

19. Item No.	20. Schedule Of Supplies/Services	21. Quantity	22. Unit	23. Unit Price	24. Amount

32a. Quantity In Column 21 Has Been

Received Inspected Accepted, And Conforms To The Contract, Except As Noted: _____

32b. Signature Of Authorized Government Representative		32c. Date	32d. Printed Name and Title of Authorized Government Representative			
32e. Mailing Address of Authorized Government Representative			32f. Telephone Number of Authorized Government Representative			
			32g. E-Mail of Authorized Government Representative			
33. Ship Number		34. Voucher Number	35. Amount Verified Correct For	36. Payment		37. Check Number
<input type="checkbox"/> Partial	<input type="checkbox"/> Final			<input type="checkbox"/> Complete <input type="checkbox"/> Partial <input type="checkbox"/> Final		
38. S/R Account No.		39. S/R Voucher Number	40. Paid By			
41a. I Certify This Account Is Correct And Proper For Payment			42a. Received By (Print)			
41b. Signature And Title Of Certifying Officer			41c. Date		42b. Received At (Location)	
			42c. Date Rec'd (YY/MM/DD)		42d. Total Containers	

CONTINUATION SHEET	Reference No. of Document Being Continued	Page 2 of 34
	PIIN/SIIN W56HZV-14-D-0016 MOD/AMD	

Name of Offeror or Contractor: IDSC HOLDINGS LLC

SUPPLEMENTAL INFORMATION

Buyer Name: MICHAEL W. WILSON
 Buyer Office Symbol/Telephone Number: CCTA-HBF-P/(586)282-3526
 Type of Contract: Firm Fixed Price
 Kind of Contract: Supply Contracts and Priced Orders
 Type of Business: Large Business Performing in U.S.
 Surveillance Criticality Designator: B
 Contract Expiration Date: 2017JAN29

*** End of Narrative A0000 ***

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

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

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

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

(d) Requirements for the online ASFI bid submission:

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

(2) If you found the solicitation on ProcNet, use the following link to the Start Bid Page on the ASFI BRS website for this solicitation:
https://acquisition.army.mil/asfi/solicitation_view.cfm?psolicitationnbr=W56HZV13R0419-

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

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

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

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

(e) Note to offerors:

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

It is the offeror's responsibility to assure their proposal is received by the date and time specified on the cover page of this solicitation. In accordance with FAR 15.208, if your proposal was not received at the initial point of entry to the Government infrastructure (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.

CONTINUATION SHEET	Reference No. of Document Being Continued	Page 3 of 34
	PIIN/SIIN W56HZV-14-D-0016 MOD/AMD	

Name of Offeror or Contractor: IDSC HOLDINGS LLC

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

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

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

End of Provision

2 52.204-4850 ACCEPTANCE APPENDIX SEP/2008

(a) Contract Number W56HZV-14-D-0016 is awarded to IDSC Holdings LLC (Snap-on) .

(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. Attachment 0003 - HMEE I Field Level Tools Packaging

(d) The contractor's subcontracting plan dated 04 Nov 2013 is incorporated into the contract by reference.

(e) The following Amendment(s) to the solicitation are incorporated into this contract: 0001, 0002, 0002, 0004, 0005, and 0006.

[End of Clause]

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]

CONTINUATION SHEET**Reference No. of Document Being Continued****Page 4 of 34****PIIN/SIIN** W56HZV-14-D-0016**MOD/AMD****Name of Offeror or Contractor:** IDSC HOLDINGS LLC

The following clauses were included in the solicitation, but have been updated upon award to reflect the most recent versions:

DFARS 252.211-7003 - ITEM UNIQUE IDENTIFICATION AND VALUATION

DFARS 252.225-7013 - DUTY-FREE ENTRY

FAR 52.212-5 - CONTRACT TERMS AND CONDITIONS REQUIRED TO IMPLEMENT STATUTES OR EXECUTIVE ORDER--COMMERCIAL ITEMS

*** END OF NARRATIVE A0001 ***

CONTINUATION SHEET

Reference No. of Document Being Continued
 PIIN/SIIN W56HZV-14-D-0016 MOD/AMD

Name of Offeror or Contractor: IDSC HOLDINGS LLC

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT															
	<p>SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p>THIS IS A FIRM FIXED PRICE (FFP) REQUIREMENTS CONTRACT</p> <p>IN THE FOUR DIGIT ITEM NUMBERS (CLINS) THAT FOLLOW, THE NUMBERING SYSTEM THAT IS USED IS AS FOLLOWS:</p> <p>THE FIRST TWO DIGITS SIGNIFY THE APPLICABLE ORDERING PERIOD AND THE LAST TWO DIGITS SIGNIFY THE ITEM. CLIN 0101 IS FOR THE FIRST ORDERING PERIOD, FIRST ITEM. CLIN 0201 IS FOR THE SECOND ORDERING PERIOD, FIRST ITEM.</p> <p>THE FOLLWOING DEFINITIONS APPLY TO THE FIRST THREE YEARS OF THE SOLICITATION AND RESULTING CONTRACT:</p> <p><u>FIRST ORDERING PERIOD</u> OF THE CONTRACT IS THE DATE OF AWARD PLUS 364 DAYS.</p> <p><u>SECOND ORDERING PERIOD</u> OF THE CONTRACT IS 365 DAYS THROUGH 729 DAYS AFTER CONTRACT AWARD.</p> <p><u>THIRD ORDERING PERIOD</u> OF THE CONTRACT IS 730 DAYS THROUGH 1094 DAYS AFTER CONTRACT AWARD.</p> <p><u>NOTE:</u> THE PRICE APPLICABLE TO AN INDIVIDUAL ORDER IS THE PRICE FOR THE ORDERING PERIOD IN WHICH THE ORDER IS ISSUED. THE DELIVERY DATE DOES NOT DETERMINE THE ORDERING PERIOD.</p> <p>(End of narrative A001)</p>																			
0101	<p><u>1ST ORDERING YEAR-FIELD LEVEL TOOL SETS</u></p> <p>COMMODITY NAME: HMEE TOOL SETS PSC: 5180 CLIN CONTRACT TYPE: Firm Fixed Price</p> <p><u>Range Quantities</u></p> <table border="1"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>UNIT PRICE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>50</td> <td>\$18,743.20</td> </tr> <tr> <td>51</td> <td>105</td> <td>\$18,555.77</td> </tr> <tr> <td>106</td> <td>165</td> <td>\$18,368.34</td> </tr> <tr> <td>166</td> <td>250</td> <td>\$18,274.62</td> </tr> </tbody> </table> <p>The above range prices will be in effect for orders placed in year one, which is the date of contract award plus 364 days.</p>	FROM	TO	UNIT PRICE	1	50	\$18,743.20	51	105	\$18,555.77	106	165	\$18,368.34	166	250	\$18,274.62	EST 87	SE	See Range Pricing	
FROM	TO	UNIT PRICE																		
1	50	\$18,743.20																		
51	105	\$18,555.77																		
106	165	\$18,368.34																		
166	250	\$18,274.62																		

Name of Offeror or Contractor: IDSC HOLDINGS LLC

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT															
0201	<p>(End of narrative B002)</p> <p><u>Packaging and Marking</u> PACKAGING/PACKING/SPECIFICATIONS: SEE REQUIREMENTS IN SECTION D AND ATTACH 0003 LEVEL PRESERVATION: Commercial LEVEL PACKING: Commercial</p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p> <p><u>2ND ORDERING YEAR-FIELD LEVEL TOOL SETS</u></p> <p>COMMODITY NAME: HMEE TOOL SETS PSC: 5180 CLIN CONTRACT TYPE: Firm Fixed Price</p> <p><u>Range Quantities</u></p> <table border="1"> <thead> <tr> <th>FROM</th> <th>TO</th> <th>UNIT PRICE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>50</td> <td>\$19,211.78</td> </tr> <tr> <td>51</td> <td>105</td> <td>\$19,019.66</td> </tr> <tr> <td>106</td> <td>165</td> <td>\$18,827.54</td> </tr> <tr> <td>166</td> <td>250</td> <td>\$19,731.49</td> </tr> </tbody> </table> <p>The above range prices will be in effect for orders placed in ordering year two, which is 365 days through 729 days after contract award.</p> <p>(End of narrative B001)</p> <p><u>Packaging and Marking</u> PACKAGING/PACKING/SPECIFICATIONS: SEE REQUIREMENTS IN SECTION D AND ATTACH 0003 LEVEL PRESERVATION: Commercial LEVEL PACKING: Commercial</p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p>	FROM	TO	UNIT PRICE	1	50	\$19,211.78	51	105	\$19,019.66	106	165	\$18,827.54	166	250	\$19,731.49	EST 46	SE	See Range Pricing	
FROM	TO	UNIT PRICE																		
1	50	\$19,211.78																		
51	105	\$19,019.66																		
106	165	\$18,827.54																		
166	250	\$19,731.49																		

CONTINUATION SHEET

Reference No. of Document Being Continued
 PIIN/SIIN W56HZV-14-D-0016 MOD/AMD

Name of Offeror or Contractor: IDSC HOLDINGS LLC

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT															
0301	<p><u>3RD ORDERING YEAR-FIELD LEVEL TOOL SETS</u></p> <p>COMMODITY NAME: HMEE TOOL SETS PSC: 5180 CLIN CONTRACT TYPE: Firm Fixed Price</p> <p style="text-align: center;"><u>Range Quantities</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">FROM</th> <th style="text-align: left;">TO</th> <th style="text-align: left;">UNIT PRICE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>50</td> <td>\$19,692.07</td> </tr> <tr> <td>51</td> <td>105</td> <td>\$19,495.15</td> </tr> <tr> <td>106</td> <td>165</td> <td>\$19,298.23</td> </tr> <tr> <td>166</td> <td>250</td> <td>\$19,199.77</td> </tr> </tbody> </table> <p>The above range prices will be in effect for orders placed in ordering year three, which is 730 days through 1094 days after contract award.</p> <p style="text-align: center;">(End of narrative B001)</p> <p><u>Packaging and Marking</u> PACKAGING/PACKING/SPECIFICATIONS: SEE REQUIREMENTS IN SECTION D AND ATTACH 0003 LEVEL PRESERVATION: Commercial LEVEL PACKING: Commercial</p> <p><u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin</p> <p>FOB POINT: Origin</p>	FROM	TO	UNIT PRICE	1	50	\$19,692.07	51	105	\$19,495.15	106	165	\$19,298.23	166	250	\$19,199.77	EST 59	SE	See Range Pricing	
FROM	TO	UNIT PRICE																		
1	50	\$19,692.07																		
51	105	\$19,495.15																		
106	165	\$19,298.23																		
166	250	\$19,199.77																		

CONTINUATION SHEET**Reference No. of Document Being Continued**

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PIIN/SIIN W56HZV-14-D-0016

MOD/AMD

Name of Offeror or Contractor: IDSC HOLDINGS LLC

DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
1	52.211-4072	TECHNICAL DATA PACKAGE INFORMATION	JUL/2012

The following Xd item applies to this solicitation:

[XX] 1. There is no Technical Data Package (TDP) included with this solicitation.

[] 2. This solicitation contains one or more web-located TDPs. If multiple Contract Line Item Numbers (CLINS) are listed below, each one will have its own URL just under the CLIN listing. The URL will take you to that CLINs Web-located TDP. To access the TDP, you will have to copy or type the links URL to your web browser address bar at the top of the screen.

Note: To copy a link from a .pdf file, click on the Text Select Tool, then highlight the URL, copy and paste it into your browser, and hit the Enter key.

CLIN: N/A

TDP Link (URL): N/A

[] 3. The TDP for this solicitation resides within FedBizOpps (://www.fbo.gov), associated with this solicitation number, and can be accessed via this URL:

N/A

To access the data through FBO:

a. Log on to the FBO web site.

b. Enter your Marketing Partner Identification Number (MPIN).

c. Search for the solicitation number.

d. If solicitation is Export Controlled, select Verify MPIN.

(1) TDPs that have an Export Control Warning Notice are subject to the Arms Export Control Act (Title 22, U.S.C., Sec 2751, et.seq.) or the Export Administration Act of 1979, as amended, Title 50, U.S.C, App. 2401 et. seq..

(2) Further dissemination must be in accordance with provisions of DoD Directive 5230.25. This also applies to distribution of the TDP to all SUBCONTRACTORS at every level.

(3) To obtain these TDPs, vendors and contractors must have a current DD 2345, Militarily Critical Technical Data Agreement on file with Defense Logistics Information Service (DLIS).\~ If you are currently certified, your MPIN will be verified and you may proceed to the next step.\~ To obtain certification, go to ://www.dlis.dla.mil/jcp/

click on documents and follow instructions provided. Processing time is estimated at six (6) to ten (10) weeks after receipt. FBO will allow you to access export controlled TDPs once certification is confirmed.

(4) Upon completion of the purposes for which Government Technical Data has been provided, the Contractor is required to destroy all documents, including all reproductions, duplications, or copies thereof as may have been further distributed by the Contractor. Destruction of this technical data shall be accomplished by: shredding, pulping, burning, or melting any physical copies of the TDP and/or deletion or removal of downloaded TDP files from computer drives and electronic devices, and any copies of those files.

e. If technical data is otherwise restricted, select Request Explicit Access. This will generate an email to the FBO system administrator at Army Contract Command - Warren (DTA) with all the information needed for them to grant you access. FBO will subsequently automatically generate an email stating when you have permission to view or download TDP items. Allow 2 3 working days to complete this FBO-TDP access/approval process through the FBO system.

f. If multiple individuals in your company need access to the Technical Data Package (TDP) for a solicitation and an explicit access request is required, each individual MUST submit an explicit access request to be granted approval to view the TDP. Those same individuals MUST be registered in Federal Business Opportunities (FBO). Any individuals no longer with the company should be deleted. Questions related to registration in FBO should be directed to ://www.fbo.gov/index The FBO helpdesk phone number is (866) 606-8220. Vendors are responsible for placing correct information in FBO.

g. It is strongly suggested that you submit the explicit access request and provide the buyer with the completed Use and Non-Disclosure Agreement at the same time if the solicitation requires both to gain access to view the TDP.

h. A user guide for FBO can be found at ://www.fbo.gov - on the right is User Guides - click on Vendor.

[End of clause]

C.1 The contractor shall provide up to 192 Field level Tool Sets for the High Mobility Engineer Excavator-Type I (HMEE-I) that will be used in support of Field Level Maintenance. The Field Level Tools Sets consist of 76 tools as listed in Attachment 0001.

C.1.1 Attachment 0004 contains a quantity of 11 individual unique tools that will be provided to the contractor as Government Furnished Material (GFM).

C.1.1.1 The contractor shall provide Field Level Tool Sets containing all items listed in Attachment 0001 as described in Attachment 0002-DFP, and Attachment 0004-GFM and prepare them for shipment in accordance with the shipping instructions provided in the delivery order.

C.1.1.1.1 The Field Level Tool Sets shall be packaged IAW the requirements listed in Attachment 0003.

CONTINUATION SHEET**Reference No. of Document Being Continued****Page 9 of 34****PIIN/SIIN** W56HZV-14-D-0016**MOD/AMD**

Name of Offeror or Contractor: IDSC HOLDINGS LLC

*** END OF NARRATIVE C0001 ***

CONTINUATION SHEET	Reference No. of Document Being Continued PIIN/SIIN W56HZV-14-D-0016 MOD/AMD	Page 10 of 34
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Name of Offeror or Contractor: IDSC HOLDINGS LLC

PACKAGING AND MARKING
PACKAGING AND MARKING

D.1. Preservation and Packaging

D.1.1 The Field Level Tools Set, including the GFM items in Attachment 0004 and the tools listed in Attachment 0002, Description for Purchase (DFP), shall be packaged IAW the requirements of the DFP and Attachment 0003 for HMEE-I Field Level Tools Packaging.

D.1.2 Any Software, technical data, reports, and contractual documentation delivered under this contract shall be preserved and packaged to deter theft and assure safe arrival at destination without damage to contents.

D.1.3 For each hazardous material item shipped under this contract, a copy of the Material Safety Data Sheet (MSDS) shall be placed into a sealed pouch and attached to the outside surface area of the Unit Container and Intermediate Container containing the prescribed hazardous material item. The Contractor shall comply with the applicable codes and standards listed here: (1) Code of Federal Regulation Titles 29, 40 and 49, (2) International Maritime Dangerous Goods Code (IMDG), for vessel transport, and (3) AFMAN 24-204, Preparing Hazardous Materials for Military Air Shipments (4) International Air Transportation Association (IATA).

D.1.4 In accordance with the requirements of the International Standards for Phytosanitary Measures (ISPM) 15, the following commercial heat treatment process has been approved by the American Lumber Standards Committee (ALSC) and is required for all Wood Packaging Material (WPM). Boxes/pallets and any wood used as inner packaging made of non-manufactured wood shall be heat-treated. All WPM shall be constructed from heat treated (treated to 56 degrees Celsius -core temperature- for 30 minutes) lumber, or constructed from untreated lumber and then heat treated to 56 degrees C or 132.8 F (core temperature) for 30 minutes, and certified by an agency accredited by the ALSC in accordance with Wood Packaging Material Policy and Wood Packaging Material Enforcement Regulations (see URL: <http://www.alsc.org>). The box/pallet manufacturer and the manufacturer of wood used as inner packaging shall ensure traceability to the original source of heat treatment.

D.2 Marking

D.2.1 The Field Level Tool Sets processed in accordance with Paragraph D.1.1 shall be marked in accordance with MIL-STD-129P (4) and section 3.9.1 in the DFP for HMEE-I Field Level Tools

D.2.2 All software, technical data, reports, etc. and contractual documentation referenced in Paragraph D.1.2 shall be identified by the prime contract number, name and address of the prime Contractor, and where applicable, the name and address of the subcontractor generating the data.

D.2.3 Marking of Wood Packaging Materials: The box/pallet manufacturer and the manufacturer of wood used as inner packaging shall ensure traceability to the original source of heat treatment Marking. Each box/pallet shall be marked to show the conformance to the International Plant Protection Convention Standard. The quality mark shall be placed on both ends of the outer packaging, between the end cleats or end battens. Pallet markings shall be applied to the stringer or block on diagonally opposite sides and ends of the pallet and be contrasting and clearly visible. All dunnage used in configuring and/or securing the load shall also comply with ISPM 15 and be marked with an ALSC approved DUNNAGE stamp. Foreign manufacturers shall have the heat treatment and marking of non-manufactured wood products verified in accordance with the ISPM-15 compliance program

*** END OF NARRATIVE D0001 ***

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PIIN/SIIN W56HZV-14-D-0016

MOD/AMD

Name of Offeror or Contractor: IDSC HOLDINGS LLC

INSPECTION AND ACCEPTANCE

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
1	52.246-15	CERTIFICATE OF CONFORMANCE	APR/1984
2	52.246-4028 (TACOM)	INSPECTION AND ACCEPTANCE POINTS: ORIGIN	NOV/2005

The Government's inspection and acceptance of the supplies offered under this contract/purchase order shall take place at ORIGIN. Offeror must specify below the exact name, address, and CAGE of the facility where supplies to be furnished under this contract/purchase order will be available for inspection/acceptance.

INSPECTION POINT: Snap-on Industrial 55719
(Name) (CAGE)

2801-80th Street Kenosha WI 53143
(Address) (City) (State) (Zip)

ACCEPTANCE POINT: Snap-on Industrial 55719
(Name) (CAGE)

2801-80th Street Kenosha WI 53143
(Address) (City) (State) (Zip)

[End of Clause]

3	52.246-4049 (TACOM-WARREN)	DRAWINGS FOR INSPECTION--COMMERCIAL ITEMS	AUG/2007
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(a) When requested, the Contractor shall make available to the Government Inspector, the drawings and specifications to which the product was manufactured. Upon completion of product inspection and acceptance by the Government Inspector, all drawings and specifications will be returned to the Contractor.

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

(c) The Government may rely on the contractors Certificate of Conformance, as outlined in FAR 52.246-15, that the commercial item tendered for acceptance conforms to the contract requirements. However, conditions may warrant that the contractor be required to make available to the Government drawings, specifications or other technical data such that the Government can determine if the commercial item meets the contract requirements. These conditions may include but not be limited to the following: 1.) Complex items or items which have quality characteristics, for which contractual conformance must be established through precise measurements and functional operation either as an individual item or in conjunction with other items. 2.) Items used in critical applications or items denoted as critical on technical data. 3.) Items with known quality conformance issues. 4.) Items with an unstable design history. 5.) Contractor changes in technical requirements, technical data, and/or production processes which impacts the fit, form or function of the item.

[End of clause]

E.1 The government will conduct an inspection of the first production set in accordance with section 4 of the DFP to ensure accuracy of field level tools provided, compliance to packaging instructions, and IUID compliance. Further production sets will not be accepted by the government until the government provides notice of successful inspection to the contractor.

*** END OF NARRATIVE E0001 ***

CONTINUATION SHEET**Reference No. of Document Being Continued**

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PIIN/SIIN W56HZV-14-D-0016

MOD/AMD

Name of Offeror or Contractor: IDSC HOLDINGS LLC

DELIVERIES OR PERFORMANCE

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
1	52.211-17	DELIVERY OF EXCESS QUANTITIES	SEP/1989
2	52.242-17	GOVERNMENT DELAY OF WORK	APR/1984
3	52.247-29	F.O.B. ORIGIN	FEB/2006
4	52.247-55	F.O.B. POINT FOR DELIVERY OF GOVERNMENT-FURNISHED PROPERTY	JUN/2003
5	52.247-58	LOADING, BLOCKING, AND BRACING OF FREIGHT CAR SHIPMENTS	APR/1984
6	52.247-59	F.O.B. ORIGIN--CARLOAD AND TRUCKLOAD SHIPMENTS	APR/1984
7	52.247-65	F.O.B. ORIGIN, PREPAID FREIGHT--SMALL PACKAGE SHIPMENTS	JAN/1991
8	252.211-7007	REPORTING OF GOVERNMENT-FURNISHED PROPERTY	AUG/2012
9	252.211-7008	USE OF GOVERNMENT-ASSIGNED SERIAL NUMBERS	SEP/2010
10	252.211-7003	ITEM UNIQUE IDENTIFICATION AND VALUATION	DEC/2013

(a) Definitions. As used in this clause

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

"Concatenated unique item identifier" means

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

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

"Data matrix" means a two-dimensional matrix symbology, which is made up of square or, in some cases, round modules arranged within a perimeter finder pattern and uses the Error Checking and Correction 200 (ECC200) specification found within International Standards Organization (ISO)/International Electrotechnical Commission (IEC) 16022.

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

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

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

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

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

"Governments unit acquisition cost" means

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

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

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

"Issuing agency" means an organization responsible for assigning a globally unique identifier to an enterprise (e.g., Dun & Bradstreet's Data Universal Numbering System (DUNS) Number, GS1 Company Prefix, Allied Committee 135 NATO Commercial and Government Entity (NCAGE)/Commercial and Government Entity (CAGE) Code, or the Coded Representation of the North American Telecommunications Industry Manufacturers, Suppliers, and Related Service Companies (ATIS-0322000) Number), European Health Industry Business Communication Council (EHIBCC) and Health Industry Business Communication Council (HIBCC)), as indicated in the Register of Issuing Agency Codes for

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

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

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

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

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

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

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

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

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

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

"Type designation" means a combination of letters and numerals assigned by the Government to a major end item, assembly or subassembly, as appropriate, to provide a convenient means of differentiating between items having the same basic name and to indicate modifications and changes thereto.

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

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

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

(c) Unique item identifier.

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

(i) Delivered items for which the Government's unit acquisition cost is \$5,000 or more, except for the following line items:

Contract Line,

Subline, or

Exhibit Line Item Number

Item Description

____N/A_____

____N/A_____

(ii) Items for which the Government's unit acquisition cost is less than \$5,000 that are identified in the Schedule or the following table:

Contract Line,

Subline, or

Exhibit Line Item Number

Item Description

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N/A

N/A

(iii) Subassemblies, components, and parts embedded within delivered items, items with warranty requirements, DoD serially managed reparable and DoD serially managed nonreparable as specified in Attachment Number N/A.

(iv) Any item of special tooling or special test equipment as defined in FAR 2.101 that have been designated for preservation and storage for a Major Defense Acquisition Program as specified in Attachment Number N/A.

(v) Any item not included in paragraphs (c)(1)(i), (ii), (iii), or (iv) of this clause for which the contractor creates and marks a unique item identifier for traceability.

(2) The unique item identifier assignment and its component data element combination shall not be duplicated on any other item marked or registered in the DoD Item Unique Identification Registry by the contractor.

(3) The unique item identifier component data elements shall be marked on an item using two dimensional data matrix symbology that complies with ISO/IEC International Standard 16022, Information technology--International symbology specification--Data matrix; ECC200 data matrix specification.

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

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

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

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

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

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

(5) Unique item identifier.

(i) The Contractor shall--

(A) Determine whether to--

(1) Serialize within the enterprise identifier;

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

(3) Use a DoD recognized unique identification equivalent (e.g. Vehicle Identification Number); and

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

(C) Label shipments, storage containers and packages that contain uniquely identified items in accordance with the requirements of MIL-STD-129, Military Marking for Shipment and Storage, latest version; and

(D) Verify that the marks on items and labels on shipments, storage containers, and packages are machine readable and conform to the applicable standards. The contractor shall use an automatic identification technology device for this verification that has been programmed to the requirements of Appendix A, MIL-STD-130, latest version.

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(ii) The issuing agency code--

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

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

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

- (1) Unique item identifier.
- (2) Unique item identifier type.
- (3) Issuing agency code (if concatenated unique item identifier is used).
- (4) Enterprise identifier (if concatenated unique item identifier is used).
- (5) Original part number (if there is serialization within the original part number).
- (6) Lot or batch number (if there is serialization within the lot or batch number).
- (7) Current part number (optional and only if not the same as the original part number).
- (8) Current part number effective date (optional and only if current part number is used).
- (9) Serial number (if concatenated unique item identifier is used).
- (10) Governments unit acquisition cost.
- (11) Unit of measure.
- (12) Type designation of the item as specified in the contract schedule, if any.
- (13) Whether the item is an item of Special Tooling or Special Test Equipment.
- (14) Whether the item is covered by a warranty.

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

- (1) Unique item identifier of the parent item under paragraph (c)(1) of this clause that contains the embedded subassembly, component, or part.
- (2) Unique item identifier of the embedded subassembly, component, or part.
- (3) Unique item identifier type.**
- (4) Issuing agency code (if concatenated unique item identifier is used).**
- (5) Enterprise identifier (if concatenated unique item identifier is used).**
- (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).**

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(1) CONTRACTOR PROPOSED ACCELERATED DELIVERY SCHEDULE:

- (i) If FAT is required, deliveries will start N/A days after the delivery order date; or
- (ii) If FAT is not required or FAT is waived, deliveries will start N/A days after delivery order date.

[End of clause]

12 52.247-60 GUARANTEED SHIPPING CHARACTERISTICS APR/2012
(WARREN)

(a) The offeror is requested to complete subparagraph (a)(1) of this clause, for each part or component which is packed or packaged separately. This information will be used to determine transportation costs for evaluation purposes. If the offeror does not furnish sufficient data in subparagraph (a)(1) of this clause, to permit determination by the Government of the item shipping costs, evaluation will be based on the shipping characteristics submitted by the offeror whose offer produces the highest transportation costs or in the absence thereof, by the Contracting Officers best estimate of the actual transportation costs. If the item shipping costs, based on the actual shipping characteristics, exceed the item shipping costs used for evaluation purposes, the Contractor agrees that the contract price shall be reduced by an amount equal to the difference between the transportation costs actually incurred, and the costs which would have been incurred if the evaluated shipping characteristics had been accurate.

(1) To be completed by the offeror:

- (i) Type of container: Wood Box , Fiber Box , Barrel , Reel , Drum , Other (Specify) ISO Container;
- (ii) Shipping configuration: Knocked-down , Set-up X, Nested , Other (specify) ;
- (iii) Size of container: 10' (Length), x 8' (Width), x 8' (Height) = 530 Cubic Ft;
- (iv) Number of items per container 1 each;
- (v) Gross weight of container and contents 4810 Lbs;
- (vi) Palletized/skidded Yes No;
- (vii) Number of containers per pallet/skid ;
- (viii) Weight of empty pallet bottom/skid and sides Lbs;
- (ix) Size of pallet/skid and contents Lbs* Cube ;

(2) To be completed by the Government after evaluation but before contract award:

- (i) Rate used in evaluation ;
- (ii) Tender/Tariff ;
- (iii) Item .

(b) The guaranteed shipping characteristics requested in subparagraph (a)(1) of this clause do not establish actual transportation requirements, which are specified elsewhere in this solicitation. The guaranteed shipping characteristics will be used only for the purpose of evaluating offers and establishing any liability of the successful offeror for increased transportation costs resulting from actual shipping characteristics which differ from those used for evaluation in accordance with paragraph (a) of this clause.

(End of Clause)

***52.247-4060, TACOM Clarification for Guaranteed Shipping Characteristics**

While the Guaranteed Shipping Characteristics clause at 52.247-60 requires at item (ix) the size of pallet/skid and contents, TACOM requests that contractors use the following to calculate the data:

- a. To calculate Lbs in item (ix) above: [(v) x (vii)] + (viii)
- b. To calculate Cube in item (ix) above: provide length, width and height of loaded pallet in inches. This should be greater than item (iii).

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(End of TACOM clause clarifying language)

13 52.247-4005 SHIPMENT OF SUPPLIES AND DETENTION OF CARRIERS EQUIPMENT AUG/2003
(TACOM)

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

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

(b) The Contractor will request:

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

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

[End of Clause]

14 52.247-4010 TRANSPORTATION DATA FOR FOB ORIGIN OFFERS FEB/1994
(TACOM)

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

Offeror represents that:

(1) Facilities for shipping by rail

- [] are
[X] are not

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

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

(NAME)

(LOCATION) Chicago, IL

(3) Facilities for shipping by water

- [] are
[X] are not

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

(4) Facilities for shipping by motor

- [X] are
[] are not

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		25600 S Chrisman Rd Rec Whse 10 Tracy, Ca 95376-5000	25600 S Chrisman Rd Rec Whse 10 Tracy, Ca 95376-5000	Stockton, CA 95296-0130
471995/ 471996	W31G1Z	Transportation Officer Anniston Army Depot, Bynum, AL	Transportation Officer Anniston Army Depot, Bynum, AL	Transportation Officer Anniston Army Depot, Anniston, AL 36201-5021
209741/ 209770	W25G1R	Transportation Officer Letterkenny Army Depot, Culbertson, PA	Transportation Officer Letterkenny Army Depot, Chambersburg, PA	Transportation Officer Letterkenny Army Depot, Chambersburg, PA 17201-4150
661136/ 661157	W45G19	Transportation Officer Red River Army Depot, Defense, TX	Transportation Officer Red River Army Depot, Texarkana, TX	Transportation Officer Red River Army Depot, Texarkana, TX 75507-5000
764538/ 764535	W67G23	Transportation Officer Tooele Army Depot, Warner, UT	Transportation Officer Tooele Army Depot, Tooele, UT	Transportation Officer Tooele Army Depot, Tooele, UT 84074-5003

***SPLC indicates Standard Point Locator Code.**NOTE:** The following is applicable only when so specified in an individual order or delivery increment:

This requirement is a depot replenishment buy, a portion of which is or may be required to fill Direct Support System (DSS) requisitions. Shipment shall be made, as specified, to one or more of:

New Cumberland Army Depot
Red River Army Depot
Sharpe Army Depot

prior to shipments to any other depots as may be designated. When more than one depot is designated for DSS shipments, priority shipments will be made equally to each of the designated destinations.

[End of Clause]

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CONTRACT ADMINISTRATION DATA

Regulatory Cite	Title	Date
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1	252.232-7006 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS	MAY/2013
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(a) Definitions. As used in this clause--

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

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

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

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

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

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

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

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

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

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

(1) Document type. The Contractor shall use the following document type(s).

Combo or Invoice and Receiving Report.

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

N/A

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

Routing Data Table*

Field Name in WAWF	Data to be entered in WAWF
Pay Official DoDAAC	See schedule in subject delivery order
Issue By DoDAAC	See schedule in subject delivery order
Admin DoDAAC	See schedule in subject delivery order
Inspect By DoDAAC	See schedule in subject delivery order
Ship To Code	See schedule in subject delivery order
Ship From Code	See schedule in subject delivery order
Mark For Code	See schedule in subject delivery order
Service Approver (DoDAAC)	See schedule in subject delivery order
Service Acceptor (DoDAAC)	See schedule in subject delivery order
Accept at Other DoDAAC	See schedule in subject delivery order
LPO DoDAAC	See schedule in subject delivery order
DCAA Auditor DoDAAC	See schedule in subject delivery order
Other DoDAAC(s)	See schedule in subject delivery order

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

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

patricia.pierce3.civ@mail.mil

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

N/A

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

(End of clause)

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]

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SPECIAL CONTRACT REQUIREMENTS

<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
1 52.204-4005	REQUIRED USE OF ELECTRONIC CONTRACTING	AUG/2012

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

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

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

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

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

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

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

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

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

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CONTRACT CLAUSES

	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
1	52.204-4	PRINTED OR COPIED DOUBLE-SIDED ON POSTCONSUMER FIBER CONTENT PAPER	MAY/2011
2	52.209-6	PROTECTING THE GOVERNMENT'S INTEREST WHEN SUBCONTRACTING WITH CONTRACTORS DEBARRED, SUSPENDED, OR PROPOSED FOR DEBARMENT	AUG/2013
3	52.211-15	DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS	APR/2008
4	52.212-4	CONTRACT TERMS AND CONDITIONS--COMMERCIAL ITEMS	JUL/2013
5	52.222-1	NOTICE TO THE GOVERNMENT OF LABOR DISPUTES	FEB/1997
6	52.222-40	NOTIFICATION OF EMPLOYEE RIGHTS UNDER THE NATIONAL LABOR RELATIONS ACT	DEC/2010
7	52.223-6	DRUG-FREE WORKPLACE	MAY/2001
8	52.227-1	AUTHORIZATION AND CONSENT	DEC/2007
9	52.232-11	EXTRAS	APR/1984
10	52.232-17	INTEREST	OCT/2010
11	52.242-13	BANKRUPTCY	JUL/1995
12	52.244-5	COMPETITION IN SUBCONTRACTING	DEC/1996
13	52.245-1	GOVERNMENT PROPERTY	APR/2012
14	52.245-9	USE AND CHARGES	APR/2012
15	52.248-1	VALUE ENGINEERING	OCT/2010
16	52.253-1	COMPUTER GENERATED FORMS	JAN/1991
17	252.204-7000	DISCLOSURE OF INFORMATION	AUG/2013
18	252.204-7003	CONTROL OF GOVERNMENT PERSONNEL WORK PRODUCT	APR/1992
19	252.204-7006	BILLING INSTRUCTIONS	OCT/2005
20	252.209-7004	SUBCONTRACTING WITH FIRMS THAT ARE OWNED OR CONTROLLED BY THE GOVERNMENT OF A TERRORIST COUNTRY	DEC/2006
21	252.225-7002	QUALIFYING COUNTRY SOURCES AS SUBCONTRACTORS	DEC/2012
22	252.225-7013	DUTY-FREE ENTRY	OCT/2013
23	252.225-7033	WAIVER OF UNITED KINGDOM LEVIES	APR/2003
24	252.232-7003	ELECTRONIC SUBMISSION OF PAYMENT REQUESTS AND RECEIVING REPORTS	JUN/2012
25	252.232-7010	LEVIES ON CONTRACT PAYMENTS	DEC/2006
26	252.235-7003	FREQUENCY AUTHORIZATION (DEC 1991) -- ALTERNATE I (AUG 2008)	AUG/2008
27	252.243-7001	PRICING OF CONTRACT MODIFICATIONS	DEC/1991
28	252.245-7001	TAGGING, LABELING, AND MARKING OF GOVERNMENT-FURNISHED PROPERTY	APR/2012
29	252.245-7002	REPORTING LOSS OF GOVERNMENT PROPERTY	APR/2012
30	252.245-7003	CONTRACTOR PROPERTY MANAGEMENT SYSTEM ADMINISTRATION	APR/2012
31	252.245-7004	REPORTING, REUTILIZATION, AND DISPOSAL	MAY/2013
32	252.246-7000	MATERIAL INSPECTION AND RECEIVING REPORT	MAR/2008
33	252.247-7028	APPLICATION FOR U.S. GOVERNMENT SHIPPING DOCUMENTATION/INSTRUCTIONS	JUN/2012
34	52.212-5	CONTRACT TERMS AND CONDITIONS REQUIRED TO IMPLEMENT STATUTES OR EXECUTIVE ORDERS--COMMERCIAL ITEMS	NOV/2013

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) clauses, which are incorporated in this contract by reference, to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

(1) 52.222-50, Combating Trafficking in Persons (FEB 2009) (22 U.S.C. 7104(g)).

--Alternate I (Aug 2007) of 52.222-50 (22 U.S.C. 7104(g)).

(2) 52.233-3, Protest After Award (AUG 1996) (31 U.S.C. 3553).

(3) 52.233-4, Applicable Law for Breach of Contract Claim (OCT 2004) (Pub. L. 108-77, 108-78).

(b) The Contractor shall comply with the FAR clauses in this paragraph (b) that the contracting officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

 X (1) 52.203-6, Restrictions on Subcontractor Sales to the Government (Sep 2006), with Alternate I (Oct 1995)(41 U.S.C. 253g and 10 U.S.C. 2402).

 X (2) 52.203-13, Contractor Code of Business Ethics and Conduct (Apr 2010) (Pub. L. 110-252, Title VI, Chapter 1 (41 U.S.C. 251 note)).

 (3) 52.203-15, Whistleblower Protections under the American Recovery and Reinvestment Act of 2009 (Jun 2010) (Section 1553 of Pub. L. 111-5). (Applies to contracts funded by the American Recovery and Reinvestment Act of 2009.)

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- (4) 52.204-10, Reporting Executive Compensation and First-Tier Subcontract Awards (Jul 2013) (Pub. L. 109-282) (31 U.S.C. 6101 note).
- (5) 52.204-11, American Recovery and Reinvestment Act -- Reporting Requirements (JUL 2010) (Pub. L. 111-5).
- (6) 52.209-6, Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (Aug 2013) (31 U.S.C. 6101 note).
- (7) 52.209-9, Updates of Publicly Available Information Regarding Responsibility Matters (Jul 2013) (41 U.S.C. 2313).
- (8) 52.209-10, Prohibition on Contracting with Inverted Domestic Corporations (MAY 2012)(section 740 of Division C of Public Law 111-117, section 743 of Division D of Public Law 111-8, and section 745 of Division D of Public Law 110-161)
- (9) 52.219-3, Notice of Total HUBZone Set-Aside or Sole-Source Award (Nov 2011)(15 U.S.C. 657a).
- (10) 52.219-4, Notice of Price Evaluation Preference for HUBZone Small Business Concerns (Jan 2011) (if the offeror elects to waive the preference, it shall so indicate in its offer)(15 U.S.C. 657a).
- (11) [Reserved]
- (12)(i) 52.219-6, Notice of Total Small Business Set-Aside (Nov 2011) (15 U.S.C. 644).
- (ii) Alternate I (Nov 2011) of 52.219-6.
- (iii) Alternate II (Nov 2011) of 52.219-6.
- (13)(i) 52.219-7, Notice of Partial Small Business Set-Aside (June 2003)(15 U.S.C. 644).
- (ii) Alternate I (Oct 1995) of 52.219-7.
- (iii) Alternate II (Mar 2004) of 52.219-7.
- (14) 52.219-8, Utilization of Small Business Concerns (Jul 2013) (15 U.S.C. 637(d)(2) and (3)).
- (15)(i) 52.219-9, Small Business Subcontracting Plan (Jul 2013)(15 U.S.C. 637 (d)(4)).
- (ii) Alternate I (Oct 2001) of 52.219-9.
- (iii) Alternate II (Oct 2001) of 52.219-9.
- (iv) Alternate III (Jul 2010) of 52.219-9.
- (16) 52.219-13, Notice of Set-Aside of Orders (NOV 2011) (15 U.S.C. 644(r)).
- (17) 52.219-14, Limitations on Subcontracting (Nov 2011)(15 U.S.C. 637(a)(14)).
- (18) 52.219-16, Liquidated Damages--Subcontracting Plan (JAN 1999) (15 U.S.C. 637(d)(4)(F)(i)).
- (19)(i) 52.219-23, Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns (Oct 2008)(10 U.S.C. 2323) (if the offeror elects to waive the adjustment, it shall so indicate in its offer).
- (ii) Alternate I (June 2003) of 52.219-23.
- (20) 52.219-25, Small Disadvantaged Business Participation Program Disadvantaged Status and Reporting (Jul 2013)(Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).
- (21) 52.219-26, Small Disadvantaged Business Participation Program Incentive Subcontracting (Oct 2000)(Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).
- (22) 52.219-27, Notice of Total Service-Disabled Veteran-Owned Small Business Set-Aside (Nov 2011)(15 U.S.C. 657 f)
- (23) 52.219-28, Post Award Small Business Program Rerepresentation (Jul 2013)(15 U.S.C. 632(a)(2)).
- (24) 52.219-29 Notice of Total Set-Aside for Economically Disadvantaged Women-Owned Small Business (EDWOSB) Concerns (Jul 2013)

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(15 U.S.C. 637(m)).

___ (25) 52.219-30 Notice of Total Set-Aside for Women-Owned Small Business (WOSB) Concerns Eligible Under the WOSB Program (Jul 2013) (15 U.S.C. 637(m)).

X (26) 52.222-3, Convict Labor (June 2003)(E.O. 11755).

X (27) 52.222-19, Child Labor Cooperation with Authorities and Remedies (Nov 2013) (E.O. 13126).

X (28) 52.222-21, Prohibition of Segregated Facilities (Feb 1999).

X (29) 52.222-26, Equal Opportunity (Mar 2007)(E.O. 11246).

X (30) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Sep 2010)(38 U.S.C. 4212).

X (31) 52.222-36, Affirmative Action for Workers with Disabilities (Oct 2010)(29 U.S.C. 793).

X (32) 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Sep 2010)(38 U.S.C. 4212).

X (33) 52.222-40, Notification of Employee Rights Under the National Labor Relations Act (DEC 2010) (E.O. 13496).

X (34) 52.222-54, Employment Eligibility Verification (Aug 2013). (Executive Order 12989). (Not applicable to the acquisition of commercially available off-the-shelf items or certain other types of commercial items as prescribed in 22.1803.)

___ (35)(i) 52.223-9, Estimate of Percentage of Recovered Material Content for EPA-Designated Items (May 2008) (42 U.S.C. 6962(c)(3)(A)(ii)). (Not applicable to the acquisition of commercially available off-the-shelf items.)

___ (ii) Alternate I (May 2008) of 52.223-9 (42 U.S.C. 6962(i)(2)(C)). (Not applicable to the acquisition of commercially available off-the-shelf items.)

___ (36) 52.223-15, Energy Efficiency in Energy-Consuming Products (Dec 2007) (42 U.S.C. 8259b).

___ (37)(i) 52.223-16, IEEE 1680 Standard for the Environmental Assessment of Personal Computer Products (DEC 2007) (E.O. 13423).

___ (ii) Alternate I (DEC 2007) of 52.223-16.

X (38) 52.223-18, Encouraging Contractor Policies to Ban Text Messaging While Driving (AUG 2011) (E.O. 13513).

___ (39) 52.225-1, Buy American Act--Supplies (Feb 2009)(41 U.S.C. 10a-10d).

___ (40)(i) 52.225-3, Buy American Act Free Trade Agreements -- Israeli Trade Act (NOV 2012) (41 U.S.C. 10a-10d, 19 U.S.C. 3301 note, 19 U.S.C. 2112 note, 19 U.S.C. 3805 note, Pub. L. 108-77, 108-78, 108-286, 108-302, 109-53, 109-169, 109-283, and 110-138).

___ (ii) Alternate I (MAR 2012) of 52.225-3.

___ (iii) Alternate II (MAR 2012) of 52.225-3.

___ (iv) Alternate III (NOV 2012) of 52.225-3.

___ (41) 52.225-5, Trade Agreements (Nov 2013) (19 U.S.C. 2501, et seq., 19 U.S.C. 3301 note).

X (42) 52.225-13, Restrictions on Certain Foreign Purchases (Jun 2008) (E.o.s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).

___ (43) 52.225-26, Contractors Performing Private Security Functions Outside the United States (Jul 2013) (Section 862, as amended, of the National Defense Authorization Act for Fiscal Year 2008; 10 U.S.C. 2302 Note).

___ (44) 52.226-4, Notice of Disaster or Emergency Area Set-Aside (Nov 2007) (42 U.S.C. 5150).

___ (45) 52.226-5, Restrictions on Subcontracting Outside Disaster or Emergency Area (Nov 2007)(42 U.S.C. 5150).

___ (46) 52.232-29, Terms for Financing of Purchases of Commercial Items (Feb 2002)(41 U.S.C. 255(f), 10 U.S.C. 2307(f)).

___ (47) 52.232-30, Installment Payments for Commercial Items (Oct 1995)(41 U.S.C. 255(f), 10 U.S.C. 2307(f)).

X (48) 52.232-33, Payment by Electronic Funds Transfer -- Central Contractor Registration (Jul 2013)(31 U.S.C. 3332).

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___ (49) 52.232-34, Payment by Electronic Funds Transfer -- Other Than Central Contractor Registration (Jul 2013)(31 U.S.C. 3332).

___ (50) 52.232-36, Payment by Third Party (Jul 2013)(31 U.S.C. 3332).

___ (51) 52.239-1, Privacy or Security Safeguards (Aug 1996)(5 U.S.C. 552a).

___ (52)(i) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (Feb 2006)(46 U.S.C. Appx 1241(b) and 10 U.S.C. 2631).

___ (ii) Alternate I (Apr 2003) of 52.247-64.

(c) The Contractor shall comply with the FAR clauses in this paragraph (c), applicable to commercial services, that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or executive orders applicable to acquisitions of commercial items:

___ (1) 52.222-41, Service Contract Act of 1965, (Nov 2007)(41 U.S.C. 351, et seq.).

___ (2) 52.222-42, Statement of Equivalent Rates for Federal Hires (May 1989)(29 U.S.C. 206 and 41 U.S.C. 351, et seq.).

___ (3) 52.222-43, Fair Labor Standards Act and Service Contract Act -- Price Adjustment (Multiple Year and Option Contracts) (Sep 2009)(29 U.S.C.206 and 41 U.S.C. 351, et seq.).

___ (4) 52.222-44, Fair Labor Standards Act and Service Contract Act -- Price Adjustment (Sep 2009)(29 U.S.C. 206 and 41 U.S.C. 351, et seq.).

___ (5) 52.222-51, Exemption from Application of the Service Contract Act to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Requirements (Nov 2007) (41 U.S.C. 351, et seq.).

___ (6) 52.222-53, Exemption from Application of the Service Contract Act to Contracts for Certain Services--Requirements (Feb 2009) (41 U.S.C. 351, et seq.).

___ (7) 52.222-17, Nondisplacement of Qualified Workers (JAN 2013) (E.O.13495).

___ (8) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations. (Mar 2009) (Pub. L. 110-247).

___ (9) 52.237-11, Accepting and Dispensing of \$1 Coin (Sep 2008) (31 U.S.C. 5112(p)(1)).

(d) Comptroller General Examination of Record. The Contractor shall comply with the provisions of this paragraph (d) if this contract was awarded using other than sealed bid, is in excess of the simplified acquisition threshold, and does not contain the clause at 52.215-2, Audit and Records -- Negotiation.

(1) The Comptroller General of the United States, or an authorized representative of the Comptroller General, shall have access to and right to examine any of the Contractors directly pertinent records involving transactions related to this contract.

(2) The Contractor shall make available at its offices at all reasonable times the records, materials, and other evidence for examination, audit, or reproduction, until 3 years after final payment under this contract or for any shorter period specified in FAR Subpart 4.7, Contractor Records Retention, of the other clauses of this contract. If this contract is completely or partially terminated, the records relating to the work terminated shall be made available for 3 years after any resulting final termination settlement. Records relating to appeals under the disputes clause or to litigation or the settlement of claims arising under or relating to this contract shall be made available until such appeals, litigation, or claims are finally resolved.

(3) As used in this clause, records include books, documents, accounting procedures and practices, and other data, regardless of type and regardless of form. This does not require the Contractor to create or maintain any record that the Contractor does not maintain in the ordinary course of business or pursuant to a provision of law.

(e)(1) Notwithstanding the requirements of the clauses in paragraphs (a), (b), (c) and (d) of this clause, the Contractor is not required to flow down any FAR clause, other than those in this paragraph (e)(1) in a subcontract for commercial items. Unless otherwise indicated below, the extent of the flow down shall be as required by the clause--

(i) 52.203-13, Contractor Code of Business Ethics and Conduct (Apr 2010) (Pub. L. 110-252, Title VI, Chapter 1 (41 U.S.C. 251 note)).

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(ii) 52.219-8, Utilization of Small Business Concerns (Jul 2013)(15 U.S.C. 637(d)(2) and (3)), in all subcontracts that offer further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds \$650,000 (\$1.5 million for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.

(iii) 52.222-17, Nondisplacement of Qualified Workers (JAN 2013) (E.O. 13495). Flow down required in accordance with paragraph (1) of FAR clause 52.222-17.

(iv) 52.222-26, Equal Opportunity (Oct 2010)(E.O. 11246).

(v) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Sep 2010)(38 U.S.C. 4212).

(vi) 52.222-36, Affirmative Action for Workers with Disabilities (June 1998)(29 U.S.C. 793).

(vii) 52.222-40, Notification of Employee Rights Under the National Labor Relations Act (DEC 2010) (E.O. 13496).

(viii) 52.222-41, Service Contract Act of 1965, (Nov 2007), flow down required for all subcontracts subject to the Service Contract Act of 1965 (41 U.S.C. 351, et seq.)

(ix) 52.222-50, Combating Trafficking in Persons (FEB 2009) (22 U.S.C. 7104(g)).

___ Alternate I (Aug 2007) of 52.222-50 (22 U.S.C. 7104(g)).

(x) 52.222-51, Exemption from Application of the Service Contract Act to Contracts for Maintenance, Calibration, or Repair of Certain Equipment--Requirements (Nov 2007) (41 U.S.C. 351, et seq.)

(xi) 52.222-53, Exemption from Application of the Service Contract Act to Contracts for Certain Services--Requirements (Feb 2009) (41 U.S.C. 351, et seq.)

(xii) 52.222-54, Employment Eligibility Verification (Aug 2013).

(xiii) 52.225-26, Contractors Performing Private Security Functions Outside the United States (Jul 2013) (Section 862, as amended, of the National Defense Authorization Act for Fiscal Year 2008; 10 U.S.C. 2302 Note).

(xiv) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations. (Mar 2009) (Pub. L. 110-247). Flow down required in accordance with paragraph (e) of FAR clause 52.226-6.

(xv) 52.247-64, Preference for Privately-Owned U.S. Flag Commercial Vessels (Feb 2006)(46 U.S.C. Appx 1241(b) and 10 U.S.C. 2631). Flow down required in accordance with paragraph (d) of FAR clause 52.247-64.

(2) While not required, the contractor may include in its subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.

(End of Clause)

35

52.216-19

ORDER LIMITATIONS

OCT/1995

(a) Minimum order. When the Government requires supplies or services covered by this contract in an amount of less than one each, the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.

(b) Maximum order. The Contractor is not obligated to honor --

(1) Any order for a single item in excess of 200;

(2) Any order for a combination of items in excess of 200; or

(3) A series of orders from the same ordering office within 30 days that together call for quantities exceeding the limitation in subparagraph (b)(1) or (2) of this section.

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(c) If this is a requirements contract (i.e., includes the Requirements clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to order a part of any one requirement from the Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) of this section.

(d) Notwithstanding paragraphs (b) and (c) of this section, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within -5- days after issuance, with written notice stating the Contractors intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

(End of Clause)

36

52.216-21

REQUIREMENTS

OCT/1995

(a) This is a requirements contract for the supplies or services specified, and effective for the period stated, in the Schedule. The quantities of supplies or services specified in the Schedule are estimates only and are not purchased by this contract. Except as this contract may otherwise provide, if the Governments requirements do not result in orders in the quantities described as estimated or maximum in the Schedule, that fact shall not constitute the basis for an equitable price adjustment.

(b) Delivery or performance shall be made only as authorized by orders issued in accordance with the Ordering clause. Subject to any limitations in the Order Limitations clause or elsewhere in this contract, the Contractor shall furnish to the Government all supplies or services specified in the Schedule and called for by orders issued in accordance with the Ordering clause. The Government may issue orders requiring delivery to multiple destinations or performance at multiple locations.

(c) Except as this contract otherwise provides, the Government shall order from the Contractor all the supplies or services specified in the Schedule that are required to be purchased by the Government activity or activities specified in the Schedule.

(d) The Government is not required to purchase from the Contractor requirements in excess of any limit on total orders under this contract.

(e) If the Government urgently requires delivery of any quantity of an item before the earliest date that delivery may be specified under this contract, and if the Contractor will not accept an order providing for the accelerated delivery, the Government may acquire the urgently required goods or services from another source.

(f) Any order issued during the effective period of this contract and not completed within that period shall be completed by the Contractor within the time specified in the order. The contract shall govern the Contractors and Governments rights and obligations with respect to that order to the same extent as if the order were completed during the contracts effective period; provided, that the Contractor shall not be required to make any deliveries under this contract after 4 1/2 years after award.

(End of Clause)

37

52.247-1

COMMERCIAL BILL OF LADING NOTATIONS

FEB/2006

When the Contracting Officer authorizes supplies to be shipped on a commercial bill of lading and the Contractor will be reimbursed these transportation costs as direct allowable costs, the Contractor shall ensure before shipment is made that the commercial shipping documents are annotated with either of the following notations, as appropriate:

(a) If the Government is shown as the consignor or the consignee, the annotation shall be:

Transportation is for the Department of Defense and the actual total transportation charges paid to the carrier(s) by the consignor or consignee are assignable to, and shall be reimbursed by, the Government.

(b) If the Government is not shown as the consignor or the consignee, the annotation shall be:

Transportation is for the Department of Defense and the actual total transportation charges paid to the carrier(s) by the consignor or consignee shall be reimbursed by the Government, pursuant to cost-reimbursement contract No. N/A. This may be confirmed by contacting The DCMA Office identified on page one of this document.

(End of Clause)

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(ii) Obtain medical treatment for those affected by the material; and

(iii) Have others use, duplicate, and disclose the data for the Government for these purposes.

(2) To use, duplicate, and disclose data furnished under this clause, in accordance with subparagraph (h)(1) of this clause, in precedence over any other clause of this contract providing for rights in data.

(3) The Government is not precluded from using similar or identical data acquired from other sources.

(End of Clause)

40 52.223-11 OZONE-DEPLETING SUBSTANCES MAY/2001

(a) Definition. Ozone-depleting substance, as used in this clause, means any substance the Environmental Protection Agency designates in 40 CFR Part 82 as--

(1) Class I, including, but not limited to, chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or

(2) Class II, including, but not limited to hydrochlorofluorocarbons.

(b) The Contractor shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), and (d) and 40 CFR Part 82, Subpart E, as follows:

Warning

Contains (or manufactured with, if applicable) *_____N/A_____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere.

* The Contractor shall insert the name of the substance(s).

(End of Clause)

41 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)

42 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)

43 252.223-7001 HAZARD WARNING LABELS DEC/1991

(a) Hazardous material, as used in this clause, is defined in the Hazardous Material Identification and Material Safety Data clause of

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"Supplies" as used in FAR 52.216-21, entitled Requirements, is hereby defined as new supplies. It does not include rebuilt or remanufactured items.

[End of Clause]

46 52.219-4070 PILOT MENTOR-PROTEGE PROGRAM

APR/2006

(a) The Pilot Mentor-Protege Program does not apply to small business concerns.

(b) Utilization of the Pilot Mentor-Protege Program (hereafter referred to as the Program) is encouraged. Under the Program, eligible companies approved as mentor firms enter into a mentor-protege agreement with eligible protege firms. The goal of the program is to provide appropriate developmental assistance to enhance the capabilities of the protege firm. The Mentor firm may be eligible for cost reimbursement or credit against their applicable subcontracting goals.

(c) Mentor firms are encouraged to identify and select concerns that are defined as emerging small business concerns, small disadvantaged business, women-owned small business, HUBZone small business, service-disabled veteran-owned small business, veteran-owned small business or an eligible entity employing the severely disabled.

(d) Full details of the program are located at http://www.acq.osd.mil/sadbu/mentor_protege/

or

<http://sellingtoarmy.info/User/ShowPage.aspx?SectionID=12>

(e) For additional questions after reviewing the information provided, contact the Office of Small Business Programs serving your area.

[End of Clause]

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LIST OF ATTACHMENTS

<u>List of Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number of Pages</u>	<u>Transmitted By</u>
Attachment 0001	HMEE-I FIELD LEVEL TOOLS SET LIST	22-OCT-2013	003	DATA
Attachment 0002	DESCRIPTION FOR PURCHASE	22-OCT-2013	030	DATA
Attachment 0003	HMEE I FIELD LEVEL TOOLS PACKAGING (REVISED)	03-SEP-2013	007	EMAIL
Attachment 0004	GOVERNMENT FURNISHED MATERIAL (REVISED)	03-SEP-2013	001	DATA
Attachment 0005	IDSC HOLDINGS LLC (SNAP-ON) ACO APPROVED SUBCONTRACTING PLAN GS-06F-0006L	04-NOV-2013	014	EMAIL

The following is a complete list of all 76 tools included in one complete field level tool set.

SUPPLIER P/N	NSN	QTY	SUPPLIER CAGE	ITEM NAME	DESCRIPTION
CAS 10750	3040016121910	1	45225	ADAPTER,HOUSING	ENGINE PLATE ADAPTER
GLA72A	5120013551895	1	55719	ADAPTER,SOCKET WREN	3/4" FEMALE TO 1" MALE
GLA12B	5120013785897	1	55719	ADAPTER,SOCKET WREN	3/4" MALE TO 1/2" FEMALE
GLAS1E	5120013551894	1	55719	ADAPTER,SOCKET WREN	3/4" FEMALE TO 1/2" MALE
A2A	5120013350696	1	55719	ADAPTER,SOCKET WREN	3/8" FEMALE TO 1/2" MALE
GFAT1E	5120013350700	1	55719	ADAPTER,SOCKET WREN	3/8" TO 1/4"
4 F6X-S	4730006233887	1	30780	ADAPTER,STRAIGHT,PI	
3824591	5120012855193	1	0B8S3	BARRING TOOL,GEAR	
0154003	5306015570908	6	0Y3H3	BOLT,MACHINE	M12 X 1.75 X 40 MM, DIN 933, CLASS 10.9, ZINC. USE
WITH ENGINE LIFTING BEAM (P.N 347/21067)					
D9DT-2	5330016186789	1	30780	BONDED SEAL	
803-12	7920005142417	1	7S147	BRUSH,ACID SWABBING	
3M 250	4520016186661	1	76381	CARTRIDGE PREHEATER	POLYURETHANE REACTIVE (PUR) EASY 250 CARTRIDGE
PREHEATER, 120V, DUAL TEMP					
12252157	4940010467109	1	19200	CHARGING KIT,PRESSU	
4 G6X	4730016186446	1	30780	CONNECTOR	FEMALE/FEMALE, 37 DEGREE SWIVEL/NPTF
FRH240S	5120013351162	1	55719	CROWFOOT ATTACHMENT	SOCKET WRENCH, 3/4"
FRHM10	5120013551682	1	55719	CROWFOOT ATTACHMENT	SOCKET WRENCH, 10 MM
FCOM24A	5120011086646	1	55719	CROWFOOT ATTACHMENT	SOCKET WRENCH, 24 MM
FC48A	5120001848412	1	55719	CROWFOOT ATTACHMENT	3/8" DRIVE, 1-1/2"
FC44A	5120013351137	1	55719	CROWFOOT ATTACHMENT	3/8" DRIVE, 1-3/8"
FCO32A	5120013351091	1	55719	CROWFOOT ATTACHMENT	3/8" DRIVE, 1"
FCO22A	5120014513185	1	55719	CROWFOOT ATTACHMENT	3/8" DRIVE, 11/16"
FCO30A	5120013351090	1	55719	CROWFOOT ATTACHMENT	3/8" DRIVE, 15/16"
FCO28A	5120013351089	1	55719	CROWFOOT ATTACHMENT	3/8" DRIVE, 7/8"
FCO18A	5120013351152	1	55719	CROWFOOT ATTACHMENT	3/8" DRIVE, 9/16"
BF802	5340010870092	1	55719	CUP,SUCTION	
5120-00-679-5655	5120006795655	1	80244	DISPENSER,SEALANT	
3164707	4910016042709	1	15434	DRIVE GEAR,HOLDER	FUEL PUMP RETENSION TOOL
SAE J514 4-4 140239C	4730000358036	1	81343	ELBOW,PIPE	90 DEGREE
347/21067	2510991549956	1	0JKF0/K7599	ENGINE LIFTING BEAM	
TA360	5210013882682	1	55719	GAGE,TORQUE ANGLE	
3823138	5220993379069	1	15434	GAUGE,BELT TENSION	
892/01244	5120996027612	1	0JKF0	INSERTER,BEARING AN	BUSHING TOOL
3824078	4920014760297	1	15434	INSTALLATION AND RE	BUSHING INSTALL AND REMOVAL TOOL
AWM5D	5120014288036	1	55719	KEY,SOCKET HEAD SCR	5 MM
AWM8D	5120014287967	1	55719	KEY,SOCKET HEAD SCR	8 MM
AWM19D	5120014288027	1	55719	KEY,SOCKET HEAD SCR	L-SHAPED, 19 MM HEX
WK100	5110016187973	1	55719	KNIFE,PIPE	WINDSHIELD, CUSHION GRIP, URETHANE CUT OUT, 18"
21300	6625012602387	1	9A194	LIGHT,TEST	
23417	4030016186735	4	94882	LINK BRACKET	
892/01027	5120994232460	1	0JKF0/K7599	MANDREL/INSERTER, SEAL	BLUNT, METAL
892/01021	4910991826225	1	0JKF0/K7599	MANDREL/SLEEVE	LARGE, PLASTIC
892/01019	4910991823103	1	0JKF0/K7599	MANDREL/SLEEVE	MEDIUM, PLASTIC
892/01018	4910997318648	1	0JKF0/K7599	MANDREL/SLEEVE	SMALL, PLASTIC
4F42EDMX	4730016186432	1	30780	NIPPLE	MALE/MALE, 37 DEGREE FLARE/BSPP
892/01242	5120998130570	1	0JKF0	PARK BRAKE ADJ TOOL	
SG3ASH45BR	5120014287876	1	55719	PICK,MINIATURE	
892/01245	4910016186679	1	0JKF0	POWERTRAIN CART	
347/21071	4910016186416	1	0JKF0	POWERTRAIN STAND	
L873	5120014371706	1	55719	RATCHET HEAD,SOCKET	REVERSIBLE, 1" DRIVE
M10-1/8F80HG	4730015218068	1	93061	REDUCER,PIPE	
J-36400-5	5120013748969	1	33287	REMOVER,ELECTRICAL	
90065A263	5305016186580	2	39428	SCREW,MACHINE	NO. 10 X 4 IN. LONG, 18-8 STAINLESS STEEL, FLAT
HEAD. USED IN REMOVAL OF FRONT MAIN SEAL.					
SAM14E	5120014373682	1	55719	SCREWDRIVER ATTACHM	SOCKET WRENCH (14 MM)
SAM17E	5120014373685	1	55719	SCREWDRIVER ATTACHM	SOCKET WRENCH (17 MM)
SA24E	5120013673468	1	55719	SCREWDRIVER ATTACHM	3/4" HEX
FTX27E	5120013673534	1	55719	SCREWDRIVER ATTACHM	3/8" DRIVE, T-27

BLPTS1427	5120016187983	1	55719	SCREWDRIVER ATTACHM	1/4" DRIVE, STUBBY, BLUE-POINT, T-27
892/00334	5120997609968	1	0JKF0/K7599	SEAL FITTING TOOL/RAM SEAL	GLAND SEAL
213-3220	5120015783506	1	55899	SETTING TOOL,WINDSH	
EE2802DTX8	2835010782081	1	23755	SLING,NYLON	
IM943	5130002362240	1	55719	SOCKET,SOCKET WRENCH	1" DRIVE, 2-15/16"
IM883	5130002931372	1	55719	SOCKET,SOCKET WRENCH	1" DRIVE, 2-3/4"
IM843	5330007824395	1	55719	SOCKET,SOCKET WRENCH	1" DRIVE, 2-5/8"
LDH702	5120013786588	1	55719	SOCKET,SOCKET WRENCH	3/4" DRIVE, 2-3/16"
FS321	5120013551624	1	55719	SOCKET,SOCKET WRENCH	3/8" DRIVE, 6 PT., 1"
IM803	5130011896358	1	55719	SOCKET,SOCKET WRENCH	1" DRIVE, 2-1/2"
IM683	5130218196910	1	55719/09698	SOCKET,SOCKET WRENCH	1" DRIVE, 2-1/8"
02054728	4920015943018	1	1FLG9	TEST SET,PNEUMATIC	ACCUMULATOR CHARGE
892/01092	5180991316041	1	0JKF0	TOOL KIT,VEHICULAR	WHEEL HUB KIT
12258956	6685011931733	1	34345	TRANSMITTER,PRESSUR	10,000 PSI TRANSDUCER
3680G	2640007624640	1	27783	VALVE EXTENSION,TIRE	
8090411075	4820014918505	1	27783	VALVE,PNEUMATIC TANK	INCLUDES CAP
94768A107	5310016186426	6	39428	WASHER,FLAT	M12, 13 X 26 X 5 MM THK, 18-8 STAINLESS STEEL. USE
WITH ENGINE LIFTING BEAM (P/N 347/21067)					
J 35751	6150013542604	1	33287	WIRING HARNESS	JUMPER WIRE SET
JC497	5120001572133	1	52572	WRENCH, SPANNER	
J-50000	5120016187978	1	45225	WRENCH,ADJUSTABLE	CYLINDER REPAIR

Description For Purchase (DFP)
For HMEE-I Field Level Tools Set

1. SCOPE

1.1 Scope. This Description For Purchase (DFP) covers the items to be included in the HMEE I Field Level Tools Set.

2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3, 4, or 5 of this DFP. This section does not include documents cited in other sections of this DFP or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements of documents cited in sections 3, 4 and 5 of this DFP, whether or not they are listed.

2.2 Government documents.

2.2.1 Specifications, standards and handbooks. Unless otherwise specified the following specifications, standards and handbooks of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation form a part of this Purchase Description to the extent specified herein.

Military Standards

MIL-STD-129 Military Marking for Shipment and Storage
MIL-STD-1472 Design Criteria Standard Human Engineering
MIL-STD-1916 DoD Preferred Methods for Acceptance of Product

2.2.2 Other Government documents, drawings and publications. The following other government documents, drawings, and publications form a part of this DFP to the extent specified herein. Unless otherwise specified, the issues of these documents are the most current revisions as of this date of issue for this DFP as listed in the ASSIST military database and supplement thereto, cited in this solicitation.

Commercial Item Descriptions

A-A-50271 Plate, Identification
A-A-59486 Padlock (Key Operated)

(Copies of these documents are available online from the ASSIST military database at <http://assist.daps.dla.mil/quicksearch/> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

2.3 Non-Government publications. The following document(s) form a part of this Purchase Description to the extent specified herein. The issues of the documents which are indicated as DOD adopted shall be the issue listed in the current DODISS and the supplement thereto if applicable.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS

ASME B107.1 Socket Wrenches (inch)
ASME B107.10 Handles and attachments for Hand Socket Wrenches
ASME B107.100 Flat Wrenches
ASME B107.400 Strike Tools
ASME B107.410 Struck Tools
ASME B107.500 Pliers
ASME B107.600 Screwdrivers

(Copies of the above publications are available from The American Society of Mechanical Engineers, Three Park Avenue, New York, NY 10016-5990)

AMERICAN SOCIETY FOR TESTING AND MATERIALS

ASTM D3575 Standard Test Methods for Flexible Cellular Materials Made From Olefin Polymers

(Copies of the above publications are available from ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428-2959)

AMERICAN NATIONAL STANDARDS INSTITUTE

ANSI Z535.4 Product Safety Signs and Labels

2.4 Order of precedence. In the event of a conflict between the text of this Purchase Description and the references cited herein, the text of this Purchase Description shall take precedence.

3. REQUIREMENTS

3.1 Preproduction Verification. When specified, the contractor shall furnish one or more sets for preproduction verification inspection. The sets submitted shall be in accordance with the requirements of this Specification. The approved preproduction sample and the production items shall be in accordance with the terms of the contract. Approval of the preproduction verification shall not relieve the contractor of the responsibility to furnish equipment in accordance with the requirements of this Purchase Description. All items supplied under this contract shall be identical to the approved preproduction verification sample.

3.2 Industrial quality tools. Unless otherwise specified, all components supplied with this set shall be industrial quality.

3.2.1 Industrial quality tools definition. For the purposes of this procurement, the term industrial quality tools versus household-use tools or general purpose tools are defined as tools commercially marketed and manufactured for constant, rigorous, industrial or professional environment use, and that have demonstrated market acceptance as described in paragraph 3.2.3.

3.2.2 Use. Industrial quality tools are used primarily by skilled professionals and technicians in such areas as machine shops, automotive maintenance and repair facilities, aircraft maintenance and repair facilities, industrial automotive assembly plants, fleet maintenance facilities, and airline service facilities. The tools will be used for specialized applications in an environment of virtual constant use, (i.e. around-the-clock 8 hour shifts), with applications requiring high torque, low slip-page, and strict tolerances.

3.2.3 Market acceptance. Market acceptance is demonstrated by the component having a higher percentage of sales to industrial/professional customers than to retail or government customers. Advertising or marketing literature that indicates professional grade or industrial quality, or merely stating that an item is professional grade or industrial quality is insufficient to establish industrial/professional quality since these are terms for which there is no generally accepted definition. A claim that an item is manufactured to an industry consensus standard is also insufficient to establish industrial or professional quality. If the offered components have not achieved industrial/professional market acceptance; or have not been satisfactorily supplied to the Government under current or recent contracts for the same or similar requirements, then the contracting officer may require offerors to provide evidence of market acceptance in the professional or industrial market. Evidence of acceptance by industrial/professional customers includes sales to fleet operators, distributors, contractors, industrial and professional users, and sales to distributors who retail exclusively to the professional or industrial market.

3.2.4 Warranty. The offeror shall state the length and terms of any manufacturers express warranties in response to the solicitation. These commercial warranties shall become part of the contract or delivery order.

3.3 Quantities. The HMEE I Field Level Tool sets shall be furnished with quantity (Qty) and Unit of Issue (U/I) as specified in Table 1. Note FSG= Federal Supply Group

3.4 Components.

TABLE 1: Components

Para	Nomenclature	Unit of Issue	Qty
3.4.1	Engine Plate Adapter	EA	1
3.4.2	Adapter, Socket Wrench 3/4" to 1"	EA	1
3.4.3	Adapter, Socket Wrench 1/2" to 3/4"	EA	1
3.4.4	Adapter, Socket Wrench 3/4" to 1/2"	EA	1
3.4.5	Adapter, Socket Wrench 3/8" to 1/2"	EA	1
3.4.6	Adapter, Socket Wrench 3/8" to 1/4"	EA	1
3.4.7	Adapter, Straight, Pipe	EA	1
3.4.8	Baring Tool for Gear	EA	1
3.4.9	Machine Bolt	EA	6
3.4.10	Bonded Seal	EA	1
3.4.11	Acid Swabbing Brush	EA	1
3.4.12	Cartridge Pre-Heater	EA	1
3.4.13	Pressure Charging Kit	EA	1
3.4.14	Connector	EA	1
3.4.15	Crowfoot 3/4" Attachment	EA	1
3.4.16	Crowfoot 10.0 mm Attachment	EA	1
3.4.17	Crowfoot 24 mm Attachment	EA	1
3.4.18	Crowfoot 1-1/2" Attachment	EA	1
3.4.19	Crowfoot 1-3/8" Attachment	EA	1
3.4.20	Crowfoot 1" Attachment	EA	1

3.4.21	Crowfoot 11/16" Attachment	EA	1
3.4.22	Crowfoot 15/16" Attachment	EA	1
3.4.23	Crowfoot 7/8" Attachment	EA	1
3.4.24	Crowfoot 9/16" Attachment	EA	1
3.4.25	Suction Cup	EA	1
3.4.26	Sealant Dispenser	EA	1
3.4.27	Gear Drive Holder	EA	1
3.4.28	Elbow Pipe	EA	1
3.4.29	Gage, Torque Angle	EA	1
3.4.30	Tension Belt Gauge	EA	1
3.4.31	Installation and Removal Tool	EA	1
3.4.32	Allen Wrench, 5mm	EA	1
3.4.33	Allen Wrench, 8mm	EA	1
3.4.34	Allen Wrench, 19mm	EA	1
3.4.35	Pipe, Knife	EA	1
3.4.36	Light Test	EA	1
3.4.37	Link Bracket	EA	4
3.4.38	Nipple	EA	1
3.4.39	Miniature Pick	EA	1
3.4.40	Ratchet Head, Socket	EA	1
3.4.41	Reducer, Pipe	EA	1
3.4.42	Screw, Machine	EA	2
3.4.43	Screwdriver Attachment, 14mm	EA	1
3.4.44	Screwdriver Attachment, 17mm	EA	1
3.4.45	Screwdriver Attachment, 3/4"	EA	1
3.4.46	Screwdriver Attachment, 0.195", T-27	EA	1
3.4.47	Screwdriver Attachment, 0.75", T-27	EA	1
3.4.48	Setting Tool, Windshield	EA	1
3.4.49	Nylon Sling	EA	1
3.4.50	Socket Wrench, 2-15/16"	EA	1
3.4.51	Socket Wrench, 2-3/4"	EA	1
3.4.52	Socket Wrench, 2-5/8"	EA	1
3.4.53	Socket Wrench, 2-3/16", 3/4" drive	EA	1
3.4.54	Socket Wrench, 1", 3/8" drive	EA	1
3.4.55	Socket Wrench, 2-1/2"	EA	1
3.4.56	Socket Wrench, 2-1/8"	EA	1
3.4.57	Test Set, Pneumatic	EA	1
3.4.58	Pressure Transmitter	EA	1
3.4.59	Tire Extension Valve	EA	1
3.4.60	Pneumatic Tank Valve	EA	1
3.4.61	Flat Washer	EA	6
3.4.62	Wiring Harness	EA	1
3.4.63	Wrench, Spanner	EA	1
3.4.64	Adjustable Wrench	EA	1
3.4.65	Remover, Electrical	EA	1

3.4.1 Engine Plate Adapter. This shall be equal to or better than an SPX 1750A 6000 lbs engine stand.

3.4.2 Adapter, Socket Wrench 3/4" to 1". This is a Standard 3/4" female to 1" male socket wrench adapter. The total length is 2.625". The material is steel with an oxide chrome finish.

3.4.3 Adapter, Socket Wrench 1/2" to 3/4". This is a Standard 1/2" female to 3/4" male socket wrench adapter. The total length is 1.938". The material is steel with an oxide chrome finish.

3.4.4 Adapter, Socket Wrench 3/4" to 1/2". This shall be a Standard 3/4" female to 1/2" male socket wrench adapter. The approximate total length shall be 2.125". The material shall be steel with an oxide chrome finish.

3.4.5 Adapter, Socket Wrench 3/8" to 1/2". This shall be a Standard 3/8" female to 1/2" male socket wrench adapter. The approximate total length shall be 1.312". The material shall be steel with an oxide chrome finish.

3.4.6 Adapter, Socket Wrench 3/8" to 1/4". This shall be a Standard 3/8" female to 1/4" male socket wrench adapter. The total approximate length shall be 1.125". The material shall be steel with an oxide chrome finish.

3.4.7 Adapter, Straight, Pipe. This shall be an adapter hydraulic fitting. The dimensions shall be approximately 0.250 nominal diameter and 1.3 overall length. The first end shall be a female 37 degree flare swivel nut, style 3 with optional end connection and .438" nominal thread length, 0.250" outside diameter and a UNF thread series designator. The second end shall be male of plain connection style. It shall have an approximate thread length of 0.125 and thread series designator NPT.

3.4.8 Barring Tool for Gear. This shall be equal to or better than a Cummins Inc barring tool for a gear with a 1/2" drive. The second end shall fit a series B and C Cummins engine. The approximate dimensions shall be 2.68" Length, 1.5" drive head diameter and 1.105" adapter side diameter.

3.4.9 Machine Bolt. This shall be a metal screw M12 x 1.75 x 40mm, DIN 933 with a zinc finish.

3.4.10 Bonded Seal. This shall be a metal ring with an attached rubber inner seal. The metal outer ring shall have an approximate Outer Diameter (OD) of 15.9mm. The rubber inner ring shall have an approximate Inner Diameter (ID) of 10.4mm. This is for use on ISO 1179/DIN 3852-2 port. Rubber shall be 90-Durometer Nitrile.

3.4.11 Acid Swabbing Brush. This shall be a bristle and horse hair brush with a 1/4" round, 5" long tubular handle. The overall brush width shall be approximately .375" and the nominal length shall be approximately 5.750".

3.4.12 Cartridge Pre-heater. This shall be a polyurethane reactive (PUR) easy 250 cartridge pre-heater. It shall be 120V and dual temperature.

3.4.13 Pressure Charging Kit. This shall be the standard kit consisting of a C/O Plug (PN 8762813), a valve assembly (PN 8762772), a valve (PN 8687044), two adapters (PN 10870258 and PN 11668842), two hose assembly's (PN 9338049 and PN 9338048), a socket (PN 8762812), a guage (PN 8743890), a manifold (PN 8762771), a nipple (PN 190413) and a regulator (PN 11668061).

3.4.14 Connector. This shall be a steel Female/Female, 37 degree swivel/NPTF hydraulic fitting. Connection end 1 shall be a straight 1/8" inch 28 pitch thread size. Connection end 2 shall be a 37 degree 1/4", 20 pitch thread size.

3.4.15 Crowfoot 3/4" Attachment. This shall be a 56 Flare Nut, 3/8" drive, 3/4" wrench with a nominal length of 1.781 and a steel oxide chrome finish.

3.4.16 Crowfoot 10.0mm Attachment. This shall be a 56 Flare Nut, 3/8" drive, 10.0mm wrench with a nominal length of 35.3 and a steel oxide chrome finish.

3.4.17 Crowfoot 24mm Attachment. This shall be an open end, 3/8" drive, 24 mm wrench with a nominal length of 58.4mm and a steel oxide chrome finish.

3.4.18 Crowfoot 1-1/2" Attachment. This shall be an open end, 3/8" drive, 1-1/2" wrench with a nominal length of 2.781" and a steel oxide chrome finish.

3.4.19 Crowfoot 1-3/8" Attachment. This shall be an open end, 3/8" drive, 1-3/8" wrench with a nominal length of 1.250" and a steel oxide chrome finish.

3.4.20 Crowfoot 1" Attachment. This shall be an open end, 3/8" drive, 1" wrench with a nominal length of 2.094" and a steel oxide chrome finish.

3.4.21 Crowfoot 11/16" Attachment. This shall be equivalent of the Snap-On skinny style, open end, 3/8" drive, 11/16" wrench.

3.4.22 Crowfoot 15/16" Attachment. This shall be an open end, 3/8" drive, 15/16" wrench with a nominal length of 2.125" and a steel oxide chrome finish.

3.4.23 Crowfoot 7/8" Attachment. This shall be an open end, 3/8" drive, 7/8" wrench with a nominal length of 1.969" and a steel oxide chrome finish.

3.4.24 Crowfoot 9/16" Attachment. This shall be an open end, 3/8" drive, 9/16" wrench with a nominal length of 1.625" and a steel oxide chrome finish.

3.4.25 Suction Cup. This shall be a heavy duty construction dual suction cup with a single pull release. It shall have two 4.000" rubber suction cups, and approximate frame dimensions of height 4" and length 10.25".

3.4.26 Sealant Dispenser. This shall be a standard ratchet type 16 oz sealant dispenser of steel construction for cartridges only.

3.4.27 Gear Drive Holder. This shall be a fuel pump retention tool with a 1/2" drive. The dimensions are approximately 3.998" OD

and 3.077" ID. There is a second ID is approximately 1.990" and is not a through hole.

3.4.28 Elbow, Pipe. This shall be a 90 degree male/female hydraulic fitting. Connection end 1 shall be male, tapered 1/4" with an 18 pitch thread and a .6" thread length. Connection end 2 shall be female and tapered 1/4" with an 18 pitch thread.

3.4.29 Gage, Torque Angle. This shall be a 1/2" Square male and female drives. It shall have dial in graduated degrees and an adjustable holding rod.

3.4.30 Tension Belt Gauge. This shall be equal to or better than a Kent-Moore for Cummins engines 5,000 lb Tension belt gauge. This is used for 10-15 Rib K section, V-ribbed belts. The dimensions are approximately 8" height, 5-1/4" width and 3-1/4" thickness.

3.4.31 Installation and removal tool. This shall be the bushing install and removal tool forward repair system model M7.

3.4.32 Allen Wrench, 5mm. This shall be a standard 5mm Allen Wrench. The long portion of the "L" shall be approximately 74mm in length. The short end is to be modified in the field by following the 'manufactured tools work package'.

3.4.33 Allen Wrench, 8mm. This shall be a standard 8mm Allen Wrench. The long portion of the "L" shall be approximately 88mm in length. The short end is to be modified in the field by following the 'manufactured tools work package'.

3.4.34 Allen Wrench, 19mm. This shall be a standard 19mm Allen Wrench. The long portion of the "L" shall be approximately 190mm in length. The short end of the "L" shall be approximately 86mm.

3.4.35 Pipe Knife. This shall be a cushion grip Windshield urethane cut out tool. It shall be approximately 18" in length.

3.4.36 Light Test. This shall be heavy duty electronic test equipment. It shall have a 48.0" individual wire, with a 36 AC or DC Maximum. There shall be a clip for mounting

3.4.37 Link Bracket. This shall be a center pull hoist ring with a hex socket head 3/4" bolt that has a thread pitch of 250. The capacity shall be 5,000 lbs and have a ring height of approximately of 4.6".

3.4.38 Nipple. This shall be a male/male hydraulic fitting. One connection end shall be a 37 degree flare, 1/4" with a 20 pitch thread. The second connection end shall be a 1/8" straight end with a 28 pitch thread. The overall length shall be approximately 1.414".

3.4.39 Miniature Pick. This shall be an instinct soft grip pick with a 45 degree angle on the blade. The sizing shall be of the approximate dimensions: total length 6,blade length 3.125".

3.4.40 Ratchet Head, Socket. This shall be the head of a socket wrench with a reversible 1" drive. The sizing shall have approximate dimensions: head depth 1.5", head width 3.125" and head length 7.875". It shall be an oxide chrome finish.

3.4.41 Reducer, Pipe. This shall be a hydraulic fitting and shall be a female 37 degree flare, 1/4" with 18 pitch threads to a male 1/8" with 28 pitch threads.

3.4.42 Screw, machine. This shall be a flat head stainless steel screw and shall have the approximate dimensions: NO. 10, 4" in length.

3.4.43 Screwdriver Attachment, 14mm. This shall be a hex head socket driver with a 1/2" drive and a 14mm bit. The overall length shall be approximately 81mm. It shall have an oxide chrome finish. The finish on the base shall be oxide chrome.

3.4.44 Screwdriver Attachment, 17mm. This shall be a hex head socket driver with a 1/2" drive and a 17mm bit. The overall length shall be approximately 93.7mm. It shall have an oxide chrome finish. The finish on the base shall be oxide chrome.

3.4.45 Screwdriver Attachment, 3/4". This shall be a hex head socket driver with a 1/2" drive and a 3/4" bit. The overall length shall be approximately 4.063". It shall have an oxide chrome finish. The finish on the base shall be oxide chrome.

3.4.46 Screwdriver Attachment, 0.195". This shall be a star head socket driver with a 3/8" drive, T-27. The Bit diameter shall be .195" and the overall length approximately 1.75". The finish on the base shall be oxide chrome.

3.4.47 Screwdriver Attachment, 0.75". This shall be a star head socket driver with a 1/4" drive, T-27. The overall length shall be approximately 0.75". The finish on the base shall be satin chrome.

3.4.48. Setting Tool, Windshield. This shall be a plastic tool used to push in the rubber seal of the windshield. The approximate length shall be 8".

3.4.49 Nylon Sling. This shall be a polyester web sling with dimensions 2" x 8". It shall be eye and eye style, with the following minimum capacities: 6400 lbs vertical, 5000 lbs choker, 12800 lbs basket.

3.4.50 Socket Wrench, 2-15/16". This shall be a 6 point impact socket wrench with a 1" drive and a 2-15/16" socket. The 'overall length' x 'head width' x 'base width' shall be approximately 4.250" x 4.125" x 2.375". The finish shall be oxide black industrial.

3.4.51 Socket Wrench, 2-3/4". This shall be a 6 point impact socket wrench with a 1" drive and a 2-3/4" socket. The 'overall length' x 'head width' x 'base width' shall be approximately 4.000" x 3.750" x 2.375". The finish shall be oxide black industrial.

3.4.52 Socket Wrench, 2-5/8". This shall be a 6 point impact socket wrench with a 1" drive and a 2-5/8" socket. The 'overall length' x 'head width' x 'base width' shall be approximately 3.750" x 3.750" x 2.375". The finish shall be oxide black industrial.

3.4.53 Socket Wrench, 2-3/16". This shall be a 12 point shallow socket wrench with a 3/4" drive and a 2-3/16" socket. The 'overall length' x 'head width' x 'base width' shall be approximately 3.250" x 2.938" x 2.750". The finish shall be oxide chrome.

3.4.54 Socket Wrench, 1". This shall be a 6 point shallow socket wrench with a 3/8" drive and a 1" socket. The 'overall length' x 'head width' x 'base width' shall be approximately 1.375" x 1.313" x 1.250". The finish shall be oxide chrome.

3.4.55 Socket Wrench, 2-1/2". This shall be a 6 point impact socket drive wrench with a 1" drive and a 2-1/2" socket. The 'overall length' x 'head width' x 'base width' shall be approximately 3.625" x 3.500" x 2.375". The finish shall be oxide black industrial.

3.4.56 Socket Wrench, 2-1/8". This shall be a 6 point impact socket drive wrench with a 1" drive and a 2-1/8" socket. The 'overall length' x 'head width' x 'base width' shall be approximately 3.250" x 3.125" x 2.375". The finish shall be oxide black industrial.

3.4.57 Test Set, Pneumatic. This shall be a Hydac accumulator charge kit FPK style gauge unit.

3.4.58 Pressure Transmitter. This shall be a Kulite 10,000 PSI transducer

3.4.59 Tire Extension Valve. This shall be a rigid metal, B7straight extension. The male and female thread shall be .302" with a 32 pitch. The overall length shall be approximately 1.562".

3.4.60 Pneumatic Tank Valve. This shall be a brass fitting with a 300 degree raring. Cap thread shall be .305", 32 pitch and an approximate length of .336". The connection end shall be 1/8" with a 28 pitch thread. The overall length shall be approximately .850" Spring shall be corrosion resistant and cap shall be included.

3.4.61 Flat Washer. This shall be an M12 18-8 stainless steel washer with approximate dimensions 13 x 26 x 5 mm.

3.4.62 Wiring Harness. This shall be equal to the SPX Corporation jumper wire set with Part Number J35751.

3.4.63 Wrench, Spanner. This shall be an adjustable, fixed pivot point, forged alloy steel 2" to 4-3/4" span capacity. The approximate dimensions shall be 11.375" overall length, 0.351" thickness and 0.250 pin diameter.

3.4.64 Adjustable Wrench. This shall be equal to or better than the SPX Corporation cylinder repair adjustable wrench Part Number J-50000. It shall be a 3/4" drive with a min/max range from 55mm to 106mm. Approximate overall dimensions are 10.125" x 7.500" x 1.157" (L x W x D). The closed position overall dimension is 12.593".

3.4.65 Remover, Electrical. This shall be equal or better than the Kent-Moore NO. J35888 DDEC repair kit. This is used to remove the weather pack terminal.

3.5 Tool Set Container Design. The HMEE-I Field Level Tool set container shall be in accordance with Attachment 0003 and any special provisions contained herein. Within the container, the prescribed tool load as specified in Table 1 may be held within tool box (es). The tool set container shall consist of all field level tools listed in the tools Attachment 0001. The field level tools container shall be capable of locking. The locking device shall be a padlock. The padlock shall be included in this set in accordance with paragraph 3.5.10.

3.5.1 Materials. The contractor is free to choose any materials. However, all provisions of this DFP must be met, regardless of the choice of materials. Hardware that protrudes into the container and tool boxes within the container shall not present a hazard to users' hands or the tool load. The use of toxic chemicals, hazardous substances, and ozone depleting chemicals (ODCs) shall be not be used.

3.5.2 Weight. Each unloaded tool box and removeable piece within the field tools container shall be capable of being lifted and moved by manpower. The weight limit of a fully loaded tool box shall be in accordance with MIL-STD-1472, 5.9.11.3.1 & Table XVII, Male

and Female, scenario C: carry 33 feet as described in the table below or by forklift without modification or use of an adapter on the cases.

TABLE 2
MIL-STD-1472 Lifting Requirements for Males and Females

A: Lift 5 feet from floor		B: Lift 3 feet from floor		C: Carry 33 feet	
#-Person	LiftMax Load (lbs)	#-Person	Lift Max Load (lbs)	#-Person	LiftMax Load (lbs)
1	37	1	44	1	42
2	74	2	88	2	84
3	102	3	121	3	116
4	130	4	152	4	147
5	157	5	187	5	179
6	185	6	220	6	210
7	213	7	253	7	242
8	241	8	286	8	273
9	268	9	319	9	305
10	296	10	352	10	336

3.5.2.1 Warning Marking Tool Box. Each tool box shall have a warning label prominently displayed on the exterior of the box. The warning label shall state the number of persons required to lift the tool box (i.e. "Two person lift required", "Three person lift required", etc) as well as the weight of the object in accordance with MIL-STD-1472, 5.9.11.3.9. This requirement will be waived if the total weight of the filled tool box is equal to or less than the weight of a one-person lift.

3.5.2.2 Warning Marking Layers. If layers are used and any one layer inside a tool box weighs more than a 1-person lift (42-lbs in accordance with MIL-STD-1472, 5.9.11.3.1 & Table XVII, Male and Female, scenario C: carry 33 feet), that layer shall have a warning label prominently displayed and permanently affixed to the top of the layer. The warning label shall state the number of persons required to lift the layer (i.e. "Two person lift required", "Three person lift required", etc) as well as the weight of the layer in accordance with MIL-STD-1472, 5.9.11.3.9.

3.5.3 Handles. The handle(s) on each tool box shall each be rated for not less than 1-1/2 times the weight of the fully loaded tool box. The handles shall be installed using mechanical fasteners that cannot be readily removed, i.e. rivets or screws that cannot be removed with a screwdriver. (Reason: In the absence of another tethering point, the handle will be used to tie the tool box to a fixed post, pillar or another tool box with a cable and padlock for security. If the handle can be easily removed, then the tool box can be carried away without having to defeat the cable or padlock. Furthermore, if the handles are used to secure the tool box in a moving vehicle they need to be able to withstand higher forces than those encountered in a simple lift and carry situation.)

If only one handle is required (i.e. for a one-person lift described in Table 2), that handle shall be placed on top of the tool box and centered right to left. If more than one handle is used, the handles shall be spaced in such a manner that the lifters do not interfere with each other while lifting. The toolbox shall contain no less than one handle per person.

Handles shall not affect the strength and firmness of the case. While in use, the handles shall stop at a 90-degree angle to the face of the case. If a bar type handle is used, the clearance for the hand inside the handle shall be not be less than 2 inches by 4.25 inches. The handles on the upper half of the tool box (lid) may be the same as the handles used on the lower half of the tool box, or may be smaller if required for proper fit onto the lid.

3.5.4 Hardware. All metal hardware items on the container and the tool box(s) within shall be corrosion resistant stainless steel and shall be able to withstand long term attacks from corrosive atmospheric conditions exceeding 12 months.

3.5.5 Color. The field level tools container and tool box(s) within shall be subdued and non-reflective and any of the following colors: dark blue, dark green, black, tan or olive drab. (See 3.2.3 of attachment 0003)

3.5.6 Finish. The interior and exterior surface finish of the field level tools container and all tool boxes shall be clean, corrosion resistant, non-reflective, non-glossy and shall have no sharp edges or projections.

3.5.7 Human Engineering. Each tool box, including the handle and clasps, shall be designed so that the tool box can be carried, opened, and closed by a person wearing insulated work gloves. Each clasp or latch shall be able to be opened and closed using only one gloved hand. It shall require no more than 20 pounds of force to open or close the latch. If a bar type handle is used the clearance for the hand inside the handle shall be not less than 2 inches by 4.5 inches. If a recessed, molded type handle is used the space provided for the hand shall be not less than 2 inches (from palm side to knuckle side) by 5.25 inches (thumb side to little finger side) and \ inch clearance for the finger tips. If drawers are used, each drawer shall be able to be opened by a person wearing insulated work gloves.

3.5.8 Ambient Temperature Rough Handling Resistance. At ambient temperature, each fully loaded tool box shall withstand being rolled over on the floor so its top is on the ground as well as being rolled 360 degrees, four times, once over each side. All this shall be accomplished without sustaining any permanent damage or degradation to the proper functioning of the tool box, or the tools being damaged, becoming dislodged and moving freely around in the tool box.

3.5.9 Rapid Inventory. The tool storage system of the HMEE-I Field Level tool sets shall facilitate rapid inventory. Storage methods employed shall enable the operator to verify within ten minutes or less that all items are present and secured in their designated storage locations. In the event an item is absent from the set, the user shall be provided with the means to identify the specific item by name and description. It is desired that any one missing item in the tools container be identifiable within five minutes. Photos or drawings of the tool layout shall be permanently attached to the inside of the tool box(s) lid and shall be water and dust resistant through lamination or some other means of sealing. The photos or drawings shall be labeled with the corresponding drawer or layer number as well as all components within that layer. Each component shall be labeled with its corresponding part number.

3.5.10 Physical Security. The field level tools container shall include a locking feature. A padlock shall be used as the locking feature. The padlocks shall be key-operated, tumbler type padlocks conforming to CID A-A-59486. Each tool set shall be provided with a rust proof flexible aircraft cable not greater than 12 inches in length riveted under the hasp and with a loop to engage the hasp and retain the padlock when it is loose. All padlocks supplied for each tool set shall be keyed alike so that one tool set can be opened with a single key regardless of the number of locks.

3.6 Inputs and Interfaces.

3.6.1 Component List. The items identified in Table 1 shall be loaded into the field level tools container. All tools boxes and tools that do not fit into tool boxes shall be tightly secured for transport within the tools container. All tools shall be of an industrial or professional quality.

3.7 Loading Field Level Tools Container. The components to be supplied for the tools container shall be acquired and loaded in accordance with the storage system specified herein.

3.7.1 Interior tool storage system. To the maximum extent practical, the tools set shall be designed with an interior tool storage system that shall protect the tools against damage from rough handling, shock, and vibration encountered during transportation, shipping and handling. Suitable cushions and restraints (i.e. foam inserts and blocking and bracing shall be provided to keep all components in place and stowed items inside the tools container) shall be provided to keep all components in place and stowed items secured inside the tools container.

3.7.2 Proximate Storage. The contractor shall lay out the components and assemble them into layers or drawers with foam cut outs for each individual tool. Items normally used together, to the maximum extent practical, shall be stored in the same proximity within the tool box.

If layers are used within the tool box, each layer shall feature handles, straps, ties or some other device to aid in layer removal. The handles, straps, ties, or some other device shall be of correct length and position to facilitate the ease of layer removal. (i.e. it is easier to remove a layer with straps/handles on the narrow ends rather than placing them on the wide ends.) Layers shall not protrude past the interior edges of the tool box; they shall sit inside the lower portion of the tool box providing correct placement and making it easier to reattach the lid correctly (preventing layers from getting in the way due to unwanted movement).

3.7.3 Organizers. The tool organizing liners shall fill the tool box to prevent as much movement as possible. The organizing layer shall retain tools in position to provide for rapid inventory of the tool load, and to maintain the position of tools under rough handling and shipping conditions. If foam is used, it shall be closed cell and have a water absorption limit of no more than 0.020 lbs/ft² over cut surfaces when tested in accordance with ASTM D3575. The organizing liner shall provide contrasting color underneath the tools to aid in rapid inventory; contrasting color examples are not limited to the following: light on dark such as white/red on top and black underneath the tool or dark on light such as black on top and white/red underneath the tool.

If stacking organizing liners within the tool box, each organizing liner shall feature a rigid bottom strong enough to hold the tools positioned within the layer as well as handles, ties, ropes, or some other device to aid in the removal of each layer. If the weight of the individual layer is more than a one-person lift, a permanent warning shall be prominently displayed on the foam in a visible place. The lift requirements shall be in accordance with that described in paragraph 3.5.2 herein.

The materials used in the tool organizing liner shall be resistant to water, refrigerants, automotive oils, greases, lubricants, fuels including gasoline, diesel fuel, JP-8 and JP-4, acids, bases, coolants, aircraft hydraulic fluid, alcohols and cleaning agents. Each contoured retention feature shall securely hold tools in place so that when a tool box is turned over, the tools will be retained in position. Each contoured retention feature shall allow easy removal of the tool and shall include as necessary pick holes, cut out or recessed areas or protrusion of tools above the tool organizing liner. Each retention feature shall be smooth and free from rough edges.

3.7.4 Container Labels.

3.7.4.1 Tool Layout. A diagram showing the location of each component in its loaded position shall be provided with each tools set and shall be permanently affixed to the inside of the container. If there is multiple tool boxes, the diagram shall call out which tool box a specific tool is in. This shall be done by showing the location of each tool box within the tools container and also by labeling the tool box by name, number or letter. Each tool box shall have a diagram of the tools within it, permanently affixed to the inside of the lid. This shall not inhibit the ability to open or close the container. These diagram(s) shall serve as an inventory sheet to facilitate rapid inventory. The diagram shall be water and dust resistant and durable.

3.8 Safety.

3.8.1 Lift Hazards. Caution signs shall be provided for all items that exceed the safe limits for a single person to lift using both hands. Product safety signs and labels shall conform to ANSI Z535.4. The number of persons assigned for lifting each item shall be determined using the guidance per paragraph 5.9.11.3.1 of MIL-STD-1472.

3.9 Plates.

3.9.1 Data Plate. Each tools set shall have a data plate permanently and legibly marked with the following information, including all information required to be inserted in the blanks indicated.

- a. End Item Nomenclature: HMEE Type I Tool Set
 - b. End Item LIN: TBD (provided by the Government)
 - c. End item NSN: TBD (provided by the Government)
 - f. Weight____Lbs, Volume____cu ft, Length____in, Width____in, Height____in
 - g. Manufacturer: CAGE
 - h. Contract or Purchase Order No.: _____
- * Format optional

The data plate shall conform to Commercial Item Description A-A-50271 Composition A, Class 2 or Composition D. The data plate shall be placed in a plainly visible location on the exterior of each tool box, but not on the lid, when it is closed in preparation for shipment or storage.

3.9.2 Plates and Labels. All identification, warning and instruction plates and labels shall be permanently affixed to the HMEE-I tools set. They shall be resistant to deterioration caused by heat, cold, solar radiation, water, and petroleum products to the extent that they will remain intact and readily legible for 5 years or the expected life of the HMEE-I tools set. Marking shall be accomplished in a manner that does not adversely affect the life and utility of the HMEE-I field level tools or its equipment. All plates and labels shall be printed using the English language and may be supplemented by graphical symbols.

3.10 Workmanship. The quality of workmanship imparted to the HMEE-I tools set shall equal or exceed that typically provided to domestically produce commercial products of this type. The HMEE-I tools set presented for acceptance shall have been manufactured with skill and care; shall be uniform, neat, and clean; and shall be free from irregularities and anomalies that degrade form, fit, function, performance or appearance.

4. QUALITY ASSURANCE PROVISIONS.

4.1 General Provisions. The product verifications and conformance inspections stated herein shall be performed to determine whether the item conforms to Section 3 of this Description for Purchase. Unless otherwise specified in the contract, all verifications and inspections shall be performed in accordance with the conditions specified herein. The contractor is responsible for the performance of all product verifications and conformance inspections specified herein. The contractor may use his own or any other facilities suitable for the performance of the verifications and inspections, unless disapproved by the Government. The Government reserves the right to perform any of the verifications and inspections set forth in this DFP, at a later date and in its own facilities, where such verifications and inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.1.1 Classification of inspections. The inspection requirements specified herein are classified as follows:

- a. Product performance verification (see 4.2)
- b. Conformance inspection (see 4.3)

4.2 Product Performance Verification. Product performance verification is performed before full production begins and is intended to verify that the product is designed and manufactured to meet the requirements of this specification. It includes visual and manual inspections, some of which result in measured or counted values, as well as tests and demonstrations to prove compliance of the tested product and all of its assemblies and subcomponents with the requirements of this specification. It also includes the product conformance inspections, as described in paragraph 4.3, which will be performed during production to prove that all inspected

characteristics are in compliance at the beginning of production. Product submittal, inspections and acceptance criteria are as follows:

- a. Submission. The contractor shall submit one or more sets for product verification and conformance inspections. (see 3.1)
 - b. Inspections to be performed. As determined by the Government, the set assemblies, components and specimens may be subjected to any or all of the verifications and inspections specified in paragraphs 4.2, 4.3 and all sub paragraphs.
 - c. Rejection. If any set assembly, component or specimen fails to comply with any of the applicable requirements, the entire set shall be rejected. The contractor shall be responsible for the costs associated with the retesting of any failed set assembly, component or specimen. The Government reserves the right to terminate further verifications and inspections upon any failure of a set assembly, specimen or component to comply with any of the requirements.
- 4.2.1 Ambient temperature rough handling and organizer demonstration. Load a chest with a full component load, close and fasten. Roll the chest over on the floor, 360 degrees, so that the chest becomes completely inverted, and do so four times, once in each of the four different directions, going over each of the four lower edges. Set the chest upright. Open the chest and inspect the components to assure that all components are still in their proper storage position. Failure of the component organizing liner to retain the components such that no components are damaged and any displaced component can be immediately replaced into its proper storage position shall constitute failure of this requirement. (see 3.5.8, 3.7.3)
- 4.2.2 Tool box construction verifications. Verify that the components of the chest meet the requirements of paragraph 3.5 and all sub paragraphs.
- 4.2.2.1 Materials. Verify that the tool box is constructed of parts and materials that are corrosion resistant or suitably processed to resist corrosion. Verify hardware that protrudes into the tool box interior does not present a hazard to users hands or the tool load. (see 3.5.1)
- 4.2.2.2 Weight and warning label. Verify the weight limit of the fully loaded tool box(s) conforms to MIL-STD-1472, 5.9.11.3.1 & Table XVII, Male and Female, scenario C: carry 33 feet as described in the table of paragraph 3.5.2, or by forklift without modification or use of an adapter on the box. Verify the tool box(s) has a warning label prominently displayed on the exterior of the box that states the number of persons required to lift the tool box as well as the weight of the object in accordance with MIL-STD-1472, 5.9.11.3.9. Verify in the case where layers are used and any one layer inside a tool box weighs more than a 1-person lift (42-lbs in accordance with MIL-STD-1472, 5.9.11.3.1 & Table XVII, Male and Female, scenario C: carry 33 feet), that layer contains a warning label prominently displayed and permanently affixed to the top of the layer. Verify the warning label states the number of persons required to lift the layer. (see 3.5.2, 3.5.2.1, 3.5.2.2, 3.8.1)
- 4.2.2.3 Plates and Labels. Verify all identification, warning and instruction plates and labels are permanently affixed to the tools set and tool box(s) within and contains the information as described in paragraph 3.9.1, including all information required to be inserted in the blanks indicated. Verify all plates and labels are printed using the English language and may be supplemented by graphical symbols. (see 3.9.1, 3.9.2)
- 4.2.2.4 Handles. Verify each handle is rated for not less than 1-1/2 times the weight of the fully loaded tool box. Verify the handles are installed using mechanical fasteners that cannot be readily removed, i.e. rivets or screws that cannot be removed with a screwdriver. Verify if only one handle is required that the handle is placed on top of the tool box and centered right to left. Verify if more than one handle is used, that the handles are spaced in such a manner that the lifters do not interfere with each other while lifting. Verify that while in use, the handles located on the sides of the tool box stop at a 90-degree angle to the face of the box. Verify if a bar type handle is used, the clearance for the hand inside the handle is not less than 2 inches by 4.25 inch. (see 3.5.3)
- 4.2.2.5 Hardware. Verify by objective evidence that all metal hardware items on the tool box are corrosion resistant stainless steel and able to withstand long term attacks from corrosive atmospheric conditions. (see 3.5.4)
- 4.2.2.6 Color. Verify the field level tools container and tool box(s) within are subdued, non-reflective one of the following colors: dark blue, dark green, black, tan or olive drab. (see 3.5.5)
- 4.2.2.7 Finish. Verify the exterior surface finish of each tool box is clean, corrosion resistant, non-reflective, non-glossy and have no sharp edges or projections. (see 3.5.6)
- 4.2.2.8 Human engineering demonstration. Verify a fully loaded component chest shall be used by persons wearing insulated work gloves. Inability of the persons to carry the fully loaded chest, unlock, open and remove items, replace items, close and re-lock the chest, while wearing the gloves, shall constitute failure of this requirement. (see 3.5.7)
- 4.2.2.9 Rapid inventory demonstration. Verify the tool storage system for the Measuring Tool Set components in the tools set facilitates rapid inventory. Demonstrate that the storage methods employed enable an operator to verify within ten minutes or less that

all items are present and secured in their designated storage locations. Demonstrate, by randomly removing one or several tools, that the user can determine any missing items in a tool box and identify the missing items within five minutes. Verify photos or drawings of the tool layout is permanently attached to the inside of the tools container and lid of the tool box(s) and is water and dust resistant through lamination or some other means of sealing. Verify the photos or drawings are labeled with the corresponding drawer or layer number as well as all components within that layer. (see 3.5.9)

4.2.2.10 Physical Security. Verify the field level tools container has a locking feature. Verify the tool box top and base as well as drawers (if applicable) cannot open once locked shut and that no tool can be removed. Verify a key-turn lock or padlock is used as the locking feature. Verify the field level tools container has a rust proof flexible aircraft cable not greater than 12 inches in length is riveted under the hasp and with a loop to engage the hasp and retain the padlock when it is loose. Verify all padlocks supplied for each field level tools container is keyed alike so that one field level tools container can be opened with a single key regardless of the number of locks. (see 3.5.10)

4.2.2.11 Interior component storage system. Verify that each retention feature is capable to hold components in place without damage following the rough handling test of paragraph 3.5.8. Provide objective evidence that each retention feature allows for the easy removal of the components. (see 3.5.8, 3.7.1)

4.3 Conformance Inspection. Conformance inspection shall be applied to the first units inspected at the Product Performance Verification step (see 4.2) and to production units being offered for acceptance under the contract. These inspections shall include all verifications listed under paragraph 4.3 and shall be limited to the examination of product to verify compliance with design requirements established during product performance verification.

4.3.1 Inspection Lot Formation. Inspection lots shall be formed in accordance with Section 4 of MIL-STD-1916.

4.3.1.1 Sampling Plan Determination. Sampling inspections shall be conducted in accordance with MIL-STD-1916 using Verification Level I.

4.3.1.2 Rejection. Failure of any unit to pass any verification shall be cause for rejection of the lot.

4.3.2 Product examination. Visually, dimensionally, and manually examine each set to determine conformance with the requirements. Visual examination shall include verification of completeness of manufacture and assembly, proper cleaning, and freedom from the identified defects. Dimensional examination includes measuring dimensions as specified and weighing the unit. Manual examinations shall include the operation of movable parts by hand to assure proper functioning. (see 3.4.1 thru 3.4.24)

4.3.3 Workmanship. Verify the quality of workmanship imparted to the field level tools set and its components equal or exceed that typically provided to domestically produced, commercial chests of these types. Verify the chests presented for acceptance have been manufactured with skill and care; uniform, neat, and clean; and free from irregularities and anomalies which degrade form, fit, function, performance or appearance. (see 3.10)

4.3.4 Components and related items loaded into the set. Verify all the components, as listed on Table 1, are loaded into the chest in the quantities indicated. (see 3.3, 3.4)

4.3.5 Industrial quality components. When required, verify that the components provided conform to industrial standards through substantial evidence of sales to industrial customers. (see 3.2)

4.3.6 Warranty. Verify that warranties of all components are provided in accordance with manufacturing requirements as specified in the contract. (see 3.2.1, 3.7.4.2, 3.7.4.3)

4.3.7 Packaging. Verify that unit packaging, unit package markings, shipping containers, shipping container markings, packing lists, quality certification heat treatment markings and unitization requirements are in accordance with Section 5 of this DFP. Failure to comply with the requirements may be cause for rejection.

4.4 Changes to materials, processes, or configuration. The contracting officer shall be informed of any changes to the materials, processes, or configuration of any characteristic of the units. The contracting officer shall determine if the reported changes to materials, processes, or configuration shall require additional verifications.

4.5 Conformance of subsequent production quantity. All products offered for acceptance throughout the life of the contract shall conform to all of the requirements of the contract. The Government reserves the right to re-verify conformance with requirements, at its own facility and at its own expense, at any time during the life of the contract and return to the contractor for warranty replacement such product that does not conform to the specified requirements.

5. Preservation, Packing and Packaging RESERVED. See Attachment 0003.

In addition to the 65 tools listed in the DFP, Attachment 0002, the following tools will be provided as GFM and shall be included in the overall packaging of the complete tool sets.

ITEM NAME	DESCRIPTION	SUPPLIER CAGE	SUPPLIER P/N	NSN	QTY	EST. UNIT PRICE
ENGINE LIFTING BEAM		OJKF0 / K7599	347/21067	2510991549956	1	\$250.53
INSERTER, BEARING AN	BUSHING TOOL	OJKF0	892/01244	5120996027612	1	\$1,128.52
MANDREL / INSERTER, SEAL	BLUNT, METAL	OJKF0 / K7599	892/01027	5120994232460	1	\$52.41
MANDREL / SLEEVE	LARGE, PLASTIC	OJKF0 / K7599	892/01021	4910991826225	1	\$121.62
MANDREL / SLEEVE	MEDIUM, PLASTIC	OJKF0 / K7599	892/01019	4910991823103	1	\$102.84
MANDREL / SLEEVE	SMALL, PLASTIC	OJKF0 / K7599	892/01018	4910997318648	1	\$101.48
PARK BRAKE ADJ TOOL		OJKF0	892/01242	5120998130570	1	\$133.11
POWERTRAIN CART		OJKF0	892/01245	4910016186679	1	\$1,444.51
POWERTRAIN STAND		OJKF0	347/21071	4910016186416	1	\$1,444.51
SEAL FITTING TOOL / RAM SEAL	GLAND SEAL	OJKF0 / K7599	892/00334	5120997609968	1	\$92.25
TOOL KIT, VEHICULAR	WHEEL HUB KIT	OJKF0	892/01092	5180991316041	1	\$3,746.74

The weights and dimensions for the above tools are as follows:

<u>Item Name</u>	<u>NSN</u>	<u>Weight</u>	<u>Dimensions</u>
Engine Lifting Beam	2510991549956	125 lbs	40 x 22 x 10.5 (inches)
Insertter, Bearing An	5120996027612	6.7 lbs	dia 3.14 x 9.6 (inches)
Mandrel/Insertter, Seal	5120994232460	0.88 lbs	0.8 x 6.6x 0.27 (inches)
Mandrel/Sleeve	4910991826225	0.41 lbs	dia 2.4 x 4.75 (inches)
Mandrel/Sleeve	4910991823103	0.17 lbs	dia 1.97 x 3.9 (inches)
Mandrel/Sleeve	4910997318648	0.13 lbs	dia 1.6 x 3.5 (inches)
Park Brake Adj Tool	5120998130570	0.5 lbs	2.75 x 1.75 x 1.38 (inches)
Powertrain Cart	4910016186679	210 lbs	37 x 31 x 53 (inches)
Powertrain Stand	4910016186416	310 lbs	80 x 80 x 32 (inches)
Fitting Tool/Ram Seal	5120997609968	0.85 lbs	5 x 7 x 3.5 (inches)
Tool Kit, Vehicular	5180991316041	74 lbs	18 x 18 x 24 (inches). Each box contains 15 large componets and several fasteners.

The unit prices above are estimates only. Actual prices will be supplied at the time of award.