential tasks.

C.14.17 Deployed Personnel Development Plan: The Contractor shall develop and maintain a Deployment Plan for personnel subject to deploy in support of contingency operations. The Deployment Plan shall follow guidelines set forth in AMC-P 715-16 for the items provided by the Contractor. The Contractor shall certify that deploying Contractor personnel have completed all administrative requirements set forth in Tables B-1 and B-2 of DA PAM 715-16 and furnish a copy of the certified checklist to the MRAP Product Management Office.

C.14.18 Deployed Personnel Contingency Plan: The Contractor shall provide a Contingency Plan, which may be included as part of the overall Deployment Plan, describing how the Contractor shall ensure the continuation of such services during crisis situations, to include performance under hostile conditions. This data shall be provided on the Government specified database repository to a fidelity, format and delivery frequency agreed by the contractor and the Government. The plan should identify which positions are performing mission essential support. The plan should also identify which Contractor personnel have a military mobilization recall commitment and provide for adequate replacement of those Contractor personnel in the event of mobilization. (The Contractor should use a reference DoD Instruction 3020.37, Continuation of Essential DOD Contractor Services during Crisis) at ://www.dtic.mil/whs/directives/.

C.14.19 Deployed Personnel Contact Information:

C.14.19.1 The Contractor shall provide the MRAP Product Management Office the contact information for its primary and backup Points of Contact who are familiar with the firms plans and operations relating to Contingency Operations. This data shall be provided on the Government specified database repository to a fidelity, format and delivery frequency agreed by the contractor and the Government.

C.14.19.2 The Deployment and Contingency Plans shall be provided to the MRAP Product Management Office 15 days after award of the contract. This data shall be provided on the Government specified database repository to a fidelity, format and delivery frequency agreed by the contractor and the Government.

C.14.20 Contractor Deployment: The Contractor shall have the capability to staff and support any unit OCONUS with either a FRA capability and/or additional FRA personnel as needed in the event of a deployment, whether contingency or for training.

C.14.21 Contractor Personnel Management

C.14.21.1 As used herein, the phrase Contractor personnel includes both prime and subcontractor personnel and the Contractor shall ensure that these requirements herein are included in all subcontracts. Each military operation shall evolve differently depending upon mission and the combatant commanders guidance.

C.14.21.2 Treaties and International Agreements (e.g. Status of Forces Agreements, Host Nation Support Agreements, and Defense Technical Agreements), applicable to Contractors supporting the U.S. Armed Forces under the facts and circumstances in the Area of Operations: The Contractor shall be thoroughly familiar with Army Regulation (AR) 715-9, Contractors Accompanying the Force, DA PAM 715-16, and Field Manual (FM) 3-100.21. In addition, the Contractor is obligated to request any specific information not provided in this language, but needed at the time of deployment for the PCO or the designated Contracting Officers Representative (COR).

C.14.21.3 The Contractor shall comply with U.S. Army and DoD regulations, directives, guidance, instructions, policies, procedures, and general orders applicable to U.S. Armed Forces and DoD civilians supporting the U.S. Armed Forces in the Area of Operation (AO) as

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issued by the Combatant Commander and his/her representative to ensure mission accomplishment, force protection, and safety.

C.14.21.4 Accounting for Personnel (Systems, External and Theater Support): As directed by the PCO or his/her representative, and based on instruction of the theater commander, the Contractor shall report its employees, including third country nationals, entering and/or leaving the area of operations by name, citizenship, location, Social Security Number (SSN) or other official Identity document number.

C.14.22 Contractor Personnel Risk Assessments and Mitigation: Contractor Contact Information: The Contractor shall provide the Government information for its primary and backup Points of Contact who are familiar with the firms plans and operations relating to contingency operations. This data shall be provided on the Government specified database repository to a fidelity, format and delivery frequency agreed by the contractor and the Government.

C.14.23 Contractor Evacuation: As required by the operational situation, the Government may, at its discretion, relocate designated Contractor personnel (who are United States citizens, aliens in resident of the United States or third country nationals (not resident in the host nation)) to a safe area or evacuate them from the area of operations. The U.S. State Department has responsibility for evacuation of non-essential personnel.

C.14.24 Contractor Notification: The PCO may direct evacuation of Contractor employees deployed in support of contingency operations upon a determination that there is an imminent increased threat to the safety, health, or welfare of the Contractor employees and an evacuation is necessary to secure their health, safety, and/or welfare. The PCOs evacuation direction will be in writing or will be promptly confirmed in writing.

C.14.25 Contractor Requests: If the Contractor reasonably believes there to be an imminent increased threat to the safety, health, and/or welfare of the Contractor employees, the Contractor may request the PCO to direct the evacuation of those personnel. The Contractor may also request evacuation of Contractor employees in the event of medical emergency or death. These requests shall be in writing or shall promptly be confirmed in writing and shall detail the circumstances constituting an imminent increased threat to the safety, health, and/or welfare of the contract employees. The PCO after discussions with the Theater Command of host nation and other Government Official(s), to the extent the PCO considers them advisable, will direct evacuation of Contractor employees or will deny the request.

C.14.26 Training of Government Personnel

C.14.26.1 For those Contractor personnel providing services deemed essential during a crisis, the Contractor shall ensure that all appropriate training required to ensure a continuation of essential services during a crisis is provided to Government personnel. The rights and remedies of the Government under this clause are in addition to any other rights and remedies provided by law or under this contract.

C.14.26.2 The PCO will inform the Contractor of all Nuclear, Biological, and Chemical (NBC) equipment and Chemical Defensive Equipment (CDE) training requirements and standards. The U.S. Government will provide the Contractor employees with CDE familiarization training commensurate with the training provided to DoD civilian employees.

C.14.26.3 Camp Atterbury - Individual Replacement Deployment Operation (IRDO) will provide mission training designed to provide deploying individuals with a basic knowledge of what they can expect once they deploy into the theater of operations. Training will cover areas such as the Geneva Convention, Code of Conduct, Health and Sanitation, Legal Assistance, Customs and Courtesies for the area of deployment, applicable Status of Forces Agreement, Security, Weapons Familiarization and any additional training dictated by the special circumstances of the deployment and approved by the Theater Commander.

C.14.27 Technical Data Rights: When directed, for those Contractor provided services deemed essential during a crisis the Contractor shall ensure all applicable technical data that is required to ensure the continuation of essential services during the crisis are provided to the Government. These rights and remedies of the Government are in addition to any other rights and remedies provided by law or under this contract.

C.14.28 Security and Background Checks: Prior to accompanying the force, the Contractor shall ensure that all Contractor security and background checks are performed.

C.14.29 Central Processing and Departure Point

C.14.29.1 The U.S. Government (USG) is responsible for providing information on all requirements necessary for deployment. The Contractor shall ensure that all Contractor personnel report to Camp Atterbury - Individual Replacement Deployment Operation (IRDO) deployment-processing site where the Contractor personnel will receive appropriate training and items (e.g. specialized clothing and equipment, identification cards and tags). For any Contractor personnel determined by the Government to be not qualified to accompany the force, the Contractor shall promptly remedy the problem. The Contractor shall ensure that all Contractor personnel re-deploy and out-process through the designated deployment processing site. Upon redeployment, the Contractor shall ensure that all issued controlled items are returned to the Government. (Medical screening requirements may be found in FM 3-100.21, Appendix D.)

C.14.29.2 General. The Government is responsible for providing information and assistance in meeting the requirements necessary for

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deployment. Deployment processing will include, as a minimum, all Government required procedures such as medical examinations, and immunizations. If central processing is required, the Contractor employees will be issued Letters of Authorization for processing through the Individual Replacement Deployment Operation (IRDO) and for the duration of the tour of duty. The Contractor is responsible for travel to the CRC/IDS or other CONUS departure point. If a IRDO departure point is not used, the Contractor will receive an equitable adjustment for all reasonable travel costs incurred in deployment of Contractor employees.

C.14.29.3 Contractor personnel, who have an established habitual relationship with a deploying military unit, may be required to prepare for deployment with the unit. For any Contractor personnel determined by the Government at the deployment/processing site to be non-deployable, the Contractor shall promptly remedy the problem. For all other Contractor personnel who do not have an established habitual relationship with a deploying military unit, the PCO will provide information regarding the appropriate deployment procedures and preparation site.

C.14.29.4 The PCO will provide Contractor their AO Government point of contact, AMC LSE, or other designated liaison, prior to their deployment with the unit to the AO. The Contractor shall be responsible for notifying the applicable Government contact of their imminent deployment. Information to be provided to the Government contact shall include their movement dates and locations with the unit within the AO, and their departure date from the AO and out-process through the original deployment processing Center.

C.14.29.5 For any Contractor employee determined by the Government at the deployment-processing site to be non-deployable for debilitating health problems or failure to have a security clearance or travel documents when required, the Contractor shall promptly remedy the problem. If the problem cannot be remedied in time for deployment, a replacement having equivalent qualifications and skills shall be provided within a mutually agreeable time period.

C.14.29.6 The PCO will provide the Contractor all mission training requirements and the Contractor shall ensure that all deploying employees receive, and successfully complete, all required mission training.

C.14.29.7 The Contractor shall not deploy its own employees unless authorized by the PCO. If authorization to deploy its own employees is provided, the Contractor is responsible to ensure all deployment requirements are met. The Contractor shall ensure all deployment requirements are coordinated with the PCO, the appropriate Army Material Command, Logistics Support Element (AMC, LSE) or other designated liaison prior to deployment.

C.14.30 Individual Readiness File: It is the Contractors responsibility to maintain the Individual Readiness File (IRF) records needed for identification and processing. Contractor personnel are responsible for having their IRF complete and with them when they arrive at their deployment processing center. In the absence of a detailed list elsewhere in the contract, see the tables in the latest revision of AR 715-9 and the Administrative Section on the deployment center as of 1 April 2012 is at Camp Atterbury, IN, Center website at [://www.campatterbury.in.ng.mil](http://www.campatterbury.in.ng.mil) for details on what should be included. Note that some requirements will vary depending on the area to which Contractor personnel will be deployed. The Government will provide the contractor with any change in deployment center location.

**C.14.31 Contractor Medical**

C.14.31.1 It is the responsibility of the Contractor to provide qualified, capable personnel who meet the physical standards and medical requirements to perform the contracted duties in designated theater of operations.

C.14.31.2 Individual readiness files must address the following areas:

C.14.31.2.1 Medical/Dental: The contractor shall provide, via courier, one copy of the latest complete physical exams (must be less than 15 months old) and dental records with Panorex) for all personnel entering the deployment center NLT 2 weeks prior to individuals arrival entering the deployment center. In addition all contractor personnel shall bring one copy of their latest complete physical exams (must be less than 15 months old) and dental records with Panorex) for in processing at the deployment center.

C.14.31.2.2 DNA sample shall be collected and stored at the deployment-processing center.

C.14.31.2.3 The Army Dental Care System (ADCS) will ensure dental health deployment standards by accepting only a DoD Form 2813, Active Duty/Reserve Forces Dental Examination, completed by the Contractors civilian dentist, as proof of dental deployment status.

**C.14.32 Medical Screening**

C.14.32.1 Deploying Contractor personnel shall carry with them a minimum of a 180-day supply of any medication they require. Military facilities will not be able to replace many medications required for routine treatment of chronic medical conditions such as high blood pressure, heart conditions, asthma and arthritis. Contractor employees shall review both the amount of the medication and its suitability in the foreign area with their personal physician and make any necessary adjustments prior to deployment. Upon arrival in the area of operations, the Logistical Assistance Office (LAO) or COR will coordinate with the supporting medical unit to ensure the future availability of prescription medications and to obtain such medications.

C.14.32.2 If glasses are required contractor employees shall deploy with two pairs of glasses and a current prescription. Copies of the prescription shall be provided by the employee at the IRDO so that eyeglass inserts for use in compatible chemical protective mask can

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be prepared. Wearing contact lenses in a field environment is not recommended.

C.14.32.3 Reserved

C.14.32.4 The Government at its discretion may provide to Contractor employees deployed in the theater of operations, on a cost reimbursable basis, emergency medical and dental care commensurate with the care provided to DoD civilians deployed in the theater of operations. This is subject to the availability of such medical and dental care.

C.14.32.5 The examining physician or physician assistant (PA) has full authority in determining Contractor personnel fitness. In making this determination he/she should consider: the specified standards of the Contractor personnel position (described on SF 78, Certificate of Medical Examination), the physical and medical condition of the Contractor personnel, the potential environment to which the Contractor personnel may deploy (for Emergency Essential Personnel, assume combat zone in the third world; for all others, consider the environment to which the Contractor is deploying). The physician/PA should be conservative in determining Contractor personnel fitness and render his/her written recommendation of SF 78.

C.14.32.6 If bio-defense vaccines are required, such as anthrax and smallpox for the Area of Operations being deployed, the vaccine will be provided to the Contractor personnel by the Government on a reimbursable basis. Generally, the vaccines will be provided at the IRDO or at the nearest Medical Treatment Facility (MTF).

C.14.33 Standard Identification Cards

C.14.33.1 The Contractor shall ensure that all deploying individuals have the required identification tags and cards prior to deployment. In addition to the DD Form 489 (Geneva Convention Card), issued at the point of deployment, all Contractor employees will be issued personal identification tags and common access cards (CAC), if available before deployment. The CAC documents Contractor employee entitlements for access to installation as well as medical and PX privileges in accordance the applicable Letter of Authorization (described elsewhere in this contract). Personal identification tags will include the following information: full name, social security number, blood type and religious preference. Contractor Employees shall maintain all issued cards tags on their person at all times while OCONUS. Upon redeployment, the Contractor shall ensure that all issued controlled identification cards and tags are promptly returned to the Government.

C.14.33.2 Upon arrival in theater, Contractor personnel may be required to obtain locally required identification cards. The Government Representative who has cognizance for these Contractor personnel in theater will assist in the coordination of the issuance of these identification cards.

C.14.34 Letter of Authorization: Unless prohibited by international agreement, the PCO will issue a Letter of Authorization (LOA) for Contractor personnel deployment and redeployment to and from the Area of Operation. This is the document Contractor personnel must carry with them as authorization for use of Government transportation, medical facilities, billeting, and other entitlements. Invitational travel orders shall not be issued in lieu of this Letter of Authorization. These Letters of Authorization will state the intended length of assignment in the area of operation and shall identify planned use of Government facilities and privileges in the theater of operations, as authorized by the contract.

C.14.35 Clothing and Equipment Issue

C.14.35.1 Contractor personnel accompanying the force are not authorized to wear military uniforms items, except for specific items required for safety and security. Exceptions require a Department of the Army waiver. An individuals status as Contractor personnel shall be conspicuously displayed on their clothing unless prohibited for operational reasons. Contractor personnel should wear clothing appropriate for the work being performed. Items of personal clothing and personal care, to include both casual attire and work clothing required by the particular assignment, are the responsibility of the individual Contractor employee and will not be issued at the deployment center. Clothing should be distinctive and unique and not imply that the Contractor is a military member, while at the same time not adversely affecting the Governments tactical position in the field. Guidelines are within Pamphlet AMC-P715 and DA PAM 715-16. It is up to the Contractor to insure that duty uniforms do not present a problem for the field commander or to be so similar to the Armed Services uniform to create confusion.

C.14.35.2 The Combatant Commander, subordinate Joint Force Commander (JFC), or Army Force (ARFOR) Commander may require that Contractor employees be issued and be prepared to wear Organizational Clothing and Individual Equipment (OCIE), to include Chemical, Biological, Radiological, Nuclear Element and High-Yield Explosive (CBRNE) defensive equipment, necessary to ensure Contractor personnel security and safety. The Contractor or Contractor personnel shall sign for all issued OCIE to acknowledge receipt and acceptance of responsibility for the proper maintenance and accountability of the OCIE.

C.14.35.3 When OCIE and/or Chemical, Biological, Radiological, Nuclear, and High-Yield Explosive (CBRNE) equipment is issued to the Contractor personnel, equipment familiarization training shall be provided to the Contractor personnel, commensurate with the training provided to DoD civilian employees, usually at the deployment processing center.

C.14.35.4 The Contractor shall ensure that all issued OCIE is returned to the Government at the place of issue unless the PCO or his representative direct otherwise.

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C.14.36 Contractor Vehicle and Equipment Operation

C.14.36.1 The Contractor shall ensure that Contractor personnel possess the required licenses to operate all vehicles or equipment necessary to perform the contract in the Area of Operations.

C.14.36.2 Contractor-owned or leased motor vehicles or equipment shall meet all requirements established by the combatant command and shall be maintained in a safe operating condition.

C.14.36.3 Before operating any military owned or leased equipment, the Contractor employee shall provide proof of license (issued by an appropriate Governmental authority) to the unit or agency issuing the equipment. The Government, at its discretion, may train and license Contractor employees to operate military owned or leased equipment. The Government, at its discretion, may train and provide an Incidental Driver Permit to Contractor employees who operate military owned or leased equipment (Ref. AR 600-55).

C.14.37 Contractor Tour of Duty

C.14.37.1 The Contractor may rotate Contractor employees into and out of the theater provided there is no degradation in mission results. For employees who have deployed less than six months, the Contractor may rotate personnel. The costs for rotating employees who have deployed for longer than six months shall be an allowable cost under the contract. The Contractor shall coordinate personnel changes with the PCO and the AMC, LSE or other designated liaison responsible for accounting for Contractor personnel in their Area of Operation.

C.14.37.2 The Contractor shall comply with all duty hours and tours of duty identified in this contract. These could change, however, to ensure the Governments ability to continue to execute its mission. The duty hours and tours of duty may be the same as military personnel and operation needs as directed by the Combatant Commander.

C.14.37.3 The Contractor shall be available to work extended hours to perform mission essential tasks as required by the operational situation by the Combatant Commander or his/her authorized designee, when required, to ensure the Governments ability to continue to execute its mission.

C.14.38 Contractor Reception, Staging, Onward Movement and Integration

C.14.38.1 Arrival in Area of Operation Logistics Support Element: Contractor employees shall report to the AMC LSE (or other designated liaison) and provide necessary information to the AMC LSE on the Contractors deployment and activities in the Area of Operation to facilitate the AMC LSE logistics integration function. Initial contact and coordination with the AMC LSE shall be conducted prior to deployment into the theater. Similar coordination and reporting to the AMC LSE shall occur prior to exiting the area of operation. Any additional coordination requirements with the AMC LSE shall be as defined by the PCO or COR.

C.14.38.2 Upon arrival in the Area of Operation, Contractor personnel shall receive reception, staging, onward movement and integration (RSOI), as directed by the AMC-LSE (or other designated liaison). Contractor personnel may be required to obtain additional locally required identification cards.

C.14.38.3 Use of Commercial Transportation into the Area of Operation: Unless directed by the PCO in conjunction with guidance from the combatant commander, Contractor personnel shall not obtain commercial transportation into an Area of Operation. The Government shall provide transportation into and out of the Area of Operation for Contractor personnel from the deployment-processing center.

C.14.39 Contractor Accountability/Visibility & Logistics Support Element

C.14.39.1 The Contractor shall ensure that all Contractor personnel contact the AMC-LSE (or other designated liaison). Contractor personnel shall be responsible for providing all required theater specific accountability/visibility information to the Area of Operations AMC-LSE to facilitate the logistics integration function. The specific information required to assist in accounting for these personnel when they are deployed will be identified by the Government prior to the Contractor personnel reporting to the deployment processing center. The Contractor shall ensure that all requested data is provided to the Army for inclusion in the U.S. Armys applicable personnel accountability database system.

C.14.39.2 The Contractor shall coordinate with the AMC LSE or other PCOs designated representative for logistics support, as follows: (i) upon initial entry into the Area of Operation; (ii) upon initiation of contract performance; (iii) upon relocation of contract operations within the Area of Operations; and (iv) upon exiting the Area of Operation. Any additional coordination requirements with the AMC-LSE shall be as directed by the PCO or Contracting Officer Representative.

C.14.39.3 As required by the operational situation, the Government may at its discretion relocate Contractor personnel to a safe area or evacuate them from the Area of Operation. The U.S. State Department has responsibility for evacuation of personnel as described in 22 U.S.C. 4802(b).

C.14.39.4 If Contractor personnel depart an Area of Operations without permission, the Contractor shall ensure continued performance IAW

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the terms and conditions of the contract. When the Contractor replaces personnel who depart the Area of Operation without permission, the replacement expense shall be borne by the Contractor and the employee must be replaced within a mutually agreeable time period. Contractor personnel who depart the Area of Operation without permission relinquish force protection.

**C.14.40 Contractor Technical Support**

C.14.40.1 All technical support processes and procedures (such as parts requisitioning and distribution, retrograde of material, surging technicians forward, etc.) shall be integrated into the logistics plans and policies established by PM MRAP. Contractor shall ensure coordination with the Brigade of transit and status reporting for all non-standard parts.

C.14.40.2 The Contractor should be prepared to move material and equipment using U.S. Government transportation and comply with applicable transportation regulations, such as MILSTAMP for safety, packaging and tie-downs as required by the operational situation.

C.14.41 Contractor Force Protection: While performing duties IAW the terms and conditions of the contract, the Combatant Commander shall provide force protection to Contractor personnel commensurate with that given to Service/Agency (e.g. Army, Navy, Air Force, Marine Corps, and Defense Logistics Agency (DLA) civilians in the Area of Operations.

C.14.42 Contractor Weapons: The Government will provide force protection for Contractor personnel. The Government may issue side arms to Contractor employees for their personal self-defense. The issuance of such weapons must be authorized by the Theater Commander and must comply with military regulations regarding firearms training and safe handling. However, Contractor employees shall not possess personally owned firearms in the area of operations. The acceptance of self-defense weapons by a Contractor is voluntary and should be IAW the employers company policy regarding possession and/or use of weapons. When accepted, the Contractor employee is responsible for using the weapon IAW the applicable rules governing the use of force (DFARS 252.225-7995). Also, when accepted, only military issued ammunition may be used in the weapon. The Contractor employee is legally liable for any use that is not IAW the rules of engagement (DFARS 252.225-7995). The Contractor employee must be aware that they may incur civil and criminal liability, both under Host Nation Law or U.S. Criminal and Civil Law, for improper or illegal use of weapons.

C.14.43 Contractor Weapons Training: Prior to issuing any weapons to Contractor employees, the Government will provide the Contractor employees with weapons familiarization training commensurate to training provided to DoD civilian employees. The Theater Commander is responsible to ensure that armed Contractors receive training in the rules of engagement, the rule governing the use of force, and the law of war. The Contractor shall ensure that its employees adhere to all guidance and orders issued by the Theater Commander or his/her representative regarding possession, use, safety and accountability of weapons and ammunition.

C.14.44 Contractor Legal Assistance: Contractor employees supporting a contingency deployment and are accompanying the Armed Forces of the U.S. outside the U.S., will receive certain legal assistance from Army lawyers as part of their deployment support. If legal assistance is provided while Contractor employees are deployed in the theater of operations, it must be IAW applicable international or host nation agreements. The legal assistance is limited and ministerial in nature (for example, witnessing signatures on documents and providing notary services), legal counseling (to include review and discussion of legal correspondence and documents), and legal document preparation (limited to simple wills, powers of attorney, and advanced medical directives), and help retaining non-DoD civilian attorneys.

**C.14.45 Contractor Living under Field Conditions**

C.14.45.1 Depending on the contingency, and other factors, it may be necessary for the Government to provide deployed Contractor personnel the equivalent living conditions, subsistence, emergency medical and dental care, sanitary facilities, mail delivery, laundry service, and other available support afforded to Government employees and military personnel in the Areas of Operations unless prohibited by field conditions.. Types of logistical support provided to Contractor personnel are outlined in the Letter of Authorization (LOA).

C.14.45.2 The Contractor is advised of the potential danger, stress, physical hardships and field living conditions associated with the deployment. The Contractor shall be responsible for sharing this information with it employees.

C.14.45.3 The Contractor shall ensure that Contractor personnel acknowledge, in writing, that they understand the danger, stress, physical hardships, and field living conditions that are possible in support of military operations. The acknowledgement shall include the impact that any austere conditions may have on any Contractor personnel chronic medical preconditions.

C.14.45.4 If subsistence and protection requirements change during the deployment (e.g. if the Combatant Commander or subordinate commander changes the authorizations), the PCO will modify the contract, and any equitable adjustments shall be negotiated under the changes clause.

C.14.45.5 Morale, Welfare, Recreation. When approved by the installation or combatant commander, the Government will provide deployed Contractor personnel with morale, welfare, and recreation services commensurate with that provided to DoD civilians and military personnel in the Area of Operations.

C.14.45.6 Morale, Welfare, Recreation (MWR) and Support Services: Contractor employees working within the theater of operations shall,

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to the maximum extent possible, be eligible to use MWR facilities, activities, and services subject to the installation or Theater Commanders discretion and the terms of the contract. Contractor employees shall be eligible for use of Army and Air Force Exchange Service (AAFES) facilities for health and comfort items. Use of these facilities shall be based on installation and Theater Commanders discretion, the terms of the contract with the Government, and the terms of the applicable Status of Forces Agreement (SOFA).

C.14.46 Status of Forces Agreements (SOFA): SOFA is an international agreement between two or more Governments that provide for various privileges, immunities and responsibilities, as well as the rights and responsibilities of individual members of the sending states force. The Contractor shall adhere to all relevant provisions of applicable SOFA and other similar related agreements.

C.14.47 Uniform Code of Military Justice: Civilian and Contractor employees are subject to military law when serving with or accompanying an armed force only in time of war. The U.S. Supreme Court has ruled in time of war to mean a congressionally declared war.

C.14.48 Public Law 106-523 Military Extraterritorial Jurisdiction Act of 2000, Amended Title 18, U.S. Code, establishes Federal Jurisdiction over certain criminal offenses committed outside the United States by persons employed by or accompanying the Armed Forces, or by members of the Armed Forces who are released or separated from active duty prior to being identified and prosecuted for the commission of such offenses, and for other purposes. The Act applies to anyone who engages in conduct outside the U.S. that would constitute an offense punishable by imprisonment for more than one year, the same as the offense had been committed within the jurisdiction of the U.S. The person must be employed by or accompanying the Armed Forces outside the U.S. The term employed by the Armed Forces outside the U.S. means employed as a civilian employee of DoD, as a DoD Contractor or an employee of a DoD Contractor, who is present or residing outside the U.S. in connection with such employment, and is not a national of or ordinarily resident in the host nation. The term accompanying the Armed Forces outside the U.S. means a family member of a member of the Armed Forces, a civilian employee of the DoD, a DoD Contractor or an employee of a DoD Contractor, not a national of or ordinary resident in the host nation.

C.14.49 Contractor Health and Life Insurance: The Government has no statutory obligation to provide a Contractor employee with any health insurance. The Government may reimburse some life insurance costs as a result of overseas deployment.

C.14.50 Contract Next of Kin Notification

C.14.50.1 Before deployment, the Contractor shall ensure that each Contractor employee completes at least three DD Forms 93, Record of Emergency Data Cards. One completed form is for the Individual Replacement Deployment Operation (IRDO), one copy for the Armys Casualty & Memorial Affairs Operations Center (CMAOC), and one copy for the AMC LSE Contractor Coordination Cell (CCC) or other designated liaison. Contractor personnel are responsible for providing the IRDO with two copies and delivering one copy to the AMC LSE or other designated liaison upon arrival in theater. The Contractor personnels office should also maintain this information.

C.14.50.2 As Executive Agent for Mortuary Affairs, the Army will facilitate the notification of the Next of Kin (NOK) in the event that a U.S. citizen Contractor employee accompanying the force OCONUS dies, requires evacuation due to injury, or is reported missing or captured. Notification support by the Army is dependent upon each Contractor employee completing, and updating as necessary, the DD Form 93 (Record of Emergency Card).

C.14.50.3 The Department of Army will not directly make contact with the NOK since the relationship is between the Government and employer and not directly with the employee. In some cases, an Army Notification Officer may accompany the employers representative to facilitate the notification process, if requested by the employer. In this case, the Army Notification Officer may work with the Contractor Representative in assisting the NOK with applying for and obtaining the appropriate benefits and entitlements.

C.14.50.4 It is important to note that it is not within the Government's purview to notify the NOK or family directly. The Army does not have any other responsibility other than delivering the remains to the location specified by the NOK as reported by the employer.

C.14.50.5 NOK Reports: The Contract shall submit in Government Defined Format, Frequency and Fidelity a bi-weekly (twice per month) status report on all deployment activities This data shall be provided on the Government specified database repository to a fidelity, format and delivery frequency agreed by the contractor and the Government.

C.14.51 Personnel Recovery (PR) Training

C.14.51.1 Personnel Recovery is the sum of diplomatic, civil, and military efforts to report, locate, support, recover, return and repatriate U.S. military, DoD civilians, DoD Contractors, and others as directed by the Secretary of Defense who are captured, detained, evading, isolated or missing, while participating in a U.S. activity or mission.

C.14.51.2 Preserving the lives of U.S. Military, DoD Civilians and DoD Contractors placed in danger of isolation, detention or capture, while in a U.S. sponsored mission, is one of the highest priorities of the U.S. Government. Personnel Recovery is the critical element for AMC to fulfill its moral obligation to protect its personnel, prevent exploitation and to reduce the potential for the capture of Personnel.

C.14.51.3 Personnel Recovery encompasses prevention training, conducting military search and rescue, combat search and rescue, recovery of isolated personnel, and repatriation of hostages, detainees, prisoners of war or persons missing or killed in action.

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C.14.51.4 All Contractor Personnel conducting OCONUS missions are required to have Personnel Recovery Training IAW DoDI 3020.41. The Contracting Officers Designated Representative will make arrangements for the Contractor personnel to fulfill the PR requirements.

C.14.51.5 Contractor personnel accompanying the forces in AOR will receive their PR Training at IRDO. However, the Synchronized Personnel Operational Tracker and Civilian Personnel Verification Data Card should be completed at home station and provide to the PM MRAP to hold as backup for the theater. IRDO will also require the Contractor personnel to complete this data.

C.14.51.6 Contractor personnel conducting OCONUS missions (other than AOR) shall also require PR Training. The Contractor will be informed of the requirements for each mission. The Contractor personnel shall complete the following pre-deployment home station training through the U.S. Army Aviation & Missile Command, Personnel Recovery Program website  
://redstoneappsrv1.redstone.army.mil/prp/prp\_home:

C.14.51.6.1 Survival, Evasion, Resistance, and Escape (SERE) Level B unclassified training videos (Hostage Introduction, Hostage Survival Policy/Surviving a Hostage Detention, Hostage Communication, Hostage Resistance Exploitation, Hostage Effecting Release, and Level B Hostage Summary)

C.14.51.6.2 Review Code of Conduct Briefing

C.14.51.6.3 At-Risk Briefing

C.14.51.6.4 Review of Foreign Clearance Guidance Guide

C.14.51.6.5 Antiterrorism Level 1 Training

C.14.51.6.6 High-Risk-of-Capture Briefing

C.14.51.6.7 Complete Civilian Personnel Data Verification Card

C.14.51.6.8 Register in SPO Tracking System Training completion will be validated by TACOM, G-2 and MRAP Project Manager.

C.14.52 Korea Operations: United States Forces Korea Regulation 525-40 (USFK Reg. 525-40) and Army in Korea Regulation 95-33 (AK Reg. 95-33) are incorporated by reference. USFK Reg. 525-40 and AK Reg. 95-33 can be accessed at ://8tharmy.korea.army.mil under the publications link.

C.14.53 Contractor Verification System

C.14.53.1 The Under Secretary of Defense for Personnel and Readiness (USD (P&R)) has mandated the Contractor Verification System (CVS) as the authoritative source for secure, reliable Contractor identification data. Effective 27 October 2006, the web-based CVS application shall be the only means which Contractor data may be added to the Defense Enrollment Eligibility Reporting system (DEERS). CVS replaces the manually prepared paper DD Form 1172-2 (Application for DoD Common Assess Card (CAC)).

C.14.53.2 CVS requires the Contractor to:

C.14.53.2.1 Notify the Trusted Agent (TA) to initiate a Contractor CAC Request;

C.14.53.2.2 Register for an Army Knowledge Online (AKO) account;

C.14.53.2.3 Enter and edit contract information in CVS

C.14.53.2.4 Submit completed applications via CVS and maintain records on approved/rejected applications

C.14.53.2.5 Manage requests for a new or renewed CAC cards to allow sufficient time to commence performance under a contract.

C.15 Item Unique Identification (IUID) Marking: The Contractor shall implement specific IUID markings, IAW and as defined in MIL-STD-130N and DFARS clause 252.211-7003

C.15.1 Contractor shall submit an IUID Production report IAW CDRL A108.

C.15.2. Contractor shall submit an IUID Embedded Items Data Maintenance Report IAW CDRL A110.

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

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SECTION E - INSPECTION AND ACCEPTANCE

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/VDFDARA.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>
E-1 (52.246-4009) (TACOM)	INSPECTION AND ACCEPTANCE POINTS: DESTINATION	FEB/1995

Inspection and acceptance of supplies offered under this purchase order shall take place as specified here. Inspection: DESTINATION. Acceptance: DESTINATION.

[End of Clause]

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## SECTION F - DELIVERIES OR PERFORMANCE

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>
F-1	52.242-15	STOP-WORK ORDER (AUG 1989) -- ALTERNATE I (APR 1984)	APR/1984
F-2	52.242-17	GOVERNMENT DELAY OF WORK	APR/1984
F-3	52.247-29	F.O.B. ORIGIN	FEB/2006
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	252.211-7003	ITEM IDENTIFICATION AND VALUATION	JUN/2013

(a) Definitions. As used in this clause

"Automatic identification device" means a device, such as a reader or interrogator, used to retrieve data encoded on machine-readable media.

"Concatenated unique item identifier" means

(1) For items that are serialized within the enterprise identifier, the linking together of the unique identifier data elements in order of the issuing agency code, enterprise identifier, and unique serial number within the enterprise identifier; or

(2) For items that are serialized within the original part, lot, or batch number, the linking together of the unique identifier data elements in order of the issuing agency code; enterprise identifier; original part, lot, or batch number; and serial number within the original part, lot, or batch number.

"Data qualifier" means a specified character (or string of characters) that immediately precedes a data field that defines the general category or intended use of the data that follows.

"DoD recognized unique identification equivalent" means a unique identification method that is in commercial use and has been recognized by DoD. All DoD recognized unique identification equivalents are listed at [http://www.acq.osd.mil/dpap/pdi/uid/iuid\\_equivalents.html](http://www.acq.osd.mil/dpap/pdi/uid/iuid_equivalents.html).

"DoD unique item identification" means a system of marking items delivered to DoD with unique item identifiers that have machine-readable data elements to distinguish an item from all other like and unlike items. For items that are serialized within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier and a unique serial number. For items that are serialized within the part, lot, or batch number within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier; the original part, lot, or batch number; and the serial number.

"Enterprise" means the entity (e.g., a manufacturer or vendor) responsible for assigning unique item identifiers to items.

"Enterprise identifier" means a code that is uniquely assigned to an enterprise by an issuing agency.

"Governments unit acquisition cost" means

(1) For fixed-price type line, subline, or exhibit line items, the unit price identified in the contract at the time of delivery;

(2) For cost-type or undefinitized line, subline, or exhibit line items, the Contractors estimated fully burdened unit cost to the Government at the time of delivery; and

(3) For items produced under a time-and-materials contract, the Contractors estimated fully burdened unit cost to the Government at the time of delivery.

"Issuing agency" means an organization responsible for assigning a globally unique identifier to an enterprise (e.g., Dun & Bradstreet's Data Universal Numbering System (DUNS) Number, GS1 Company Prefix, Allied Committee 135 NATO Commercial and Government

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Entity (NCAGE)/Commercial and Government Entity (CAGE) Code, or the Coded Representation of the North American Telecommunications Industry Manufacturers, Suppliers, and Related Service Companies (ATIS-0322000) Number), European Health Industry Business Communication Council (EHIBCC) and Health Industry Business Communication Council (HIBCC)), as indicated in the Register of Issuing Agency Codes for ISO/IEC 15459, located at <http://www.nen.nl/web/Normen-ontwikkelen/ISOIEC-15459-Issuing-Agency-Codes.htm>.

"Issuing agency code" means a code that designates the registration (or controlling) authority for the enterprise identifier.

"Item" means a single hardware article or a single unit formed by a grouping of subassemblies, components, or constituent parts.

"Lot or batch number" means an identifying number assigned by the enterprise to a designated group of items, usually referred to as either a lot or a batch, all of which were manufactured under identical conditions.

"Machine-readable" means an automatic identification technology media, such as bar codes, contact memory buttons, radio frequency identification, or optical memory cards.

"Original part number" means a combination of numbers or letters assigned by the enterprise at item creation to a class of items with the same form, fit, function, and interface.

"Parent item" means the item assembly, intermediate component, or subassembly that has an embedded item with a unique item identifier or DoD recognized unique identification equivalent.

"Serial number within the enterprise identifier" means a combination of numbers, letters, or symbols assigned by the enterprise to an item that provides for the differentiation of that item from any other like and unlike item and is never used again within the enterprise.

"Serial number within the part, lot, or batch number" means a combination of numbers or letters assigned by the enterprise to an item that provides for the differentiation of that item from any other like item within a part, lot, or batch number assignment.

"Serialization within the enterprise identifier" means each item produced is assigned a serial number that is unique among all the tangible items produced by the enterprise and is never used again. The enterprise is responsible for ensuring unique serialization within the enterprise identifier.

"Serialization within the part, lot, or batch number" means each item of a particular part, lot, or batch number is assigned a unique serial number within that part, lot, or batch number assignment. The enterprise is responsible for ensuring unique serialization within the part, lot, or batch number within the enterprise identifier.

"Unique item identifier" means a set of data elements marked on items that is globally unique and unambiguous. The term includes a concatenated unique item identifier or a DoD recognized unique identification equivalent.

"Unique item identifier type" means a designator to indicate which method of uniquely identifying a part has been used. The current list of accepted unique item identifier types is maintained at [http://www.acq.osd.mil/dpap/pdi/uid/uii\\_types.html](http://www.acq.osd.mil/dpap/pdi/uid/uii_types.html).

(b) The Contractor shall deliver all items under a contract line, subline, or exhibit line item.

(c) Unique item identifier.

(1) The Contractor shall provide a unique item identifier for the following:

(i) All delivered items for which the Governments unit acquisition cost is \$5,000 or more.

(ii) The following items for which the Governments unit acquisition cost is less than \$5,000:

Contract Line,

Subline, or

Exhibit Line Item Number

Item Description

\_\_-1-\_\_\_\_\_

-2-\_\_\_\_\_

\_\_-1-\_\_\_\_\_

-2-\_\_\_\_\_

\_\_-1-\_\_\_\_\_

-2-\_\_\_\_\_

(iii) Subassemblies, components, and parts embedded within delivered items as specified in Attachment Number -3-.

(2) The unique item identifier and the component data elements of the DoD unique item identification shall not change over the life of

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the item.

(3) Data syntax and semantics of unique item identifiers. The Contractor shall ensure that

(i) The encoded data elements (except issuing agency code) of the unique item identifier are marked on the item using one of the following three types of data qualifiers, as determined by the Contractor:

(A) Application Identifiers (AIs) (Format Indicator 05 of ISO/IEC International Standard 15434), in accordance with ISO/IEC International Standard 15418, Information Technology EAN/UCC Application Identifiers and Fact Data Identifiers and Maintenance and ANSI MH 10.8.2 Data Identifier and Application Identifier Standard.

(B) Data Identifiers (DIs) (Format Indicator 06 of ISO/IEC International Standard 15434), in accordance with ISO/IEC International Standard 15418, Information Technology EAN/UCC Application Identifiers and Fact Data Identifiers and Maintenance and ANSI MH 10.8.2 Data Identifier and Application Identifier Standard.

(C) Text Element Identifiers (TEIs) (Format Indicator 12 of ISO/IEC International Standard 15434), in accordance with the Air Transport Association Common Support Data Dictionary; and

(ii) The encoded data elements of the unique item identifier conform to the transfer structure, syntax, and coding of messages and data formats specified for Format Indicators 05, 06, and 12 in ISO/IEC International Standard 15434, Information Technology Transfer Syntax for High Capacity Automatic Data Capture Media.

(4) Unique item identifier.

(i) The Contractor shall

(A) Determine whether to

(1) Serialize within the enterprise identifier;

(2) Serialize within the part, lot, or batch number; or

(3) Use a DoD recognized unique identification equivalent; and

(B) Place the data elements of the unique item identifier (enterprise identifier; serial number; DoD recognized unique identification equivalent; and for serialization within the part, lot, or batch number only: original part, lot, or batch number) on items requiring marking by paragraph (c)(1) of this clause, based on the criteria provided in the version of MIL-STD-130, Identification Marking of U.S. Military Property, cited in the contract Schedule.

(ii) The issuing agency code

(A) Shall not be placed on the item; and

(B) Shall be derived from the data qualifier for the enterprise identifier.

(d) For each item that requires unique item identification under paragraph (c)(1)(i) or (ii) of this clause, in addition to the information provided as part of the Material Inspection and Receiving Report specified elsewhere in this contract, the Contractor shall report at the time of delivery, either as part of, or associated with, the Material Inspection and Receiving Report, the following information:

(1) Unique item identifier.

(2) Unique item identifier type.

(3) Issuing agency code (if concatenated unique item identifier is used).

(4) Enterprise identifier (if concatenated unique item identifier is used).

(5) Original part number (if there is serialization within the original part number).

(6) Lot or batch number (if there is serialization within the lot or batch number).

(7) Current part number (optional and only if not the same as the original part number).

(8) Current part number effective date (optional and only if current part number is used).

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(9) Serial number (if concatenated unique item identifier is used).

(10) Governments unit acquisition cost.

(11) Unit of measure.

(e) For embedded subassemblies, components, and parts that require DoD unique item identification under paragraph (c)(1)(iii) of this clause, the Contractor shall report as part of, or associated with, the Material Inspection and Receiving Report specified elsewhere in this contract, the following information:

(1) Unique item identifier of the parent item under paragraph (c)(1) of this clause that contains the embedded subassembly, component, or part.

(2) Unique item identifier of the embedded subassembly, component, or part.

(3) Unique item identifier type.\*\*

(4) Issuing agency code (if concatenated unique item identifier is used).\*\*

(5) Enterprise identifier (if concatenated unique item identifier is used).\*\*

(6) Original part number (if there is serialization within the original part number).\*\*

(7) Lot or batch number (if there is serialization within the lot or batch number).\*\*

(8) Current part number (optional and only if not the same as the original part number).\*\*

(9) Current part number effective date (optional and only if current part number is used).\*\*

(10) Serial number (if concatenated unique item identifier is used).\*\*

(11) Description.

\*\* Once per item.

(f) The Contractor shall submit the information required by paragraphs (d) and (e) of this clause in accordance with the data submission procedures at

[http://www.acq.osd.mil/dpap/pdi/uid/data\\_submission\\_information.html](http://www.acq.osd.mil/dpap/pdi/uid/data_submission_information.html).

(g) Subcontracts. If the Contractor acquires by subcontract, any item(s) for which unique item identification is required in accordance with paragraph (c)(1) of this clause, the Contractor shall include this clause, including this paragraph (g), in the applicable subcontract(s), including subcontracts for commercial items.

(End of clause)

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SECTION G - CONTRACT ADMINISTRATION DATA

LINE	PRON/ AMS CD/ <u>ITEM</u> <u>MIPR</u>	OBLG <u>STAT</u>	JO NO/ <u>ACCT ASSIGN</u>	<u>ACRN</u>	OBLIGATED <u>AMOUNT</u>
0001AA	2M2APL02Q7	1	S.0014336.6.1	AA	\$ 683,736.00
0002AA	2M2APL02Q7	1	S.0014336.6.1	AA	\$ 661,036.70
0004AA	2M2APL02Q7	1	S.0014336.6.1	AA	\$ 127,740.00
TOTAL					\$ 1,472,512.70

<u>ACRN</u>	<u>ACCOUNTING CLASSIFICATION</u>	OBLIGATED <u>AMOUNT</u>
AA	021 201220142035      A5XDU D03002ARJT7      3107 L033417002 S.0014336.6.1	021001 \$ 1,472,512.70
TOTAL		\$ 1,472,512.70

LINE	<u>ACRN</u>	<u>EDI/SFIS ACCOUNTING CLASSIFICATION</u>	OBLIGATED <u>AMOUNT</u>
0001AA	AA	021 201220142035      A5XDU D03002ARJT7      3107 L033417002 S.0014336.6.1	021001
0002AA	AA	021 201220142035      A5XDU D03002ARJT7      3107 L033417002 S.0014336.6.1	021001
0004AA	AA	021 201220142035      A5XDU D03002ARJT7      3107 L033417002 S.0014336.6.1	021001

<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
G-1	52.242-4016      COMMUNICATIONS	MAY/2000

Communications on technical matters pertaining to the contract shall be direct between the contractor and the Technical Representative. Communications for the Technical Representative shall be addressed to:

Name: Margaret Bianchini  
E-mail: Margaret.A.Bianchini.civ@mail.mil

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

ACO: Contact DCMA-Chicago  
E-mail:

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

[End of Clause]

G-2	252.204-0005 (DFARS PGI)	PAYMENT INSTRUCTIONS FOR THE DEFENSE FINANCE AND ACCOUNTING SERVICE (DFAS) - Line Item Specific: by Cancellation Date	SEP/2009
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The payment office shall make payment using the ACRN with the earliest cancellation date first, exhausting all funds in that ACRN before disbursing funds from the next. In the event there is more than one ACRN associated with the same cancellation date, the payment amount shall be disbursed from each ACRN with the same cancellation date in the same proportion as the amount of funding obligated for each ACRN with the same cancellation date.

[End of Clause]

G-3	52.227-4004 (TACOM)	RELEASE OF INFORMATION	OCT/2012
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The contractor shall ensure that he complies with the requirements of Chapter 5, page 22, paragraph 5-48, of AR 360-1, The Army Public Affairs Program, dated 15 Sep 2000, prior to contemplated release of any procurement information. Approval of the Contracting Officer is required prior to release of any such information. AR 360-1 may be found at



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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	952.225-0004 (C3)	COMPLIANCE WITH LAWS AND REGULATIONS	DEC/2011

(a) The Contractor shall comply with, and shall ensure that its employees and its subcontractors and their employees, at all tiers, are aware of and obey all U.S. and Host Nation laws, Federal or DoD regulations, and US Central Command orders and directives as applicable to personnel in Iraq and Afghanistan, including but not limited to USCENTCOM, Multi-National Force and Multi-National Corps or Chief of Mission operations and fragmentary orders, instructions, policies and directives.

(b) Contractor employees shall particularly note all laws, regulations, policies, and orders restricting authority to carry firearms, rules for the use of force, and prohibiting sexual or aggravated assault.

(1) Afghanistan -- Contractor employees are subject to General Orders Number 1, as modified from time to time, including without limitation, their prohibition on privately owned firearms, alcohol, drugs, war souvenirs, pornography and photographing detainees, human casualties or military security measures.

(2) Iraq -- Contractor employees are not subject to General Order 1. Contractor employees will follow the policies or directives of the Office of Security Cooperation-Iraq (OSC-I) Installation Managers or Chief of Mission policies and directives regarding consumption of alcohol or any prohibited items for sites that they are assigned.

(c) Contractor employees may be ordered removed from the US Embassy, Chief of Mission sites, OSC-I sites, secure military installations or the theater of operations by order of the Chief of Mission (Iraq) or senior military commander of the battle space (Afghanistan) for acts that disrupt good order and discipline or violate applicable laws, regulations, orders, instructions, policies, or directives. Contractors shall immediately comply with any such order to remove its contractor employee.

(d) Contractor employees performing in Iraq or the USCENTCOM Area of Responsibility (AOR) may be subject to the jurisdiction of overlapping criminal codes, including, but not limited to, the Military Extraterritorial Jurisdiction Act (18 U.S.C. Sec. 3261, et al) (MEJA), the Uniform Code of Military Justice (10 U.S.C. Sec. 801, et al) (UCMJ), and the laws of the Host Nation. Non-US citizens may also be subject to the laws of their home country while performing in Iraq or the USCENTCOM AOR. Contractor employee status in these overlapping criminal jurisdictions may be modified from time to time by the United States, the Host Nation, or by applicable status of forces agreements.

(e) Under MEJA, a person who engages in felony misconduct outside the United States while employed by or accompanying the Armed Forces is subject to arrest, removal and prosecution in United States federal courts. Under the UCMJ, a person serving with or accompanying the Armed Forces in the field during a declared war or contingency operation may be disciplined for a criminal offense, including by referral of charges to a General Court Martial. Contractor employees may be ordered into confinement or placed under conditions that restrict movement in Iraq or within the AOR or administratively attached to a military command pending resolution of a criminal investigation.

(f) Contractors shall immediately notify the BDOC (Iraq) or military law enforcement (Afghanistan) and the Contracting Officer if they suspect an employee has committed an offense. Contractors shall take any and all reasonable and necessary measures to secure the presence of an employee suspected of a serious felony offense. Contractors shall not knowingly facilitate the departure of an employee suspected of a serious felony offense or violating the Rules for the Use of Force to depart Iraq or Afghanistan without approval from the Chief of Mission (Iraq) or the senior U.S. commander (Afghanistan).

(End of clause)

H-3	952.225-0013 (C3)	CONTRACTOR HEALTH AND SAFETY	DEC/2011
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(a) Contractors shall comply with National Electrical Code (NEC) 2008 for repairs and upgrades to existing construction and NEC 2011 standards shall apply for new construction, contract specifications, and MIL Standards/Regulations. All infrastructure to include, but not limited to, living quarters, showers, and restrooms shall be installed and maintained in compliance with these standards and must be properly supported and staffed to ensure perpetual Code compliance, prevent hazards and to quickly correct any hazards to maximize safety of those who use or work at the infrastructure.

(b) For existing employee living quarters the contractor shall provide maintenance, conduct repairs, and perform upgrades in compliance with NEC 2008 standards. For new employee living quarters, the contractor shall provide maintenance, conduct repairs, and make upgrades in compliance with NEC 2011 standards. The government has the authority to enter and inspect contractor employee living quarters at any time to ensure the prime contractor is complying with safety compliance standards.

(c) The contractor shall correct all deficiencies within a reasonable amount of time of becoming aware of the deficiency either by

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notice from the government or a third party, or by self discovery of the deficiency by the contractor. Further guidance can be found on:

UFC: [http://www.wbdg.org/ccb.browse\\_cat.php?o=29&c=4](http://www.wbdg.org/ccb.browse_cat.php?o=29&c=4)NFPA 70: <http://www.nfpa.org>NESC: <http://www.standards.ieee.org/nesc>

(End of Clause)

H-4 952.225-0016 CONTRACTOR DEMOBILIZATION -- AFGHANISTAN  
(C3)

AUG/2011

(a) Full demobilization of contractors and subcontractor(s) in the Afghanistan Combined Joint Operations Area (CJOA) is critical to responsible drawdown. The prime contractor is required to submit a demobilization plan to the Contracting Officer a minimum of 120 days prior to the end of the contract performance period or when requested by the Contracting Officer. The demobilization plan shall address, as a minimum, the following procedures detailed below. The procedures outline specific guidance to ensure a timely and responsible exit from theater. Prime contractors are responsible and accountable to ensure their subcontractor(s) at all tiers comply with responsible and timely exit from theater immediately following contract performance completion or termination.

(1) Exit from Afghanistan: The prime contractor is responsible to remain cognizant of Afghan laws regarding exit from Afghanistan. Currently, all foreigners traveling out of Afghanistan airports via commercial air transportation must have exit visas. Department of Defense, U.S. Forces-Afghanistan, Letters of Authorization (LOAs), and/or Embassy Badges are not accepted means of exiting Afghanistan. All U.S. citizens and foreign national contractors exiting via commercial means must obtain an Afghanistan exit sticker before departing the country. The exit sticker may be obtained from Ministry of Interior (MOI) office. It is the prime contractors responsibility to ensure that the most recent exit procedures are followed and to ensure that subcontractor(s) at all tiers are in compliance with exit procedures. It is to the responsibility of the contractor to work with the Embassy of Afghanistan or Afghanistan MOI as required.

(2) Letter of Authorization (LOA): The prime contractor is responsible for demobilizing its workforce, including subcontractor employees at all tiers, and all contractor owned and subcontractor owned equipment out of theater as part of the prime contractors exit strategy. This exit strategy must include reasonable timeframes starting with the end of the contract performance period and not exceeding 30 days. The Contracting Officer has the authority to extend selected LOAs up to, but not exceeding 30 calendar days after the contract completion date to allow the prime contractor to complete demobilization of its workforce and contractor owned equipment, as well as subcontractor(s) workforce and owned equipment, out of the Afghanistan CJOA. The prime contractor shall notify the Contracting Officer a minimum of 30 days prior to the end of the contract period to request up to a 30-day extension of selected LOAs beyond the contract completion date to complete demobilization. The request shall include at a minimum:

(i) the name of each individual requiring a new LOA;

(ii) the number of days for the LOA (no more than 30 calendar days); and

(iii) justification for the request (e.g., what function the individual(s) will be performing during the demobilization period).

The Contracting Officer may request additional information for an LOA extension. Any LOA extension granted beyond the contract completion date shall not exceed 30 days and the contractor is not entitled to additional compensation for this period. If approved by the Contracting Officer, this is a no cost extension of an employees LOA due to demobilization and in no way is an extension of the contract performance period.

(3) Badging: The prime contractor is responsible to ensure all employee badges, including subcontractor employees at all tiers, are returned to the local Access Control Badging Office for de-activation and destruction. The prime contractor shall submit a Badge Termination Report to ensure each record is flagged and the badge is revoked. If a prime and/or subcontractor employees badge is not returned, the prime contractor shall submit a Lost, Stolen or Unrecovered Badge Report to the appropriate Access Control Badging Office. Contractor employees in possession of a Common Access Card (CAC) shall be responsible for turning in the CAC upon re-deployment through a CONUS Replacement Center in the U.S. Failure to return employee badges in a timely manner may result in delay of final payment.

(4) Contractor Controlled Facility Space: If the prime contractor has entered into a Memorandum of Understanding with the Installation Mayor or Garrison for site space, buildings, facilities, and/or Containerized Housing Units (CHU) to house prime and/or subcontractor employees (at all tiers), the prime contractor is responsible to notify the Installation Mayor or Garrison Commander of intent to vacate at least 90 calendar days prior to the end of the contract performance period. All United States Government (USG) provided property in the prime contractors possession must be returned to the USG in satisfactory condition. The prime contractor is responsible and liable for any and all damages to USG property caused by prime and/or subcontractor employees, and shall be further liable for all cleanup, clearing, and/or environmental remediation expenses incurred by the USG in returning prime contractor and/or subcontractor facilities including surrounding site to a satisfactory condition, including expenses incurred in physically moving property, trash, and refuse from such premises, removing/ remediating hazardous wastes on the premises, and repairing structures,

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buildings, and facilities used by the prime contractor and/or subcontractor. The prime contractor shall provide notification to the Installation Mayor or Garrison Commander to perform an inspection of all facilities as soon as practicable, but no more than 30 days, after the end of the contract period. If damages are discovered, the prime contractor shall make the necessary repairs. The prime contractor shall notify the Installation Mayor or Garrison Commander for re-inspection of the facilities upon completion of the repairs. If the Installation Mayor or Garrison Commander inspects the property, site space, buildings, facilities, and/or CHUs and finds they have not been properly cleaned, cleared, and/or environmentally remediated, or if the prime contractor fails to repair any damages within 30 calendar days after the end of the contract performance period, the final contract payment shall be reduced by the amount of the specified damages/repairs or the expenses incurred by the USG to properly clean, clear, and/or environmentally remediate the premises.

(5) Government Furnished Equipment/Materials: The prime contractor is responsible to return all USG furnished equipment, as defined in Federal Acquisition Regulation (FAR) Part 45, clauses 52.245-1, if included in the contract. Prime contractors who are not in compliance with the FAR, Defense Federal Acquisition Regulation Supplement, Department of Defense Directives and Instructions, policies, or procedures will be responsible and liable for damages to the government property. The prime contractor may apply for a relief of responsibility from the Contracting Officer anytime during the contract performance period. A joint inventory shall be conducted of the equipment by the prime contractor, USG representative, and the Contracting Officer or their representative, within 10 calendar days after the end of the contract performance period. The prime contractor shall report lost, damaged or destroyed property immediately to the Contracting Officer, but no later than the joint inventory at the end of the contract period. If the prime contractor fails to report lost, damaged or destroyed equipment or materials during the contract performance period, the prime contractor shall be responsible for the replacement and/or repair of the equipment or materials. The replaced equipment shall be new, of the same quality, and shall perform at the same functional level as the missing piece of equipment. If the prime contractor fails to repair and/or replace damaged or missing equipment, the final payment shall be reduced by the appropriate amount of the specified damages or cost to replace missing equipment with new.

(6) Contractor Personal Property: The contractor is advised that all personal property left on the respective installation after the date of departure of said premises, shall be sold or otherwise disposed of in accordance with 10 U.S.C. \a7 2575.

(i) A request for the return of the property will be honored, if feasible, and if received before the expiration of the period of time allowed to vacate the installation.

(ii) If abandoned property is left on the respective installation, contractual remedies may be enforced against the contractor, (See paragraph (b) of this clause for potential contractual remedies). Additionally, even if the contractor waives its interest to all abandoned personal property, the contractor may still be liable for all costs incurred by the USG to remove or dispose of the abandoned property.

(iii) The contractor hereby authorizes the USG authority to dispose of any and all abandoned personal property in any manner the USG may deem suitable and hereby releases and discharges the USG and its agents from any and all claims and demands whatsoever that could otherwise be asserted because of the disposition of said abandoned personal property.

(7) Synchronized Predeployment Operational Tracker (SPOT): The prime contractor is responsible to close out the deployment of personnel, including subcontractor employees at all tiers, at the end of the contract completion period and to release the personnel from the prime contractors company in the SPOT database. The release of employee information must be accomplished no more than 30 calendar days after the end of the contract completion date.

(8) Accountability of Prime and Subcontractor Personnel: Whether specifically written into the contract or not, it is the expectation of the USG that for any persons brought into the Afghanistan CJOA for the sole purposes of performing work on USG contracts, contract employers will return employees to their point of origin/home country once the contract is completed or their employment is terminated for any reason. If the prime contractor fails to re-deploy an employee, or subcontractor employee at any tier, the USG shall notify the applicable U.S. Embassy to take appropriate action. Failure by the prime contractor to re-deploy its personnel, including subcontractor personnel at any tier, at the end of the contract completion date, could result in the contractor being placed on the Excluded Parties List System (EPLS) and not be allowed to propose on future U.S. contracts anywhere in the world.

(9) Personnel Recovery: Any DoD contractor with unaccounted for employees shall follow the instructions in the Contractor Accountability and Personnel Recovery Clause 952.225-20. The contractor may use the Contracting Fusion Cell as a resource to track or research employees last known location and/or to view LOAs.

(b) CENTCOM - Joint Theater Support Contracting Command (C-JTSCC) and external agencies will utilize all available contracting remedies to guarantee compliance with demobilization requirements. Such actions include, but are not limited to withholding payment, issuing a cure notice, issuing a negative Contractor Performance Assessment Reporting System (CPARS) evaluation, reduction of award fee, debarment, reimbursement of U.S. Government expenses, and/or any other legal remedy available to a contracting officer. The USG reserves the right to withhold payment from the prime contractor not in compliance with the above procedures included herein. Additionally, the Contracting Officer shall document all unresolved contractor compliance issues in CPARS, which shall have an adverse past performance affect on future contracts with the USG, anywhere in the world.

(End of Clause)

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H-5            952.225-0020            CONTRACTOR ACCOUNTABILITY AND PERSONNEL RECOVERY (AFGHANISTAN)            AUG/2011  
(C3)

(a) Contract performance may require work in dangerous or austere conditions. Except as otherwise provided in the contract, the contractor accepts the risks associated with required contract performance in such operations.

(1) Unaccounted Personnel: It is the expectation of the USG that any contractor brought into Afghanistan for the sole purposes of performance of work on a USG contract must be accounted for at all times by their respective employers. Additionally, contractors who maintain living quarters on a USG base shall verify the location of each of its employees living quarters a minimum of once a month. If a DoD contracted employee becomes missing and evidence does not indicate foul play, a Personnel Recovery (PR) event is NOT automatically triggered. Such an event will be treated as an accountability battle drill by the employers chain of command or civilian equivalent.

(2) Contractor Responsibilities: The contractor is responsible to take all necessary steps to locate and investigate the unaccounted for employee(s) whereabouts to the maximum extent practicable. To assist in this process, contractors may use the Contracting Fusion Cell as a resource to track or research employees last known location and/or to view LOAs. All missing personnel will be immediately reported to the installation division Personnel Recovery Officer (PRO), Mayors cell, Military Police Station and/or the Criminal Investigative Division, and the Base Defense Operations Center (BDOC).

(3) Contractor Provided Information: If it is determined that a potential criminal act has occurred, the USD PRO (or USFOR-A Personnel Recovery Division (PRD) with prior coordination) will attempt to validate the missing persons identity through the employer. The contractor shall provide the information to PRD within 12 hours of request. The required information the contractor should keep on file includes but is not limited to: copy of the individuals Letter of Authorization generated by the Synchronized Pre-deployment and Operational Tracker System (SPOT), copy of passport and visas, housing information of where the individual resides such as room number and location, DD Form 93, Record of Emergency Data, copy of badging, and contact information for known friends or associates.

(b) If USFOR-A PRD determines through investigation that the unaccounted personnel have voluntarily left the installation either seeking employment with another contractor or other non-mission related reasons, PRD will notify the contractor. The contractor shall ensure that all government-related documents such as LOAs, visas, etc. are terminated/reconciled appropriately within 24 hours of notification by PRD in accordance with subparagraph (a)(8) of C-JTSCC Clause 952.225-0016 entitled Contractor Demobilization (Afghanistan). Contractors who fail to account for their personnel or whose employees create PR events will be held in breach of their contract and face all remedies available to the Contracting Officer.

(End of Clause)

H-6            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](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

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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](mailto:usarmy.detroit.acc.mbx.wrn-web-page@mail.mil) or by calling (586) 282-7059.

H-7            52.216-4008            STATUS OF FUNDS ON COST REIMBURSEMENT CONTRACTS/CLINS            JUN/1989  
(TACOM)

(a) The Contractor shall review the funding as it relates to work performed on the cost-reimbursement Contract Line Item Numbers (CLINs) under this contract and shall provide to the Procuring Contracting Officer (PCO) a written determination of what, if any, funds are excess to requirements (leaving a reasonable amount for final overhead rate negotiations and other reasonably predicted requirements) and are available for deobligation. This review shall be coordinated with the Administrative Contracting Officer (ACO), and the written determination shall be accomplished within 120 days of completion of performance under the CLIN. The report shall be prepared in terms of dollars available per Purchase Request Order Number (PRON), unless requested otherwise by the PCO.

(b) This report may be requested in writing by the PCO on additional occasions during the course of performance of work on cost-reimbursable CLINs contained in this contract. On such occasions, the written report shall be provided to the PCO within 14 days of Contractor receipt of the written request.

(End of clause)

H-8            52.225-4005            INVITED CONTRACTOR OR TECHNICAL REPRESENTATIVE STATUS UNDER U.S.-            AUG/2012  
(TACOM)            REPUBLIC OF KOREA (ROK) STATUS OF FORCES AGREEMENT (SOFA)

Invited Contractor (IC) and Technical Representative (TR) status shall be governed by the U.S.-ROK Status of Forces Agreement (SOFA) as implemented by United States Forces Korea (USFK) Reg 700-19, which can be found under the publications tab on the US Forces Korea homepage <http://www.usfk.mil>

(a) Definitions. As used in this clause

U.S. ROK Status of Forces Agreement (SOFA) means the Mutual Defense Treaty between the Republic of Korea and the U.S. of America, Regarding Facilities and Areas and the Status of U.S. Armed Forces in the Republic of Korea, as amended

Combatant Commander means the commander of a unified or specified combatant command established in accordance with 10 U.S.C. 161. In Korea, the Combatant Commander is the Commander, United States Pacific Command.

United States Forces Korea (USFK) means the subordinate unified command through which US forces would be sent to the Combined Forces Command fighting components.

COMUSK means the commander of all U.S. forces present in Korea. In the Republic of Korea, COMUSK also serves as Commander, Combined Forces Command (CDR CFC) and Commander, United Nations Command (CDR UNC).

USFK, Assistant Chief of Staff, Acquisition Management (USFK/FKAQ) means the principal staff office to USFK for all acquisition matters and administrator of the U.S.-ROK SOFA as applied to US and Third Country contractors under the Invited Contractor (IC) and Technical Representative (TR) Program (USFK Reg 700-19).

Responsible Officer (RO) means a senior DOD employee (such as a military E5 and above or civilian GS-7 and above), appointed by the USFK Sponsoring Agency (SA), who is directly responsible for determining and administering appropriate logistics support for IC/TRs during contract performance in the ROK.

(b) IC or TR status under the SOFA is subject to the written approval of USFK, Assistant Chief of Staff, Acquisition Management (FKAQ), Unit #15237, APO AP 96205-5237.

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(c) The contracting officer will coordinate with HQ USFK/FKAQ, IAW FAR 25.8, and USFK Reg 700-19. FKAQ will determine the appropriate contractor status under the SOFA and notify the contracting officer of that determination.

(d) Subject to the above determination, the contractor, including its employees and lawful dependents, may be accorded such privileges and exemptions under conditions and limitations as specified in the SOFA and USFK Reg 700-19. These privileges and exemptions may be furnished during the performance period of the contract, subject to their availability and continued SOFA status. Logistics support privileges are provided on an as-available basis to properly authorized individuals. Some logistics support may be issued as Government Furnished Property or transferred on a reimbursable basis.

(e) The contractor warrants and shall ensure that collectively, and individually, its officials and employees performing under this contract will not perform any contract, service, or other business activity in the ROK, except under U.S. Government contracts and that performance is IAW the SOFA.

(f) The contractors direct employment of any Korean-National labor for performance of this contract shall be governed by ROK labor law and USFK regulation(s) pertaining to the direct employment and personnel administration of Korean National personnel.

(g) The authorities of the ROK have the right to exercise jurisdiction over invited contractors and technical representatives, including contractor officials, employees and their dependents, for offenses committed in the ROK and punishable by the laws of the ROK. In recognition of the role of such persons in the defense of the ROK, they will be subject to the provisions of Article XXII, SOFA, related Agreed Minutes and Understandings. In those cases in which the authorities of the ROK decide not to exercise jurisdiction, they shall notify the U.S. military authorities as soon as possible. Upon such notification, the military authorities will have the right to exercise jurisdiction as is conferred by the laws of the U.S.

(h) Invited contractors and technical representatives agree to cooperate fully with the USFK Sponsoring Agency (SA) and Responsible Officer (RO) on all matters pertaining to logistics support and theater training requirements. Contractors will provide the assigned SA prompt and accurate reports of changes in employee status as required by USFK Reg 700-19.

(i) Theater Specific Training. Training Requirements for IC/TR personnel shall be conducted in accordance with USFK Reg 350-2 Theater Specific Required Training for all Arriving Personnel and Units Assigned to, Rotating to, or in Temporary Duty Status to USFK. IC/TR personnel shall comply with requirements of USFK Reg 350-2.

(j) Except for contractor air crews flying Air Mobility Command missions, all U.S. contractors performing work on USAF classified contracts will report to the nearest Security Forces Information Security Section for the geographical area where the contract is to be performed to receive information concerning local security requirements.

(k) Invited Contractor and Technical Representative status may be withdrawn by USFK/FKAQ upon:

(1) Completion or termination of the contract.

(2) Determination that the contractor or its employees are engaged in business activities in the ROK other than those pertaining to U.S. armed forces.

(3) Determination that the contractor or its employees are engaged in practices in contravention to Korean law or USFK regulations.

(1) It is agreed that the withdrawal of invited contractor or technical representative status, or the withdrawal of, or failure to provide any of the privileges associated therewith by the U.S. and USFK, shall not constitute grounds for excusable delay by the contractor in the performance of the contract and will not justify or excuse the contractor defaulting in the performance of this contract. Furthermore, it is agreed that withdrawal of SOFA status for reasons outlined in USFK Reg 700-19, Chapter 2-6 shall not serve as a basis for the contractor filing any claims against the U.S. or USFK. Under no circumstance shall the withdrawal of SOFA Status or privileges be considered or construed as a breach of contract by the U.S. Government.

(m) Support.

(1) Unless the terms and conditions of this contract place the responsibility with another party, the COMUSK will develop a security plan to provide protection, through military means, of Contractor personnel engaged in the theater of operations when sufficient or legitimate civilian authority does not exist.

(2)(i) All Contractor personnel engaged in the theater of operations are authorized resuscitative care, stabilization, hospitalization at level III military treatment facilities, and assistance with patient movement in emergencies where loss of life, limb, or eyesight could occur. Hospitalization will be limited to stabilization and short-term medical treatment with an emphasis on return to duty or placement in the patient movement system.

(ii) When the Government provides medical or emergency dental treatment or transportation of Contractor personnel to a selected civilian facility, the Contractor shall ensure that the Government is reimbursed for any costs associated with such treatment or transportation.

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(iii) Medical or dental care beyond this standard is not authorized unless specified elsewhere in this contract.

(3) Unless specified elsewhere in this contract, the Contractor is responsible for all other support required for its personnel engaged in the theater of operations under this contract.

(n) Compliance with laws and regulations. The Contractor shall comply with, and shall ensure that its personnel supporting U.S Armed Forces in the Republic of Korea as specified in paragraph (b)(1) of this clause are familiar with and comply with, all applicable

(1) United States, host country, and third country national laws;

(2) Treaties and international agreements;

(3) United States regulations, directives, instructions, policies, and procedures; and

(4) Orders, directives, and instructions issued by the COMUSK relating to force protection, security, health, safety, or relations and interaction with local nationals. Included in this list are force protection advisories, health advisories, area (i.e. off-limits), prostitution and human trafficking and curfew restrictions.

(o) Vehicle or equipment licenses. IAW USFK Regulation 190-1, Contractor personnel shall possess the required licenses to operate all vehicles or equipment necessary to perform the contract in the theater of operations. All contractor employees/dependents must have either a Korean drivers license or a valid international drivers license to legally drive on Korean roads, and must have a USFK drivers license to legally drive on USFK installations. Contractor employees/dependents will first obtain a Korean drivers license or a valid international drivers license then obtain a USFK drivers license.

(p) Evacuation.

(1) If the COMUSK orders a non-mandatory or mandatory evacuation of some or all personnel, the Government will provide assistance, to the extent available, to United States and third country national contractor personnel.

(2) Non-combatant Evacuation Operations (NEO).

(i) The contractor shall designate a representative to provide contractor personnel and dependents information to the servicing NEO warden as required by direction of the Responsible Officer.

(ii) If contract period of performance in the Republic of Korea is greater than six months, non emergency essential contractor personnel and all IC/TR dependents shall participate in at least one USFK sponsored NEO exercise per year.

(q) Next of kin notification and personnel recovery.

(1) The Contractor shall be responsible for notification of the employee-designated next of kin in the event an employee dies, requires evacuation due to an injury, or is missing, captured, or abducted.

(2) In the case of missing, captured, or abducted contractor personnel, the Government will assist in personnel recovery actions in accordance with DOD Directive 2310.2, Personnel Recovery.

(3) IC/TR personnel shall accomplish Personnel Recovery/Survival, Evasion, Resistance and Escape (PR/SERE) training in accordance with USFK Reg 525-40, Personnel Recovery Procedures and USFK Reg 350-2 Theater Specific Required Training for all Arriving Personnel and Units Assigned to, Rotating to, or in Temporary Duty Status to USFK.

(r) Mortuary affairs. Mortuary affairs for contractor personnel who die while providing support in the theater of operations to U.S. Armed Forces will be handled in accordance with DOD Directive 1300.22, Mortuary Affairs Policy and Army Regulation 638-2, Care and Disposition of Remains and Disposition of Personal Effects.

(s) USFK Responsible Officer (RO). The USFK appointed RO will ensure all IC/TR personnel complete all applicable training as outlined in this clause.

(End of Clause)

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H-9                    52.225-4006                    CONTINUANCE OF PERFORMANCE DURING ANY STATE OF EMERGENCY IN THE                    AUG/2012  
(TACOM)                    REPUBLIC OF KOREA (ROK)

Invited Contractor (IC) and Technical Representative (TR) status shall be governed by the U.S.-ROK Status of Forces Agreement (SOFA) as implemented by United States Forces Korea (USFK) Reg 700-19, which can be found under the publications tab on the US Forces Korea homepage <http://www.usfk.mil>

(a) Definitions. As used in this clause

U.S. ROK Status of Forces Agreement (SOFA) means the Mutual Defense Treaty between the Republic of Korea and the U.S. of America, Regarding Facilities and Areas and the Status of U.S. Armed Forces in the Republic of Korea, as amended

Combatant Commander means the commander of a unified or specified combatant command established in accordance with 10 U.S.C. 161. In Korea, the Combatant Commander is the Commander, United States Pacific Command.

United States Forces Korea (USFK) means the subordinate unified command through which US forces would be sent to the Combined Forces Command fighting components.

COMUSK means the commander of all U.S. forces present in Korea. In the Republic of Korea, COMUSK also serves as Commander, Combined Forces Command (CDR CFC) and Commander, United Nations Command (CDR UNC).

USFK, Assistant Chief of Staff, Acquisition Management (USFK/FKAQ) means the principal staff office to USFK for all acquisition matters and administrator of the U.S.-ROK SOFA as applied to US and Third Country contractors under the Invited Contractor (IC) and Technical Representative (TR) Program (USFK Reg 700-19).

Responsible Officer (RO) means A senior DOD employee (such as a military E5 and above or civilian GS-7 and above), appointed by the USFK Sponsoring Agency (SA), who is directly responsible for determining and administering appropriate logistics support for IC/TRs during contract performance in the ROK.

Theater of operations means an area defined by the combatant commander for the conduct or support of specified operations.

Uniform Code of Military Justice means 10 U.S.C. Chapter 47

(b) General.

(1) This clause applies when contractor personnel deploy with or otherwise provide support in the theater of operations (specifically, the Korean Theater of Operations) to U.S. military forces deployed/located outside the United States in

(i) Contingency operations;

(ii) Humanitarian or peacekeeping operations; or

(iii) Other military operations or exercises designated by the Combatant Commander.

(2) Contract performance in support of U.S. military forces may require work in dangerous or austere conditions. The Contractor accepts the risks associated with required contract performance in such operations. The contractor will require all its employees to acknowledge in writing that they understand the danger, stress, physical hardships and field living conditions that are possible if the employee deploys in support of military operations.

(3) Contractor personnel are not combatants and shall not undertake any role that would jeopardize their status. Contractor personnel shall not use force or otherwise directly participate in acts likely to cause actual harm to enemy armed forces.

(c) Support.

(1) Unless the terms and conditions of this contract place the responsibility with another party, the COMUSK will develop a security plan to provide protection, through military means, of Contractor personnel engaged in the theater of operations when sufficient or legitimate civilian authority does not exist.

(2)(i) All Contractor personnel engaged in the theater of operations are authorized resuscitative care, stabilization, hospitalization at level III military treatment facilities, and assistance with patient movement in emergencies where loss of life, limb, or eyesight could occur. Hospitalization will be limited to stabilization and short-term medical treatment with an emphasis on return to duty or placement in the patient movement system.

(ii) When the Government provides medical treatment or transportation of Contractor personnel to a selected civilian facility, the Contractor shall ensure that the Government is reimbursed for any costs associated with such treatment or transportation.

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(iii) Medical or dental care beyond this standard is not authorized unless specified elsewhere in this contract.

(3) Unless specified elsewhere in this contract, the Contractor is responsible for all other support required for its personnel engaged in the theater of operations under this contract.

(d) Compliance with laws and regulations. The Contractor shall comply with, and shall ensure that its personnel supporting U.S Armed Forces in the Republic of Korea as specified in paragraph (b)(1) of this clause are familiar with and comply with, all applicable

(1) United States, host country, and third country national laws;

(i) The Military Extraterritorial Jurisdiction Act may apply to contractor personnel if contractor personnel commit crimes outside the United States.

(ii) Under the War Crimes Act, United States citizens (including contractor personnel) who commit war crimes may be subject to federal criminal jurisdiction.

(iii) When Congress formally declares war, contractor personnel authorized to accompany the force may be subject to the Uniform Code of Military Justice.

(2) Treaties and international agreements;

(3) United States regulations, directives, instructions, policies, and procedures; and

(4) Orders, directives, and instructions issued by the COMUSK relating to force protection, security, health, safety, or relations and interaction with local nationals. Included in this list are force protection advisories, health advisories, area (i.e. off-limits), prostitution and human trafficking and curfew restrictions.

(e) Pre-deployment/departure requirements. The Contractor shall ensure that the following requirements are met prior to deploying/locating personnel in support of U.S. military forces in the Republic of Korea. Specific requirements for each category may be specified in the statement of work or elsewhere in the contract.

(1) All required security and background checks are complete and acceptable.

(2) All contractor personnel meet the minimum medical screening requirements and have received all required immunizations as specified in the contract. In the Republic of Korea, all contractor employees subject to this clause shall comply with the same DoD immunization requirements applicable to Emergency Essential DoD civilians INCLUDING ANTHRAX IMMUNIZATION. The Government will provide, at no cost to the Contractor, any Korean theater-specific immunizations and/or medications not available to the general public.

(3) Contractor personnel have all necessary passports, visas, and other documents required to enter and exit a theater of operations and have a Geneva Conventions identification card from the deployment center or CONUS personnel office if applicable.

(4) Country and theater clearance is obtained for contractor personnel. Clearance requirements are in DOD Directive 4500.54, Official Temporary Duty Abroad, DOD 4500.54-G, DOD Foreign Clearance Guide, and USFK Reg 1-40, United States Forces Korea Travel Clearance Guide. Contractor personnel are considered non-DOD personnel traveling under DOD sponsorship.

(f) Processing and departure points. Deployed contractor personnel shall

(1) Under contingency conditions or under other conditions as specified by the Contracting Officer, process through the deployment center designated in the contract, prior to deploying. The deployment center will conduct deployment processing to ensure visibility and accountability of contractor personnel and to ensure that all deployment requirements are met;

(2) Use the point of departure and transportation mode directed by the Contracting Officer; and

(3) If processing through a deployment center, process through a Joint Reception Center (JRC) upon arrival at the deployed location. The JRC will validate personnel accountability, ensure that specific theater of operations entrance requirements are met, and brief contractor personnel on theater-specific policies and procedures.

(g) Personnel data list.

(1) The Contractor shall establish and maintain with the designated Government official a current list of all contractor personnel that deploy with or otherwise provide support in the theater of operations to U.S. military forces as specified in paragraph (b)(1) of this clause. The Synchronized Predeployment and Operational Tracker (SPOT) is the designated automated system to use for this effort. This accountability requirement is separate and distinct from the personnel accountability requirement listed in the U.S.ROK SOFAs Invited Contractor/Technical Representative Program (as promulgated in USFK Regulation 700-19).

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(2) The Contractor shall ensure that all employees on the list have a current DD Form 93, Record of Emergency Data Card, on file with both the Contractor and the designated Government official.

(h) Contractor personnel.

(1) The Contracting Officer may direct the Contractor, at its own expense, to remove and replace any contractor personnel who jeopardize or interfere with mission accomplishment or who fail to comply with or violate applicable requirements of this clause. Contractors shall replace designated personnel within 72 hours, or at the Contracting Officers direction. Such action may be taken at the Governments discretion without prejudice to its rights under any other provision of this contract, including the Termination for Default clause.

(2) The Contractor shall have a plan on file showing how the Contractor would replace employees who are unavailable for deployment or who need to be replaced during deployment. The Contractor shall keep this plan current and shall provide a copy to the Contracting Officer and USFK Sponsoring Agency (see USFK Reg 700-19) upon request. The plan shall

(i) Identify all personnel who are subject to U.S. or Republic of Korea military mobilization;

(ii) Identify any exemptions thereto;

(iii) Detail how the position would be filled if the individual were mobilized; and

(iv) Identify all personnel who occupy a position that the Contracting Officer has designated as mission essential.

(i) Military clothing and protective equipment.

(1) Contractor personnel supporting a force deployed outside the United States as specified in paragraph (b)(1) of this clause are prohibited from wearing military clothing unless specifically authorized in writing by the COMUSK. If authorized to wear military clothing, contractor personnel must wear distinctive patches, arm bands, nametags, or headgear, in order to be distinguishable from military personnel, consistent with force protection measures and the Geneva Conventions.

(2) Contractor personnel may wear military-unique organizational clothing and individual equipment (OCIE) required for safety and security, such as ballistic, nuclear, biological, or chemical protective clothing.

(3) The deployment center, the Combatant Commander, or the Sponsoring Agency shall issue OCIE and shall provide training, if necessary, to ensure the safety and security of contractor personnel.

(4) The Contractor shall ensure that all issued OCIE is returned to the point of issue, unless otherwise directed by the Contracting Officer.

(j) Weapons.

(1) If the Contractor requests that its personnel performing in the theater of operations be authorized to carry weapons, the request shall be made through the Contracting Officer to the COMUSK. The COMUSK will determine whether to authorize in-theater contractor personnel to carry weapons and what weapons will be allowed.

(2) The Contractor shall ensure that its personnel who are authorized to carry weapons

(i) Are adequately trained;

(ii) Are not barred from possession of a firearm by 18 U.S.C. 922; and

(iii) Adhere to all guidance and orders issued by the COMUSK regarding possession, use, safety, and accountability of weapons and ammunition.

(iv) The use of deadly force by persons subject to this clause shall be made only in self-defense, except:

(v) Persons subject to this clause who primarily provide private security are authorized to use deadly force only as defined in the terms and conditions of this contract in accordance with USFK regulations and policies (especially, USFK Regulation 190-50).

(vi) Liability for the use of any weapon by persons subject to this clause is solely the responsibility of the individual person and the contractor.

(3) Upon redeployment or revocation by the COMUSK of the Contractors authorization to issue firearms, the Contractor shall ensure that all Government-issued weapons and unexpended ammunition are returned as directed by the Contracting Officer.

(k) Evacuation. In the event of a non-mandatory evacuation order, unless authorized in writing by the Contracting Officer, the

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Contractor shall maintain personnel on location sufficient to meet obligations under this contract.

(l) Theater Specific Training. Training Requirements for IC/TR personnel shall be conducted in accordance with USFK Reg 350-2 Theater Specific Required Training for all Arriving Personnel and Units Assigned to, Rotating to, or in Temporary Duty Status to USFK.

(m) USFK Responsible Officer (RO). The USFK appointed RO will ensure all IC/TR personnel complete all applicable training as outlined in this clause.

(n) Changes. In addition to the changes otherwise authorized by the Changes clause of this contract, the Contracting Officer may, at any time, by written order identified as a change order, make changes in Government-furnished facilities, equipment, material, services, or site. Any change order issued in accordance with this paragraph shall be subject to the provisions of the Changes clause of this contract.

(o) Subcontracts. The Contractor shall incorporate the substance of this clause, including this paragraph, in all subcontracts that require subcontractor personnel to be available to deploy with or otherwise provide support in the theater of operations to U.S. military forces deployed/stationed outside the United States in

(1) Contingency operations;

(2) Humanitarian or peacekeeping operations; or

(3) Other military operations or exercises designated by the Combatant Commander.

(p) The Contracting Officer will discern any additional GFE, GFP or logistical support necessary to facilitate the performance of the enhanced requirement or necessary for the protection of contractor personnel. These items will be furnished to the Contractor at the sole discretion of the Contracting Officer and may be provided only on a reimbursable basis.

(End of Clause)

H-10            52.225-4040            ARMY MATERIEL COMMAND (AMC) ADMINISTRATIVE REQUIREMENTS FOR DEPLOYED            JUN/2005  
(TACOM)            CONTRACTORS

(a) In order to maintain accountability of all deployed personnel in the Theater of Operations (see DFARS clause 252.225-7040 for definition), the Contractor shall follow instructions issued by the Army Materiel Commands Logistics Support Element (AMC LSE) or other Contracting Officers designated representative to provide, and keep current, requested data on Contractor Personnel for entry into military personnel database systems.

(b) The Contractor shall coordinate with the AMC LSE or other Contracting Officers designated representative for logistics support, as follows:

(1) Upon initial entry into the Theatre of Operations;

(2) Upon initiation of contract performance;

(3) Upon relocation of contract performance within the Theatre of Operations; and

(4) Upon exiting the Theatre of Operations.

[End of Clause]

H-11            52.245-4000            ACCOUNTABILITY OF ITEMS UNDER OVERHAUL/MAINTENANCE/REPAIR CONTRACTS            MAR/2013  
(TACOM)

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

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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 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](mailto: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](mailto:usarmy.detroit.tacom.mbx.ilsc-mca@mail.mil) for GFM or [usarmy.detroit.tacom.mbx.ilsc-gvt-furnished-property-team@mail.mil](mailto: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](mailto: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]

H-12 52.246-4026 LOCAL ADDRESSES FOR DD FORM 250 AND WAWF RECEIVING REPORTS AUG/2010

(a) We may require copies of the Wide Area Work Flow (WAWF) Receiving Report, Bills of Lading, or other documentation to resolve delinquencies, payment issues, or other administrative issues. If this documentation is requested, use the same email address or fax number shown in paragraph (b) below to submit the information. No copies of the WAWF Receiving Report are required unless specifically requested by the PCO, buyer, or other appropriate government official.

(b) For those rare cases where the Material Inspection and Receiving Report (DD 250) is used to process receiving reports for inspection, acceptance, and payment, use one of the following methods to send each DD 250 pertaining to this contract to us:

(1) E-mail [DAMI\\_DD250@conus.army.mil](mailto:DAMI_DD250@conus.army.mil)

(2) Datafax using this fax number: (586) 282-7788 and use "DD250 mailbox" in the "to:" block of your fax cover or header sheet.

In either method (email or fax), do not mix DD250s from more than one contract in a single transmission. That is, you may submit multiple DD250s in a single transmission, but they must all be against the same contract. These copies meet the requirements for the Purchasing Office copy and the Army Inventory Control Manager copy listed in tables 1 and 2 of DFARS Appendix F. The DD250 form may be found, in three different formats, on the World Wide Web at <http://www.dtic.mil/whs/directives/infomgt/forms/forminfo/forminfo2126.html>

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[End of Clause]

H.1 SECURITY REQUIREMENTS - The contractor shall comply with the Security Classification DD Form 254, Attachment 001.

\*\*\* END OF NARRATIVE H0001 \*\*\*

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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	JAN/2012
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	52.203-13	CONTRACTOR CODE OF BUSINESS ETHICS AND CONDUCT	APR/2010
I-10	52.204-2	SECURITY REQUIREMENTS	AUG/1996
I-11	52.204-4	PRINTED OR COPIED DOUBLE-SIDED ON POSTCONSUMER FIBER CONTENT PAPER	MAY/2011
I-12	52.204-9	PERSONAL IDENTITY VERIFICATION OF CONTRACTOR PERSONNEL	JAN/2011
I-13	52.204-10	REPORTING EXECUTIVE COMPENSATION AND FIRST-TIER SUBCONTRACT AWARDS	JUN/2013
I-14	52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT	DEC/2010
I-15	52.210-1	MARKET RESEARCH	APR/2011
I-16	52.211-15	DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS	APR/2008
I-17	52.215-2	AUDIT AND RECORDS--NEGOTIATIONS	OCT/2010
I-18	52.215-8	ORDER OF PRECEDENCE--UNIFORM CONTRACT FORMAT	OCT/1997
I-19	52.215-10	PRICE REDUCTION FOR DEFECTIVE CERTIFIED COST OR PRICING DATA	AUG/2011
I-20	52.215-12	SUBCONTRACTOR CERTIFIED COST OR PRICING DATA	OCT/2010
I-21	52.215-14	INTEGRITY OF UNIT PRICES (OCT 2010) -- ALTERNATE I (OCT 1997)	OCT/1997
I-22	52.215-15	PENSION ADJUSTMENTS AND ASSET REVERSIONS	OCT/2010
I-23	52.215-18	REVERSION OR ADJUSTMENT OF PLANS FOR POSTRETIREMENT BENEFITS (PRB) OTHER THAN PENSIONS	JUL/2005
I-24	52.215-23	LIMITATIONS ON PASS-THROUGH CHARGES	OCT/2009
I-25	52.216-8	FIXED FEE	JUN/2011
I-26	52.219-8	UTILIZATION OF SMALL BUSINESS CONCERNS	JAN/2011
I-27	52.219-9	SMALL BUSINESS SUBCONTRACTING PLAN	JAN/2011
I-28	52.219-16	LIQUIDATED DAMAGES--SUBCONTRACTING PLAN	JAN/1999
I-29	52.222-1	NOTICE TO THE GOVERNMENT OF LABOR DISPUTES	FEB/1997
I-30	52.222-19	CHILD LABOR--COOPERATION WITH AUTHORITIES AND REMEDIES	MAR/2012
I-31	52.222-21	PROHIBITION OF SEGREGATED FACILITIES	FEB/1999
I-32	52.222-26	EQUAL OPPORTUNITY	MAR/2007
I-33	52.222-35	EQUAL OPPORTUNITY FOR VETERANS	SEP/2010
I-34	52.222-36	AFFIRMATIVE ACTION FOR WORKERS WITH DISABILITIES	OCT/2010
I-35	52.222-37	EMPLOYMENT REPORTS ON VETERANS	SEP/2010
I-36	52.222-40	NOTIFICATION OF EMPLOYEE RIGHTS UNDER THE NATIONAL LABOR RELATIONS ACT	DEC/2010
I-37	52.222-41	SERVICE CONTRACT ACT OF 1965	NOV/2007
I-38	52.222-50	COMBATING TRAFFICKING IN PERSONS	FEB/2009
I-39	52.222-54	EMPLOYMENT ELIGIBILITY VERIFICATION	JUL/2012
I-40	52.223-5	POLLUTION PREVENTION AND RIGHT-TO-KNOW INFORMATION	MAY/2011
I-41	52.223-6	DRUG-FREE WORKPLACE	MAY/2001
I-42	52.223-12	REFRIGERATION EQUIPMENT AND AIR CONDITIONERS	MAY/1995
I-43	52.223-18	ENCOURAGING CONTRACTOR POLICIES TO BAN TEXT MESSAGING WHILE DRIVING	AUG/2011
I-44	52.225-13	RESTRICTIONS ON CERTAIN FOREIGN PURCHASES	JUN/2008
I-45	52.225-14	INCONSISTENCY BETWEEN ENGLISH VERSION AND TRANSLATION OF CONTRACT	FEB/2000
I-46	52.227-1	AUTHORIZATION AND CONSENT	DEC/2007
I-47	52.227-2	NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT	DEC/2007
I-48	52.227-10	FILING OF PATENT APPLICATIONS--CLASSIFIED SUBJECT MATTER	DEC/2007

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I-49	52.228-3	WORKERS' COMPENSATION INSURANCE (DEFENSE BASE ACT)	APR/1984
I-50	52.228-4	WORKERS' COMPENSATION AND WAR-HAZARD INSURANCE OVERSEAS	APR/1984
I-51	52.228-7	INSURANCE--LIABILITY TO THIRD PERSONS	MAR/1996
I-52	52.229-3	FEDERAL, STATE, AND LOCAL TAXES	FEB/2013
I-53	52.229-4	FEDERAL, STATE, AND LOCAL TAXES (STATE AND LOCAL ADJUSTMENTS)	FEB/2013
I-54	52.230-6	ADMINISTRATION OF COST ACCOUNTING STANDARDS	JUN/2010
I-55	52.232-1	PAYMENTS	APR/1984
I-56	52.232-8	DISCOUNTS FOR PROMPT PAYMENT	FEB/2002
I-57	52.232-17	INTEREST	OCT/2010
I-58	52.232-18	AVAILABILITY OF FUNDS	APR/1984
I-59	52.232-20	LIMITATION OF COST	APR/1984
I-60	52.232-23	ASSIGNMENT OF CLAIMS (JAN 1986) -- ALTERNATE I (APR 1984)	APR/1984
I-61	52.232-25	PROMPT PAYMENT (OCT 2008) - ALTERNATE I (FEB 2002)	FEB/2002
I-62	52.232-33	PAYMENT BY ELECTRONIC FUNDS TRANSFER--CENTRAL CONTRACTOR REGISTRATION	OCT/2003
I-63	52.233-1	DISPUTES	JUL/2002
I-64	52.233-3	PROTEST AFTER AWARD (AUG 1996) -- ALTERNATE I (JUN 1985)	JUN/1985
I-65	52.233-4	APPLICABLE LAW FOR BREACH OF CONTRACT CLAIM	OCT/2004
I-66	52.237-3	CONTINUITY OF SERVICES	JAN/1991
I-67	52.239-1	PRIVACY OR SECURITY SAFEGUARDS	AUG/1996
I-68	52.242-1	NOTICE OF INTENT OF DISALLOW COSTS	APR/1984
I-69	52.242-3	PENALTIES FOR UNALLOWABLE COSTS	MAY/2001
I-70	52.242-13	BANKRUPTCY	JUL/1995
I-71	52.243-2	CHANGES - COST REIMBURSEMENT (AUG 1987) -- ALTERNATE II (APR 1984)	APR/1984
I-72	52.243-6	CHANGE ORDER ACCOUNTING	APR/1984
I-73	52.244-5	COMPETITION IN SUBCONTRACTING	DEC/1996
I-74	52.244-6	SUBCONTRACTS FOR COMMERCIAL ITEMS	DEC/2010
I-75	52.245-1	GOVERNMENT PROPERTY	APR/2012
I-76	52.245-9	USE AND CHARGES	APR/2012
I-77	52.246-23	LIMITATION OF LIABILITY	FEB/1997
I-78	52.247-63	PREFERENCE FOR U.S.-FLAG AIR CARRIERS	JUN/2003
I-79	52.247-68	REPORT OF SHIPMENT (REPSHIP)	FEB/2006
I-80	52.248-1	VALUE ENGINEERING	OCT/2010
I-81	52.249-6	TERMINATION (COST REIMBURSEMENT)	MAY/2004
I-82	52.249-14	EXCUSABLE DELAYS	APR/1984
I-83	52.253-1	COMPUTER GENERATED FORMS	JAN/1991
I-84	252.201-7000	CONTRACTING OFFICER'S REPRESENTATIVE	DEC/1991
I-85	252.203-7000	REQUIREMENTS RELATING TO COMPENSATION OF FORMER DOD OFFICIALS	SEP/2011
I-86	252.203-7001	PROHIBITION ON PERSONS CONVICTED OF FRAUD OR OTHER DEFENSE-CONTRACT-RELATED FELONIES	DEC/2008
I-87	252.203-7002	REQUIREMENT TO INFORM EMPLOYEES OF WHISTLEBLOWER RIGHTS	JAN/2009
I-88	252.203-7003	AGENCY OFFICE OF THE INSPECTOR GENERAL	DEC/2012
I-89	252.204-7000	DISCLOSURE OF INFORMATION	DEC/1991
I-90	252.204-7003	CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT	APR/1992
I-91	252.204-7005	ORAL ATTESTATION OF SECURITY RESPONSIBILITIES	NOV/2001
I-92	252.204-7006	BILLING INSTRUCTIONS	OCT/2005
I-93	252.204-7008	EXPORT-CONTROLLED ITEMS	APR/2010
I-94	252.205-7000	PROVISION OF INFORMATION TO COOPERATIVE AGREEMENT HOLDERS	DEC/1991
I-95	252.209-7004	SUBCONTRACTING WITH FIRMS THAT ARE OWNED OR CONTROLLED BY THE GOVERNMENT OF A TERRORIST COUNTRY	DEC/2006
I-96	252.209-7009	ORGANIZATIONAL CONFLICT OF INTEREST -- MAJOR DEFENSE ACQUISITION PROGRAM	DEC/2012
I-97	252.211-7000	ACQUISITION STREAMLINING	OCT/2010
I-98	252.215-7000	PRICING ADJUSTMENTS	DEC/2012
I-99	252.215-7002	COST ESTIMATING SYSTEM REQUIREMENTS	DEC/2012
I-100	252.219-7003	SMALL BUSINESS SUBCONTRACTING PLAN (DoD CONTRACTS)	AUG/2012
I-101	252.222-7002	COMPLIANCE WITH LOCAL LABOR LAWS (OVERSEAS)	JUN/1997
I-102	252.223-7004	DRUG-FREE WORK FORCE	SEP/1988
I-103	252.223-7006	PROHIBITION ON STORAGE AND DISPOSAL OF TOXIC AND HAZARDOUS MATERIALS	APR/2012
I-104	252.223-7008	PROHIBITION OF HEXAVALENT CHROMIUM	JUN/2013
I-105	252.225-7001	BUY AMERICAN AND BALANCE OF PAYMENTS PROGRAM	DEC/2012
I-106	252.225-7002	QUALIFYING COUNTRY SOURCES AS SUBCONTRACTORS	DEC/2012
I-107	252.225-7004	REPORT OF INTENDED PERFORMANCE OUTSIDE THE UNITED STATES AND CANADA--	OCT/2010

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		SUBMISSION AFTER AWARD	
I-108	252.225-7005	IDENTIFICATION OF EXPENDITURES IN THE UNITED STATES	JUN/2005
I-109	252.225-7006	QUARTERLY REPORTING OF ACTUAL CONTRACT PERFORMANCE OUTSIDE THE UNITED STATES	OCT/2010
I-110	252.225-7009	RESTRICTION ON ACQUISITION OF CERTAIN ARTICLES CONTAINING SPECIALTY METALS	JUN/2013
I-111	252.225-7012	PREFERENCE FOR CERTAIN DOMESTIC COMMODITIES	FEB/2013
I-112	252.225-7013	DUTY-FREE ENTRY	JUN/2012
I-113	252.225-7015	RESTRICTION ON ACQUISITION OF HAND OR MEASURING TOOLS	JUN/2005
I-114	252.225-7016	RESTRICTION ON ACQUISITION OF BALL AND ROLLER BEARINGS	JUN/2011
I-115	252.225-7021	TRADE AGREEMENTS	DEC/2012
I-116	252.225-7021	TRADE AGREEMENTS (DEC 2012) -- ALTERNATE I (OCT 2011)	OCT/2011
I-117	252.225-7030	RESTRICTION ON ACQUISITION OF CARBON, ALLOY, AND ARMOR STEEL PLATE	DEC/2006
I-118	252.225-7041	CORRESPONDENCE IN ENGLISH	JUN/1997
I-119	252.226-7001	UTILIZATION OF INDIAN ORGANIZATIONS, INDIAN-OWNED ECONOMIC ENTERPRISES, AND NATIVE HAWAIIAN SMALL BUSINESS CONCERNS	SEP/2004
I-120	252.227-7013	RIGHTS IN TECHNICAL DATA--NONCOMMERCIAL ITEMS	JUN/2013
I-121	252.227-7014	RIGHTS IN NONCOMMERCIAL COMPUTER SOFTWARE AND NONCOMMERCIAL COMPUTER SOFTWARE DOCUMENTATION	MAY/2013
I-122	252.227-7015	TECHNICAL DATA--COMMERCIAL ITEMS	JUN/2013
I-123	252.227-7016	RIGHTS IN BID OR PROPOSAL INFORMATION	JAN/2011
I-124	252.227-7019	VALIDATION OF ASSERTED RESTRICTIONS--COMPUTER SOFTWARE	SEP/2011
I-125	252.227-7020	RIGHTS IN SPECIAL WORKS	JUN/1995
I-126	252.227-7025	LIMITATIONS ON THE USE OR DISCLOSURE OF GOVERNMENT-FURNISHED INFORMATION MARKED WITH RESTRICTIVE LEGENDS	MAY/2013
I-127	252.227-7026	DEFERRED DELIVERY OF TECHNICAL DATA OR COMPUTER SOFTWARE	APR/1988
I-128	252.227-7027	DEFERRED ORDERING OF TECHNICAL DATA OR COMPUTER SOFTWARE	APR/1988
I-129	252.227-7030	TECHNICAL DATA--WITHHOLDING OF PAYMENT	MAR/2000
I-130	252.227-7037	VALIDATION OF RESTRICTIVE MARKINGS ON TECHNICAL DATA	JUN/2013
I-131	252.227-7038	PATENT RIGHTS -- OWNERSHIP BY THE CONTRACTOR (LARGE BUSINESS)	JUN/2012
I-132	252.228-7000	REIMBURSEMENT FOR WAR-HAZARD LOSSES	DEC/1991
I-133	252.228-7003	CAPTURE AND DETENTION	DEC/1991
I-134	252.231-7000	SUPPLEMENTAL COST PRINCIPLES	DEC/1991
I-135	252.232-7003	ELECTRONIC SUBMISSION OF PAYMENT REQUESTS AND RECEIVING REPORTS	JUN/2012
I-136	252.232-7008	ASSIGNMENT OF CLAIMS (OVERSEAS)	JUN/1997
I-137	252.232-7010	LEVIES ON CONTRACT PAYMENTS	DEC/2006
I-138	252.233-7001	CHOICE OF LAW (OVERSEAS)	JUN/1997
I-139	252.237-7010	PROHIBITION ON INTERROGATION OF DETAINEES BY CONTRACTOR PERSONNEL	JUN/2013
I-140	252.239-7001	INFORMATION ASSURANCE CONTRACTOR TRAINING AND CERTIFICATION	JAN/2008
I-141	252.242-7004	MATERIAL MANAGEMENT AND ACCOUNTING SYSTEM	MAY/2011
I-142	252.242-7005	CONTRACTOR BUSINESS SYSTEMS	FEB/2012
I-143	252.243-7001	PRICING OF CONTRACT MODIFICATIONS	DEC/1991
I-144	252.243-7002	REQUESTS FOR EQUITABLE ADJUSTMENT	DEC/2012
I-145	252.244-7000	SUBCONTRACTS FOR COMMERCIAL ITEMS	JUN/2013
I-146	252.244-7001	CONTRACTOR PURCHASING SYSTEM ADMINISTRATION	JUN/2012
I-147	252.245-7001	TAGGING, LABELING, AND MARKING OF GOVERNMENT-FURNISHED PROPERTY	APR/2012
I-148	252.246-7000	MATERIAL INSPECTION AND RECEIVING REPORT	MAR/2008
I-149	252.246-7003	NOTIFICATION OF POTENTIAL SAFETY ISSUES	JUN/2013
I-150	252.247-7023	TRANSPORTATION OF SUPPLIES BY SEA	JUN/2013
I-151	252.249-7002	NOTIFICATION OF ANTICIPATED CONTRACT TERMINATION OR REDUCTION	OCT/2010
I-152	52.216-7	ALLOWABLE COST AND PAYMENT	JUN/2011

(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

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prior to the final payment under the contract are contract financing payments, except interim payments if this contract contains Alternate I to the clause at 52.232-25.

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

(b) Reimbursing costs.

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

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

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

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

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

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

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

(C) Direct labor;

(D) Direct travel;

(E) Other direct in-house costs; and

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

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

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

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

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

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

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

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

(d) Final indirect cost rates.

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

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

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(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.

(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 Executive compensation for the five most highly compensated executives. See 31.205-6(p). Additional salary reference information is available at [http://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.).

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(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 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 --

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(1) Shall be the anticipated final rates; and

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

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

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

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

(2) Adjusted for prior overpayments or underpayments.

(h) Final payment.

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

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

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

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

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

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

(C) Claims for reimbursement of costs, including reasonable incidental expenses, incurred by the Contractor under the patent clauses of this contract, excluding, however, any expenses arising from the Contractors indemnification of the Government against patent liability.

(End of Clause)

I-153

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 before the contract is set to expire.

(End of Clause)

I-154

52.217-9

OPTION TO EXTEND THE TERM OF THE CONTRACT

MAR/2000

(a) The Government may extend the term of this contract by written notice to the Contractor no later than 30 days before the contract expires; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 60 days before the contract expires. The preliminary notice does not commit the Government to an extension.



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this contract, the amount of the reduction shall be paid or credited at the time of such offset to the Government of the United States as the Contracting Officer directs.

(End of Clause)

I-158                      52.243-7                      NOTIFICATION OF CHANGES                      APR/1984

(a) Definitions. Contracting Officer, as used in this clause, does not include any representative of the Contracting Officer.

Specifically Authorized Representative (SAR), as used in this clause, means any person the Contracting Officer has so designated by written notice (a copy of which shall be provided to the Contractor) which shall refer to this subparagraph and shall be issued to the designated representative before the SAR exercises such authority.

(b) Notice. The primary purpose of this clause is to obtain prompt reporting of Government conduct that the Contractor considers to constitute a change to this contract. Except for changes identified as such in writing and signed by the Contracting Officer, the Contractor shall notify the Administrative Contracting Officer in writing promptly, within 7 calendar days from the date that the Contractor identifies any Government conduct (including actions, inactions, and written or oral communications) that the Contractor regards as a change to the contract terms and conditions. On the basis of the most accurate information available to the Contractor, the notice shall state --

- (1) The date, nature, and circumstances of the conduct regarded as a change;
- (2) The name, function, and activity of each Government individual and Contractor official or employee involved in or knowledgeable about such conduct;
- (3) The identification of any documents and the substance of any oral communication involved in such conduct;
- (4) In the instance of alleged acceleration of scheduled performance or delivery, the basis upon which it arose;
- (5) The particular elements of contract performance for which the Contractor may seek an equitable adjustment under this clause, including --
  - (i) What contract line items have been or may be affected by the alleged change;
  - (ii) What labor or materials or both have been or may be added, deleted, or wasted by the alleged change;
  - (iii) To the extent practicable, what delay and disruption in the manner and sequence of performance and effect on continued performance have been or may be caused by the alleged change;
  - (iv) What adjustments to contract price, delivery schedule, and other provisions affected by the alleged change are estimated; and
- (6) The Contractors estimate of the time by which the Government must respond to the Contractors notice to minimize cost, delay or disruption of performance.

(c) Continued performance. Following submission of the notice required by paragraph (b) of this clause, the Contractor shall diligently continue performance of this contract to the maximum extent possible in accordance with its terms and conditions as construed by the Contractor, unless the notice reports a direction of the Contracting Officer or a communication from a SAR of the Contracting Officer, in either of which events the Contractor shall continue performance; provided, however, that if the Contractor regards the direction or communication as a change as described in paragraph (b) of this clause, notice shall be given in the manner provided. All directions, communications, interpretations, orders and similar actions of the SAR shall be reduced to writing promptly and copies furnished to the Contractor and to the Contracting Officer. The Contracting Officer shall promptly countermand any action which exceeds the authority of the SAR.

(d) Government response. The Contracting Officer shall promptly, within TBD calendar days after receipt of notice, respond to the notice in writing. In responding, the Contracting Officer shall either --

- (1) Confirm that the conduct of which the Contractor gave notice constitutes a change and when necessary direct the mode of further performance;
- (2) Countermand any communication regarded as a change;
- (3) Deny that the conduct of which the Contractor gave notice constitutes a change and when necessary direct the mode of further

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performance; or

(4) In the event the Contractors notice information is inadequate to make a decision under subparagraphs (d)(1), (2), or (3) of this clause, advise the Contractor what additional information is required, and establish the date by which it should be furnished and the date thereafter by which the Government will respond.

(e) Equitable adjustments.

(1) If the Contracting Officer confirms that Government conduct effected a change as alleged by the Contractor, and the conduct causes an increase or decrease in the Contractors cost of, or the time required for, performance of any part of the work under this contract, whether changed or not changed by such conduct, an equitable adjustment shall be made --

(i) In the contract price or delivery schedule or both; and

(ii) In such other provisions of the contract as may be affected.

(2) The contract shall be modified in writing accordingly. In the case of drawings, designs or specifications which are defective and for which the Government is responsible, the equitable adjustment shall include the cost and time extension for delay reasonably incurred by the Contractor in attempting to comply with the defective drawings, designs or specifications before the Contractor identified, or reasonably should have identified, such defect. When the cost of property made obsolete or excess as a result of a change confirmed by the Contracting Officer under this clause is included in the equitable adjustment, the Contracting Officer shall have the right to prescribe the manner of disposition of the property. The equitable adjustment shall not include increased costs or time extensions for delay resulting from the Contractors failure to provide notice or to continue performance as provided, respectively, in paragraphs (b) and (c) of this clause.

NOTE: The phrases contract price and cost wherever they appear in the clause, may be appropriately modified to apply to cost-reimbursement or incentive contracts, or to combinations thereof.

(End of Clause)

I-159

52.244-2

SUBCONTRACTS

OCT/2010

(a) Definitions. As used in this clause

Approved purchasing system means a Contractors 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 Officers 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 Officers written consent before placing the following subcontracts: TBD

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

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

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

(iii) Identification of the proposed subcontractor.

(iv) The proposed subcontract price.

(v) The subcontractors 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 subcontractors 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 subcontractors 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 subcontractors 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 Contractors 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 Contractors 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 Contractors 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

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

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

(1) The Contractor shall display prominently in common work areas within business segments performing work in the United States under Department of Defense (DoD) contracts DoD hotline posters prepared by the DoD Office of the Inspector General. DoD hotline posters may be obtained via the Internet at [http://www.dodig.mil/HOTLINE/hotline\\_posters.htm](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:

Not applicable

(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-161                    252.225-7040                    CONTRACTOR PERSONNEL AUTHORIZED TO ACCOMPANY U.S. ARMED FORCES                    FEB/2013  
DEPLOYED OUTSIDE THE UNITED STATES

(a) Definitions. As used in this clause

"Combatant Commander" means the commander of a unified or specified combatant command established in accordance with 10 U.S.C. 161.

"Designated operational area" means a geographic area designated by the combatant commander or subordinate joint force commander for the conduct or support of specified military operations.

"Law of war" means that part of international law that regulates the conduct of armed hostilities. The law of war encompasses all international law for the conduct of hostilities binding on the United States or its individual citizens, including treaties and international agreements to which the United States is a party, and applicable customary international law.

"Subordinate joint force commander" means a sub-unified commander or joint task force commander.

(b) General.

(1) This clause applies when Contractor personnel are authorized to accompany U.S. Armed Forces deployed outside the United States in

(i) Contingency operations;

(ii) Humanitarian or peacekeeping operations; or

(iii) Other military operations or military exercises, when designated by the Combatant Commander.

(2) Contract performance in support of U.S. Armed Forces deployed outside the United States may require work in dangerous or austere conditions. Except as otherwise provided in the contract, the Contractor accepts the risks associated with required contract performance in such operations.

(3) Contractor personnel are civilians accompanying the U.S. Armed Forces.

(i) Except as provided in paragraph (b)(3)(ii) of this clause, Contractor personnel are only authorized to use deadly force in self-defense.

(ii) Contractor personnel performing security functions are also authorized to use deadly force when such force reasonably appears necessary to execute their security mission to protect assets/persons, consistent with the terms and conditions contained in their contract or with their job description and terms of employment.

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(iii) Unless immune from host nation jurisdiction by virtue of an international agreement or international law, inappropriate use of force by contractor personnel authorized to accompany the U.S. Armed Forces can subject such personnel to United States or host nation prosecution and civil liability (see paragraphs (d) and (j)(3) of this clause).

(4) Service performed by Contractor personnel subject to this clause is not active duty or service under 38 U.S.C. 106 note.

(c) Support.

(1)(i) The Combatant Commander will develop a security plan for protection of Contractor personnel in locations where there is not sufficient or legitimate civil authority, when the Combatant Commander decides it is in the interests of the Government to provide security because

(A) The Contractor cannot obtain effective security services;

(B) Effective security services are unavailable at a reasonable cost; or

(C) Threat conditions necessitate security through military means.

(ii) The Contracting Officer shall include in the contract the level of protection to be provided to Contractor personnel.

(iii) In appropriate cases, the Combatant Commander may provide security through military means, commensurate with the level of security provided DoD civilians.

(2)(i) Generally, all Contractor personnel authorized to accompany the U.S. Armed Forces in the designated operational area are authorized to receive resuscitative care, stabilization, hospitalization at level III military treatment facilities, and assistance with patient movement in emergencies where loss of life, limb, or eyesight could occur. Hospitalization will be limited to stabilization and short-term medical treatment with an emphasis on return to duty or placement in the patient movement system.

(ii) When the Government provides medical treatment or transportation of Contractor personnel to a selected civilian facility, the Contractor shall ensure that the Government is reimbursed for any costs associated with such treatment or transportation.

(iii) Medical or dental care beyond this standard is not authorized unless specified elsewhere in this contract.

(3) Unless specified elsewhere in this contract, the Contractor is responsible for all other support required for its personnel engaged in the designated operational area under this contract.

(4) Contractor personnel must have a Synchronized Predeployment and Operational Tracker (SPOT)-generated letter of authorization signed by the Contracting Officer in order to process through a deployment center or to travel to, from, or within the designated operational area. The letter of authorization also will identify any additional authorizations, privileges, or Government support that Contractor personnel are entitled to under this contract.

(d) Compliance with laws and regulations.

(1) The Contractor shall comply with, and shall ensure that its personnel authorized to accompany U.S. Armed Forces deployed outside the United States as specified in paragraph (b)(1) of this clause are familiar with and comply with, all applicable

(i) United States, host country, and third country national laws;

(ii) Provisions of the law of war, as well as any other applicable treaties and international agreements;

(iii) United States regulations, directives, instructions, policies, and procedures; and

(iv) Orders, directives, and instructions issued by the Combatant Commander, including those relating to force protection, security, health, safety, or relations and interaction with local nationals.

(2) The Contractor shall institute and implement an effective program to prevent violations of the law of war by its employees and subcontractors, including law of war training in accordance with paragraph (e)(1)(vii) of this clause.

(3) The Contractor shall ensure that contractor employees accompanying U.S. Armed Forces are aware--

(i) Of the DoD definition of "sexual assault" in DoDD 6495.01, Sexual Assault Prevention and Response Program;

(ii) That many of the offenses addressed by the definition are covered under the Uniform Code of Military Justice (see paragraph (e)(2)(iv) of this clause). Other sexual misconduct may constitute offenses under the Uniform Code of Military Justice, Federal law,

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such as the Military Extraterritorial Jurisdiction Act, or host nation laws; and

(iii) That the offenses not covered by the Uniform Code of Military Justice may nevertheless have consequences to the contractor employees (see paragraph (h)(1) of this clause).

(4) The Contractor shall report to the appropriate investigative authorities, identified in paragraph (d)(6) of this clause, any alleged offenses under--

(i) The Uniform Code of Military Justice (chapter 47 of title 10, United States Code) (applicable to contractors serving with or accompanying an armed force in the field during a declared war or contingency operations); or

(ii) The Military Extraterritorial Jurisdiction Act (chapter 212 of title 18, United States Code).

(5) The Contractor shall provide to all contractor personnel who will perform work on a contract in the deployed area, before beginning such work, information on the following:

(i) How and where to report an alleged crime described in paragraph (d)(4) of this clause.

(ii) Where to seek victim and witness protection and assistance available to contractor personnel in connection with an alleged offense described in paragraph (d)(4) of this clause.

(6) The appropriate investigative authorities to which suspected crimes shall be reported include the following--

(i) US Army Criminal Investigation Command at <http://www.cid.army.mil/reportacrime.html>;

(ii) Air Force Office of Special Investigations at <http://www.osi.andrews.af.mil/library/factsheets/factsheet.asp?id=14522>;

(iii) Navy Criminal Investigative Service at <http://www.ncis.navy.mil/Pages/publicdefault.aspx>;

(iv) Defense Criminal Investigative Service at <http://www.dodig.mil/HOTLINE/index.html>;

(v) To any command of any supported military element or the command of any base.

(7) Personnel seeking whistleblower protection from reprisals for reporting criminal acts shall seek guidance through the DoD Inspector General hotline at 800-424-9098 or [www.dodig.mil/HOTLINE/index.html](http://www.dodig.mil/HOTLINE/index.html). Personnel seeking other forms of victim or witness protections should contact the nearest military law enforcement office.

(e) Pre-deployment requirements.

(1) The Contractor shall ensure that the following requirements are met prior to deploying personnel authorized to accompany U.S. Armed Forces. Specific requirements for each category may be specified in the statement of work or elsewhere in the contract.

(i) All required security and background checks are complete and acceptable.

(ii) All deploying personnel meet the minimum medical screening requirements and have received all required immunizations as specified in the contract. The Government will provide, at no cost to the Contractor, any theater-specific immunizations and/or medications not available to the general public.

(iii) Deploying personnel have all necessary passports, visas, and other documents required to enter and exit a designated operational area and have a Geneva Conventions identification card, or other appropriate DoD identity credential, from the deployment center. Any Common Access Card issued to deploying personnel shall contain the access permissions allowed by the letter of authorization issued in accordance with paragraph (c)(4) of this clause.

(iv) Special area, country, and theater clearance is obtained for personnel. Clearance requirements are in DoD Directive 4500.54, Official Temporary Duty Abroad, and DoD 4500.54-G, DoD Foreign Clearance Guide. Contractor personnel are considered non-DoD personnel traveling under DoD sponsorship.

(v) All personnel have received personal security training. At a minimum, the training shall

(A) Cover safety and security issues facing employees overseas;

(B) Identify safety and security contingency planning activities; and

(C) Identify ways to utilize safety and security personnel and other resources appropriately.

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(vi) All personnel have received isolated personnel training, if specified in the contract, in accordance with DoD Instruction 1300.23, Isolated Personnel Training for DoD Civilian and Contractors.

(vii) Personnel have received law of war training as follows:

(A) Basic training is required for all Contractor personnel authorized to accompany U.S. Armed Forces deployed outside the United States. The basic training will be provided through

(1) A military-run training center; or

(2) A web-based source, if specified in the contract or approved by the Contracting Officer.

(B) Advanced training, commensurate with their duties and responsibilities, may be required for some Contractor personnel as specified in the contract.

(2) The Contractor shall notify all personnel who are not a host country national, or who are not ordinarily resident in the host country, that

(i) Such employees, and dependents residing with such employees, who engage in conduct outside the United States that would constitute an offense punishable by imprisonment for more than one year if the conduct had been engaged in within the special maritime and territorial jurisdiction of the United States, may potentially be subject to the criminal jurisdiction of the United States in accordance with the Military Extraterritorial Jurisdiction Act of 2000 (18 U.S.C. 3621, et seq.);

(ii) Pursuant to the War Crimes Act (18 U.S.C. 2441), Federal criminal jurisdiction also extends to conduct that is determined to constitute a war crime when committed by a civilian national of the United States;

(iii) Other laws may provide for prosecution of U.S. nationals who commit offenses on the premises of U.S. diplomatic, consular, military or other U.S. Government missions outside the United States (18 U.S.C. 7(9)); and

(iv) In time of declared war or a contingency operation, Contractor personnel authorized to accompany U.S. Armed Forces in the field are subject to the jurisdiction of the Uniform Code of Military Justice under 10 U.S.C. 802(a)(10).

(f) Processing and departure points. Deployed Contractor personnel shall

(1) Process through the deployment center designated in the contract, or as otherwise directed by the Contracting Officer, prior to deploying. The deployment center will conduct deployment processing to ensure visibility and accountability of Contractor personnel and to ensure that all deployment requirements are met, including the requirements specified in paragraph (e)(1) of this clause;

(2) Use the point of departure and transportation mode directed by the Contracting Officer; and

(3) Process through a Joint Reception Center (JRC) upon arrival at the deployed location. The JRC will validate personnel accountability, ensure that specific designated operational area entrance requirements are met, and brief Contractor personnel on theater-specific policies and procedures.

(g) Personnel data.

(1) The Contractor shall enter before deployment and maintain data for all Contractor personnel that are authorized to accompany U.S. Armed Forces deployed outside the United States as specified in paragraph (b)(1) of this clause. The Contractor shall use the Synchronized Predeployment and Operational Tracker (SPOT) web-based system, at <http://www.dod.mil/bta/products/spot.html>, to enter and maintain the data.

(2) The Contractor shall ensure that all employees in the database have a current DD Form 93, Record of Emergency Data Card, on file with both the Contractor and the designated Government official. The Contracting Officer will inform the Contractor of the Government official designated to receive this data card.

(h) Contractor personnel.

(1) The Contracting Officer may direct the Contractor, at its own expense, to remove and replace any Contractor personnel who jeopardize or interfere with mission accomplishment or who fail to comply with or violate applicable requirements of this contract. Such action may be taken at the Government's discretion without prejudice to its rights under any other provision of this contract, including the Termination for Default clause.

(2) The Contractor shall have a plan on file showing how the Contractor would replace employees who are unavailable for deployment or who need to be replaced during deployment. The Contractor shall keep this plan current and shall provide a copy to the Contracting Officer upon request. The plan shall

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(i) Identify all personnel who are subject to military mobilization;

(ii) Detail how the position would be filled if the individual were mobilized; and

(iii) Identify all personnel who occupy a position that the Contracting Officer has designated as mission essential.

(3) Contractor personnel shall report to the Combatant Commander or a designee, or through other channels such as the military police, a judge advocate, or an inspector general, any suspected or alleged conduct for which there is credible information that such conduct

(i) Constitutes violation of the law of war; or

(ii) Occurred during any other military operations and would constitute a violation of the law of war if it occurred during an armed conflict.

(i) Military clothing and protective equipment.

(1) Contractor personnel are prohibited from wearing military clothing unless specifically authorized in writing by the Combatant Commander. If authorized to wear military clothing, Contractor personnel must

(i) Wear distinctive patches, arm bands, nametags, or headgear, in order to be distinguishable from military personnel, consistent with force protection measures; and

(ii) Carry the written authorization with them at all times.

(2) Contractor personnel may wear military-unique organizational clothing and individual equipment (OCIE) required for safety and security, such as ballistic, nuclear, biological, or chemical protective equipment.

(3) The deployment center, or the Combatant Commander, shall issue OCIE and shall provide training, if necessary, to ensure the safety and security of Contractor personnel.

(4) The Contractor shall ensure that all issued OCIE is returned to the point of issue, unless otherwise directed by the Contracting Officer.

(j) Weapons.

(1) If the Contractor requests that its personnel performing in the designated operational area be authorized to carry weapons, the request shall be made through the Contracting Officer to the Combatant Commander, in accordance with DoD Instruction 3020.41, paragraph 6.3.4.1 or, if the contract is for security services, paragraph 6.3.5.3. The Combatant Commander will determine whether to authorize in-theater Contractor personnel to carry weapons and what weapons and ammunition will be allowed.

(2) If the Contracting Officer, subject to the approval of the Combatant Commander, authorizes the carrying of weapons

(i) The Contracting Officer may authorize the Contractor to issue Contractor-owned weapons and ammunition to specified employees; or

(ii) The Contracting Officer Representative may issue Government-furnished weapons and ammunition to the Contractor for issuance to specified Contractor employees.

(3) The Contractor shall ensure that its personnel who are authorized to carry weapons

(i) Are adequately trained to carry and use them

(A) Safely;

(B) With full understanding of, and adherence to, the rules of the use of force issued by the Combatant Commander; and

(C) In compliance with applicable agency policies, agreements, rules, regulations, and other applicable law;

(ii) Are not barred from possession of a firearm by 18 U.S.C. 922; and

(iii) Adhere to all guidance and orders issued by the Combatant Commander regarding possession, use, safety, and accountability of weapons and ammunition.

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(4) Whether or not weapons are Government-furnished, all liability for the use of any weapon by Contractor personnel rests solely with the Contractor and the Contractor employee using such weapon.

(5) Upon redeployment or revocation by the Combatant Commander of the Contractors authorization to issue firearms, the Contractor shall ensure that all Government-issued weapons and unexpended ammunition are returned as directed by the Contracting Officer.

(k) Vehicle or equipment licenses. Contractor personnel shall possess the required licenses to operate all vehicles or equipment necessary to perform the contract in the designated operational area.

(l) Purchase of scarce goods and services. If the Combatant Commander has established an organization for the designated operational area whose function is to determine that certain items are scarce goods or services, the Contractor shall coordinate with that organization local purchases of goods and services designated as scarce, in accordance with instructions provided by the Contracting Officer.

(m) Evacuation.

(1) If the Combatant Commander orders a mandatory evacuation of some or all personnel, the Government will provide assistance, to the extent available, to United States and third country national Contractor personnel.

(2) In the event of a non-mandatory evacuation order, unless authorized in writing by the Contracting Officer, the Contractor shall maintain personnel on location sufficient to meet obligations under this contract.

(n) Next of kin notification and personnel recovery.

(1) The Contractor shall be responsible for notification of the employee-designated next of kin in the event an employee dies, requires evacuation due to an injury, or is isolated, missing, detained, captured, or abducted.

(2) In the case of isolated, missing, detained, captured, or abducted Contractor personnel, the Government will assist in personnel recovery actions in accordance with DoD Directive 3002.01E, Personnel Recovery in the Department of Defense.

(o) Mortuary affairs. Mortuary affairs for Contractor personnel who die while accompanying the U.S. Armed Forces will be handled in accordance with DoD Directive 1300.22, Mortuary Affairs Policy.

(p) Changes. In addition to the changes otherwise authorized by the Changes clause of this contract, the Contracting Officer may, at any time, by written order identified as a change order, make changes in the place of performance or Government-furnished facilities, equipment, material, services, or site. Any change order issued in accordance with this paragraph (p) shall be subject to the provisions of the Changes clause of this contract.

(q) Subcontracts. The Contractor shall incorporate the substance of this clause, including this paragraph (q), in all subcontracts when subcontractor personnel are authorized to accompany U.S. Armed Forces deployed outside the United States in

(1) Contingency operations;

(2) Humanitarian or peacekeeping operations; or

(3) Other military operations or military exercises, when designated by the Combatant Commander.

(End of clause)

I-162            252.225-7043            ANTITERRORISM/FORCE PROTECTION POLICY FOR DEFENSE CONTRACTORS OUTSIDE            MAR/2006  
THE UNITED STATES

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

(b) Except as provided in paragraph (c) of this clause, the Contractor and its subcontractors, if performing or traveling outside the United States under this contract, shall

(1) Affiliate with the Overseas Security Advisory Council, if the Contractor or subcontractor is a U.S. entity;

(2) Ensure that Contractor and subcontractor personnel who are U.S. nationals and are in-country on a non-transitory basis, register with the U.S. Embassy, and that Contractor and subcontractor personnel who are third country nationals comply with any security related requirements of the Embassy of their nationality;

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(3) Provide, to Contractor and subcontractor personnel, antiterrorism/force protection awareness information commensurate with that which the Department of Defense (DoD) provides to its military and civilian personnel and their families, to the extent such information can be made available prior to travel outside the United States; and

(4) Obtain and comply with the most current antiterrorism/force protection guidance for Contractor and subcontractor personnel.

(c) The requirements of this clause do not apply to any subcontractor that is:

(1) A foreign government;

(2) A representative of a foreign government; or

(3) A foreign corporation wholly owned by a foreign government.

(d) Information and guidance pertaining to DoD antiterrorism/force protection can be obtained from

HQDA-AT

DSN: 222-9832

COMMERCIAL: (703) 692-9832.

(End of clause)

I-163            252.235-7010            ACKNOWLEDGMENT OF SUPPORT AND DISCLAIMER            MAY/1995

(a) The Contractor shall include an acknowledgment of the Governments 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 DoD Army Contracting Command under Contract No. TBD.

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

(End of clause)

I-164            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).

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	PIIN/SIIN W56HZV-13-C-0180	MOD/AMD

**Name of Offeror or Contractor:** OSHKOSH CORPORATION

(End of Clause)

I-165                      52.219-28                      POST-AWARD SMALL BUSINESS PROGRAM REREPRESENTATION                      APR/2012

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

"Long-term contract" means a contract of more than five years in duration, including options. However, the term does not include contracts that exceed five years in duration because the period of performance has been extended for a cumulative period not to exceed six months under the clause at 52.217-8, Option to Extend Services, or other appropriate authority.

"Small business concern" means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR part 121 and the size standard in paragraph (c) of this clause. Such a concern is "not dominant in its field of operation" when it does not exercise a controlling or major influence on a national basis in a kind of business activity in which a number of business concerns are primarily engaged. In determining whether dominance exists, consideration shall be given to all appropriate factors, including volume of business, number of employees, financial resources, competitive status or position, ownership or control of materials, processes, patents, license agreements, facilities, sales territory, and nature of business activity.

(b) If the Contractor represented that it was a small business concern prior to award of this contract, the Contractor shall rerepresent its size status according to paragraph (e) of this clause or, if applicable, paragraph (g) of this clause, upon the occurrence of any of the following:

- (1) Within 30 days after execution of a novation agreement or within 30 days after modification of the contract to include this clause, if the novation agreement was executed prior to inclusion of this clause in the contract.
- (2) Within 30 days after a merger or acquisition that does not require a novation or within 30 days after modification of the contract to include this clause, if the merger or acquisition occurred prior to inclusion of this clause in the contract.
- (3) For long-term contracts
  - (i) Within 60 to 120 days prior to the end of the fifth year of the contract; and
  - (ii) Within 60 to 120 days prior to the date specified in the contract for exercising any option thereafter.

(c) The Contractor shall rerepresent its size status in accordance with the size standard in effect at the time of this rerepresentation that corresponds to the North American Industry Classification System (NAICS) code assigned to this contract. The small business size standard corresponding to this NAICS code can be found at [\\\*HYPERLINK "http://www.sba.gov/content/table-small-business-size-standards"http://www.sba.gov/content/table-small-business-size-standards](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 rerepresentation required by paragraph (b) of this clause by validating or updating all its representations in the Online Representations and Certifications Application and its data in the Central Contractor Registration, 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 ORCA, or does not have a representation in ORCA 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)

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<b>Name of Offeror or Contractor:</b> OSHKOSH CORPORATION		

I-166            52.252-2            CLAUSES INCORPORATED BY REFERENCE            FEB/1998

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

<http://www.acq.osd.mil/dpap/dars/far.html> or <http://www.acq.osd.mil/dpap/dars/index.htm> or <http://farsite.hill.af.mil/VFAFARA.HTM>

(End of Clause)

I-167            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-168            252.211-7005            SUBSTITUTIONS FOR MILITARY OR FEDERAL SPECIFICATIONS AND STANDARDS            NOV/2005

(a) Definition. SPI process, as used in this clause, means a management or manufacturing process that has been accepted previously by the Department of Defense under the Single Process Initiative (SPI) for use in lieu of a specific military or Federal specification or standard at specific facilities. Under SPI, these processes are reviewed and accepted by a Management Council, which includes representatives of the Contractor, the Defense Contract Management Agency, the Defense Contract Audit Agency, and the military departments.

(b) Offerors are encouraged to propose SPI processes in lieu of military or Federal specifications and standards cited in the solicitation. A listing of SPI processes accepted at specific facilities is available via the Internet at [http://guidebook.dcm.mil/20/guidebook\\_process.htm](http://guidebook.dcm.mil/20/guidebook_process.htm) (paragraph 4.2).

(c) An offeror proposing to use an SPI process in lieu of military or Federal specifications or standards cited in the solicitation shall

(1) Identify the specific military or Federal specification or standard for which the SPI process has been accepted;

(2) Identify each facility at which the offeror proposes to use the specific SPI process in lieu of military or Federal specifications or standards cited in the solicitation;

(3) Identify the contract line items, subline items, components, or elements affected by the SPI process; and

(4) If the proposed SPI process has been accepted at the facility at which it is proposed for use, but is not yet listed at the Internet site specified in paragraph (b) of this clause, submit documentation of Department of Defense acceptance of the SPI process.

(d) Absent a determination that an SPI process is not acceptable for this procurement, the Contractor shall use the following SPI processes in lieu of military or Federal specifications or standards:

(Offeror insert information for each SPI process)

SPI Process: \_\_\_\_\_

Facility: \_\_\_\_\_

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Military or Federal Specification or Standard: \_\_\_\_\_

Affected Contract Line Item Number, Subline Item Number, Component, or Element: \_\_\_\_\_

(e) If a prospective offeror wishes to obtain, prior to the time specified for receipt of offers, verification that an SPI process is an acceptable replacement for military or Federal specifications or standards required by the solicitation, the prospective offeror

(1) May submit the information required by paragraph (d) of this clause to the Contracting Officer prior to submission of an offer; but

(2) Must submit the information to the Contracting Officer at least 10 working days prior to the date specified for receipt of offers.

(End of clause)

I-169            252.225-7993            PROHIBITION ON CONTRACTING WITH THE ENEMY IN THE UNITED STATES            JAN/2012  
(DEV 2012-            CENTRAL COMMAND THEATER OF OPERATIONS (DEVIATION 2012-00005)  
00005)

(a) The Contractor is required to exercise due diligence to ensure that none of the funds received under this contract are provided, directly or indirectly, to a person or entity who is actively supporting an insurgency or otherwise actively opposing U.S. or coalition forces in a contingency operation.

(b) The Head of the Contracting Activity (HCA) has the authority to--

(1) Terminate this contract for default, in whole or in part, if the HCA determines in writing that the Contractor failed to exercise due diligence as required by paragraph (a) of this clause; or

(2) Void this contract, in whole or in part, if the HCA determines in writing that any funds received under this Contract have been provided, directly or indirectly, to a person or entity who is actively supporting an insurgency or otherwise actively opposing U.S. or coalition forces in a contingency operation.

(End of clause)

I-170            252.225-7994            ADDITIONAL ACCESS TO CONTRACTOR AND SUBCONTRACTOR RECORDS IN THE            JAN/2012  
(DEV 2012-            UNITED STATES CENTRAL COMMAND THEATER OF OPERATIONS (DEVIATION 2012-  
00005)            00005)

(a) In addition to any other existing examination-of-records authority, the Department of Defense is authorized to examine any records of the Contractor to the extent necessary to ensure that funds available under this Contract are not--

(1) Subject to extortion or corruption; or

(2) Provided, directly or indirectly, to persons or entities that are actively supporting an insurgency or otherwise actively opposing United States or coalition forces in a contingency operation.

(b) The substance of this clause, including this paragraph (b), is required to be included in subcontracts under this Contract that have an estimated value over \$100,000.

(End of clause)

I-171            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>

(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.

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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-172            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_protege/)

or

<http://sellingtoarmy.info/User/ShowPage.aspx?SectionID=12>

(e) For additional questions after reviewing the information provided, contact the Office of Small Business Programs serving your area.

[End of Clause]

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MOD/AMD

**Name of Offeror or Contractor:** OSHKOSH CORPORATION

## SECTION J - LIST OF ATTACHMENTS

<u>List of Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number of Pages</u>	<u>Transmitted By</u>
Exhibit A	CONTRACTS DATA REQUIREMENTS LIST (CDRLS)	23-MAY-2013		
Attachment 0001	DD FORM 254, DOD CONTRACT SECURITY CLASSIFICATION SPECIFICATION		001	EMAIL
Attachment 0002	DELETED By AMD 0002			
Attachment 0003	TECHNICAL DATA PACKAGE WORKSHEET-VEHICLE		001	EMAIL
Attachment 0004	TECHNICAL DATA PACKAGE WORKSHEET-STS HARDWARE		001	EMAIL
Attachment 0005	TECHNICAL DATA PACKAGE WORKSHEET-SOURCE CONTROL DOCUMENT		001	EMAIL
Attachment 0006	DD FORM 2617		002	EMAIL
Attachment 0007	METADATA ATTRIBUTES		008	EMAIL
Attachment 0008	ADVANCED COLLABORATIVE ENVIRONMENT (ACE)		001	
Attachment 0009	LMI PACKAGING DATA PRODUCTS		002	
Attachment 0010	INCOMING TRANSACTION FORMAT		001	
Attachment 0011	LONG LIFE REUSABLE CONTAINER DESIGN PROPOSAL FORMAT		004	
Attachment 0012	RESERVED FOR FUTURE USE		001	
Attachment 0013	PUBLICATIONS		003	
Attachment 0014	PERSTAT REPORTING SOP		015	EMAIL
Attachment 0015	LEVEL OF REPAIR ANALYSIS (LORA)		002	EMAIL
Attachment 0016	LMI SUMMARY WORKSHEET-MAINTENANCE ANALYSIS		004	EMAIL
Attachment 0017	LMI SUMMARY WORKSHEET-NMWR ANALYSIS		001	EMAIL
Attachment 0018	PRODUCT DATA CHECKLIST	22-AUG-2012	002	EMAIL
Attachment 0019	CONFIGURATION CONTROL BOARD (CCB) CHARTER	18-JUL-2012	009	EMAIL

CONTRACT DATA REQUIREMENTS LIST Form Approval OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

- A. CONTRACT LINE ITEM NO NSP
- B. EXHIBIT:
- C. CATEGORY: OTHER
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:
  - 1. DATA ITEM NO. A001
  - 2. TITLE OF DATA ITEM: Conference Minutes & Agenda
  - 3. SUBTITLE:
  - 4. AUTHORITY: DI-ADMN-81249A
  - 5. CONTRACT REFERENCE: SOW Para C.2.4.5
  - 6. REQUIRING OFFICE: PM MRAP
  - 7. DD250 REQ: LT
  - 8. APP CODE:
  - 9. DIST. STATEMENT REQUIRED: C
  - 10. FREQUENCY: ASREQ
  - 11. AS OF DATE:
  - 12. DATE OF FIRST SUB: SEE BLOCK 16
  - 13. DATE OF SUBS.SUB:
  - 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive
  - 15. TOTAL:
  - 16. REMARKS:  
BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.  
BLK 12 - Agendas shall be submitted 10 days prior to each conference, meeting, audit, or review. The Government requires 3 days to review and comment.  
BLK 13 - Submit final, with Government comments incorporated, 2 days after receipt of Government comments.  
BLK13 Meeting Minutes shall be submitted within 10 business days after the meeting. BLK 14 - Submission shall be via electronic mail (e-mail). The submission shall be prepared and delivered in current Microsoft Office software suite in contractor format. E-mail address will be identified in the work directive.
- 17. PRICE GROUP:
- 18. ESTIMATED TOTAL PRICE:

- A. CONTRACT LINE ITEM NO NSP
- B. EXHIBIT:
- C. CATEGORY: OTHER
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:
  - 1. DATA ITEM NO. A002
  - 2. TITLE OF DATA ITEM: IN-PROCESS REVIEW (IPR)
  - 3. SUBTITLE:
  - 4. AUTHORITY (Dt of Acq Document No.) DI-ADMIN-81250
  - 5. CONTRACT REFERENCE: SOW Para C.2.4.5
  - 6. REQUIRING OFFICE: PM MRAP
  - 7. DD250 REQ: LT
  - 8. APP CODE:
  - 9. DIST. STATEMENT REQUIRED: D
  - 10. FREQUENCY: QUARTERLY
  - 11. AS OF DATE:

12. DATE OF FIRST SUB: SEE BLOCK 16

13. DATE OF SUBS.SUB: As REQ in WD

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

Block 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT D: Distribution authorized to the Department of Defense and US DoD Contractors only. Other requests for this document shall be referred to the PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

Block 12 - The Contractor shall conduct in-process status reviews at its facility with the initial review no later than 30 days after date of contract award. Applicable slide presentation from IPR to be delivered in conjunction with meeting minutes.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A003

2. TITLE OF DATA ITEM: Project Status Review

3. SUBTITLE:

4. AUTHORITY: DI-ADMIN-81249A

5. CONTRACT REFERENCE: SOW Para C.2.4.5.5

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE: A

9. DIST. STATEMENT REQUIRED: D

10. FREQUENCY: Monthly

11. AS OF DATE:

12. DATE OF FIRST SUB: See BLOCK 16

13. DATE OF SUBS.SUB: AS REQ in WD

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT D: Distribution authorized to the Department of Defense and US DoD Contractors only. Other requests for this document shall be referred to the PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 12 - The Contractor shall conduct project status reviews at its facility with the initial review no later than 30 days after issuance of a work directive.

BLK 14 - Submission shall be via electronic mail (e-mail). The submission shall be prepared and delivered in current Microsoft Office software suite using the contractors format. E-mail address will be identified in the work directive.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A004

2. TITLE OF DATA ITEM: Rough Order of Magnitude (ROM)

3. SUBTITLE:

4. AUTHORITY DI-FNCL-81116

5. CONTRACT REFERENCE: SOW Para C.2.5.2

- 6. REQUIRING OFFICE: PM MRAP
- 7. DD250 REQ: LT
- 8. APP CODE:
- 9. DIST. STATEMENT REQUIRED: C
- 10. FREQUENCY: ASREQ
- 11. AS OF DATE:
- 12. DATE OF FIRST SUB: SEE BLOCK 16
- 13. DATE OF SUBS.SUB:
- 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
- 15. TOTAL:
- 16. REMARKS:

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 12 - All ROMs shall be submitted within ten (10) business days from the date of the ROM request unless otherwise indicated by the Government.

BLK 14 - Submission shall be via electronic mail (e-mail). The submission shall be prepared and delivered in current Microsoft Office software suite using the contractors format. E-mail address or delivery requirement will be identified in the work directive.

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

- A. CONTRACT LINE ITEM NO NSP
- B. EXHIBIT:
- C. CATEGORY: OTHER
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:

- 1. DATA ITEM NO. A005
- 2. TITLE OF DATA ITEM: Work Directive Matrix
- 3. SUBTITLE:
- 4. AUTHORITY: DI-MISC-80508B
- 5. CONTRACT REFERENCE: SOW Para C.2.6.6
- 6. REQUIRING OFFICE: PM MRAP
- 7. DD250 REQ: LT 8. APP CODE: A
- 9. DIST. STATEMENT REQUIRED: C
- 10. FREQUENCY: Monthly
- 11. AS OF DATE:
- 12. DATE OF FIRST SUB: SEE BLOCK 16
- 13. DATE OF SUBS.SUB: As REQ in WD
- 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

- To be determined in the Work Directive To be determined in the Work Directive
- 15. TOTAL:
- 16. REMARKS:

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 12 Format and content of Work Directive Matrix will be reviewed during the contract start-of-work meeting for Government concurrence.

BLK 14 - Submission shall be via electronic mail (e-mail). The submission shall be prepared and delivered in current Microsoft Office software suite using the contractors format. E-mail address or delivery requirement will be identified in the work directive.

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

- A. CONTRACT LINE ITEM NO NSP
- B. EXHIBIT:
- C. CATEGORY: OTHER
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A006
2. TITLE OF DATA ITEM: Monthly Cost Report
3. SUBTITLE:
4. AUTHORITY DI-FNCL-80912
5. CONTRACT REFERENCE: SOW Para C.2.9.2.1
6. REQUIRING OFFICE: PM MRAP
7. DD250 REQ: LT
8. APP CODE:
9. DIST. STATEMENT REQUIRED: D
10. FREQUENCY: Monthly
11. AS OF DATE:
12. DATE OF FIRST SUB: SEE BLOCK 16
13. DATE OF SUBS.SUB:
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive
15. TOTAL:
16. REMARKS:

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT D: Distribution authorized to the Department of Defense and US DoD Contractors only. Other requests for this document shall be referred to the PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLOCK 12 -Report shall be submitted electronically in contractor format using Microsoft Office software suite no later than the 25th calendar day of the month following the report period.

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A008
2. TITLE OF DATA ITEM: Monthly STS Work Directive Report
3. SUBTITLE:
4. AUTHORITY: DI-FCNL-8046
5. CONTRACT REFERENCE: SOW Para C.2.9.4
6. REQUIRING OFFICE: PM MRAP
7. DD250 REQ: LT
8. APP CODE:
9. DIST. STATEMENT REQUIRED: D
10. FREQUENCY: Monthly
11. AS OF DATE:
12. DATE OF FIRST SUB: SEE BLOCK 16
13. DATE OF SUBS.SUB: As REQ in WD
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive
15. TOTAL:
16. REMARKS:

Report to include the following:

- 1) WD Number
- 2) WD Manager
- 3) WD Title
- 4) Labor Hours Authorized
- 5) Labor Hours Expended This Period
- 6) Labor Hours Expended Cumulative
- 7) Percent of Total Labor Hours Expended
- 8) Labor Hrs Remaining / Required to Complete
- 9) Dollars Authorized Labor

- 10) Dollars Authorized ODCs / Material
- 11) Dollars Expended This Period Labor
- 12) Dollars Expended This Period ODCs / Material
- 13) Dollars Expended Cumulative Labor
- 14) Dollars Expended Cumulative ODCs / Material
- 15) Percent of Total Dollars Spent to Date
- 16) Dollars Remaining / Required to Complete

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT D: Distribution authorized to Department of Defense and US DoD Contractors only. Other requests for this document shall be referred to the PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLOCK 12 Monthly Work Directive Report shall be submitted electronically in contractor format using Microsoft Office software starting 30 days after contract award date.

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

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

- 1. DATA ITEM NO. A009
- 2. TITLE OF DATA ITEM: Contractor Manpower Reporting
- 3. SUBTITLE:
- 4. AUTHORITY: AR 70-13 Management and Oversight of Service Acquisitions, Chapter 5-1
- 5. CONTRACT REFERENCE: SOW Para C.2.9.5.1
- 6. REQUIRING OFFICE: PM MRAP
- 7. DD250 REQ: LT
- 8. APP CODE: A
- 9. DIST. STATEMENT REQUIRED: C
- 10. FREQUENCY: Annual
- 11. AS OF DATE: See BLK 16
- 12. DATE OF FIRST SUB: Not Later than 31 October, see BLK 16
- 13. DATE OF SUBS.SUB: Annual, SEE BLOCK 16
- 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive
- 15. TOTAL:
- 16. REMARKS:

BLK 9 - The following information shall be included on the deliverable. DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

Contractor shall submit data via the Pentagon website NLT 31 October of each calendar year.

E-mail notification to PM-MRAP that data was submitted is required.

BLKs 11, 12 and 13: Reporting period will be the period of performance not to exceed 12 months ending 30 September of each Government Fiscal Year and must be reported by 31 October of each Calendar Year. <https://contractormanpower.army.pentagon.mil>

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

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

- 1. DATA ITEM NO. A010
- 2. TITLE OF DATA ITEM: INDENTURED BILL OF MATERIALS (IBOM)
- 3. SUBTITLE:
- 4. AUTHORITY (Dt of Acq Document No.) DI-SESS-81656

- 5. CONTRACT REFERENCE: SOW Para C.3.1.2
- 6. REQUIRING OFFICE: PM MRAP
- 7. DD250 REQ: LT
- 8. APP CODE:
- 9. DIST. STATEMENT REQUIRED: D
- 10. FREQUENCY: ONE/R
- 11. AS OF DATE:
- 12. DATE OF FIRST SUB: See Block 16
- 13. DATE OF SUBS.SUB:
- 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
- 15. TOTAL:
- 16. REMARKS:

BLK 4 An IBOM profiling the embedded subassemblies, components and parts shall be delivered as requested. The Data Report will be submitted as an electronic database in Contractor format. The following field information shall be identified:

- Prime Contractor
- Original Equipment Manufacturer (OEM) and Subsequent Purchased Item
- OEM Parent Part #
- OEM Child Assembly Part #
- Part Level Revision Number
- Level of Product Structure Indenture of the Part of Item
- Assigned National Stock Number (NSN) to the Item#, if known
- Subcontractor Name and Part Number (if available)
- Item or Part Cage #
- Part Nomenclature (to ensure the same nomenclature is used on all 2D-3D models, drawings, parts list, manuals, IBOM, ICD, etc.)
- Quantity of the Item of Part Required Per Assembly
- Unit of Measure of the Item or Part
- Drawing/Document #
- Drawings Number CAGE #
- Drawing Nomenclature
- Drawing Revision #
- Drawing Type (Assembly, Interface Control Diagram, etc.)
- Contractor Assigned IUID #

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION

STATEMENT D: Distribution authorized to the

Department of Defense and US DoD Contractors only. Other requests for this document shall be referred to the PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLOCK 12 To be determined in work directive.

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

- A. CONTRACT LINE ITEM NO NSP
- B. EXHIBIT:
- C. CATEGORY: OTHER
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:
  - 1. DATA ITEM NO. A013
  - 2. TITLE OF DATA ITEM: FAILURE ANALYSIS AND CORRECTIVE ACTION REPORT
  - 3. SUBTITLE: FAILURE SUMMARY AND ANALYSIS REPORT
  - 4. AUTHORITY (Dt of Acq Document No.) DI-RELI-80255/DI-SESS-81315B
  - 5. CONTRACT REFERENCE: SOW Para C.4.20.2.1
  - 6. REQUIRING OFFICE: PM MRAP
  - 7. DD250 REQ: LT
  - 8. APP CODE:
  - 9. DIST. STATEMENT REQUIRED: C
  - 10. FREQUENCY: ASREQ
  - 11. AS OF DATE: ASREQ
  - 12. DATE OF FIRST SUB: SEE BLOCK 16

13. DATE OF SUBS.SUB: AS REQ

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

Submit per TIR as required.

BLOCK 9: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLOCK 12: The contractor shall investigate and provide a failure analysis and corrective action to all TIRs generated against supplies produced under the contract after receipt of each TIR. The report shall contain tables, photographs, and narrative analysis of quality status, problems, and corrective action taken.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: Other

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A014

2. TITLE OF DATA ITEM: SAFETY ASSESSMENT REPORT (SAR)/UPDATE and HAZARD LOG

3. SUBTITLE:

4. AUTHORITY (Dt of Acq Document No.) DI-SAFT-80102B (CSA-PROD)

5. CONTRACT REFERENCE: SOW Para C.4.2.2.13, C.4.5.3.3, C.4.6.2.1, C.4.6.2.2, C.4.6.3, C.11.49

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE:

9. DIST. STATEMENT REQUIRED: C

10. FREQUENCY: ONE/R

11. AS OF DATE:

12. DATE OF FIRST SUB: See Block 16

13. DATE OF SUBS.SUB: See Block 16

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

The report shall be organized to clearly differentiate items/issues applicable to each MRAP Vehicle category and those applicable to all categories.

Block 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25. Block 12 - The Contractor shall provide a copy of the SAR to the Government 30 days prior to commencement of Developmental Test. The Government requires 20 days to review and comment. The Contractor shall develop, maintain, and provide a copy of the Hazard Log in Contractor's format to meet the requirements identified in BLK 5 to the Government 30 days prior to the commencement of Developmental Test. The Government requires 20 days to review and comment.

Block 13 - Submit final, with Government comments incorporated, 10 days after receipt of Government comments. In the event the vehicle system is modified or procedural changes are made, the Contractor shall update the SAR to reflect those modifications or changes. The Contractor shall submit an updated SAR. After this second SAR delivery, the Contractor shall provide updated SAR change page notices within 30 days after any new modification or change is implemented. In addition, the Contractor shall immediately notify the Government (within 24 hours) via phone or fax if new hazards or increased risk/hazard probability levels are identified while Government testing is ongoing.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY:

- D. SYSTEM/ITEM: MRAP Vehicle  
E. CONTRACT/PR NO.:  
F. CONTRACTOR:  
1. DATA ITEM NO. A015  
2. TITLE OF DATA ITEM: HUMAN SYSTEMS INTEGRATION/MANPOWER AND PERSONNEL INTEGRATION (MANPRINT)  
3. SUBTITLE:  
4. AUTHORITY: DI-HFAC-81743A Human Systems Integration Program Plan  
5. CONTRACT REFERENCE: C.4.2.2.1  
6. REQUIRING OFFICE: PM MRAP  
7. DD250 REQ:  
8. APP CODE: A  
9. DIST. STATEMENT REQUIRED: C  
10. FREQUENCY: To be determined in Work Directive  
11. AS OF DATE:  
12. DATE OF FIRST SUB:  
13. DATE OF SUBS.SUB: To be determined in the Work Directive  
14. DISTRIBUTION: To be determined in Work Directive A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive  
15. TOTAL:  
16. REMARKS:

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 12 - The Contractor shall participate in the MANPRINT IPT meetings and The Contractor shall utilize AR 602-2 as a guide for the MANPRINT program. The Contractor shall ensure that soldier-related manpower and training costs are minimized while retaining maximum mission effectiveness through system design and the optimum use MPT resources. All designs and modifications shall be analyzed to ensure maximum use of available MPT resources within the appointed unit. The Contractor shall identify MPT shortfalls or issues and implement appropriate resolutions. The Contractor shall ensure that the vehicles operation, maintenance & repair activities and procedures shall accommodate a wide range of individual physical capabilities from the 5th percentile female to the 95th percentile male. The Contractor shall identify HFE shortfalls or issues and implement appropriate resolutions. The Contractor shall utilize MIL-STD-1472F as a guide for managing HFE. The Contractor shall utilize an existing SSv or establish an SSv program to evaluate the systems ability to reduce fratricide; reduce detectability, reduce the probability of being attacked; prevent damage; minimize injury, and reduce mental and physical fatigue.

BLK 14 - The submission shall be prepared and delivered in current Microsoft Office software suite. Submission shall be via electronic mail (e-mail) to the POC identified in the work directive.

17. PRICE GROUP:  
18. ESTIMATED TOTAL PRICE:

- A. CONTRACT LINE ITEM NO NSP  
B. EXHIBIT:  
C. CATEGORY: Other  
D. SYSTEM/ITEM: MRAP Vehicle  
E. CONTRACT/PR NO.:  
F. CONTRACTOR:  
1. DATA ITEM NO. A016  
2. TITLE OF DATA ITEM: SYSTEM SAFETY PROGRAM PLAN (SSPP)  
3. SUBTITLE: CONFIGURATION MANAGEMENT DOCUMENTS  
4. AUTHORITY (Dt of Acq Document No.) DI-SAFT-81626  
5. CONTRACT REFERENCE: SOW Para C.4.2.2.2  
6. REQUIRING OFFICE: PM MRAP  
7. DD250 REQ: LT  
8. APP CODE:  
9. DIST. STATEMENT REQUIRED: C  
10. FREQUENCY: ONE/R  
11. AS OF DATE:  
12. DATE OF FIRST SUB: See Block 16  
13. DATE OF SUBS.SUB: See Block 16  
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive  
15. TOTAL:  
16. REMARKS:

The report shall be organized to clearly differentiate items/issues applicable to each MRAP Vehicle category and those applicable to all categories.

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLOCK 12 - The Contractor shall provide a copy of the SSPP to the Government 30 days after award of a work directive. The Government requires 20 days to review and comment.

BLOCK 13 - Submit final, with Government comments incorporated, 10 days after receipt of Government comments.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: Other

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A017

2. TITLE OF DATA ITEM: ENVIRONMENTAL ASSESSMENT

3. SUBTITLE:

4. AUTHORITY SAE-J1777

5. CONTRACT REFERENCE: SOW Para C.4.2.2.12

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE:

9. DIST. STATEMENT REQUIRED: A

10. FREQUENCY: ONE/R

11. AS OF DATE:

12. DATE OF FIRST SUB: See Block 16

13. DATE OF SUBS.SUB: SUBMISSION ASREQ

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

BLOCK 12 - The Contractor shall provide an environmental impact statement 120 days after award of a work directive. The Government requires 20 days to review and comment. Contractor shall incorporate final comments and submit to USG within 30 days of USG's comments.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A019

2. TITLE OF DATA ITEM: TEST SUPPORT/TEST SUPPORT PLAN

3. SUBTITLE:

4. AUTHORITY (Dt of Acq Document No.) DI-SESS-81525B

5. CONTRACT REFERENCE: SOW Para C.4.14.5.12

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE:

9. DIST. STATEMENT REQUIRED: C

10. FREQUENCY: ONE/R

11. AS OF DATE:

12. DATE OF FIRST SUB: SEE BLOCK 16

13. DATE OF SUBS.SUB: SEE BLOCK 16

## 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

## 15. TOTAL:

## 16. REMARKS:

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLOCK 12 & 13 - The Contractor shall provide a test support plan 30 days after issue of a work directive. The Government will review and provide comments 5 days after receipt. Contractor shall incorporate final comments and submit to USG within 5 days of USGs comments.

## 17. PRICE GROUP:

## 18. ESTIMATED TOTAL PRICE:

## A. CONTRACT LINE ITEM NO NSP

## B. EXHIBIT:

## C. CATEGORY: OTHER

## D. SYSTEM/ITEM: MRAP Vehicle

## E. CONTRACT/PR NO.:

## F. CONTRACTOR:

## 1. DATA ITEM NO. A020

## 2. TITLE OF DATA ITEM: TECHNICAL REPORT-STUDY/SERVICES

## 3. SUBTITLE:

## 4. AUTHORITY (Dt of Acq Document No.) DI-MISC-80508B

## 5. CONTRACT REFERENCE: SOW Para C.4.20.1.2, C.4.20.1.8

## 6. REQUIRING OFFICE: PM MRAP

## 7. DD250 REQ: LT

## 8. APP CODE:

## 9. DIST. STATEMENT REQUIRED: C

## 10. FREQUENCY: ASREQ

## 11. AS OF DATE:

## 12. DATE OF FIRST SUB: ASREQ in WD

## 13. DATE OF SUBS.SUB: ASREQ in WD

## 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

## 15. TOTAL:

## 16. REMARKS:

BLOCK 9: The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to the PM MRAP.

Submittals should be annotated: WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

## 17. PRICE GROUP:

## 18. ESTIMATED TOTAL PRICE:

## A. CONTRACT LINE ITEM NO NSP

## B. EXHIBIT:

## C. CATEGORY: Other

## D. SYSTEM/ITEM: MRAP Vehicle

## E. CONTRACT/PR NO.:

## F. CONTRACTOR:

## 1. DATA ITEM NO. A021

## 2. TITLE OF DATA ITEM: TECHNICAL REPORT

## 3. SUBTITLE: CONFIGURATION MANAGEMENT DOCUMENTS

## 4. AUTHORITY (Dt of Acq Document No.) DI-MISC--80508B

## 5. CONTRACT REFERENCE: SOW Para C.4.5.3, C.4.20.1.9

## 6. REQUIRING OFFICE: PM MRAP

## 7. DD250 REQ: LT

## 8. APP CODE:

## 9. DIST. STATEMENT REQUIRED: C

## 10. FREQUENCY: ONE/R

## 11. AS OF DATE: ASREQ

## 12. DATE OF FIRST SUB: ASREQ in WD

- 13. DATE OF SUBS.SUB: ASREQ in WD
- 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive
- 15. TOTAL:
- 16. REMARKS:

BLK 9 - The following information shall be included on the deliverable. DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP.  
WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25. All documents will be delivered in contractor format using Microsoft Word or other editable Government approved software.

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

- A. CONTRACT LINE ITEM NO NSP
- B. EXHIBIT:
- C. CATEGORY: OTHER
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:
  - 1. DATA ITEM NO. A022
  - 2. TITLE OF DATA ITEM: CONFIGURATION STATUS ACCOUNTING (CSA) INFORMATION
  - 3. SUBTITLE: CONFIGURATION MANAGEMENT
  - 4. AUTHORITY (Dt of Acq Document No.) DI-CMAN-81253A.
  - 5. CONTRACT REFERENCE: SOW Para C.5.12.1
  - 6. REQUIRING OFFICE: PM MRAP
  - 7. DD250 REQ: LT
  - 8. APP CODE:
  - 9. DIST. STATEMENT REQUIRED: C
  - 10. FREQUENCY: ASREQ in WD
  - 11. AS OF DATE: 45 DAYS AFTER COMPLETION OF FIRST PRODUCTION VEHICLE
  - 12. DATE OF FIRST SUB: SEE BLOCK 16
  - 13. DATE OF SUBS.SUB: ASREQ in WD
  - 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive

- 15. TOTAL:
- 16. REMARKS:

BLK 9 -The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

CSA Reports shall be submitted electronically. Contractor format is authorized.

CSA Reports text files shall be created using MICROSOFT \\'a9 (.doc) or ADOBE \\'a9 (.pdf) formatted software products.

CSA Reports accompanying figures or graphics shall be created using a MICROSOFT\\'a9 or ADOBE\\'a9 formatted with a minimum density of 600 dpi.

At a minimum, CSA Reports shall provide:

  - Vendor Part Number and CAGE
  - Vendor Serial Number
  - Part Nomenclature
  - ECP Number
  - Modification Instruction (MI) Number (if applicable)
  - Date of ECP Implementation and date of MI Installation completion.

BLOCK 12 Date of first submission shall be forty-five (45) days after completion of first production unit.

CSA Reports submission/notification shall be sent to the COR.
- 17. PRICE GROUP:
- 18. ESTIMATED TOTAL PRICE:

- A. CONTRACT LINE ITEM NO NSP
- B. EXHIBIT:
- C. CATEGORY: OTHER
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A024
2. TITLE OF DATA ITEM: ENGINEERING CHANGE PROPOSAL (ECP)
3. SUBTITLE: CONFIGURATION MANAGEMENT
4. AUTHORITY (Dt of Acq Document No.) DI-CMAN-80639C
5. CONTRACT REFERENCE: SOW Para C.5.9
6. REQUIRING OFFICE: PM MRAP
7. DD250 REQ: LT
8. APP CODE: N/A
9. DIST. STATEMENT REQUIRED: C
10. FREQUENCY: ASREQ
11. AS OF DATE:
12. DATE OF FIRST SUB: SEE BLOCK 16
13. DATE OF SUBS.SUB: SEE BLOCK 16
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive
15. TOTAL:
16. REMARKS:

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25

BLKS 10, 12 & 13 - ECPs shall be submitted to obtain authorization to deliver non-conforming materials or utilize processes which do not meet prescribed configuration documentation. Point of contact for questions shall be directed to the Government Configuration Manager and COR. Prepare ECPs using the Government Approved System software application.

An Engineering Change Proposal (ECP) provides the documentation in which a product change is described to a vehicle production or aftermarket service kit that has been formally baselined through PCA effort. It includes change impacts to systems, configuration items and associated configuration documentation affected by the proposed change. It describes how the proposed change will be implemented along with providing estimated schedules and associated costs. A Notice of Revision (NOR) will be provided with each Major (Class I) Engineering Change Proposal.

The Major Change Request shall be prepared in DD form 1692 format.

The ECP content shall include, where applicable, the following information:

- a. the change priority, change classification, and change justification
- b. a complete description of the change to be made and the need for that change
- c. complete listing of other configuration items impacted by the proposed change and a description of the impact on those CIs.
- d. proposed changes to documents controlled by the government.
- e. proposed serial (or lot) number effectivities of units to be produced in, or
1. retrofitted to, the proposed configuration.
- f. recommendation about the way a retrofit should be accomplished.
- g. impacts to any logistics support elements (such as software, manuals, spares, tools, and similar) being utilized by government personnel in support of the product.
- h. impacts to the operational use of the product
- i. complete estimated life-cycle cost impact of the proposed change
- j. milestones relating to the processing and implementation of the change
- k. impacts IUID requirements

Prepare ECP DD Form 1692 using unrestricted Microsoft Office Word (docx) or unrestricted Adobe Acrobat Format (PDF). Enclosure list shall be in Microsoft Office Excel (xlsx). The drawings will be in unrestricted Adobe Acrobat Format (PDF).

The ECP number shall be unique once assigned and retained for all subsequent submissions. The Contractor shall submit revised ECPs by using the original number and adding a suffix of R1,R2.

BLK 14 - The electronic submittal shall be via the Advanced Collaborative Environment (ACE). See Attachment 0008.

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

- A. CONTRACT LINE ITEM NO NSP
- B. EXHIBIT:
- C. CATEGORY: OTHER
- D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A025
2. TITLE OF DATA ITEM: NOTICE OF REVISION (NOR)
3. SUBTITLE:
4. AUTHORITY (Dt of Acq Document No.) DI-CMAN-80642C
5. CONTRACT REFERENCE: SOW Para C.5.9
6. REQUIRING OFFICE: PM MRAP
7. DD250 REQ: LT
8. APP CODE: N/A
9. DIST. STATEMENT REQUIRED: C
10. FREQUENCY: ASREQ
11. AS OF DATE:
12. DATE OF FIRST SUB: ASREQ
13. DATE OF SUBS.SUB: ASREQ
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLKs 10, 12 & 13 - The Contractor shall utilize the Government Approved System in the preparation and submission of NORs. Submission of NORs shall be concurrent with the Government Approved System Class I ECP submittals.

Prepare NOR DD Form 1695 using unrestricted Microsoft Office Word (docx) or unrestricted Adobe Acrobat Format (PDF). Enclosure list shall be in Microsoft Office Excel (xlsx). The drawings will be in unrestricted Adobe Acrobat Format (PDF)

The NOR number shall be unique once assigned and retained for all subsequent submissions. The Contractor shall submit revised NORs by using the original number and adding a suffix of R1,R2.

BLK 14 - The electronic submittal shall be via the Advanced Collaborative Environment (ACE). See Attachment 0008.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A026
2. TITLE OF DATA ITEM: REQUEST FOR DEVIATION
3. SUBTITLE: CONFIGURATION MANAGEMENT
4. AUTHORITY (Dt of Acq Document No.) DI-CMAN-80640C
5. CONTRACT REFERENCE: SOW Para C.5.9
6. REQUIRING OFFICE: PM MRAP
7. DD250 REQ: LT
8. APP CODE: N/A
9. DIST. STATEMENT REQUIRED: C
10. FREQUENCY: ASREQ in WD
11. AS OF DATE:
12. DATE OF FIRST SUB: ASREQ in WD
13. DATE OF SUBS.SUB: ASREQ in WD
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLKs 10, 12 & 13 Point of contact for the Government Approved System questions may be directed to the Government Configuration Manager,

the PCO and the COR. The RDF shall be submitted to obtain authorization to deliver non-conforming materials or utilize processes which do not meet prescribed configuration document. RFD submission notification shall be sent to the COR and PCO. Prepare RFDs using the Government Approved System software application. Prepare RFD DD Form 1694 using unrestricted Microsoft Office Word (docx) or unrestricted Adobe Acrobat Format (PDF). Enclosure list shall be in Microsoft Office Excel (xlsx). The drawings will be in unrestricted Adobe Acrobat Format (PDF).

The numbering sequence shall run consecutively and shall not total over 15 characters, to include any dashes or revision identifiers. The RFD number shall be unique once assigned and retained for all subsequent submissions. The Contractor may submit revised RFDs by using the original number and adding a suffix of R1,R2\'85

Letter of transmittal shall be provided to the COR and PCO.

BLK 14 - The electronic submittal shall be via the Advanced Collaborative Environment (ACE). See Attachment 0008. Required E-mail addresses will be identified in the work directive.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A027

2. TITLE OF DATA ITEM: INTEGRATED MASTER SCHEDULE (IMS) UPDATES

3. SUBTITLE:

4. AUTHORITY (DI-MGMT-81650

5. CONTRACT REFERENCE: SOW Para C.6.1.1

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE:

9. DIST. STATEMENT REQUIRED: C

10. FREQUENCY: Quaterly

11. AS OF DATE:

12. DATE OF FIRST SUB: SEE BLOCK 16

13. DATE OF SUBS.SUB: SEE BLOCK 16

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLOCK 12 - First IMS update shall be submitted 15 days after issue of a work directive.

BLOCK 13 - The Contractor shall submit updates to the Government on a quarterly basis to coincide with IPRs.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A028

2. TITLE OF DATA ITEM: LIFE CYCLE SUSTAINMENT (LCS) PLAN

3. SUBTITLE: LCS

4. AUTHORITY (Dt of Acq Document No.) DoD Instruction 5000.02

5. CONTRACT REFERENCE: SOW Para C.6.1.1

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: DD

8. APP CODE: A

9. DIST. STATEMENT REQUIRED: D

10. FREQUENCY: INITIAL/W REVISIONS SEMI-ANNUALLY

- 11. AS OF DATE:
- 12. DATE OF FIRST SUB: SEE BLOCK 16
- 13. DATE OF SUBS.SUB: SEE BLOCK 16
- 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive
- 15. TOTAL:
- 16. REMARKS:

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT D: Distribution authorized to the Department of Defense and US DoD Contractors only. Other requests for this document shall be referred to the PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLOCK 12 - Initial report due will be stated in Work Directive. The Contractor shall continually conduct life cycle sustainment analyses on all MRAP vehicles. Contractor format is acceptable. The Contractor shall identify potential life cycle sustainment issues that will jeopardize the equipments continued supportability throughout the life cycle. The LCS analysis shall consider Continuous Technology Refreshment (CTR) initiatives, obsolescence elimination initiatives, weapon system concurrency issues, Prognostics/Embedded diagnostics applications, failure analysis and define recommended remedies/courses of action in an overall effort to reduce total life cycle cost and to ensure continued sustainability, reliability, maintainability, and operability.

Block 13 -The contractor shall submit updates to their LCS Plan semi-annually.

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

- A. CONTRACT LINE ITEM NO NSP
- B. EXHIBIT:
- C. CATEGORY: OTHER
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:

- 1. DATA ITEM NO. A029
- 2. TITLE OF DATA ITEM: INTEGRATED SUPPORT PLAN (ISP)
- 3. SUBTITLE:
- 4. AUTHORITY (Dt of Acq Document No.) DI-ILSS-80395
- 5. CONTRACT REFERENCE: SOW Para C.6.8
- 6. REQUIRING OFFICE: PM MRAP
- 7. DD250 REQ: LT
- 8. APP CODE: NA
- 9. DIST. STATEMENT REQUIRED: C
- 10. FREQUENCY: SEE BLOCK 16
- 11. AS OF DATE:

- 12. DATE OF FIRST SUB: SEE BLOCK 16
- 13. DATE OF SUBS.SUB: ASREQ
- 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive
- 15. TOTAL:
- 16. REMARKS:

BLOCK 4: The ISP shall address sections 1,2,3,4,5,6 of DI-ILSS-80395 and will be used by the Government to evaluate, monitor and approve the Contractors planning and performance of the ILS Program tasks as specified in the work directive. This ISP shall address all ten elements of logistics. The referenced DID, work directive reference, the SOW and the below shall be used as guidance in the development of logistics and supportability planning.

Section 1 Introduction: Purpose, ISP summary and Updating Process and Frequency shall be addressed.

Section 2 Summary of System Characteristics: This section shall be formatted and contain the data indicated in each of the subparagraphs in this section. Emphasis shall be placed on addressing availability, reliability, quantitative maintainability requirements, and maintainability design criteria. Quantitative maintainability requirements shall include the requirements for test points, manpower and personnel constraints and other requirements as applicable.

Section 3 ILS Program Management, Organization and Execution All subparagraphs and data requirements in this section shall be addressed. Particular emphasis shall be placed the Contractors Design Interface Planning and Reporting (Section 3B and subparagraphs). The Contractors Integration efforts, appropriate intermeshing, and control and reporting mechanisms of all engineering, design and management efforts (with particular emphasis on Reliability, Availability, and Maintainability, training development, technical manual development, etc shall be emphasized) Section 4 ILS Program Tasks. This section shall contain a detailed description of how the Contractor shall accomplish all ILS program tasks contained in the ILS elements addressed throughout the Statement of Work. Heavy emphasis shall be placed on the maintenance planning and integration with all other ILS elements (such as provisioning, training, technical manual, etc.).

Section 5: Milestone Schedules. A Master Milestone Schedules shall be presented for all contractually binding ILS support areas

addressed in the Contract and SOW. Heavy emphasis shall be placed on development and integration of Plans of Actions and Milestones (POA&Ms) to fulfill training requirements, technical manual development requirements, provisioning efforts, contract support requirements, supply support requirements and any interim Contractor support requirements for testing. This Government-approved POA&M shall serve as the basis for contractual delivery requirements referenced, as referenced in Training and other CDRLS. Section 6- Related Plans MIL-PRF-49506, App A paragraphs A.2, A.3, A.4, A.6, A.9 may be used as reference for the creation of plans to address each of the logistics element areas. Maintenance Support Plan of the vehicle system, equipment, and hardware as part of the ISP. The Maintenance Plan/Summary shall describe the specific maintenance requirements and maintenance tasks at each maintenance level as well as the support requirements for the ITV. Heavy emphasis will be placed on the Contractors maintenance plan and its integration with all other ILS elements as outlined in this SOW.

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLOCK 12 - Draft ISP presented 30 days after issuance of a work directive.

Final presented not later than 60 days after issuance of a work directive.

Update required as specified in the work directive.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A030

2. TITLE OF DATA ITEM: REPAIRABLE ITEMS LIST (RIL)

3. SUBTITLE: REPAIRABLE ITEMS LIST

4. AUTHORITY (Dt of Acq Document No.) DI-SESS-81359B

5. CONTRACT REFERENCE: SOW Para C.6.14.2.1.1, C.7.10

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: DD

8. APP CODE:

9. DIST. STATEMENT REQUIRED: C

10. FREQUENCY: UPON DEL OF EDFP

11. AS OF DATE:

12. DATE OF FIRST SUB: SEE BLOCK 16

13. DATE OF SUBS.SUB: SEE BLOCK 16

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

BLOCK 4: Any reference to military documents may be used for guidance. Additionally, the following shall apply: Unless otherwise specified in the tailored provisioning requirements, the RIL may be prepared in the format of an LSA-036 Output Report. The Repairable Items List (RIL) shall contain those support items of a repairable nature used in the end item, component, or assembly.

BLOCK 9: The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLOCK 12: Upon delivery of the Engineering Drawings for Provisioning (EDFP) package the RIL shall be submitted for review by the Government. Upon completion of the provisioning conference, the Contractor shall incorporate Government required changes to the RIL and resubmit within 30 days for a final acceptance by the Government. Upon acceptance of the review the Contractor shall provide the corrected RIL to the Government within 30 days. Final acceptance notification will be supplied to the Contractor within 20 days of receipt of the corrected package.

BLOCK 13: If list has been modified, subsequent submission due 15 days prior to each scheduled IPR. Government will review and provide comments at the IPR. The Contractor shall incorporate Government comments and resubmit 15 days prior to the next scheduled IPR. This review cycle shall be continued until the Contractor receives acceptance from the Government.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:  
C. CATEGORY: OTHER  
D. SYSTEM/ITEM: MRAP Vehicle  
E. CONTRACT/PR NO.:  
F. CONTRACTOR:  
1. DATA ITEM NO. A031  
2. TITLE OF DATA ITEM: LOGISTICS MANAGEMENT INFORMATION (LMI) DATA PRODUCT  
3. SUBTITLE: PROVISIONING PLAN  
4. AUTHORITY (Dt of Acq Document No.) DI-ALSS-81529  
5. CONTRACT REFERENCE: SOW Para C.7.3  
6. REQUIRING OFFICE: PM MRAP  
7. DD250 REQ: LT  
8. APP CODE: A  
9. DIST. STATEMENT REQUIRED: C  
10. FREQUENCY: ASREQ  
11. AS OF DATE:  
12. DATE OF FIRST SUB: SEE BLOCK 16  
13. DATE OF SUBS.SUB: SEE BLOCK 16  
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive  
15. TOTAL:  
16. REMARKS:  
BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.  
BLOCK 10 - Two copies of Provisioning Plan provided at Provisioning Conference for Government review, approval/disapproval.  
BLOCK 12 & 13 - Submit in accordance with Provisioning Performance Schedule. Final delivery shall be submitted within 15 days of completion of the final Provisioning Conference.  
17. PRICE GROUP:  
18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP  
B. EXHIBIT:  
C. CATEGORY: OTHER  
D. SYSTEM/ITEM: MRAP Vehicle  
E. CONTRACT/PR NO.:  
F. CONTRACTOR:  
1. DATA ITEM NO. A032  
2. TITLE OF DATA ITEM: LEVEL OF REPAIR ANALYSIS (LORA)  
3. SUBTITLE:  
4. AUTHORITY (Dt of Acq Document No.) DI-MISC-80508B  
5. CONTRACT REFERENCE: SOW Para C.6.4.3.1.2, C.6.4.3.3, C.6.4.3.3, and C.6.13.4.5  
6. REQUIRING OFFICE: PM MRAP  
7. DD250 REQ: LT  
8. APP CODE:  
9. DIST. STATEMENT REQUIRED: C  
10. FREQUENCY: ASREQ  
11. AS OF DATE:  
12. DATE OF FIRST SUB: SEE BLOCK 16  
13. DATE OF SUBS.SUB:  
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive  
15. TOTAL:  
16. REMARKS:  
BLOCK 4: DI-MISC-80508B is supplemented to include the requirements of Contract Attachment 0015 Level of Repair Analysis (LORA)  
BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.  
BLOCK 12 Delivery schedule of LORA to be determined in work directive. Reference the DID for information requirements and format.

17. PRICE GROUP:  
18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP  
B. EXHIBIT:  
C. CATEGORY: OTHER  
D. SYSTEM/ITEM: MRAP Vehicle  
E. CONTRACT/PR NO.:  
F. CONTRACTOR:  
1. DATA ITEM NO. A033  
2. TITLE OF DATA ITEM: LOGISTICS MANAGEMENT INFORMATION (LMI) DATA PRODUCT  
3. SUBTITLE: COLLATERAL MATERIAL/BASIC ISSUE ITEMS BII  
4. AUTHORITY (Dt of Acq Document No.) DI-ALSS-81529  
5. CONTRACT REFERENCE: SOW Para C.6.14.2.1.2  
6. REQUIRING OFFICE: PM MRAP  
7. DD250 REQ: DD  
8. APP CODE: A  
9. DIST. STATEMENT REQUIRED: C  
10. FREQUENCY: ASREQ  
11. AS OF DATE:  
12. DATE OF FIRST SUB: SEE BLOCK 16  
13. DATE OF SUBS.SUB: SEE BLOCK 16  
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:  
16. REMARKS:  
BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.  
BLOCK 12 & 13 - Delivery schedule to be determined in work directive. The Government will provide comments within 15 days of receipt of the proposed list. The Contractor shall submit final lists within 5 days after receipt of Government comments. Do not ship until proper identification of parts is completed by Government.  
17. PRICE GROUP:  
18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP  
B. EXHIBIT:  
C. CATEGORY: TM  
D. SYSTEM/ITEM: MRAP Vehicle  
E. CONTRACT/PR NO.:  
F. CONTRACTOR:  
1. DATA ITEM NO. A034  
2. TITLE OF DATA ITEM: LOGISTICS MANAGEMENT INFORMATION (LMI) DATA PRODUCT  
3. SUBTITLE: BATTLE DAMAGE REPAIR LIST  
4. AUTHORITY (Dt of Acq Document No.) DI-ALSS-81529  
5. CONTRACT REFERENCE: SOW Para C.6.14.2.1.5  
6. REQUIRING OFFICE: PM MRAP  
7. DD250 REQ: DD  
8. APP CODE: A  
9. DIST. STATEMENT REQUIRED: C  
10. FREQUENCY: ASREQ  
11. AS OF DATE:  
12. DATE OF FIRST SUB: SEE BLOCK 16  
13. DATE OF SUBS.SUB: SEE BLOCK 16  
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:  
16. REMARKS:  
BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 12 & 13 - Delivery schedule to be determined in work directive. The Contractor shall submit final lists within 5 days after receipt of Government comments. Do not ship until proper identification of parts is completed by Government.

BLK 14 - Submission shall be via electronic mail (e-mail) to the COR and PCO. The submission shall be prepared and delivered in current Microsoft Office software suite.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A035

2. TITLE OF DATA ITEM: LOGISTICS MANAGEMENT INFORMATION (LMI) DATA PRODUCT

3. SUBTITLE: TOOLS AND TEST EQUIPMENT LIST

4. AUTHORITY (Dt of Acq Document No.) DI-ILSS-80868

5. CONTRACT REFERENCE: SOW Para C.6.14.2.1.6, C.7.7

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE: A

9. DIST. STATEMENT REQUIRED: C

10. FREQUENCY: ASREQ

11. AS OF DATE:

12. DATE OF FIRST SUB: SEE BLOCK 16

13. DATE OF SUBS.SUB: SEE BLOCK 16

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

BLOCK 4 Any reference to military documents may be used for guidance.

BLOCK 9 The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25. BLOCK 12 First submission due 90 days after issue of a work directive. The Government requires 30 days for review and comment.

BLOCK 13 If list has been modified, subsequent submission due 15 days prior to each scheduled IPR. Government will review and provide comments at the IPR. The Contractor shall incorporate Government comments and resubmit 15 days prior to the next scheduled IPR. This review cycle shall be continued until the Contractor receives acceptance from the Government. Final submission of data due 30 days prior to the end of work directive. Government requires 15 days to review and comment. Contractor shall incorporate comments and resubmit final data package within 15 days.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A036

2. TITLE OF DATA ITEM: LOGISTICS MANAGEMENT INFORMATION (LMI) DATA PRODUCT

3. SUBTITLE: COMMON AND BULK ITEMS LIST

4. AUTHORITY (Dt of Acq Document No.) DI-ALSS-81529

5. CONTRACT REFERENCE: SOW Para C.6.14.2.1.7, C.7.8

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE: A

9. DIST. STATEMENT REQUIRED: C

10. FREQUENCY: ASREQ

- 11. AS OF DATE:
- 12. DATE OF FIRST SUB: SEE BLOCK 16
- 13. DATE OF SUBS.SUB: SEE BLOCK 16
- 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive
- 15. TOTAL:
- 16. REMARKS:

BLOCK 4 Any reference to military documents may be used for guidance. Additionally, the following shall apply:  
The Common and Bulk Items List (CBIL) contains those items that are difficult or impractical to list on a top-down/disassembly sequence PPL, but for which provisioning is essential to support the operation of the end item/equipment. These items are subject to wear or failure, or otherwise required for maintenance, including planned maintenance of the end item/equipment. The Contractor will indicate the material and military/commercial specifications, whichever is applicable, including material type, grade, class, etc. The Contractor shall submit sufficient information to enable the Government to relate the material/specification number to the pertinent item. This list shall contain items of common hardware such as common nuts, bolts, screws, keys, washers, and fittings, except those of special design. The list shall also contain bulk items, such as electrical wire and cables, gasket material, tubing, hose, adhesives, paints, oils, grease, solvents, and metal and plastic stock, (e.g., rods and sheets). This list shall also contain common electrical and electronic parts such as connectors, contacts, resistors, capacitors, transistors and diodes. This list shall also contain peculiar, seldom rolled, seldom milled semi-fabricated items (less castings and forgings) and extrusions (rubber and metal).

BLOCK 9 The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLOCK 12 First submission due 90 days after issue of a work directive. The Government requires 30 days for review and comment.

BLOCK 13 If list has been modified, subsequent submission due 15 days prior to each scheduled IPR. Government will review and provide comments at the IPR. The Contractor shall incorporate Government comments and resubmit 15 days prior to the next scheduled IPR. This review cycle shall be continued until the Contractor receives acceptance from the Government. Final submission of data is due 30 days prior to the end of work directive. Government requires 15 days to review and comment. Contractor shall incorporate comments and resubmit final data package within 15 days.

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

- A. CONTRACT LINE ITEM NO NSP
- B. EXHIBIT:
- C. CATEGORY: OTHER
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:
- 1. DATA ITEM NO. A037
- 2. TITLE OF DATA ITEM: 1 YEAR FORWARD DEPLOYMENT SPARES/ PRESCRIBED LOAD LIST (PLL)
- 3. SUBTITLE:
- 4. AUTHORITY (Dt of Acq Document No.) DI-ALSS-81529
- 5. CONTRACT REFERENCE: SOW Para C.6.14.2.1.8
- 6. REQUIRING OFFICE: PM MRAP
- 7. DD250 REQ: DD
- 8. APP CODE: A
- 9. DIST. STATEMENT REQUIRED: C
- 10. FREQUENCY: ASREQ

- 11. AS OF DATE:
- 12. DATE OF FIRST SUB: SEE BLOCK 16
- 13. DATE OF SUBS.SUB: SEE BLOCK 16
- 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive
- 15. TOTAL:
- 16. REMARKS:

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.  
BLOCK 12 & 13 - Delivery schedule to be determined in work directive. The Government will provide comments within 15 days of receipt of the proposed list. The Contractor shall submit final lists within 5 days after receipt of Government comments. Do not ship until proper identification of parts is completed by Government.

MOD/AMD

ATT/EXH ID Exhibit A

PAGE 21

17. PRICE GROUP:  
18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP  
B. EXHIBIT:  
C. CATEGORY: OTHER  
D. SYSTEM/ITEM: MRAP Vehicle  
E. CONTRACT/PR NO.:  
F. CONTRACTOR:  
1. DATA ITEM NO. A038  
2. TITLE OF DATA ITEM: 1 YEAR MAINTENANCE WORKSHOP SPARES LIST/ AUTHORIZED STOCKAGE LIST (ASL)  
3. SUBTITLE: REPAIRABLE ITEMS LIST  
4. AUTHORITY (Dt of Acq Document No.) DI-ALSS-81529  
5. CONTRACT REFERENCE: SOW Para C.6.14.2.1.9  
6. REQUIRING OFFICE: PM MRAP  
7. DD250 REQ: LT  
8. APP CODE:  
9. DIST. STATEMENT REQUIRED: C  
10. FREQUENCY: ASREQ  
11. AS OF DATE:  
12. DATE OF FIRST SUB: SEE BLOCK 16  
13. DATE OF SUBS.SUB: ASREQ  
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive  
15. TOTAL:  
16. REMARKS:

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION  
STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.  
BLOCK 12 Delivery schedule to be determined in work directive. The Government will provide comments within 15 days of receipt of the proposed list. The Contractor shall submit final lists within 5 days after receipt of Government comments. Do not ship until proper identification of parts is completed by Government.  
17. PRICE GROUP:  
18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP  
B. EXHIBIT:  
C. CATEGORY: OTHER  
D. SYSTEM/ITEM: MRAP Vehicle  
E. CONTRACT/PR NO.:  
F. CONTRACTOR:  
1. DATA ITEM NO. A039  
2. TITLE OF DATA ITEM: LOGISTICS MANAGEMENT INFORMATION (LMI) DATA PRODUCT  
3. SUBTITLE: DEPROCESSING LIST  
4. AUTHORITY (Dt of Acq Document No.) DI-ALSS-81529  
5. CONTRACT REFERENCE: SOW Para C.6.14.2.1.10  
6. REQUIRING OFFICE: PM MRAP  
7. DD250 REQ: DD  
8. APP CODE: A  
9. DIST. STATEMENT REQUIRED: C  
10. FREQUENCY: ASREQ  
11 AS OF DATE:  
12. DATE OF FIRST SUB: SEE BLOCK 16  
13. DATE OF SUBS.SUB:SEE BLOCK 16  
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL  
To be determined in the Work Directive To be determined in the Work Directive  
15. TOTAL:  
16. REMARKS:

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLOCK 12 & 13 - Delivery schedule to be determined in work directive. The Government will provide comments within 30 days of receipt of the proposed list. The Contractor shall submit final lists within 30 days after receipt of Government comments. Do not ship until proper identification of parts is completed by Government.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A040

2. TITLE OF DATA ITEM: LOGISTICS MANAGEMENT INFORMATION (LMI) DATA PRODUCT

3. SUBTITLE: ENGINEERING DATA FOR PROVISIONING

4. AUTHORITY (Dt of Acq Document No.) DI-SESS-8100D

5. CONTRACT REFERENCE: SOW Para C.7.11

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE: A

9. DIST. STATEMENT REQUIRED: C

10. FREQUENCY: ASREQ

11. AS OF DATE:

12. DATE OF FIRST SUB: SEE BLOCK 16

13. DATE OF SUBS.SUB: SEE BLOCK 16

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

BLOCK 4 Any reference to military documents may be used for guidance. Additionally, the following shall apply:

A. General. The Engineering Data for Provisioning (EDFP) is data used in the initial provisioning of support resources. For the purposes of this requirement, the definition of EDFP is the technical data, which provides definitive identification of dimensional, material, mechanical, electrical, or other characteristics adequate for provisioning of the support items of the end item article(s) on contract. EDFP consists of data such as specifications, standards, drawings, photographs, sketches and descriptions, and the necessary assembly and general arrangement drawings, schematic drawings, schematic diagrams, wiring and cable diagrams, etc., needed to indicate the physical characteristics, location and function of the item, or what is sometimes referred to as form, fit, and function. This data is used to accomplish the provisioning process and is required to perform provisioning.

B. Order Of Precedence. EDFP for the purposes of this requirement, is required in the following order of precedence for those items requiring EDFP and not supported by Government or recognized industry specifications or standards:

1. Technical data equivalent to approved Product Engineering Drawings as defined under MIL-T-31000.

2. Technical data equivalent to in-process / incomplete Product Engineering Drawings as defined under MIL-T-31000

3. Commercial Drawings.

4. Commercial Manuals, Catalogs or Catalog Descriptions.

5. Sketches or photographs with descriptions of dimensional, material, mechanical, electrical, or other descriptive characteristics.

C. EDFP Content. The EDFP provide for the following:

1. Technical identification of items for maintenance support considerations.

2. Preparation of item identification for the purpose of assigning National Stock Numbers (NSNs).

3. Review for Item Entry Control.

4. Standardization.

5. Review for potential Interchangeability and Substitutability.

6. Item Management Coding.

7. Preparation of Allowance / Issue Lists.

8. Source, Maintenance, and Recoverability Coding.

D. EDFP Not Required. EDFP shall not be provided when the item is:

1. Identified by a Government specification or standard, which completely describes the item including its material, dimensional, mechanical, and electrical characteristics.

2. Identified in the Federal Logistics Information System (FLIS) with a Type Item Identification of 1, 1A (K), or 1B (L).

3. Item is listed as a reference item (subsequent appearance of an item) on a parts list.

BLOCK 9 The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLOCK 12 First submission due 10 days after Government approved verification unless no verification held, 10 days after validation. The Government requires 30 days for review and comment.

BLOCK 13 Subsequent data due 15 days prior to each scheduled IPR. Government will review and provide comments at the IPR. The Contractor shall incorporate Government comments and resubmit 15 days prior to the next scheduled IPR. This review cycle shall be continued until the Contractor receives acceptance from the Government. Final submission of data is due 30 days prior to the end of work directive. Government requires 15 days to review and comment. Contractor shall incorporate comments and resubmit final data package within 15 days.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A041

2. TITLE OF DATA ITEM: PROVISIONING TECHNICAL DATA

3. SUBTITLE:

4. AUTHORITY (Dt of Acq Document No.) DI-SESS-81715.

5. CONTRACT REFERENCE: SOW Para C.7.5, C.7.9

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE: A

9. DIST. STATEMENT REQUIRED: C

10. FREQUENCY: ASREQ

11. AS OF DATE:

12. DATE OF FIRST SUB: SEE BLOCK 16

13. DATE OF SUBS.SUB: SEE BLOCK 16

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

BLOCK 4 Any reference to military documents may be used for guidance. Additionally, the following shall apply:

A. General: The Provisioning Technical Documentation (PTD) is the generic term used to identify any combination of the ten types of provisioning lists. PTD is used for the identification, selection, and determination of initial requirements and cataloging of support items to be procured through the provisioning process.

B. Content: Unless otherwise specified in the tailored provisioning requirements, the PTD shall contain any or all of the following lists, and may be prepared in the format of an LSA-036 Output Report.

1. Provisioning Parts List. The Provisioning Parts List (PPL) shall contain the end item, component or assembly and all support items which can be disassembled, reassembled, or replaced, and which, when combined, constitute the end item, component or assembly and shall include items such as parts, materials, connecting cabling, piping, and fittings required for the operation and maintenance of the end item, component, or assembly. The PPL shall be used to determine the range and quantity of support items required to maintain the end item for an initial period of service. This includes all repairable Contractor off-the-shelf (COTS) items unless excluded by the provisioning requirements. The PPL shall include items such as parts, materials, connecting cabling, piping, and fittings required for the operations and maintenance of the end item/equipment. 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 or meeting the requirement for CBIL inclusion if CBIL is a contract requirement.

2. Long Lead Time Items List. The Long Lead Time Items List (LLTIL) shall contain those items which, because of their complexity of design, complicated manufacturing process or limited production capacity, may cause production or procurement cycles which would preclude timely and adequate delivery, if not ordered in advance of normal provisioning.

3. Common and Bulk Items List. The Common and Bulk Items List (CBIL) contains those items that are difficult or impractical to list on a top-down/disassembly sequence PPL, but for which provisioning is essential to support the operation of the end item/equipment. These items are subject to wear or failure, or otherwise required for maintenance, including planned maintenance of the end item/equipment. The Contractor shall indicate the material and military/commercial specifications, whichever is applicable, including material type, grade, class, etc. The Contractor shall submit sufficient information to enable the Government to relate the material/specification number to the pertinent item. Applicable options shall be specified in the CDRL or in the provisioning requirements. This list shall contain items of common hardware such as common nuts, bolts, screws, keys, washers, and fittings, except those of special design. The list shall also contain bulk items, such as electrical wire and cables, gasket material, tubing, hose, adhesives, paints, oils, grease, solvents, and metal and plastic stock, (e.g., rods and sheets). This list shall also contain common electrical and electronic parts such as connectors, contacts, resistors, capacitors, transistors and diodes. This list shall also contain peculiar,

seldom rolled, seldom milled semi-fabricated items (less castings and forgings) and extrusions (rubber and metal).  
4. Design Change Notice. A Design Change Notice (DCN) shall be used to identify change to Provisioning Technical Documentation (PTD) which add to, delete, supersede, or modify items previously listed which are approved for incorporation into the end item.  
5. System Configuration Provisioning List. The System Configuration Provisioning List (SCPL) shall be used to establish the family tree relationship of components to end item when associated Provisioning Parts Lists (PPLs) are developed at a component level. It also includes components which will be Government furnished and separately provisioned. The SCPL should be prepared for systems and equipment when:

a. The end item configuration of equipments being delivered is limited or variable, i.e., all end items being delivered under the contract are not identical.

b. A Statement of Prior Submission (SPS) is approved for one or more of the units or components of the end item.

c. One or more of the units or components of an end item are capable of independent operation, and maintenance will be accomplished in accordance with technical manuals prepared at unit or component level.

(1) The SCPL shall detail each separate appearance of the component in the end item. It shall also list the attaching parts that are not included in individual components own PPL or Common and Bulk Items List (CBIL) but which are used to integrate the components into the end item. Do not break down a component into its detailed parts within the SCPL. List those parts meeting the criteria for inclusion in the system level CBIL in Part II of the SCPL. Use a heading line to identify the SCPL Part II, construct and include data element as required for a CBIL.

(2) For overhaul and modernization contracts, provide SCPLs only for those entire equipments and systems that the Contractor furnishes under these contracts.

BLOCK 9 The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25. BLOCK 12 First submission due 10 days after Government approved verification unless no verification held, then 10 days after validation. The Government requires 30 days for review and comment.

BLOCK 13 Subsequent data due 15 days prior to each scheduled IPR. Government will review and provide comments at the IPR. The Contractor shall incorporate Government comments and resubmit 15 days prior to the next scheduled IPR. This review cycle shall be continued until the Contractor receives acceptance from the Government. Final submission of data is due 30 days prior to the end of the work directive. Government requires 15 days to review and comment.

Contractor shall incorporate comments and resubmit final data package within 15 days.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A044

2. TITLE OF DATA ITEM: Validation Report

3. SUBTITLE: Packaging

4. AUTHORITY (Dt of Acq Document No.) DI-PACK-80457

5. CONTRACT REFERENCE: SOW Para C.9.1.4.1, C.9.1.5.1, C.9.1.6.5

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE: A

9. DIST. STATEMENT REQUIRED: D

10. FREQUENCY: ONE/R

11. AS OF DATE:

12. DATE OF FIRST SUB: SEE BLOCK 16

13. DATE OF SUBS.SUB:SEE BLOCK 16

14. DISTRIBUTION: SEE BLOCK 16 A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT D: Distribution authorized to the Department of Defense and US DoD Contractors only. Other requests for this document shall be referred to the PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLOCK 12 Submittals shall be in accordance with the work directive.

BLOCK 13 - Resubmit as necessary within 15 days after receipt of Government comments.

BLOCK 14 - Submit electronically in a format that is readable and editable by the Government (currently MS Word Office) Repro copy = Electronic delivery CD ROM or email.

Packaging:

Repro = electronic copy delivery to email:

AMSTA-LCL-MSP: [nancy.erwin@us.army.mil](mailto:nancy.erwin@us.army.mil)

Special Group Items: Validation testing of Special Packaging Instruction (SPI) prototypes shall be in accordance with ASTM D 4169 Standard Practice for Performance Testing of Shipping Containers and Systems Acceptance Criteria 3, Distribution Cycle 18, Assurance Level I for items not previously tested. Items with previously approved documented test results may be exempt from validation testing. Validation testing may be limited to Test Schedule A and Test Schedule F. Replicate testing and climatic conditioning are not required. Each SPI submitted shall have a validation report including photographs. Photographs shall show the product is undamaged.

Equipment Preservation Data Sheets (EPDS): Notice of validation will be provided at least 30 days prior to the proposed test date. BII and COEI shall be considered Special Group Items. Packaging data for BII and COEI shall be validated IAW the testing requirements for Special Group Items.

Long Life Reusable Container (LLRC) Validation: Notice of validation will be provided at least 30 days prior to the proposed test date. The contractor shall provide validation testing reports and photographic records for the container tests. The report shall contain, as appropriate, a description of the tests performed, results, shock and vibration recordings, static and dynamic clearances within the container, and conclusions.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

G. PREPARED BY: Nancy Erwin I. APPROVED BY:

H. DATE: 2/29/2012 J. DATE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A045

2. TITLE OF DATA ITEM: Special Packaging Instruction (SPI)

3. SUBTITLE: Packaging

4. AUTHORITY (Dt of Acq Document No.) DI-PACK-80121C

5. CONTRACT REFERENCE: SOW Para C.9.1.4

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE: A

9. DIST. STATEMENT REQUIRED: D

10. FREQUENCY: ONE/R

11. AS OF DATE:

12. DATE OF FIRST SUB: SEE BLOCK 16

13. DATE OF SUBS.SUB: SEE BLOCK 16

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT 1 FINAL 1

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT D: Distribution authorized to Department of Defense and US DoD Contractors only. Other requests for this document shall be referred to the PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLOCK 12- First submittal due 30 days after completion of provisioning conference as established in the Work Directive..

BLOCK 13 - Subsequent submittals due by 25th of each month. Submit concurrently with Validation Report.

Submit Validation Reports for each item with items Special Packaging Instructions. Final data submission shall be in accordance with the Work Directive.

Special Packaging Instructions must be submitted electronically in a format that is readable and editable by the Government (currently MS Word Office) Repro copy = Electronic delivery CD ROM or email.

Packaging:

Repro = electronic copy delivery to email:

AMSTA-LCL-MSP: [nancy.erwin@us.army.mil](mailto:nancy.erwin@us.army.mil).

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

G. PREPARED BY: Nancy Erwin I. APPROVED BY:

H. DATE: 2/29/2012 J. DATE:

A. CONTRACT LINE ITEM NO: NSP

B. EXHIBIT:

C. CATEGORY: TM

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A046

2. TITLE OF DATA ITEM: Preparation of Digital Technical Information for Page-Based Technical Manuals

3. SUBTITLE: Equipment Technical Publications (New, revised, and changed)

4. AUTHORITY: DI-MISC-80358

5. CONTRACT REFERENCE: SOW C.10.1.1, C.10.2.1.1, C.10.3.2

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ:

8. APP CODE:

9. DIST. STATEMENT REQUIRED: C

10. FREQUENCY: TBD in WD

11. AS OF DATE:

12. DATE OF FIRST SUB: TBD in WD

13. DATE OF SUBS.SUB: TBD in WD

14. DISTRIBUTION A. ADDRESSEES TBD in WD B. COPIES DRAFT FINAL

15. TOTAL:

16. REMARKS:

BLOCK 9 The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

\* For TMs, DMWRs, NMWRs, MWOs, Commercial Manuals/Supplements

\* Type of deliverables, quantities, and delivery dates for all draft and final copies will be determined in the applicable Work Directive.

\* Preliminary Technical Manuals (PTM) in electronic PDF will have editable, searchable, and embedded fonts that are mapped to Unicode.

\* Final Reproducible copy (FRC) Technical Manual (TM) in electronic PDF will have editable, searchable, and embedded fonts that are mapped to Unicode.

\* PTM and FRC in Hard (Paper) Copies

\* FRC in XML file with all final source tagged data and final illustrations used to develop technical manual.

\* Technical Accuracy and Validation Certificate with FRC delivery.

\* Electronic Running Sheets in Microsoft Excel or equivalent software for FRC PDF.

\* Verification Task List in Microsoft Excel or equivalent software.

\* Verification Plan in Microsoft Word or equivalent software.

\* Validation Plan in Microsoft Word or equivalent software.

\* TM Book Plan and Outline in Microsoft Word or equivalent software.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A047
  2. TITLE OF DATA ITEM: QUALITY ASSESSEMENT REPORT
  3. SUBTITLE: PRODUCT QUALITY DEFICIENCY REPORT (PQDR)
  4. AUTHORITY (Dt of Acq Document No.) DI-QCIC-81187
  5. CONTRACT REFERENCE: SOW Para C.11.4.17
  6. REQUIRING OFFICE: PM MRAP
  7. DD250 REQ:
  8. APP CODE: A
  9. DIST. STATEMENT REQUIRED: C
  10. FREQUENCY: QUARTERLY
  11. AS OF DATE:
  12. DATE OF FIRST SUB: SEE BLOCK 16
  13. DATE OF SUBS.SUB: SEE BLOCK 16
  14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
- To be determined in the Work Directive To be determined in the Work Directive
15. TOTAL:
  16. REMARKS:

Upon WD award, the Contractor shall investigate and provide a failure analysis and corrective action to PQDRs generated against supplies awarded under separate contract actions. The report shall contain tables, photographs, and narrative analysis of quality status, problems, and corrective action taken. The Contractor shall track items that are consistently re- appearing on the PQDR status report, investigate field complaints and provide resolutions to the Government.

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

- BLOCK 12 - Submit Category I PQDR Response 10 working days
- Submit Category II PQDR Response 20 working days
  - Per DLAR 4155.24/MCO 4855.5F

BLOCK 13 Quarterly reports shall be provided.

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

- A. CONTRACT LINE ITEM NO NSP
- B. EXHIBIT:
- C. CATEGORY: OTHER
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:

1. DATA ITEM NO. A048
  2. TITLE OF DATA ITEM: FINAL INSPECTION RECORD (FIR)
  3. SUBTITLE:
  4. AUTHORITY (Dt of Acq Document No.) DI-QCIC-81068
  5. CONTRACT REFERENCE: SOW Para C.11.4.11, C.11.4.12
  6. REQUIRING OFFICE: PM MRAP
  7. DD250 REQ: LT
  8. APP CODE:
  9. DIST. STATEMENT REQUIRED: C
  10. FREQUENCY: ASREQ
  11. AS OF DATE:
  12. DATE OF FIRST SUB: As REQ in WD and see BLOCK 16
  13. DATE OF SUBS.SUB: SEE BLOCK 16
  14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
- To be determined in the Work Directive To be determined in the Work Directive
15. TOTAL:
  16. REMARKS:

Block 4 - Reference MIL-STD-40001(AT). NAVMC Form 10284 may be used for guidance.

Block 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

Block 12 - Submit draft format per Work Directive.. Government requires 30 days to review. Contractor shall incorporate Government comments and submit final format for Government approval within 10 days of receipt of Government comments.

Block 13 - Submission, in Government approved format, due 10 days after completion of final inspection.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A052

2. TITLE OF DATA ITEM: NEW EQUIPMENT TRAINING (NET) PACKAGE

3. SUBTITLE:

4. AUTHORITY (Dt of Acq Document No.) DI-ILSS-80872

5. CONTRACT REFERENCE: SOW Para C.12.1

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ:

8. APP CODE: A

9. DIST. STATEMENT REQUIRED: C

10. FREQUENCY: ASREQ

11. AS OF DATE: As specified in the Work Directive

12. DATE OF FIRST SUB: As specified in the Work Directive

13. DATE OF SUBS.SUB: As specified in the Work Directive

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

BLOCK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 12: Provide two digital and five hard copies of the draft package, dates to be established in the Work Directive.

BLK 13: Final NET package delivery will be established in the Work Directive

Final NET Package is to be in an editable format.

Provide ten digital and five hard copies of the Final NET Package to the COR via express Delivery.

The Contractor shall update the NET as identified in the work directive based on lessons learned and system changes.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A056

2. TITLE OF DATA ITEM: MAINTENANCE/USAGE DATA/FSR REPORT

3. SUBTITLE: DATA REPORTS

4. AUTHORITY (Dt of Acq Document No.) DI-ILSS-81226

5. CONTRACT REFERENCE: SOW Para C.13.1.6

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: DD

8. APP CODE: A

9. DIST. STATEMENT REQUIRED: C

10. FREQUENCY: BI-WEEKLY

11. AS OF DATE:

12. DATE OF FIRST SUB: SEE BLOCK 16

13. DATE OF SUBS.SUB: SEE BLOCK 16

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

BLOCK 9 The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLOCK 12 & 13 The Maintenance Report shall be submitted on a bi-weekly basis starting 10 days after issuance of a work directive and continuing until completion.

The Contractor Logistics Support Maintenance Report shall consist of a cover sheet and thirteen sections numbered sequentially. The cover sheet shall display the title, date and the week(s) covered by the report.

The format of the report shall include all data elements listed below:

- 1) End Item. Enter the serial number of the vehicle being inducted for repair
- 2) Deadlined Vehicle. Annotate weather the vehicle was/is deadlined due to unavailability or parts or other circumstances.
- 3) Parts required. Enter all necessary parts to complete the repair with part number.
- 4) Site. Enter all site names where maintenance actions are being performed for each item/assembly being inducted for repair.
- 5) Week repair begins. Enter the number of vehicles awaiting maintenance or are in maintenance at the beginning of the week(s) being reported.
- 6) Fault description. Enter damage description requiring repair.
- 7) Historical Faults. Any fault recurring on vehicles
- 8) Action taken to repair. Enter the action taken to repair.
- 9) Operational failure. Enter the part required caused operational failure to vehicle.
- 10) Parts delivered. Enter the parts delivered that week(s)
- 11) Ship to. Enter location the parts were shipped to
- 12) Warranty. Indicate if the part is warranty item (yes) or non-warranty item (no).
- 13) Remarks. Annotate if the parts was delivered, ordered, indication of status of the part required. Specify cause of part failure or reason for part replacement. Provide comments relative to whether the part merits design change consideration due to high recurring part failure, part cost, or other adverse issue(s). Specifically address any safety issues identified.

2. Consolidated Inventory Usage Report. Along with the Bi-Weekly Maintenance Report the addresses shall be provided a Consolidated Inventory Usage Report submitted on a bi-weekly basis beginning 10 days from the date of issuance of a work directive. This report includes a running record covering all parts/assemblies used for all repairs in a consolidated inventory usage report. The format shall include all data elements as follows.

- 1) Part Number. Enter the part number of the part/assembly used for the week(s) being reported.
- 2) Nomenclature. Enter the nomenclature of the part/assembly used for the week(s) being reported
- 3) Usage. Enter the total number of parts/assemblies used by all maintenance sited for the week(s) being reported.

Field Service Representative (FSR) Bi-Weekly Status Report- Along with the Bi-Weekly Maintenance Report and Consolidate Usage Report the addresses shall be provided a FSR Bi-Weekly Status Report submitted on a bi-weekly basis beginning 10 days from the date of issuance of a work directive. This report includes a running record covering the following date in relation to the FSRs:

The format shall include all data elements as follows.

- 1) Name
- 2) Position
- 3) Location
- 4) Vehicle assigned to
- 5) Contract Period
- 6) USMC/ARMY/NAVY/ etc. Point of Contact
- 7) Service associated with i.e. MC, Army, Navy
- 8) Telephone
- 9) Email address

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A057
2. TITLE OF DATA ITEM: Logistics Management Information (LMI) Data Products
3. SUBTITLE: Packaging
4. AUTHORITY (Dt of Acq Document No.) DI-SESS-81758
5. CONTRACT REFERENCE: SOW Para C.9.1.3
6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT
8. APP CODE: A
9. DIST. STATEMENT REQUIRED: A
10. FREQUENCY: ASREQ
11. AS OF DATE:
12. DATE OF FIRST SUB: SEE BLOCK 16
13. DATE OF SUBS.SUB: SEE BLOCK 16
14. DISTRIBUTION A. ADDRESSEES B. COPIES

Packaging: DRAFT 1 FINAL 1

15. TOTAL:
16. REMARKS:

BLK 9 The following information shall be included on the deliverable: DISTRIBUTION STATEMENT A: Approved for public release; Distribution is unlimited.

Format and content are described in GEIA-STD-0007 and clarified/tailored by two attachments:

1. Attachment 0009, Logistics Management Information Packaging Data Products
2. Attachment 0010, Incoming Transaction Format

BLK 12 - First submittal due 60 days after completion of provisioning conference.

BLK 13 - Subsequent submittals are due by 25th of each month. Final data shall be submitted in accordance with the Work Directive.

For Engineering changes and logistics changes, submit within 60 days after approved change.

LMI Data Products for all Special Group Items and Equipment Preservation Data Sheets (EPDS) shall be submitted with the Special Packaging Instruction or EPDS.

Packaging:

Repro = electronic copy delivery to email:

AMSTA-LCL-MSP: [nancy.erwin@us.army.mil](mailto:nancy.erwin@us.army.mil)

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

G. PREPARED BY: Nancy Erwin I. APPROVED BY:

H. DATE: 02/29/2012 J. DATE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A058

2. TITLE OF DATA ITEM: Equipment Preservation Data Sheet (EPDS)

3. SUBTITLE: Packaging

4. AUTHORITY (Dt of Acq Document No.) DI-PACK-81581

5. CONTRACT REFERENCE: SOW Para C.9.1.5

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE: A

9. DIST. STATEMENT REQUIRED: D

10. FREQUENCY: ASREQ

11. AS OF DATE:

12. DATE OF FIRST SUB: SEE BLOCK 16

13. DATE OF SUBS.SUB: SEE BLOCK 16

14. DISTRIBUTION A. ADDRESSEES B. COPIES

Packaging: DRAFT 1 FINAL 1

15. TOTAL:

16. REMARKS:

BLK 9 The following information shall be included on the deliverable: DISTRIBUTION STATEMENT D: Distribution authorized to Department of Defense and US DoD Contractors only. Other requests for this document shall be referred to the PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 12 Draft will be submitted 45 days prior to validation. Government to review and provide comments within 30 days after validation. Final data shall be submitted in accordance with the Work Directive.

BLK 13 Resubmit as necessary and within 20 days after receipt of Government comments.

BLK 14 Equipment Preservation Data Sheets must be submitted electronically in a format that is readable and editable by the Government (currently MS Word Office) Repro copy = Electronic delivery CD ROM or email.

Packaging:

Repro = electronic copy delivery to email:

AMSTA-LCL-MSP: [nancy.erwin@us.army.mil](mailto:nancy.erwin@us.army.mil)

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

G. PREPARED BY: Nancy Erwin I. APPROVED BY:

H. DATE: 02/29/2012 J. DATE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A059

2. TITLE OF DATA ITEM: Container Design Retrieval System (CDRS) Search Request

3. SUBTITLE:

Packaging

4. AUTHORITY (Dt of Acq Document No.) DI-PACK-80683B

5. CONTRACT REFERENCE: SOW Para C.9.1.6.2

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE: A

9. DIST. STATEMENT REQUIRED: D

10. FREQUENCY: ASREQ

11. AS OF DATE:

12. DATE OF FIRST SUB: SEE BLOCK 16

13. DATE OF SUBS.SUB: SEE BLOCK 16

14. DISTRIBUTION A. ADDRESSEES B. COPIES

Packaging: DRAFT 1 FINAL 1

CDRS: DRAFT 1 FINAL 1

15. TOTAL:

16. REMARKS:

BLK 9 The following information shall be included on the deliverable: DISTRIBUTION STATEMENT D: Distribution authorized to Department of Defense and US DoD Contractor only. Other requests for this document shall be referred to the PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 12 - Submit LLRC candidates for approval in accordance with Work Directive. For items approved as candidates for long life reusable containers, submit Search Request to CDRS no later than 30 days after candidate approval.

BLK 13 Resubmit as necessary within 20 days after receipt of government comments.

The CDRS management office can be contacted through AAC/ WMOC (CDRS), Attn: CDRS, 314 West Choctawhatchee Avenue, Suite 104, Eglin AFB, FL 32542-5717.

Packaging:

Repro = electronic copy delivery to email:

AMSTA-LCL-MSP: [nancy.erwin@us.army.mil](mailto:nancy.erwin@us.army.mil)

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

G. PREPARED BY: Nancy Erwin I. APPROVED BY:

H. DATE: 02/29/2012 J. DATE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A060

2. TITLE OF DATA ITEM: PRODUCT DRAWING/MODELS AND ASSOCIATED LISTS

3. SUBTITLE: Packaging

- 4. AUTHORITY (Dt of Acq Document No.) DI-SESS-81000D
  - 5. CONTRACT REFERENCE: SOW Para C.9.1.6.4
  - 6. REQUIRING OFFICE: PM MRAP
  - 7. DD250 REQ: LT
  - 8. APP CODE: A
  - 9. DIST. STATEMENT REQUIRED: D
  - 10. FREQUENCY: ASREQ
  - 11. AS OF DATE:
  - 12. DATE OF FIRST SUB: SEE BLOCK 16
  - 13. DATE OF SUBS.SUB: SEE BLOCK 16
  - 14. DISTRIBUTION A. ADDRESSEES B. COPIES
- Packaging: DRAFT 1 FINAL 1
- 15. TOTAL:
  - 16. REMARKS:

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT D: Distribution authorized to Department of Defense and US DoD Contractors only. Other requests for this document shall be referred to the PM MRAP.  
WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 12 - Long Life Reusable Container (LLRC) design proposals shall be submitted electronically in the format specified in Attachment 0011, LLRC Design Proposal Format. LLRC Design Proposal shall be provided in accordance with the Work Directive. Submit product drawings and associated lists including technical data and Special Packaging Instructions in accordance with the Work Directive.

BLK 13 - Final Delivery: One complete set of the Technical Data Package (TDP) shall be provided 30 days after receiving Government comments. Repro copy = Electronic delivery CD ROM or email.

Packaging:  
Repro = electronic copy delivery to email:  
AMSTA-LCL-MSP: [nancy.erwin@us.army.mil](mailto:nancy.erwin@us.army.mil)

- 17. PRICE GROUP:
- 18. ESTIMATED TOTAL PRICE:
- G. PREPARED BY: Nancy Erwin I. APPROVED BY:
- H. DATE: 02/29/2012 J. DATE:

- A. CONTRACT LINE ITEM NO: NSP
- B. EXHIBIT:
- C. CATEGORY:
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:
- 1. DATA ITEM NO. A100
- 2. TITLE OF DATA ITEM: Product Drawing/Models and Associated Lists
- 3. SUBTITLE:
- 4. AUTHORITY (Dt of Acq Document No.) DI-SESS-81000D
- 5. CONTRACT REFERENCE: SOW C.3.1.3, C.3.6
- 6. REQUIRING OFFICE: PM MRAP
- 7. DD250 REQ:
- 8. APP CODE:
- 9. DIST. STATEMENT REQUIRED: C
- 10. FREQUENCY: AS REQ by WD
- 11. AS OF DATE:
- 12. DATE OF FIRST SUB: SEE BLK 16
- 13. DATE OF SUBS.SUB: AS REQ in WD and SEE BLK 16
- 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
- 15. TOTAL:
- 16. REMARKS:

Product Drawings/Models and Associated Lists provide engineering data to support competitive procurement and maintenance for items interchangeable with the original items. This data represents the highest level of design disclosure. Submission shall be via electronic mail (e-mail). Submissions shall be made directly into the Government PDM System or via electronic mail (DVD) to include all native CAD and PDFs of associated drawings.

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25

BLK 12 - The first submission of the TDP shall be determined in work directive.

BLK 13 - Final Delivery: One complete set of the Technical Data Package (TDP) shall be provided in the format specified in the respective Technical Data Package Worksheet attachments to the Contract.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO: NSP

B. EXHIBIT:

C. CATEGORY:

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A101

2. TITLE OF DATA ITEM: Drawing Part Number Assignment Report

3. SUBTITLE:

4. AUTHORITY (Dt of Acq Document No.) DI-SESS-81011D

5. CONTRACT REFERENCE: SOW C.3.2.5

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE:

9. DIST. STATEMENT REQUIRED: A

10. FREQUENCY: AS REQ

11. AS OF DATE:

12. DATE OF FIRST SUB: SEE BLK 16

13. DATE OF SUBS.SUB: As REQ in WD

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

15. TOTAL:

16. REMARKS:

The Drawing Number Report content will be designated by work directive but at a minimum include: Government/Ordnance Drawing Number, Drawing Size, Drawing Title, End Item Designation which drawing is used, Drawing release level (i.e. Developmental, Product)

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

BLK 12 - The Contractor shall provide the initial drawing assignment report no later than 15 days after issuance of a work directive. BLK

14 - Submission shall be via electronic mail (e-mail). The submission shall be prepared and delivered in current Microsoft Office software suite.

POC: Will be designated by Work Directive

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO: NSP

B. EXHIBIT:

C. CATEGORY:

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A102

2. TITLE OF DATA ITEM: Final Technical Data Submission List

3. SUBTITLE:

4. AUTHORITY (Dt of Acq Document No.) DI-EGDS-80918

5. CONTRACT REFERENCE: SOW C.3.8.1

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE:

9. DIST. STATEMENT REQUIRED: C

10. FREQUENCY: AS REQ

11. AS OF DATE:

12. DATE OF FIRST SUB: SEE BLK 16

13. DATE OF SUBS.SUB:

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

15. TOTAL:

16. REMARKS:

The content of the final data submission list shall be directed in work directive but at a minimum contain:

\*List of all drawings, CAD files, and supporting documents created under this contract

\*List of all pending and outstanding approved ECP cross-referenced to drawings affected

\*Obsolete and superseded drawings, CAD files, and supporting documents created under this contract

\*Unreleased drawings, CAD files, and supporting documents created under this contract

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25

BLK 12 - The Contractor shall provide a list of all drawings, CAD files, and supporting documentation created under this contract 30 days before end of contract.

BLK 14 - Submission shall be via electronic mail (e-mail). The submission shall be prepared and delivered in current Microsoft Office software suite.

POC: Will be designated by Work Directive

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO: NSP

B. EXHIBIT:

C. CATEGORY:

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A103

2. TITLE OF DATA ITEM: Final Technical Data Submission

3. SUBTITLE:

4. AUTHORITY (Dt of Acq Document No.) DI-CMAN-80776

5. CONTRACT REFERENCE: SOW C.3.8.2

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE:

9. DIST. STATEMENT REQUIRED: C

10. FREQUENCY: AS REQ

11. AS OF DATE:

12. DATE OF FIRST SUB: SEE BLK 16

13. DATE OF SUBS.SUB:

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

15. TOTAL:

16. REMARKS:

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25

BLK 12 - The Contractor shall provide all drawings, CAD files, and supporting documentation created under this contract 30 days before end of contract.

BLK 14 - Submission shall be via CD-ROM/DVD or via the Government PDM System. The submission shall be prepared and delivered in the format required in the contract.

POC: Will be designated by Work Directive

17. PRICE GROUP: 18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO: NSP

B. EXHIBIT:

C. CATEGORY:

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A104

2. TITLE OF DATA ITEM: Diminishing Manufacturing Sources and Material Shortages (DMSMS)

3. SUBTITLE: DMSMS Plan

4. AUTHORITY (Dt of Acq Document No.) DI-SESS-81656

5. CONTRACT REFERENCE: SOW C.5.8.4
6. REQUIRING OFFICE: PM MRAP
7. DD250 REQ: LT
8. APP CODE: A
9. DIST. STATEMENT REQUIRED: A
10. FREQUENCY: ONE/R
11. AS OF DATE:
12. DATE OF FIRST SUB: SEE BLK 16
13. DATE OF SUBS.SUB: SEE BLK 16
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
15. TOTAL:
16. REMARKS:

The Contractor shall re-evaluate their management plan and revise if new technologies have been developed to manage DMSMS and obsolescence. The Contract shall alert the customer as soon as possible when it has been determined that a part has been identified as diminishing or obsolete.

The Engineering Bill of Material (E-BOM) shall be provided in an Excel spreadsheet and contain the minimum source data as stipulated in Data Item Description (DID).

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited:

BLK 12 - Submit a proactive DMSMS Management Plan compliant with the spirit and intent of DoD DMSMS Guidebook (SD-22) September 2010 as determined in WD. The Government will review and provide comments within 15 days after receipt.

BLK 13 - Resubmit as necessary within 15 days after receipt of Government comments.

BLK 14 - All deliveries (Draft and Reproducible) shall be on electronic media in Microsoft Office compliant format on CD ROM or DVD.

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

- A. CONTRACT LINE ITEM NO: NSP
- B. EXHIBIT:
- C. CATEGORY:
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:

1. DATA ITEM NO. A105
2. TITLE OF DATA ITEM: Engineering Release Record (ERR)
3. SUBTITLE:
4. AUTHORITY (Dt of Acq Document No.) DI-CMAN-80463C
5. CONTRACT REFERENCE: SOW 5.9.1.1
6. REQUIRING OFFICE: PM MRAP
7. DD250 REQ: LT 8. APP CODE:
9. DIST. STATEMENT REQUIRED: C
10. FREQUENCY: AS REQ
11. AS OF DATE:
12. DATE OF FIRST SUB: SEE BLK 16
13. DATE OF SUBS.SUB:
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
15. TOTAL:
16. REMARKS:

The ERR form will be accompanied by a PDF of the drawing to be released and associated CAD.

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25

BLK 12 - The Contractor shall provide the Engineering Release Record (ERR) no later than 30 days after approval of the Engineering Change Proposal or final design approval of new hardware.

BLK 14 - Submission shall be as directed via electronic mail (e-mail), CD/DVD, or the Government PDM System.

POC: Will be designated by Work Directive

17. PRICE GROUP:
18. ESTIMATED TOTAL PRICE:

- A. CONTRACT LINE ITEM NO: NSP
- B. EXHIBIT:
- C. CATEGORY:

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A106
2. TITLE OF DATA ITEM: Configuration Audit Plan
3. SUBTITLE: Physical Configuration Audit (PCA)
4. AUTHORITY (Dt of Acq Document No.) DI-SESS-81646
5. CONTRACT REFERENCE: SOW C.5.11.1, C.5.11.3
6. REQUIRING OFFICE: PM MRAP
7. DD250 REQ: LT
8. APP CODE:
9. DIST. STATEMENT REQUIRED: C
10. FREQUENCY: ONE/R
11. AS OF DATE:
12. DATE OF FIRST SUB: SEE BLK 16
13. DATE OF SUBS.SUB: SEE BLK 16
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
15. TOTAL:
16. REMARKS:

The Drawing Number Report content will be designated by work directive but at a minimum include: Government/Ordinance Drawing Number, Drawing Size, Drawing Title, End Item Designation which drawing is used, Drawing release level (i.e. Developmental, Product)

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 12 - The contractor shall designate a vehicle to be audited and participate in all audits. Within 45 days after receipt of final Government comments on the IBOM, the Contractor shall schedule the PCA. The contractor shall provide a complete PCA plan for approval 30 days prior to the start of the audit.

BLK 13 - Any findings that require corrective action as a result of the PCA shall be made by the contractor within 60 days of receipt of audit findings.

BLK 14 - All documents will be delivered electronically, in contractor format, using Microsoft Word or other editable Government-approved software.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO: NSP

B. EXHIBIT:

C. CATEGORY:

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A107
2. TITLE OF DATA ITEM: Technical Report
3. SUBTITLE: PCA Agenda & Config Change Docs
4. AUTHORITY (Dt of Acq Document No.) DI-MISC-80508B
5. CONTRACT REFERENCE: SOW C.5.11.1, C.5.11.3
6. REQUIRING OFFICE: PM MRAP
7. DD250 REQ: LT
8. APP CODE:
9. DIST. STATEMENT REQUIRED: C
10. FREQUENCY: ONE/R
11. AS OF DATE:
12. DATE OF FIRST SUB: AS REQ in WD
13. DATE OF SUBS.SUB: AS REQ in WD
14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
15. TOTAL:
16. REMARKS:

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are

subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25  
BLK 14 - All documents will be prepared in Contractor format using Microsoft Word or other editable, Government-approved software and delivered electronically.

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

- A. CONTRACT LINE ITEM NO: NSP
- B. EXHIBIT:
- C. CATEGORY:
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:
  - 1. DATA ITEM NO. A108
  - 2. TITLE OF DATA ITEM: IUID PRODUCTION REPORT
  - 3. SUBTITLE: CONFIGURATION MANAGEMENT
  - 4. AUTHORITY (Dt of Acq Document No.) DI-CMAN-81253
  - 5. CONTRACT REFERENCE: SOW C.15.1
  - 6. REQUIRING OFFICE: PM MRAP
  - 7. DD250 REQ: LT
  - 8. APP CODE:
  - 9. DIST. STATEMENT REQUIRED: C
  - 10. FREQUENCY: AS REQ
  - 11. AS OF DATE:
  - 12. DATE OF FIRST SUB: SEE BLK 16
  - 13. DATE OF SUBS.SUB:
  - 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
  - 15. TOTAL:
  - 16. REMARKS:

Report shall be created using Microsoft Excel. Contractor format is authorized. Data elements identified below. Sub-paragraphs c, d, e and j of the format and content section of the authorizing data item (Requirements, Paragraph 2) are not applicable.

Data Elements examples (as applicable to the vehicle) for requirement 2f are:  
Mfg Veh SN, VIN, Military No, Type, Conf, Nomenclature, Engine Desc, Engine PN, Engine SN, Transmission Desc, Transfer Case Desc, Transfer Case PN, Transfer Case SN, Front Axle Desc, Front Axle PN, Front Axle SN, Real Axle SN, 2nd Rear Axle Desc, 2nd Rear Axle PN, Winch Desc, Winch PN, Winch SN, Steering Gear PN, Steering Gear SN, Alternator, Tank 1 Desc, Tank 1 PN, Tank 2 SN, Tank 2 Desc, Tank 2 Desc, Tank 2 PN, Tank 2 SN, NBC Desc, NBC PN, NBC SN, Transfer, NSN, Antenna SN, Gun Mount Fr, Gun Mount Rear, Radio Rack

Establish a database that captures the part numbers and serial numbers of engines, transmissions and other items identified in the SOW and installed in each production unit delivered to the Government.

The contractor shall maintain the information to allow traceability of vendor-assigned serial numbers to the vehicle's Marine Corps, Army, or Navy registration/serial number and VIN.

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP.

WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25

BLK 12 - First submission shall be 45 days after completion of first production unit.

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

- A. CONTRACT LINE ITEM NO: NSP
- B. EXHIBIT:
- C. CATEGORY:
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:
  - 1. DATA ITEM NO. A109
  - 2. TITLE OF DATA ITEM: Master Data List
  - 3. SUBTITLE:
  - 4. AUTHORITY (Dt of Acq Document No.) DI-CMAN-81253A
  - 5. CONTRACT REFERENCE: SOW C.5.12.2
  - 6. REQUIRING OFFICE: PM MRAP
  - 7. DD250 REQ: LT
  - 8. APP CODE:

- 9. DIST. STATEMENT REQUIRED: C
- 10. FREQUENCY: AS REQ
- 11. AS OF DATE:
- 12. DATE OF FIRST SUB: SEE BLK 16
- 13. DATE OF SUBS.SUB:
- 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
- 15. TOTAL:
- 16. REMARKS:

The Master Data List content will be designated by work directive but at a minimum include: Nomenclature, Number Revision, Date, Location of all technical data created for the Contractor's Family of Vehicles  
BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.  
BLK 12 - The Contractor shall provide the master data list no later than 15 days after issuance of a work directive.  
BLK 14 - Submission shall be via electronic mail (e-mail). The submission shall be prepared and delivered in current Microsoft Office software suite.  
POC: Will be designated by Work Directive  
17. PRICE GROUP:  
18. ESTIMATED TOTAL PRICE:

- A. CONTRACT LINE ITEM NO: NSP
- B. EXHIBIT:
- C. CATEGORY:
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:
  - 1. DATA ITEM NO. A110
  - 2. TITLE OF DATA ITEM: UID Embedded Items Data Report
  - 3. SUBTITLE:
  - 4. AUTHORITY (Dt of Acq Document No.) DFARS 252.211-7003
  - 5. CONTRACT REFERENCE: SOW C.15.2
  - 6. REQUIRING OFFICE: PM MRAP
  - 7. DD250 REQ: LT
  - 8. APP CODE:
- 9. DIST. STATEMENT REQUIRED: C
- 10. FREQUENCY: AS REQ
- 11. AS OF DATE:

- 12. DATE OF FIRST SUB: As REQ in WD and SEE BLK 16
- 13. DATE OF SUBS.SUB:
- 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
- 15. TOTAL:
- 16. REMARKS:

BLK 4 - A Data Report profiling the embedded subassemblies, components, and parts shall be delivered at the time of inspection. The Data Report will be submitted as an electronic database in Contractor format.

The following field information shall be identified (at a minimum) for each subassembly item delivered per Parent End Item CLIN:

- (1) Concatenated unique item identifier or DoD recognized unique identification equivalent of the PARENT ITEM delivered under a contract line, subline, or exhibit line item that contains the embedded subassembly, component, or part.
  - (2) Concatenated unique item identifier or DoD recognized unique identification equivalent of the CHILD embedded subassembly, component, or part.
  - (3) Unique item identifier type\*\*
  - (4) Issuing agency code (if concatenated unique item identifier is used.)\*\*
  - (5) Enterprise identifier (if concatenated unique item identifier is used.)\*\*
  - (6) Original part number\*\*
  - (7) Lot or batch number\*\*
  - (8) Current part number (if not the same as the original part number)\*\*
  - (9) Current part number effective date\*\*
  - (10) Serial number\*\*
  - (11) Unit of measure
  - (12) Description
  - (13) Ship to location
- \*\* Once per item

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 12 - Delivery of Data Report will be concurrent with End Item inspection. Submission of Parent UII to IUID Registry must occur before Sub Assembly Data can be submitted. Sub Assembly Data must be loaded to IUID Registry upon Final Acceptance for Payment. DFARS 252.211-7003 Section (f)

- A. CONTRACT LINE ITEM NO: NSP
- B. EXHIBIT:
- C. CATEGORY:
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:
  - 1. DATA ITEM NO. A111
  - 2. TITLE OF DATA ITEM: Logistics Management Information (LMI) Summaries
  - 3. SUBTITLE: Maintenance Analysis
  - 4. AUTHORITY: DI-ALSS-81530
  - 5. CONTRACT REFERENCE: SOW C.6.4.3.1.1, C.6.6.3
  - 6. REQUIRING OFFICE: PM MRAP
  - 7. DD 250 REQ: DD
  - 8. APP CODE: A
  - 9. DIST STATEMENT REQUIRED: C
  - 10. FREQUENCY: See BLK 16
  - 11. AS OF DATE: See BLK 16
  - 12. DATE OF FIRST SUBMISSION: See BLK 16
  - 13. DATE OF SUBSEQUENT SUBMISSIONS: See BLK 16
  - 14. DISTRIBUTION: A
- ADDRESSEES B. TBD in WD B. COPIES DRAFT FINAL
- 15. TOTALS
- 16. REMARKS:

BLK 9: The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25

BLK 4: DI-ALSS-81530 is amended as follows

- (1) Para 7.3, Deliver method is IAW this CDRL;
- (2) Para 10.2, Format is Microsoft Excel;
- (3) Para 10.3, Content is IAW Contract Attachment 0016: LMI Summary Worksheet - Maintenance Analysis

BLK 10/11/12/13: The first draft will be delivered in place at the initial Maintenance Review. Additional deliveries will be at subsequent Maintenance Reviews IAW the WD. Government comments will be provided at each review for incorporation. The updated MA shall be delivered electronically within 30 days after each review. The Contractor shall maintain the MA for the life of the contract and shall make additional deliveries as requested by the Government.

BLK 14: Delivery shall be electronic in Microsoft Excel.

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

- A. CONTRACT LINE ITEM NO: NSP
- B. EXHIBIT:
- C. CATEGORY:
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:
  - 1. DATA ITEM NO. A112
  - 2. TITLE OF DATA ITEM: Logistics Management Information (LMI) Summaries.
  - 3. SUBTITLE: National Maintenance Work Requirement (NMWR) Level of Repair Analysis
  - 4. AUTHORITY: DI-ALSS-81530
  - 5. CONTRACT REFERENCE: SOW C.6.4.3.3
  - 6. REQUIRING OFFICE: PM MRAP
  - 7. DD 250 REQ: DD
  - 8. APP CODE: A

- 9. DIST STATEMENT REQUIRED: C
- 10. FREQUENCY: AS REQ
- 11. AS OF DATE: See BLK 16.
- 12. DATE OF FIRST SUBMISSION: See BLK 16
- 13. DATE OF SUBSEQUENT SUBMISSIONS: See BLK 16
- 14. DISTRIBUTION: See BLK 16
- 15. TOTALS:
- 16. REMARKS:

BLK 4: DID DI-ALSS-81530 is amended to include the following: Submission will be developed IAW Attachment 0017 (NMWR Data Summary Worksheet)

BLK 9: The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 10/11/12/13: Delivery will be established in the Work Directive. The Government will review the draft and provide comments NLT 60 days after receipt. Contractor shall correct the National Maintenance Work Requirement (NMWR) Data Summary to incorporate Government comments and submit final 30 days after receipt of Government comments.

BLK 14: Distribution will be established in the Work Directive

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

- A. CONTRACT LINE ITEM NO: NSP
- B. EXHIBIT:
- C. CATEGORY:
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:

- 1. DATA ITEM NO. A113
- 2. TITLE OF DATA ITEM: Preparation of Digital Technical Information for Frame-Based Technical Manuals
- 3. SUBTITLE: Interactive Electronic Technical Manual (IETM) (New and revised)
- 4. AUTHORITY: See BLK 16
- 5. CONTRACT REFERENCE: SOW C.10.1.2, C.10.3.2
- 6. REQUIRING OFFICE: PM MRAP
- 7. DD 250 REQ: DD
- 8. APP CODE: A.
- 9. DIST STATEMENT REQUIRED: C
- 10. FREQUENCY: See BLK 16
- 11. AS OF DATE: See BLK 16
- 12. DATE OF FIRST SUBMISSION: See BLK 16
- 13. DATE OF SUBSEQUENT SUBMISSIONS: See BLK 16
- 14. DISTRIBUTION A. ADDRESSEES B. TBD in WD B. COPIES DRAFT FINAL
- 15. TOTALS
- 16. REMARKS:

BLK 4: The contractor shall develop an Interactive Electronic Technical Manual (IETM) for the MRAP FOV. The IETM shall be developed IAW this CDRL and the approved TABLE A-XVII Functionality Matrix in Appendix A, MIL-STD 40051-1. The IETM shall be developed using TACOMs Next Generation Electronic Maintenance System (EMS) portal. All IETM content will be developed using XML tagging IAW MIL-STD-2361.

- 1) Technical Accuracy and Validation Certification with PTM delivery.
- 2) Verification Task List in Microsoft Excel or equivalent software.
- 3) Validation Plan in Microsoft Word or equivalent software.
- 4) TM Book Plan and Outline in Microsoft Word or equivalent software.
- 5) PTM shall be delivered on Digital Video Disc (DVD).
- 6) FRC shall be delivered on Digital Video Disc (DVD) and XML file with final tagged source data and final illustrations used to develop IETM shall be uploaded to CMS or equivalent.

BLK 9: The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 10/11/12/13: Type of deliverables, quantities, and delivery dates for all draft and final copies will be determined in the applicable Work Directive.

BLK 14: Dissemination will be in accordance with the provisions of DoD Directive 5230.25

- 17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

- A. CONTRACT LINE ITEM NO: NSP
- B. EXHIBIT:
- C. CATEGORY:
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:
- 1. DATA ITEM NO. A114
- 2. TITLE OF DATA ITEM: DRAWING CUSTODIANSHIP LIST
- 3. SUBTITLE:
- 4. AUTHORITY: See BLK 16
- 5. CONTRACT REFERENCE: SOW C.3.1.5.3
- 6. REQUIRING OFFICE: PM MRAP
- 7. DD 250 REQ: DD
- 8. APP CODE: A.
- 9. DIST STATEMENT REQUIRED: C
- 10. FREQUENCY: Specified in Work Directive
- 11. AS OF DATE:
- 12. DATE OF FIRST SUBMISSION: See BLK 16
- 13. DATE OF SUBSEQUENT SUBMISSIONS: Specified in Work Directive
- 14. DISTRIBUTION A. ADDRESSEES B.
- 15. TOTALS
- 16. REMARKS:

BLK 4: Document Custodianship is defined in MIL-HDBK-61A The Drawing Custodianship List content will be designated by work directive but at minimum include, for all Government technical data under Contractor Management: Nomenclature, Number, type of document, current revision level, date and status

BLK 9: The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 12: The Contractor shall provide the initial drawing assignment report no later than 15 days after issuance of a work directive.

BLK 14: Submission shall be via electronic mail (e-mail). The submission shall be prepared and delivered in current Microsoft Office software suite. Contractor format is acceptable.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

- A. CONTRACT LINE ITEM NO: NSP
- B. EXHIBIT:
- C. CATEGORY:
- D. SYSTEM/ITEM: MRAP Vehicle
- E. CONTRACT/PR NO.:
- F. CONTRACTOR:
- 1. DATA ITEM NO. A115
- 2. TITLE OF DATA ITEM: Configuration Management Plan
- 3. SUBTITLE:
- 4. AUTHORITY: DI-CMAN-80858B
- 5. CONTRACT REFERENCE: SOW Para C.5.6
- 6. REQUIRING OFFICE: PM MRAP
- 7. DD250 REQ: LT
- 8. APP CODE:
- 9. DIST. STATEMENT REQUIRED: C
- 10. FREQUENCY: ASREQ
- 11. AS OF DATE: SEE BLK 16
- 12. DATE OF FIRST SUBMISSION: SEE BLK 16
- 13. DATE OF SUBSEQUENT SUBMISSIONS:
- 14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL
- 15. TOTAL:
- 16. REMARKS:

To be determined in the Work Directive To be determined in the Work Directive

BLK 9: The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document

contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 10/11/12/13: Configuration Management Plan will be submitted for comment to the Government within 30 days of the award of a Work Directive for Contract Reference Paragraph. Contractor will respond to government comments within 15 days. Contractor will submit revised CM Plan when changes are made.

BLK 14 - Submission shall be via electronic mail (e-mail).

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO: NSP

B. EXHIBIT:

C. CATEGORY:

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A116

2. TITLE OF DATA ITEM: Preparation of Presentation Material

3. SUBTITLE:

4. AUTHORITY: DI-ADMIN-81373

5. CONTRACT REFERENCE: SOW C.2.4.3

6. REQUIRING OFFICE: PM MRAP

7. DD 250 REQ: DD

8. APP CODE: A.

9. DIST STATEMENT REQUIRED: C

10. FREQUENCY: See BLK 16

11. AS OF DATE: See BLK 16

12. DATE OF FIRST SUBMISSION: See BLK 16

13. DATE OF SUBSEQUENT SUBMISSIONS: See BLK 16

14. DISTRIBUTION A. ADDRESSEES B. TBD in WD B. COPIES DRAFT FINAL

15. TOTALS

16. REMARKS:

BLK 9: The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 10/11/12/13: Type of deliverables, quantities, and delivery dates for all draft and final copies will be determined in the applicable Work Directive.

BLK 14: Dissemination will be in accordance with the provisions of DoD Directive 5230.25

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO: NSP

B. EXHIBIT:

C. CATEGORY:

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A118

2. TITLE OF DATA ITEM: Integrated Logistics Support Plan (ILSP)

3. SUBTITLE: LCS

4. AUTHORITY: DI-ILSS-80095

5. CONTRACT REFERENCE: SOW Para C.6.1.1

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: DD

8. APP CODE: A

9. DIST. STATEMENT REQUIRED: D

10. FREQUENCY: INITIAL/W REVISIONS SEMI-ANNUALLY

11. AS OF DATE:

12. DATE OF FIRST SUBMISSION: SEE BLOCK 16

13. DATE OF SUBSEQUENT SUBMISSIONS:

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

BLK 9: The following information shall be included on the deliverable: DISTRIBUTION STATEMENT D: Distribution authorized to Department of Defense and US DoD Contractors only. Other requests for this document shall be referred to the PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 12: Contractor will prepare/update the ILSP for the program and deliver IAW the Work Directive.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO: NSP

B. EXHIBIT:

C. CATEGORY:

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A119

2. TITLE OF DATA ITEM: Work Breakdown Structure (WBS)

3. SUBTITLE:

4. AUTHORITY: DI-MGMT-81334D

5. CONTRACT REFERENCE: SOW Para C.2.4.5.3.2.2

6. REQUIRING OFFICE: PM MRAP

7. DD250 REQ: LT

8. APP CODE:

9. DIST. STATEMENT REQUIRED: C

10. FREQUENCY: Quarterly

11. AS OF DATE:

12. DATE OF FIRST SUBMISSION: SEE BLOCK 16

13. D DATE OF SUBSEQUENT SUBMISSIONS: SEE BLOCK 16

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

To be determined in the Work Directive To be determined in the Work Directive

15. TOTAL:

16. REMARKS:

BLK 9: The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 12 & 13: First WBS update shall be submitted 15 days after issue of a work directive and presented in the WD Start of Work Meeting. The Contractor shall submit updates to the Government on a quarterly basis to coincide with IPRs.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

A. CONTRACT LINE ITEM NO NSP

B. EXHIBIT:

C. CATEGORY: OTHER

D. SYSTEM/ITEM: MRAP Vehicle

E. CONTRACT/PR NO.:

F. CONTRACTOR:

1. DATA ITEM NO. A120

2. TITLE OF DATA ITEM: Contractor Quality Plan

3. SUBTITLE:

4. AUTHORITY: See BLK 16

5. CONTRACT REFERENCE: SOW Para C.11.1

6. REQUIRING OFFICE: JPO MRAP Production and Quality

7. DD250 REQ: LT

8. APP CODE:

9. DIST. STATEMENT REQUIRED: C

10. FREQUENCY: ONCE

11. AS OF DATE:

12. DATE OF FIRST SUB: SEE BLOCK 16

13. DATE OF SUBS.SUB: SEE BLOCK 16

14. DISTRIBUTION A. ADDRESSEES B. COPIES DRAFT FINAL

Contract COR, cc. Chief Production and Quality

15. TOTAL:

16. REMARKS:

BLK 4: Dec 1, 1995 DoD Adopted ISO 10005 Guidelines for Quality Plans Quality Management. ISO 10005-2005 will be used to review and accept the Contractors Quality Plan.

BLK 9 - The following information shall be included on the deliverable: DISTRIBUTION STATEMENT C: Distribution authorized to US Government agencies and their Contractors. Other requests for this document shall be referred to PM MRAP. WARNING: This document contains technical data whose export is restricted by 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. Violation of these export laws are subject to severe criminal penalties. Disseminate in accordance with the provisions of DoD Directive 5230.25.

BLK 12 Draft Quality Plan submitted at the Work Directive start of work meeting, Government requires 30 days for review and comment.

BLK 13 - Final Plan, with Government comments incorporated, 5 days after receipt of Government comments.

BLK 14 - Submission shall be via electronic mail (e-mail). The submission shall be prepared and delivered in current Microsoft Office software suite in contractor format. E-mail address will be identified during start of work meeting.

17. PRICE GROUP:

18. ESTIMATED TOTAL PRICE:

Use of the TARDEC ADVANCED COLLABORATIVE ENVIRONMENT (ACE)

1. Overview.

The ACE will be used as an information sharing and collaboration environment that provides controlled, distributed access to all unclassified related program and product information. TARDEC-ACE provides a general-purpose document management capability that supports access control, configuration control, associated attachments/references, and life-cycle states with automated workflow for update, routing, review, and release.

2. ACE URL. <https://ace2.tacom.army.mil/>

3. Accessing the System.

All users are required to have an AKO email account, request access at <https://www.us.army.mil>. Contractors will need a sponsor, usually the Contracting Officer Representative (COR). All offsite individuals requesting access to the ACE must complete both the ACE Access Request Form and National Agency Check Form or in-process clearance request forms (located at <https://ace2.tacom.army.mil/newuser/>). The ACE Access Request Form should be completed by the requesting individual and e-mailed to the Windchill Support mailbox [ace.support@conus.army.mil](mailto:ace.support@conus.army.mil) from your AKO account. Upon receipt and validation of the completed forms, the validation and account creation process will take up to 3-5 business days for contractors with a favorable national security check. If the contractor does not have a security clearance on file, the process may take up to 10-15 business days. The individual will be notified of their account creation via their AKO account. Direct any questions to Windchill Support, [ace.support@conus.army.mil](mailto:ace.support@conus.army.mil) or 586-764-3099.

4. Security Provisions.

ACE will only include unclassified information (FOUO and below). There are multiple security provisions implemented by the Government for the TARDEC ACE. First, role-based access controls are maintained for all pieces of information stored in the system. This ensures that all supported program personnel can access needed information while protecting proprietary and export-controlled data. ACE provides security services using industry standard LDAP directory services and X.509 certificates with an enterprise public key infrastructure (PKI). The ACE uses the secure socket layer protocol to send encrypted transactions between client web browsers and the web server.

5. Computing Requirements.

All of the ACE applications are web based and provide a feature-rich, user-friendly navigation environment that requires minimal client software installation or user training. Using a standard web browser that supports 128-bit encryption, a user is able to access the data sets related to their efforts.

6. CDRL Delivery.

ACE will be utilized for MRAP ATV data exchange, the tracking and management of CDRL deliverables, and issues tracking. ACE documents are organized in folders that can be associated with projects, products, events, or the shared Library/Repository. A project folder titled MRAP-ATV will be created with subfolders for each CDRL. Government training will be provided or scheduled within 15 days of contractor request. Each web-based project space created for a program contains an ACE Help Desk area that contains links to all training material created for the program and many tip sheets and Frequently Asked Questions (FAQ).

ATTACHMENT 0009

Logistics Product Data - Packaging Data Products (DI-SESS-81758)\~-

Entity HF\_Item\_Packaging\_Requirement\_data.

DTN 2280 Federal Supply Classification (FSC)  
DTN 3520 National Item Identification Number (NIIN)  
DTN 4730 Shelf life code - Code identifying shelf life of packaged item.  
DTN 4720 Shelf Life Action Code.  
DTN 2790 Item name  
DTN 5770 Item weight  
DTN 2890 Item length  
DTN 2890 Item width  
DTN 2890 Item depth  
DTN 3800 Packaging Category Codes  
DTN 2370 Hazardous material code  
DTN 4890 Special Marking Codes  
DTN 4240 Quantity per unit pack  
DTN 2700 Intermediate container quantity  
DTN 4400 Item part number  
DTN 1520 Cage code associated with Item part number  
DTN 3390 Preservation method Code  
DTN 1500 Cleaning and drying procedures  
DTN 3960 Preservative material Code  
DTN 5930 Wrap material Code  
DTN 1750 Cushioning material Code  
DTN 1760 Cushioning thickness Code  
DTN 5660 Unit container Code  
DTN 2690 Intermediate container Code  
DTN 5670 Unit Container Level Code  
DTN 3410 Level A Packing Code  
DTN 3410 Level B Packing Code  
DTN 3410 Level C Packing Code  
DTN 3190 Unit pack weight  
DTN 2890 Unit pack length  
DTN 2890 Unit pack width  
DTN 2890 Unit pack depth  
DTN 3180 Unit pack cube  
DTN 4990 Supplemental packaging data  
DTN 4920 Special packaging instruction number  
DTN 2830 Special packaging instruction number Julian date  
DTN 4910 Special packaging instruction number revision  
DTN 4830 Source maintenance and recoverability code  
DTN 5700 Unit of Issue (UI)  
DTN 5720 Unit of Measure (UM)

Data Elements not in the LMI dictionary (or requiring further definition)

Packaging indicator code. Enter a Packaging Indicator Code (PIC) to indicate the format and applicability of packaging requirements for each level of protection. Enter the PIC for level A in first position and for Level C in the second position.

Type Storage Code (TSC). Military Level A protection code, identifying the type storage facility allowed (e.g. Unheated warehouse, Controlled Humidity Storage, Open Storage)

Transaction type. If the transaction type (TT) in the TACOM Packaging Data file is A or C, enter "C" to change the entry. If the transaction type (TT) is blank, enter "A" to add the entry.

Development Stage (Originator) Enter "X" (only with prior approval) in the first position if the data is interim performance. Enter a dash (-) if the data is engineered. Enter the symbol of the developer of the packaging data in second and third positions.

Document Revision - For PIC 6 Equipment Preservation Data Sheets only, enter the Revision of the Level A packaging document. If original, leave blank.

Document Date - For PIC 6 Equipment Preservation Data Sheets only, enter the date of the document in month-day-year sequence (two digit numerical characters for each).

Item Length, Item Width, Item Depth Enter the length, width and depth in inches and tenths of an inch. These entries shall equal the dimensions of the smallest rectangular solid into which the item will fit. For dimensions less than one tenth inch enter "0001". The largest dimension shall be entered as the length. The smallest dimension shall be entered as the depth.

Hazardous material code Enter the hazardous material code.

Hazardous Material Code

N Item is not hazardous for transport.

D Item is regulated hazardous in accordance with CFR 49. Hazardous material is any material or substance which is capable of posing an unreasonable risk to health, safety, or property when transported in commerce. For background see: International Maritime Dangerous Goods Code, INTERNATIONAL MARITIME ORGANIZATION; Technical Instructions for Safe Transport of Hazardous Goods, INTERNATIONAL CIVIL AVIATION ORGANIZATION; Title 29 (Labor), 40 (Protection of Environment) and 49 (Transportation), CODE OF FEDERAL REGULATIONS; and Recommendations on the Transport of Dangerous Goods, UNITED NATIONS.

Performance Oriented Packaging (POP) Hazardous Code Enter the POP hazardous code.

POP Hazardous Code

N	Not hazardous for transport
H	Hazardous for transport non POP
D	Hazardous for transport POP candidacy not determined
P	Hazardous for transport POP item
K	Hazardous for transport POP item inner package
J	Hazardous for transport POP item outer package
C	Hazardous for transport POP item package POP tested
F	Hazardous for transport POP item package POP tested
T	Hazardous for transport POP item package POP tested
X	Hazardous for transport POP item package POP tested

Unit Pack Length, Width, and Depth Enter the exterior length, width and depth in inches and tenths of an inch. For dimensions less than one tenth inch enter "00001". The largest dimension shall be entered as the length. The smallest dimension shall be entered as the depth. For unit packs with skids, the vertical dimension shall be entered as the depth and the largest horizontal dimension shall be entered as the length.

SPI Revision - For PIC 4 items, enter the revision of the Special Packaging Instruction. If original, leave field blank or enter a dash (-). To be filled in when requested.

SPI Date - For PIC 4 items, enter the ordinal date, reflecting the position day in the first two positions, the two position month in the third and fourth positions and the four position year in the fifth through eighth positions (e.g., April 15, 1999 would be 15041999) Do not use spaces or dashes.

Supporting Logistic Information Include Logistics information for each of the items. Data shall be provided, as necessary, to permit the reviewer to determine the adequacy of the prepared packaging analysis and data submittal. This includes item drawings and logistics data such as; copies of Material Safety Data Sheets. Additionally, performance test report and photographic records of packaging and testing shall be delivered (where appropriate).

ATTACHMENT 0010 (DI-ALSS-81529)

## INCOMING TRANSACTION FORMAT

Transactions must be submitted in an ASCII delimited text format using commas as delimiters. Quotation marks may be used as text qualifiers but are not required. All text must be upper case. The data provided shall apply to a single item.

<u>FIELD</u>	<u>POSITION</u>	<u>LENGTH</u>
NATIONAL STOCK NUMBER	1-13	13
PACKAGING INDICATOR CODE	14-16	3
TRANSACTION TYPE	17	1
LOP A TYPE STORAGE CODE	18	1
LOP B TYPE STORAGE CODE	19	1
LOP C TYPE STORAGE CODE	20	1
LOP A PACK LEVEL REFERENCE INDICATOR	21	1
LOP B PACK LEVEL REFERENCE INDICATOR	22	1
LOP C PACK LEVEL REFERENCE INDICATOR	23	1
LOCAL CONTROL	24-26	3
DOCUMENT REVISION	27-28	2
DOCUMENT DATE	29-34	6
NUMBER OF SHEETS (leave blank)	35-37	3
TD/CMS (leave blank)	38	1
SHELF LIFE	39	1
PACKAGING REFERENCE	40-49	10
ITEM NAME	50-58	9
ITEM WEIGHT	59-63	5
ITEM LENGTH	64-67	4
ITEM WIDTH	68-71	4
ITEM DEPTH	72-75	4
PACKAGING CATEGORY	76-79	4
SPECIAL MARKING	80-81	2
QUANTITY PER UNIT PACK	82-84	3
INTERMEDIATE CONTAINER QUANTITY	85-87	3
CAGE	88-92	5
PART NUMBER	93-113	21
PART INDICATOR	114	1
HAZARDOUS MATERIALS CODE	115	1
PRESERVATION METHOD	116-117	2
CLEANING AND DRYING	118	1
PRESERVATIVE MATERIAL	119-120	2
WRAP MATERIAL	121-122	2
CUSHIONING AND DUNNAGE	123-124	2
CUSHIONING THICKNESS	125	1
UNIT CONTAINER	126-127	2
INTERMEDIATE CONTAINER	128-129	2
UNIT CONTAINER LEVEL	130	1
LEVEL A PACKING CODE	131	1
LEVEL B PACKING CODE	132	1
LEVEL C PACKING CODE	133	1
UNIT PACK WEIGHT	134-138	5
UNIT PACK LENGTH	139-142	4
UNIT PACK WIDTH	143-146	4
UNIT PACK DEPTH	147-150	4
UNIT PACK CUBE	151-157	7
OPTIONAL PROCEDURE INDICATOR (left blank)	158	1
LEVEL A SUPPLEMENTAL INSTRUCTIONS	159-208	50
SPI REVISION	209	1
SPI DATE	210-214	5
CONTAINER NATIONAL STOCK NUMBER	215-227	13
LEVEL B SUPPLEMENTAL INSTRUCTIONS	228-277	50
LEVEL C SUPPLEMENTAL INSTRUCTIONS	278-327	50
APPROVAL	328-336	9
COMMENTS	337-386	50
STATUS	387-394	8
TRANSACTION DATE	395-400	6

Attachment 0011  
LLRC DESIGN PROPOSAL FORMAT

Develop Long Life Reusable Containers (LLRC) for the \_\_\_\_\_

1. PURPOSE

The \_\_\_ Assembly (part number \_\_\_\_\_) requires the development, validation, and documentation of a new reusable shipping and storage container due to its unique dimensions and Government requirements described within this document. Upon completion of the efforts described within this document, the new reusable shipment and storage container will be implemented for the spare and repair part packaging, handling, storage, and transportability requirements of the \_\_\_ Assembly. The container will be designed to accommodate the \_\_\_ Assembly only. The Government requirements of the container are contained in SAE ARP 1967A with the exceptions listed in Appendix A of this document.

2. REUSABLE CONTAINER DEVELOPMENT

The LLRC vendor shall provide a reusable container for the \_\_\_ Assembly (part number \_\_\_\_\_) in accordance with SAE ARP 1967A. Exceptions from this practice are noted in Appendix A. The effort includes cost for development, design prototype construction, validation, and completion of the technical data package for competitive procurement.

This container 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 this reusable container is forbidden except for the container skids. This container should, as required, incorporate energy absorbing systems, dehumidification systems, and other special features to ensure protection of the item. This container should be capable of being repaired and/or retrofitted to prolong container service life or modified to adapt reusable container for shipment of the items other than for which it was originally intended. TB 9-289, Technical Bulletin for the Reconditioning of Type I and Type II Reusable Metal Containers, shall be used as a guide.

The container size shall be of the minimum, consistent with the size of the contents and the performance requirements of SAE ARP 1967A. 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.

3. DEVELOPMENT PROCESS

- \* \_\_\_\_\_ will solicit LLRC vendors with Request For Quote (RFQ).
- \* LLRC vendors to submit an itemized proposal with line item pricing to include, but not limited to, the following items:
  1. Produce Design Concept (drawing package or 3-D model) for Approval.
  2. Host the Design Review.
  3. Construct the Prototype Container.
  4. Develop and Submit Test Plan for Approval.
  5. Validation of Container for Approval.
  6. Develop and Deliver Technical Data Package for Approval.
- \* \_\_\_\_\_ to select LLRC vendors and award a purchase order.
- \* LLRC vendor to provide design concept to \_\_\_\_\_
- \* Design review and acceptance.
- \* \_\_\_\_\_ to authorize LLRC vendor to build prototype.
- \* LLRC vendor to submit test plan to \_\_\_\_\_ for acceptance.
- \* LLRC vendor to validate/test the prototype and receive acceptance from \_\_\_\_\_
- \* LLRC vendor to develop technical data package and submit to \_\_\_\_\_ for acceptance.

4. VALIDATION

Upon receiving \_\_\_\_\_ approval of the reusable container design test report, the LLRC vendor shall provide a complete Technical Data Package (TDP) for the reusable shipping and storage container. The TDP shall include engineering drawings and associated lists in sufficient detail to provide for a competitive procurement. \_\_\_\_\_ will supply Army part numbers and/or 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, and PDF.

5. ITEMS PROVIDED BY \_\_\_\_\_

Upon purchase order acceptance, \_\_\_\_\_ will provide the LLRC vendor with one \_\_\_ Assembly (part number \_\_\_\_\_), drawings, and other relevant information. \_\_\_\_\_ will pay shipping cost for shipping the item to the LLRC vendor. The LLRC vendor will pay shipping cost for returning the item together with the prototype LLRC to \_\_\_\_\_.

6. ITEMS PROVIDED BY LLRC VENDOR

Upon purchase order acceptance, the LLRC vendor will provide the following;

- \* Project Management (showing project cost and schedule).
- \* Design concept/report (drawing package or 3-D model).
- \* Prototype container.
- \* Validation testing plan, perform testing, and validation test report including instrument record data.
- \* Technical Data Package (TDP).

7. DATES

Included in the proposal shall be a detailed schedule. The schedule shall include, but is not limited to, the following dates:

- \* Provide design concept and host design concept review.
- \* Completion of prototype, validation testing plan, and perform testing.
- \* Validation test report and records are due 30 days after validation.
- \* Completion of TDP provided to \_\_\_\_.

8. \_\_\_\_ TECHNICAL CONTACT

Appendix A  
Revisions and Exceptions to SAE ARP 1967A

The below listed paragraphs are exceptions to SAE ARP 1976A as requested by the U.S. Army Tank Automotive Command (TACOM) and shall be included with the container development/design effort for the \_\_\_\_ Assembly container. The exceptions listed apply to the specific paragraph noted and do not flow down to the sub-paragraphs in each section.

3.3.1.4 Add the following sentence at the end of the paragraph: Elastomeric isolators shall meet the requirements of A-A-52486, have the transmissibility of no more than 5 to 1, and transmit no more than 12 Gs to the item during drop testing.

3.3.2 The last sentence does not apply.

3.3.3.2.2 Replace the first sentence with: All sealing surfaces shall be such to ensure sealing under performance requirements of this specification at 20 kPa (3.0 psig) positive pressure.

3.3.4.2 N/A.

3.3.5.3 N/A.

3.3.5.5 N/A.

3.3.5.6 N/A.

3.3.5.9 N/A.

3.4.3 Replace paragraph with the following: Welding: Welding shall be in accordance with drawing 19207 12479550, Reference MIL-STD-1261, Class 2 (steel) and 19207 12472301, Reference Section 8 and/or 9 (aluminum).

3.8.2- Delete the last sentence and replace with the following: Shock loads transmitted to the item shall not exceed 12 Gs. To demonstrate this requirement, longitudinal, vertical and lateral accelerations shall be measured by accelerometers mounted as close as possible to the center of gravity of the item. An oscillograph having facilities for direct recording of accelerometer signals shall be used. The system shall have a range of from one to 100 cycles per second (CPS).

3.9 a. Change from: TIEDOWN/LIFT HERE to: LIFT HERE. The rest of Paragraph 3.9 a. does not apply.

3.9 m. N/A.

3.9 n. N/A.

4.5.3 Container high and low temperature drop tests not applicable. Additional sub test apply at ambient conditions except as noted.

4.5.3.1- Replace paragraph with the following:

Edgewise Drop Test. The loaded container shall be supported at one end of its base on a wood sill nominally six inches high, placed perpendicular to the skids. The opposite end of the container shall be raised and allowed to fall freely from heights of 6, 12, 18, 24, 30 and 36 inches successively to a concrete or similarly hard surface. Two drops shall be made from the 36 inch height. This test shall be applied to the other end of the container. If the size of the container and the location of the center of gravity are such that drop tests cannot be made from all of the prescribed heights, the greatest attainable height shall be repeated for a total of six drops.

4.5.3.2- Replace paragraph with the following:

Cornerwise Drop Test. The loaded container shall be supported at one corner of its base on a block nominally six inches high. A block nominally 12 inches high shall be placed under the other corner of the same end of the container. The opposite end of the container shall be raised and allowed to fall freely from heights of 6, 12, 18, 24, 30 and 36 inches successively (as measured from the lower of the two corners) to a concrete or similarly hard surface. Two drops shall be made from the 36 inch height. If the size of the container and the center of gravity are such that drop tests cannot be performed from all of the prescribed heights, the greatest attainable height shall be repeated for a total of six drops. This test shall be applied to diagonally opposite corners on each end of the container. If during the testing, the blocks shift more than six inches from the end of the skids, the blocks shall be repositioned at the ends of the skids.

4.5.3.3- N/A

4.5.3.4 - Replace paragraph with the following:

Flatwise Drop Test. The container shall be raised in its normal storage position and allowed to fall freely from heights of 6 and 12 inches to land flat on a concrete or similarly hard surface. Container, 5 cubic feet to 25 cubic feet exterior volume, shall be dropped four times at each height. Containers 25 to 50 cubic feet shall be dropped twice from each height. Containers over 50 cubic feet shall be dropped once from each height.

4.5.4- Replace paragraph with the following:

Roll-Over Test. The container in normal storage position shall be rolled slowly sideways until it falls freely onto its side on a concrete or similarly hard surface. This procedure shall be repeated with a fall from one side to the top, from the top to the other side, and from the other side to the base. This test shall be applied to vertical cylindrical containers. In vertical cylindrical containers the component is mounted from one end with its longitudinal axis perpendicular to the base of the container.

Tip-Over Test. The test applies to containers having a width less than 1/3 of the height. The container in normal storage position on a hard level surface shall be slowly tipped to the heavier side until it falls freely to the ground. If the container has no heavier side, two falls, each 180 degree apart, shall be made.

4.5.5 N/A.

4.5.6 Replace paragraph with the following:

Pendulum Impact Test. The container shall be suspended as a pendulum from four chains or cables (two chains or cables shall be used for cylindrical containers with two hoisting devices). The chains or cables shall be of sufficient length to provide a distance of 16 feet from bottom of the container to point of suspension. The impact bumper shall be stationary and vertically flat and may be faced with a nominal two inch thickness hardwood impact surface. The bumper impact surface shall be at least six inches high. The suspended container shall clear the floor or ground surface by two or three inches while swinging. The ends of the skids shall be the point of impact. The suspended container shall be pulled back perpendicularly from the bumper until a height of 18 inches or more than the floor clearance is reached. This measurement shall be taken vertically between a measuring reference point on the container and the floor or ground. The container shall be released to swing freely in a perpendicular line to strike the bumper. One impact shall be made on each end of the container.

4.5.7.1- Replace paragraph with the following:

Static Load Test. One of the following tests, whichever is the greater load, shall be applied.

Concentrated Load Resistance. A simulated load equal to twice the weight of the container with its designated contents shall be stacked on top of the container. If the stacked height of three containers does not equal 16 feet, add additional weight until it stimulates containers stacked to a minimum height of 16 feet. Containers shall not be pressurized during this test. Measurements shall be taken to determine if permanent deformation has taken place.

Distributed Load Resistance. A load of 175 pounds per square feet shall be evenly distributed on the top surface of the container. This test shall not be applied to areas with curved or dome shaped cross-section. Containers shall not be pressurized during this test. Measurements shall be taken to determine if permanent deformation has taken place.

4.5.8.1 Replace paragraph with the following:

Hoisting Test. The loaded container shall be suspended for at least two minutes clear of the ground (or other supports) by one of the hoisting provisions. The hoisting provision shall be capable of withstanding this test without failure or visible permanent deformation. This test shall be applied separately to each individual hoisting eye, ring, lug or bracket. Stationary hoisting devices shall not be

positioned to extend beyond the maximum dimensions of the container. The same requirement applies to retractable hoisting devices when not in use.

4.5.8.3.2. N/A.

4.5.8.3.5 Use bottom section positioned on top section to validate integral stacking.

ATTACHMENT 0013  
PUBLICATIONS GENERAL REQUIREMENTS

1.0 PREPARATION INSTRUCTIONS

1.1 Electronic Technical Manuals (ETM) Contractor shall develop Department of Army Technical Manuals (DATM) and National Maintenance Work Requirements (NMWRs) in hard copy and as Electronic TMs (ETM) in intelligent Portable Document Format (PDF) for each required equipment publication delivered under the contract in accordance with (IAW) guidance below.

1.2 Interactive Electronic Technical Manuals (IETM) The contractor shall develop an Interactive Electronic Technical Manual (IETM). The IETM shall be developed IAW CDRL A113 (IETM) and the approved TABLE A-XVII Functionality Matrix in Appendix A, MIL-STD 40051-1. The IETM shall be developed using TACOMs Next Generation Electronic Maintenance System (EMS) portal. All technical manual content will be developed using XML tagging IAW MIL-STD 2361.

2.0 REQUIREMENTS FOR PUBLICATION DELIVERIES

2.1 Preliminary Technical Manual (PTM). For PTM delivery, Contractor shall provide complete publication(s). PTM manual(s) shall be hardcopy and shall be representative of the final product. Contents must be clearly legible with the same content and format as the final. Each PTM delivery shall include all changes and final resolutions resulting from Government reviews and tests as well as Contractor quality reviews and final edit. A publication will be considered PTM until Government acceptance that all changes have been incorporated. PTM hardcopies shall be reproduced back-to-back, collated and assembled, with each copy drilled for standard three-hole punch. PTM manual(s) delivery shall include quantities as stated on the work directive. ETM copies of the PTM shall be delivered on an International Organization for Standardization (ISO) 9660 CD-ROM or Digital Video Disc (DVD). IETMS shall be delivered on DVD and upload the electronic file(s) to CMS or equivalent.

2.2 Final Reproducible Copy (FRC). Each hard copy FRC shall be reproduced back-to-back, collated and assembled, and drilled for standard three-hole punch. FRC pages produced from a 600 dot-per-inch (minimum) laser printer or Photo Mechanical of original master paste-up boards are acceptable. The intent is to receive crisp, clear, reproducible pages without additional work or loss of quality due to handling or storage. Copies of final paper manual(s) shall be made in the required quantities as per the work directive, reproduced back-to-back, collated assembled, and drilled for standard three-hole binder. ETM copies of the FRC shall be delivered on an International Organization for Standardization (ISO) 9660 CD-ROM or DVD. The IETM shall be delivered in Digital Video Disc (DVD) format for FRC. All electronic file(s) shall be uploaded to CMS or equivalent at the FRC delivery.

2.3 Technical Manual Deliverables. Government may choose to change delivery options and quantities, as required. PTM(s) and FRC of each manual shall be delivered, as required, by the work directive. PTM(s) must be a complete publication in the same format as the final publication. PTM(s) shall include all required content. PTM(s) shall have all previous review, validation corrections, changes, and additions incorporated. An FRC of each manual shall be delivered, as required, in the appropriate work directive. If errors are found in the FRC, it shall be considered a PTM until the Contractor corrects the errors.

3.0 SPECIFICATIONS

3.1 AR 25-30 The Army Publishing Program

3.2 AR 750-1 Army Material Maintenance Policy

4.0 CLARIFICATIONS

4.1 All illustrations shall be line drawings. Digital photographs may be used only when approved by the Government when a photograph provides for better clarity than a line drawing.

4.2 Illustrations in operation and maintenance instructions shall be isometric and provide a view as seen by the user. Quantity and type of illustration shall allow user to locate items and operate and maintain equipment in an accurate and efficient manner.

4.3 Prepare an operator PMCS IAW MIL-STD-40051-1/2. The operator checks and services must require only common tools, which are included in the Basic Issue Items (BII) furnished with and stored on the vehicle during operation. Operator PMCS will include intervals such as; before, during, after, weekly and monthly, as applicable.

4.4 Prepare a field PMCS containing field level tasks IAW MIL-STD-40051-1/2. The field PMCS will include intervals such as; quarterly, semiannually or annually.

5.0 NMWRs

5.1 The NMWRs shall include inspection procedures, overhaul procedures, mandatory replacement parts list, and any refurbishing

instructions. The Contractor shall provide a list of maintenance procedures either published in an existing Service TM or new maintenance procedures not yet published. The maintenance procedures shall also include information on replacing or upgrading testing/diagnostic sensors, final testing procedures and packing and preservation procedures. The new maintenance procedures will be added to the proper maintenance manual(s) or included in the NMWR.

5.2 The NMWRs shall also include the technical rebuild standards, inspections, machining standards, and testing procedures. Pre-shop analysis for sub-components, if required, shall also be developed and included in the NMWRs.

5.3 Preservation, packaging, marking for shipment and storage, heat treatment and marking of wood packaging materials shall be included in each NMWR work package as described in MIL-STD-40051-2. The packaging requirements for all components and end items under maintenance shall be requested from the items source of supply packaging management activity during the documents initial development and any revisions.

5.4 The data developed from the analysis of each NMWR component candidate shall be included in each NMWR. The Contractor shall prepare the NMWRs using the following specifications and standards:

MIL-STD-40051-2, current date at the time of award.  
MIL-STD-2361, DoD Interface Standard Digital Publications development.  
National Maintenance Point rebuild standards will be numbered IAW AR 25-30.

5.5 The Government reserves the right to combine all selected components into one NMWR for this vehicle series.

#### 6.0 ADOBE ACROBAT ETMS

6.1 The Contractor shall develop separate ETMs using the portable document exchange system, Acrobat (Adobe Systems Acrobat) PDF. They shall be editable, searchable, and have the capability of being linked but not with links already established. Content of MIL-STD TMs shall meet the content requirements of MIL-STD-40051-2 as appropriate. The PDF files of each TM must be distilled or produced electronically from the TM and shall match exactly the content of the TM.

6.2 The Contractor shall deliver each Acrobat PDF ETM on an International Organization for Standardization (ISO) 9660 CD-ROM or DVD.

6.3 The Contractor shall provide the Government with validated draft equipment publications IAW the work directive. The Contractors validation shall be hands-on live testing, desk-top review, or a combination of these methods to ensure that the draft ETMs are fully operational so that the Government can evaluate their operation, navigation, and structure. The paper copy draft and the ETMs shall be mutually inclusive of data, text, art, and format. The Contractor shall give the Government a 30-day notice of the time and place of their validation so the Government may attend.

6.4 The Contractor shall provide the Government with FRC equipment publications IAW the work directive. All errors discovered by the Government or Contractor during validation, verification, and reviews shall be corrected by the Contractor at no additional charge.

6.5 TM data prepared and delivered digitally IAW the work directive and standard shall be Extensible Markup Language (XML) tagged using the Document Type Definitions (DTDs) and the XML Extensible Stylesheet Language (XSL), or style sheets IAW MIL-STD-2361. The DTD referenced in this standard interprets the technical content and structure for the functional requirements contained in this standard and is mandatory for use. The XSLs referenced herein interpret the style and format. As specified by the contracting activity, XSLs or style sheets may be used to produce final reproducible paper copy for all TMs prepared IAW this standard. For additional information on DTDs and specific XSLs, refer to MIL-STD-2361.

#### 7.0 VERIFICATION

7.1 The USG will provide a verification plan IAW AMC-P 25-31 and will be determined and scheduled after the review and acceptance of the validation certificate and the PTM USG review.

7.2 The USG will perform 100% verification of the TM and IETM by hands on, desk top review, or a combination of both.

7.3 The verification will be held as specified in the WD.

7.4 The contractor will provide all Mandatory Replacement Parts (MRP) and special tools for all verifications.

7.5 IETM Verification In addition to paragraph 7.0 verification, the contractor shall:

7.5.1 Provide equipment for displaying IETMs during the verification process. The Maintenance Support Device (MSD) will be required.

7.5.2 Record and maintain records during the verification process.

7.5.3 Provide assistance to the Technical Manager or their designated representative during the verification, and provide the USG with a copy of the discrepancies revealed.

7.5.4 The IETM shall be validated and verified for loading, usability, navigation, and technical accuracy.