

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Firm Fixed Price

Page 1 Of 20

2. Amendment/Modification No. P00017	3. Effective Date 2013DEC18	4. Requisition/Purchase Req No. SEE SCHEDULE	5. Project No. (If applicable)
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6. Issued By U.S. ARMY CONTRACTING COMMAND MARCILLE D. NORDSTOG WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: MARCILLE.D.NORDSTOG@US.ARMY.MIL	Code W56HZV	7. Administered By (If other than Item 6) DCMA SOUTHERN EUROPE (GERMANY) CMR 410, BOX 761 WIESBADEN GERMANY APO AE 09049	Code SGR18A
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8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code) GENERAL DYNAMICS EUROPEAN LAND SYSTEMS-GERMANY BARBAROSSASTR. 30 KAISERSLAUTERN, DE GERMANY 67655	<input type="checkbox"/>	9A. Amendment Of Solicitation No.
	<input type="checkbox"/>	9B. Dated (See Item 11)
	<input checked="" type="checkbox"/>	10A. Modification Of Contract/Order No. W56HZV-07-D-0202
	<input type="checkbox"/>	10B. Dated (See Item 13) 2007JUL02
Code D9913	Facility Code	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers

is extended, is not extended.

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

12. Accounting And Appropriation Data (If required)

NO CHANGE TO OBLIGATION DATA

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

<input type="checkbox"/>	A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A.	The Changes Set Forth In Item 14 Are Made In
<input type="checkbox"/>	B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).	
<input checked="" type="checkbox"/>	C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:	FAR 6.302-1(a)(2)
<input type="checkbox"/>	D. Other (Specify type of modification and authority)	

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

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

SEE SECOND PAGE FOR DESCRIPTION

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

15A. Name And Title Of Signer (Type or print)	16A. Name And Title Of Contracting Officer (Type or print) SUZANNE KAY DOETSCH SUZANNE.DOETSCH@US.ARMY.MIL (586)282-7087		
15B. Contractor/Offeror _____ (Signature of person authorized to sign)	15C. Date Signed	16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)	16C. Date Signed 2013DEC18

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Name of Offeror or Contractor: GENERAL DYNAMICS EUROPEAN LAND SYSTEMS-GERMANY		

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: MARCILLE D. NORDSTOG
 Buyer Office Symbol/Telephone Number: CCTA-HBF-B/(586)282-3742
 Type of Contract: Firm Fixed Price
 Kind of Contract: Supply Contracts and Priced Orders
 Type of Business: Foreign Concern/Entity
 Surveillance Criticality Designator: C
 Contract Expiration Date: 2014JUN30

*** End of Narrative A0000 ***

1. This is Modification P00017 to Contract W56HZV-07-D-0202

2. The purpose of this Bilateral Modification P00017 on Contract W56HZV-07-D-0202 is to provide De-processing for 420 Army Prepositioned Stock (APS) bays, including a Field Service Representative (FSR), additional parts for long term storage of the Improved Ribbon Bridge (IRB) bays, and incorporated additional language to the Statement of Work, Section C, of this document.
 - A. Establish CLINs for the FSR and Hardware requirements for the Deprocessing effort.
 - i. Establish CLIN 7011 in the amount of \$156,843.30 for a Field Service Representative: One FSR for a performance period of 150 man-days, for 5 individual 30 day Fielding's.
 - ii. Establish CLIN 7012 in the amount of \$191,475.01 for Hardware.
 - B. The exchange rate as of December 11, 2013 08:38 GMT is 1.3753 US Dollars to 1 Euro.
 - C. SECTION C: Incorporate language into the Statement of Work as follows:

C.14.24 The contractor FSR shall provide IRB instructions, guidance and on the ground service support to execute IRB bay long term storage preparations. Services required include, but are not limited to the removal of all external rubber hoses. The contractor shall direct and assist with the removal of identified IRB ramp bay hoses to mitigate the potential for ultra violet light ray degradation during periods of long term unprotected outdoor storage. The contractor shall provide guidance, direction and assistance with the application of long term lubricants and or preservatives to specifically address all bay lower lock drive assemblies such as jack screws, trunions, locking pins, exposed contact points and any applicable relative bay hinge points. The contractor shall provide a means for the removal of outer pontoon drain plugs and installation of a one-way temporary disposal valve for each interior and ramp bay as applicable.

C.14.24.1 The contractor shall provide all Hardware required for the IRB De-Processing effort to the FSR as necessary to complete the IRB bay long term storage preparations as described above.

C.14.24.2 The Contractor is required to provide all the hardware for the Scope in C.14.24.

The Warranty at Clause C.10 on this Base contract does not apply to this Modification P00017.

3. Except as specified above, all other terms and conditions of this contract remain unchanged and in full force and effect.

*** END OF NARRATIVE A0017 ***

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Reference No. of Document Being Continued
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Name of Offeror or Contractor: GENERAL DYNAMICS EUROPEAN LAND SYSTEMS-GERMANY

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT																																																																								
7011	<p>SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS</p> <p><u>IRB DE-PROCESSING FSR</u></p> <p>SERVICE REQUESTED: SERVICE LINE ITEM CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>IRB De-Processing at Sierra Army Depot.</p> <p>a. LOT 1 (De-Processing),30 Man Days (1 Personnel).</p> <table border="0"> <thead> <tr> <th>Qty.</th> <th>Unit</th> <th>Item</th> <th>Amt.</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Lot</td> <td>30 Man Days</td> <td>\$ 23,207.00</td> </tr> <tr> <td>01</td> <td>Lot</td> <td>Accomod.</td> <td>\$ 2,407.00</td> </tr> <tr> <td>01</td> <td>Lot</td> <td>Per Diem</td> <td>\$ 1,380.00</td> </tr> <tr> <td>01</td> <td>Lot</td> <td>Travel</td> <td>\$ <u>4,204.00</u></td> </tr> <tr> <td></td> <td></td> <td></td> <td>\$ 31,198.00</td> </tr> </tbody> </table> <p>Delivery Notice of De-Processing effort to be negotiated 60 days prior to Commencement of FSR.</p> <p>Deliveries or Performance DLVR SCH REL CD QUANTITY PERF COMPL DATE 001 1 31-MAY-2014</p> <hr/> <p>b. LOT 2 (De-Processing),30 Man Days (1 Personnel).</p> <table border="0"> <thead> <tr> <th>Qty.</th> <th>Unit</th> <th>Item</th> <th>Amt.</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Lot</td> <td>30 Man Days</td> <td>\$ 23,207.00</td> </tr> <tr> <td>01</td> <td>Lot</td> <td>Accomod.</td> <td>\$ 2,407.00</td> </tr> <tr> <td>01</td> <td>Lot</td> <td>Per Diem</td> <td>\$ 1,380.00</td> </tr> <tr> <td>01</td> <td>Lot</td> <td>Travel</td> <td>\$ <u>4,204.00</u></td> </tr> <tr> <td></td> <td></td> <td></td> <td>\$ 31,198.00</td> </tr> </tbody> </table> <p>Delivery Notice of De-Processing effort to be negotiated 60 days prior to Commencement of FSR.</p> <p>Deliveries or Performance DLVR SCH REL CD QUANTITY PERF COMPL DATE 002 1 31-JUL-2014</p> <hr/> <p>c. LOT 3 (De-Processing),30 Man Days (1 Personnel).</p> <table border="0"> <thead> <tr> <th>Qty.</th> <th>Unit</th> <th>Item</th> <th>Amt.</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Lot</td> <td>30 Man Days</td> <td>\$ 23,207.00</td> </tr> <tr> <td>01</td> <td>Lot</td> <td>Accomod.</td> <td>\$ 2,407.00</td> </tr> <tr> <td>01</td> <td>Lot</td> <td>Per Diem</td> <td>\$ 1,380.00</td> </tr> <tr> <td>01</td> <td>Lot</td> <td>Travel</td> <td>\$ <u>4,204.00</u></td> </tr> <tr> <td></td> <td></td> <td></td> <td>\$ 31,198.00</td> </tr> </tbody> </table> <p>Delivery Notice of De-Processing effort to be negotiated 60 days prior to Commencement of FSR.</p>	Qty.	Unit	Item	Amt.	01	Lot	30 Man Days	\$ 23,207.00	01	Lot	Accomod.	\$ 2,407.00	01	Lot	Per Diem	\$ 1,380.00	01	Lot	Travel	\$ <u>4,204.00</u>				\$ 31,198.00	Qty.	Unit	Item	Amt.	01	Lot	30 Man Days	\$ 23,207.00	01	Lot	Accomod.	\$ 2,407.00	01	Lot	Per Diem	\$ 1,380.00	01	Lot	Travel	\$ <u>4,204.00</u>				\$ 31,198.00	Qty.	Unit	Item	Amt.	01	Lot	30 Man Days	\$ 23,207.00	01	Lot	Accomod.	\$ 2,407.00	01	Lot	Per Diem	\$ 1,380.00	01	Lot	Travel	\$ <u>4,204.00</u>				\$ 31,198.00				<p>\$ 156,843.30</p>
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Reference No. of Document Being Continued
 PIIN/SIIN W56HZV-07-D-0202 MOD/AMD P00017

Name of Offeror or Contractor: GENERAL DYNAMICS EUROPEAN LAND SYSTEMS-GERMANY

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT																								
	Deliveries or Performance DLVR SCH REL CD QUANTITY PERF COMPL DATE 003 1 30-SEP-2014 <hr/> d. LOT 4 (De-Processing),30 Man Days (1 Personnel). <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Qty.</th> <th style="text-align: left;">Unit</th> <th style="text-align: left;">Item</th> <th style="text-align: right;">Amt.</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Lot</td> <td>30 Man Days</td> <td style="text-align: right;">\$ 23,207.00</td> </tr> <tr> <td>01</td> <td>Lot</td> <td>Accomod.</td> <td style="text-align: right;">\$ 2,407.00</td> </tr> <tr> <td>01</td> <td>Lot</td> <td>Per Diem</td> <td style="text-align: right;">\$ 1,380.00</td> </tr> <tr> <td>01</td> <td>Lot</td> <td>Travel</td> <td style="text-align: right;">\$ <u>4,204.00</u></td> </tr> <tr> <td colspan="3"></td> <td style="text-align: right;">\$ 31,198.00</td> </tr> </tbody> </table> <p>Delivery Notice of De-Processing effort to be negotiated 60 days prior to Commencement of FSR.</p>	Qty.	Unit	Item	Amt.	01	Lot	30 Man Days	\$ 23,207.00	01	Lot	Accomod.	\$ 2,407.00	01	Lot	Per Diem	\$ 1,380.00	01	Lot	Travel	\$ <u>4,204.00</u>				\$ 31,198.00				
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	Deliveries or Performance DLVR SCH REL CD QUANTITY PERF COMPL DATE 005 1 31-MAR-2015 <hr/> (End of narrative B001) The deprocessing will occur in five seperate, 30 man-day increment periods. The FSR will provide technical support to assist in de-processing the IRB Bays as well as prepare the IRB Bays for long term storage. (End of narrative C001) <u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination																												

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Name of Offeror or Contractor: GENERAL DYNAMICS EUROPEAN LAND SYSTEMS-GERMANY

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
7012	<p><u>IRB DE-PROCESSING HARDWARE</u></p> <p>SERVICE REQUESTED: HARDWARE FOR DE-PROCESSING CLIN CONTRACT TYPE: Firm Fixed Price</p> <p>IRB De-Processing at Sierra Army Depot.</p> <p>Hardware requisitioned per C.14.24.2.</p> <p>Hardware consists of:</p> <ul style="list-style-type: none"> - ASL/PLL - ALUMINUM SHEETS PN: 02-701-0391 - SPECIAL TOOLS PN: 02-910-1111 - CONSUMABLES PN: 02-020-0105 - Gortex Plugs: PN: N/A - Gortex Plug Adapters: PN: N/A - Plastic Plugs PN: 90-973-4209 - IRB Tectyl PN: 660-723 - Storage Boxes PN: N/A <p>(End of narrative B001)</p> <p><u>Inspection and Acceptance</u> INSPECTION: Destination ACCEPTANCE: Destination</p> <p>Shipment of entire Lot of hardware listed above is scheduled to arrive on or before 15-MAY-2014.</p> <p>(End of narrative F001)</p>				\$ 191,475.01

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ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT

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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1 GENERAL DESCRIPTION

C.1.1 The Improved Ribbon Bridge (IRB) shall be produced by the Contractor, as an independent contractor and not as an agent of the U.S. Government, in accordance with this Scope Of Work (SOW) and the ATPD-2277, IRB Detail Specification (Attachment 1). The Improved Ribbon Bridge (IRB) produced under this Scope of Work (SOW) shall be an integrated system of Interior and Ramp Bridge Bays which function seamlessly with associated IRB equipment (i.e. the Standard Ribbon Bridge (SRB) bays, Bridge Adapter Pallet (BAP), Common Bridge Transporter (CBT), Bridge Erection Boat (BEB), and the M1076 Palletized Load System Trailer (PLST)).

C.2 SYSTEM RESPONSIBILITY

C.2.1 System Responsibility. The contractor shall have proprietary control over the design, documentation, production process and design changes for the IRB system, including the resolution of all interface issues related to the design, form, fit, function, integration and performance of the IRB specified herein. The contractor is encouraged to use commercial products, processes and practices.

C.2.2 The Integrated Product Team (IPTs) concept, utilized during contract W56HZV-05-D-0056, shall be applicable to this contract and throughout the duration of this contract performance. The contractor shall be ultimately responsible for all decisions affecting production of the IRB during contract performance. The Government shall not be liable for suggested solutions.

C.2.3 The contractor shall host a Start of Work Meeting no later than 30 working days after contract award (DACA), at the contractor's facility, (Kaiserslautern, Germany) or if desired by the U.S. Government, at a Government designated facility. The date of this meeting shall be mutually agreed upon between the contractor and the Government. The purpose and agenda for this meeting is to ensure that the Contractor has a firm and complete understanding of the requirements of this SOW. There shall be only one Start of Work meeting.

C.2.4 Initial IPT. The Government and contractor shall attend this initial IPT meeting at the contractors facility within 90 working DACA. The meeting shall include a discussion of the Scope of Work and Purchase Description and any issues pertaining to all functional areas. The meeting will also be a forum to finalize IPT assignments and membership.

C.2.5 Decisional correspondence shall be in Microsoft office format and submitted to the designated Contracting Officer.

C.3 PRODUCT ASSURANCE.

C.3.1 Quality System Requirement: Higher -Level Contract Quality Requirement, reference Section E clause 52.246-4025.

C.3.2 Product Quality Deficiency Reports (PQDR), Standard Form 368. A PQDR may be submitted whenever an issue with the produced item is identified by the customer. Upon receipt of PQDRs on fielded units, the Contractor shall take the following actions:

C.3.2.1 Verify the reported deficiency and begin an investigation.

C.3.2.2 Request any necessary exhibits.

C.3.2.3 Perform failure analysis and determine root cause.

C.3.2.4 Determine extent of problem, severity, and long term impact.

C.3.2.5 Failure Analysis and Corrective Action Report (FACAR) per DID DI-RELI-81315 (Contract Data Requirement List (CDRL) A001), shall be submitted within 30 calendar days of receipt of a PQDR. If a final response is not ready for submittal, the Contractor shall submit an interim response detailing the status of the investigation. The final response shall be submitted within 30 calendar days after an interim response, as appropriate, and shall include actions taken, root cause, corrective action needed, and Contractor's position with respect to repairs or replacement parts.

C.3.3 Final Inspection Record (FIR). The Contractor shall continue to update the latest approved FIR of W56HZV-05-D-0056 contract to reflect all engineering or manufacturing changes that impact the FIR during the entire contract period. Each update shall be in accordance with CDRL A002 and require Government notification and review. The Contractor shall submit the completed FIR to the Government with each unit offered for acceptance.

C.3.4 Quality Records. All records of inspections, examinations, certifications, tests, supplier audits, and purchase orders, shall be retained by the contractor for a period of 4 years after contract close out. These records shall be made available to the Government upon request.

C.3.5 Material Review Board (MRB). The Contractor shall establish a MRB, which is responsible for disposition of non-conforming material. In the event that the MRB determines non-conforming material can be repaired or used as is, the designated Government Representative shall be notified for review and approval.

C.3.6 Welding Procedures. The Contractor shall perform all welding required under this contract in accordance with the following paragraphs.

C.3.6.1 Qualification requirements for welders and weld inspectors.

C.3.6.1.1 Welder qualification. Before (i) assigning any welder or welding operator to perform manual, semi-automatic or automatic welding work, or (ii) using any automatic welding equipment for work covered by this contract, the contractor shall ensure that his welding equipment has been certified, and that his welders or welding operators have passed qualification testing, as prescribed by the applicable qualification standard identified in paragraph C.3.6.3 below.

C.3.6.1.2 Weld Inspection. During performance of this contract, the Contractor shall verify weld quality and workmanship using qualified inspectors trained to perform these inspection functions. Acceptable qualification for inspectors may be based on the following:

C.3.6.1.2.1 Current or previous certification as an American Welding Society (AWS) certified welding inspector; or

C.3.6.1.2.2 Inspection performed by an engineer or technician who is competent in the use of weld inspection techniques and equipment, on the basis of (i) formal training or, (ii) experience, or both, in metals fabrication, inspection, and testing.

C.3.6.2 Welder Qualification. The Contractor shall certify that the welder/welding equipment have passed qualification tests as prescribed by the following AWS Standards:

C.3.6.2.1 AWS D1.1 for Structural Steel

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C.3.6.2.2 AWS D1.2 for Structural Aluminum

C.3.6.2.3 AWS D1.3 for Sheet Metal

C.3.6.3 Workmanship Specimens. Prior to the start of production the Contractor shall validate welding procedures by preparing workmanship specimens. To reduce redundant fabrication of weld workmanship specimens may be grouped according to joint type, geometry, material thickness, position, type of process and strength, as approved by the designated COR. Fabrication of workmanship specimens shall be accomplished using the following:

C.3.6.3.1 The lower limits of the declared range of factors for those materials exceeding a thickness of 0.125 inches; and

C.3.6.3.2 The higher limits of the declared range for those materials equal to or less than a thickness of 0.125 inches.

C.3.6.3.3 If the Contractors workmanship specimens disclose the need for any changes or corrections to welding procedures all required updates and revisions shall be made.

C.3.6.4 If workmanship specimens have been previously qualified under another Government contract, the PCO may waive the requirements of this paragraph. The written request for waiver shall be submitted, for approval, to the PCO, and the previous contract(s) shall be identified.

C.3.7 Treatment and Painting. The portions of the interior bay and ramp bay assembly normally painted shall be cleaned and treated in accordance with TT-C-490 if ferrous, or MIL-C-5541 if aluminum, primed and painted with chemical agent resistance paint in accordance with MIL-C-53072. Unless otherwise specified, the topcoat color shall be Color Chip No. 34094 Green 383 of FED-STD-595. When camouflage patterns are required, the top coat shall be over-coated in accordance with the Government furnished camouflage patterns and top coat colors conforming to MIL-C-53072.

C.4 Configuration Management

C.4.1 The configuration of the IRB shall conform to the First Article Test (FAT) approved under Contract W56HZV-05-D-0056.

C.4.2 The Contractor shall update and maintain the Configuration Management Plan for the IRB contained in Attachment 004. The Contractor can use MIL-HDBK-61A(SE) to update the Configuration Management Plan. All Class I ECPs, and major and critical Requests for Deviation (RFDs), shall be approved by the Procuring Contracting Officer (PCO) prior to implementation by the Contractor. The ECPs and RFDs shall be prepared per the contractors configuration management plan and the following requirements under C.4.3.

C.4.3 Configuration Management, Baseline and Control

C.4.3.1 Product Configuration Identification (PCI). All drawings and associated documents used to produce the approved First Article and all approved Engineering Change Proposals (ECPs) under contract DAAE07-00-C-S014 shall constitute the approved PCI and be the baseline for future changes.

C.4.3.2 Engineering Changes.

C.4.3.2.1 All proposed changes to the IRB shall be reported to the Government. These include, but are not limited to design changes, component changes, changes in source of components, and changes that affect the contractor's drawing package for the IRB. The procedures for reporting changes shall be identified in the Configuration Management Plan. The following procedures for Government notice and approval shall apply and be incorporated into the contractor's Configuration Management Plan.

C.4.3.2.2 Following are the definitions for Class I and II ECPs. Class I - A change that effects the following: performance, part interchangeability, cost, maintainability, reliability, integrated logistic support, or delivery schedule. Class II - A change that impacts none of the Class I factors as specified above.

C.4.3.3 Class II Engineering Changes. Contractor Requested.

C.4.3.3.1 These changes shall be performed and submitted in accordance with CDRL A003 and as specified in the current Government Configuration Management Plan (GCMP) dated December 2002 for the IRB System. A copy of the GCMP is contained in Attachment 004.

C.4.3.4 Class I Engineering Changes. Contractor Requested.

C.4.3.4.1 These changes shall be performed and submitted in accordance with CDRL A003 and as specified in the current Government Configuration Management Plan (GCMP) for the IRB.

C.4.3.4.2 The contractor shall use the same process used in the previous contract and described in the IRB GCMP to prepare and submit Class I ECPs. The Government may require additional testing for the proposed change at no additional cost to the Government.

C.4.3.4.3 Approved changes shall be incorporated by contract modification. In the event the change results in reduced cost to the Contractor, the change shall be the subject of an equitable reduction in the contract price. Any cost impact must be fully supported by the contractor, and the Government shall have the right to conduct post-change cost reviews.

C.4.3.4.4 Configuration changes under this contract shall not relieve the Contractor of the responsibility to conform to the delivery requirements of this contract.

C.4.3.5 Class I Engineering Changes. Government Directed.

C.4.3.5.1 In the event the Government desires a change to the IRB configuration, the PCO shall notify the Contractor through a request for technical and price proposal from the Contractor. It is understood that the engineering costs associated with ECP preparation are allowable and allocable to the ECP.

C.4.3.5.2 Copies of ECPs shall be submitted in the same manner as Contractor requested Class I Engineering Changes.

C.4.3.6 Value Engineering Change Proposals (VECPs). The Contractor shall prepare VECPs in the same manner as Class I ECPs.

C.4.3.7 The Contractor shall continue to assign the ECP number the same way used in the previous contract. The Contractor shall maintain records of where and when each ECP number was used.

C.4.3.8 Request for Deviation (RFD)

C.4.3.8.1 Definitions:

DEVIATION: Is a temporary departure from requirements and does not constitute a change to the approved configuration. The authorized deviation is for a specific number of units or a specified period of time. Where it is determined that a change should be permanent, a Class I or Class II engineering change must be processed.

C.4.3.8.2 When deviations to ATPD-2277, or any other contract requirements are considered necessary by the contractor, an RFD shall be

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prepared and submitted in accordance with CDRL A004 and CDRL A005 respectively. The Government reserves the right to seek adequate consideration for approved RFDs. All major and critical Requests for Deviation shall be annotated by the Contractor to reflect actual production effectivity point by IRB serial/registration number and dates, and then submitted to the PCO for approval. All RFDs shall be submitted to the PCO for approval.

C.4.3.8.3 Contractual changes can only be made by the PCO.

C.5 Transportability

The contractor shall update the Transportability Report of the previous contract and deliver it IAW CDRL A006 delivered if transportability characteristics of the IRB change.

C.6 Training

C.6.1 Training Requirements. The Contractor shall provide technically qualified instructors, training and instructional material related to training courses for Government identified personnel on Operation and Maintenance for the IRB.

C.6.2 Training Plan Outline and Training Material Deliverables

C.6.2.1 Training Plan Outline. The Contractor shall update the approved training plan used in the previous contract and provide it to Government for review and approval. Once the updated training plan is approved, it will be used for the entire contract period.

C.6.2.2 Instructor Guides. The Contractor shall prepare and deliver an Instructor Guide (IG) for both the Operator (OP) course and the maintenance (OP/Field) course (Reference DID DI-SESS-81523B and CDRL A007).

C.6.2.3 Student Guides. The Contractor shall prepare and deliver a Student Guide (SG) for both the Operator (OP) course and the maintenance (OP/Field) course (Reference DID DI-SESS-81523B and CDRL A007). Any ancillary training material used, i.e.: charts, diagrams, schematics, worksheets, etc. shall be included as part of the SG. In addition, the contractor shall provide a hard copy of Operator Manual (TM 5-5420-278-10) per student for Operator training and a hard copy of Maintenance Manual and RPSTL (TM 5-5420-278-24&P) per student for Maintenance training to the unit 30 days prior to each NET. (Reference A010)

C.6.3 Training Classes. The Contractor shall conduct training in accordance with the training plan. Class size for Operator training shall not exceed twenty (20) students. Test training shall be conducted as close as possible to start of respective tests.

C.6.3.1 Training Support Package (TSP). The Contractor shall prepare and deliver a TSP for the course (Reference DID DI-SESS-81523B and CDRL A007). The TSP will include as a minimum, program of instruction, lesson plans, multimedia presentation, diagnostics, and other training support products necessary to permit the unit to develop and conduct effective and efficient training upon completion of New Equipment Training.

C.6.4 NET Training Options. The individual class costs for both Operator and Maintenance NET are found in Section B of the Contract. It is the intent of the Government to call up both the Operator and Maintenance NET at the same time.

C.6.5 Contractor Technical Assistance. Contractor technical assistance to support IRB fieldings and training shall be provided by the use of Field Service Representative (s) who shall advise and make recommendations to orient and instruct Government identified personnel with respect to operation, inspection, maintenance, repair, engineering support, de-processing support and contractor parts support. Such representatives shall be thoroughly experienced and qualified to perform the technical assistance required. It shall require an FSR for 45 days per each fielding for deprocessing and NET. It also may require an additional FSR for 90 days per year. The Attachment 003 shows the scheduled fielding of the IRB thru FY11.

C.7 LOGISTICS SUPPORT

C.7.1 Integrated Logistics Support (ILS) Program. The contractor shall have an ILS Program as an integral part of the IRB effort.

C.7.1.1 ILS Objectives. ILS program objectives are:

C.7.1.1.1 To identify and implement design improvements to improve safety of the system operators and maintainers, improve ease of maintenance, and increase reliability.

C.7.1.1.2 To analyze the system design and create the most cost efficient logistics support package and maintenance plan.

C.7.1.1.3 To accurately identify and document all the logistics support resources required to operate and maintain the system.

C.7.1.1.4 To update the Logistics Support Package, to incorporate engineering changes, to include updated vendor information, and correct errors.

C.7.1.1.5 To create and deliver Logistics Support Products to support test and fielding.

C.7.1.2 IRB Operation and Support (O&S) Cost Reduction Strategy. The Contractor shall establish an O&S cost baseline for the 20 year expected life of the IRB if there is any major hardware change introduced to the system. This cost baseline shall consider initial hardware cost and projected costs for initial fielding, initial training, follow-on training, repair parts, maintenance labor costs for scheduled and unscheduled maintenance. The contractor shall present the cost baseline and their anticipated methodology for identifying O&S Cost reduction targets at a IRB IPT for IPT review and approval.

C.7.1.2.1 At the following IRB IPT the contractor shall present his O&S Cost reduction strategy using the methodology presented in the previous IPT. Following that presentation and at subsequent IPTs the contractor shall provide an analysis of proposed changes to the hardware and/or the maintenance plan that will improve (reduce) the IRBs life cycle cost. The presentation of these changes shall include both a rough order of magnitude estimate of the cost of implementing these changes and the expected savings.

C.7.1.2.2 Proposed changes to improve the IRB O&S Cost may be generated by any and all members of the IRB IPT. The contractor shall make an independent evaluation of his own design and maintenance plan and propose changes. Targets of opportunity the contractor may consider are the scheduled maintenance program (PMCS), Reliability of essential parts and components, Maintainability characteristics of the design, repair versus discard decisions on components and sourcing and Stockage policies on repair/spare parts and other costs related to the contractors parts support program.

C.7.2 Maintenance Planning. The Government plan for maintaining the IRB requires establishing the capability to perform all Field and Sustainment Maintenance within the Organic Army units. The contractor will perform maintenance beyond these two levels of support. See paragraph C.9. The contractor shall be responsible for developing a recommended allocation of IRB maintenance tasks within the Army

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maintenance structure, subject to Government approval.

C.7.3 Logistic Management Information-Provisioning. The contractor shall continue to maintain and update the existing Provisioning Master Record (PMR) database developed under contract DAAE07-00-C-S014 and updated under contract W56HZV-05-D-0056. (A copy of the PMR is in the possession of both the Government and the Contractor.) For guidance see Engineering Data for Provisioning DI-ILSS-81289. Incomplete PLISN records shall be deemed not-acceptable.

C.7.4 Provisioning Objective: To provide the Government with current, accurate and acceptable data IAW Exhibit C, Logistics Management Information (LMI) Data Product Delivery. The contractor may use a commercial LSAR system based on MIL-STD 1388-2A in place of an LMI system based on MIL-STD 1388-2B. Provisioning effort shall include, but not be limited to, all approved ECPs, VECs, parts changes, supporting Engineering Data for Provisioning (EDFP), and the Anchorage System. The PMR PCCN CP0008, PCC EIB and ERB shall reflect the most current production configuration and component information. LMI Provisioning data may be submitted using PPL-LSA-036 Report format for all items during provisioning reviews.

C.7.5 Provisioning Data Quality Assurance: Government Acceptance of provisioning data delivered under the provisions of this contract will be based upon the guidance contained in the Quality Assurance Provisioning Guidance Book (QAPG) and this SOW.

C.7.6 Provisioning Reviews shall be scheduled based on the number of data available for review. A typical conference will comprise no more than 500 data, or Provisioning List Item Sequence Numbers (PLISNs), however, review conferences may be called by either the contractor or Government as the situation demands.

C.7.7 The contractor shall have available the following at each provisioning conference for review:

C.7.7.1 Two paper copies of the LSA-036 Summary. Provisioning Parts List (PPL) format is acceptable.

C.7.7.2 Copy of acceptable EDFP for each component, sub-assembly or assembly listed on the LMI Data Product Report that does not have an NSN. Electronic media may be substituted in lieu of paper copies.

C.7.7.3 A copy of the Pre-Procurement screening results. Electronic media may be substituted in lieu of paper copies.

C.7.7.4 A copy of each installation or assembly drawing within which the part appears. Electronic media may be substituted in lieu of paper copies.

C.7.7.5 A composite CD-ROM, comprising the PPL, Screening and EDFP (all in PLISN sequence) shall be submitted at the conclusion of the Provisioning Review.

C.7.8 Logistics Management Information - Data Products/Provisioning Parts List (PPL). (DI-ALSS-81529 CDRL A008). The PPL submittal shall be compliant with the requirements of MIL-STD 1388-2B, in the form of a LSA 036 report suitable for delivery and use without necessity for modification to either data elements, data files or the data system.

C.7.9 The contractor shall provide Engineering drawing support for each individual part or tool sufficient to support the Government's cataloging effort, as defined below.

C.7.9.1 All text shall be in the English language.

C.7.9.2 Characteristic or dimensional data, if not in English, shall have appropriate English conversion.

C.7.9.3 Each drawing shall have the associated PLISN annotated on the drawing.

C.7.9.4 Drawings shall be submitted in PLISN sequence.

C.7.9.5 Sub-assembly or assembly drawings shall not be deemed adequate for individual component provisioning, unless the manufacturer or supplier, claiming proprietary privilege, refuses to produce an individual component drawing. In the event this privilege is invoked, a letter of refusal, under company letterhead, shall accompany the drawing submittal.

C.7.9.6 All proprietary data shall be appropriately annotated and may be marked "For Provisioning Purpose Only". Likewise any Source Control, Altered Item, Specification Control or Engineering approval required drawing, shall be appropriately annotated.

C.7.9.7 EDFP shall be evaluated during provisioning reviews. Unacceptable EDFP shall be corrected within 30 working days after notice of rejection.

C.7.10 Logistic Management Information - Summaries/Pre-Procurement Screening (DI-ALSS-81530, CDRL A009) the contractor shall conduct pre-procurement screening for all items to be provisioned.

C.7.10.1 If an item is known to be a non-U.S component, the NATO Master Cross Reference List (MCRL) shall also be used for screening purposes.

C.7.10.2 Screening shall be accomplished using known or accepted programs, the Federal Logistics Information Service (FLIS) is preferred and has a public search capability.

C.7.10.3 Engineering drawings are not required for items screened and found to have a valid National Stock Number (NSN). In the event that a NATO Stock Number is available, screening results shall be provided.

C.7.10.4 Substitutes for drawings, such as commercial catalogs or catalog descriptions, sketches or photographs with descriptions or dimensions, material, mechanical, electrical or other descriptive characteristics will be evaluated on a case by case basis. Please see Exhibit C which shows the Minimum Provisioning Data Requirements Data Record H and H1.

C.7.10.5 Order of precedence for establishing the validity of an NSN is based upon compatibility between the Reference Number Category Code (RNCC) and Reference Number Variation Code (RNVC) as depicted below:

C.7.10.5.1 Any 2/2 reference

C.7.10.5.2 Any 3/2 reference

C.7.10.5.3 In the absence of an (a) or (b) reference, a 5/2 reference may be used.

C.7.10.5.4 Particular attention shall be applied to the Acquisition Advice Code (AAC) of the NSN. Any NSN depicted with an AAC of V or Y shall not be acceptable.

C.7.11 The contractor shall ensure that all submitted LMI Data Products are compatible with the TACOM Commodity Command Standard System (CCSS). The data shall be capable of being loaded into the PMR without any modification to the data, data file or system. Electronic submission of data is preferred. Portable Document File (.pdf) format is preferred.

C.7.12 The contractor shall correct rejects within 30 working days after Government notification of rejected data.

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C.8 Technical Manuals. The purpose of this Technical Manual effort is to maintain and update the existing manuals developed under contract DAAE07-00-C-S014: to incorporate all design/logistic changes that have occurred under contract W56HZV05D0056 and occurring throughout the duration of this contract.

C.8.1 The Contractor shall maintain and update, to include the Anchorage System information. The following Technical Manuals to support the IRB:

C.8.1.1 TM 5-5420-278-10 Operators Manual

C.8.1.2 TM 5-5420-278-24&P Unit, Direct Support, and General Support Maintenance Manual

C.8.1.3 IRB Smart Book

C.8.2 A maintenance task or operators procedure shall contain:

C.8.2.1 References to any other manuals or publications required to perform the task or procedure

C.8.2.2 A reference to the appropriate illustration in the parts manual;

C.8.2.3 Equipment preconditions

C.8.2.4 Illustrations as needed to support the task or procedure being performed

C.8.3 Changes to the contractor's Parts Manual shall illustrate and provide a tabular listing of all assemblies, subassemblies, components and individual repair parts of the IRB. The tabular listing or the parts manual shall include Figure number, item number, Nomenclature, SMR Code, part number, CAGE Code, NSN, quantity per application and in the case of common hardware, size information.

C.8.4 TM Change Scope of Work to the Technical Manual

C.8.4.1 The contractor shall continue to plan and manage an IRB ILS program, developing and delivering a change package to the existing IRB logistics products (Technical Manuals, Parts Provisioning Data and Training Package).

C.8.4.1.1 Changes to update logistics products to the current IRB Production Configuration baseline (Configuration Lock at the end of previous contract(s), DAAE07-00-C-S014 and W56HZV-05-D-0056). This shall include the addition of the Anchorage System information.

C.8.4.1.2 Changes to update the logistics products to the FMECA/Task List review.

C.8.4.1.3 Changes to update logistics products to the approved Contractor Repair (LL) items list.

C.8.4.1.4 Changes due to Block upgrades by ECPs or safety modifications.

C.8.4.2 The contractor shall generate a revised task list based on C.8.4.1.1, C.8.4.1.2 and C.8.4.1.3. The contractor shall present the revised task list to the Government for review and approval NLT 28 days after award of this scope of work. The task list approved at this review will be the basis for all logistic product updates to follow.

C.8.4.3 Upon approval of the revised task list, the contractor shall perform a review of the current Bill of Material (BOM) (Configuration Lock) and the current Parts Master Record (PMR) and determine all the efforts required to synchronize the BOM, MAC and PMR. The contractor shall present his list of proposed changes to the Government at a Logistics IPR NLT 28 days after approval of the revised task list. The agreed upon results of this meeting shall define the logistics change package. The contractor shall update the IRB MAC according to the results of the FMECA developed task list.

C.8.4.4 Based on the above effort the contractor shall update IRB provisioning to document the configuration change. The contractor shall incorporate extended provisioning nomenclature to improve parts identification on the L card.

C.8.4.4.1 The contractor shall present these changes at a provisioning conference (complete with all documentation required by the existing contract.) This conference shall be held 60 days after the Logistics IPR (C.8.4.3).

C.8.4.4.2 The contractor shall update the provisioning documentation based on the comments provided at the provisioning conference and deliver a corrected LSA 036, and required provisioning drawings and other data 30 days after completion of the conference.

C.8.4.4.3 At the conclusion of the change effort (completion of technical manuals), the contractor shall update the PMR to incorporate figure and item number information for all items contained in the changed IRB Repair Parts Special Tools Manual (RPSTL).

C.8.4.5 The contractor shall update the existing IRB manuals to the configuration change. In preparing these Technical manual changes the contractor may employ MIL STD 40051A and MIL Handbook 1222 as guidance. At the conclusion of the TM update effort the contractor shall hyperlink IRB technical manual elements.

C.8.4.5.1 The contractor shall generate a change to the IRB Operators Manual (-10) to:

C.8.4.5.1.1 Document the configuration change and deliver a list of proposed changes to the -10 manual for approval

C.8.4.5.1.2 Update appendices to cover Components of the End Item (COEI), Basic Issue Items (BII), Government furnished Additional Authorized Items List (AAL) and Expendable/ Durable items List

C.8.4.5.1.3 Update the MAC

C.8.4.5.1.4 Nomenclature in -10 should match -24&P.

C.8.4.5.2 Contractor will deliver a list of proposed TM changes no later than 2 weeks at the completion of the provisioning conference.

C.8.4.5.3 The Contractor shall deliver two (2) paper copies and a .pdf file of each of the changed IRB manuals (-10, -24 & P).

C.8.4.6 The contractor shall generate a change to the existing IRB training package to document the configuration change. The contractor shall deliver a draft Program of Instructions (POI) 14 days prior to the start of TM validation/verification and the final changed training materials for review 14 days after the completion of the TM validation/verification. The contractor shall incorporate comments made to the changes and deliver final materials 14 days after the review.

C.8.4.7 During the course of this effort, the contractor shall employ a tracking system to record potential future changes to the logistics products (changes beyond the March 2003 configuration). These changes may include design changes, test recommendations, improvements as a result of field inquiries, and identification of shortfalls or errors in the current product. This tracking system will be used to define and schedule the next IRB Logistics change package. This configuration catalog shall be in MS Excel format that details all changes made under contracts DAAE07-00-C-S014 and W56HZV-05-D-0056.

C.8.4.8 A delivery schedule for the IRB Logistics changes shall be established at the start of work meeting.

C.8.5 TM Validation/Verification.

C.8.5.1 The contractor shall be responsible to validate all the changes contained in each of the IRB Technical Manuals. The contractors validation process will ensure that all data provided is accurate, complete and facilitates the most efficient performance possible on each maintenance task. The Government will verify the manuals concurrently by observing and participating in the validation

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process. The Government will identify TM information that shall receive hands on validation/verification prior to the beginning of the Verification.

C.8.6 Technical Manual Delivery: The contractor shall deliver a reproducible camera-ready copy and two sets (each on their own CD-ROMs) of electronic .pdf files of all changes to the manuals as specified in CDRL A010. The .pdf delivery shall be identical to the camera ready hard copy. The camera-ready deliveries will be used for official government printing and copies will be provided to the contractor.

C.9 Contractor Life Cycle Parts Support.

C.9.1 Contractor Parts Identification: The contractor shall identify all potential repair and replacement parts of the IRB using Microsoft Office compatible spreadsheet format. The contractor shall include the following data elements in this spreadsheet; Part Nomenclature, Part Number, Contractor and Government Entity (CAGE) Code, known sources of supply, Source, Maintenance and Recoverability (SMR) Code based on:

C.9.1.1 Source Code (1st and 2nd character) - the contractor's estimation as to how the component is to be obtained or made available by the supply system.

C.9.1.2 Maintenance Code (3rd and 4th character - contractor's recommendation which U.S. Army organic maintenance entity has the capability to use, remove, install and perform minor maintenance on the component and which entity has the capability to affect complete repair of the component.

C.9.1.3 Recoverability Code (5th character) - contractor's recommendation as to which U.S. Army organic maintenance entity should dispose of the component.

C.9.1.4 Current or best estimated price of the component. In developing the price the contractor shall consider optimizing competition. The price shall include the base price of the part, packaging, marking and shipping the part. The contractor shall establish a parts inventory sufficient to allow filling and shipping 85% of the parts requested within 3 days of receipt of the request. The contractor shall continue to update the list on a semiannual basis throughout the life of this contract.

C.9.2. The Contractor and the Government will negotiate a separate contract agreement for parts support of the IRB utilizing contractor direct delivery to the user. The goal of the Government is to employ Contractor parts support throughout the service life of the IRB, a minimum of 20 years.

C.10 Standard Warranty for IRB Bays

C.10.1 Materiel and Workmanship Warranty. Whether or not the Government has inspected and accepted supplies furnished under this contract, the contractor shall warrant that the supplies and services are free from defects in material and workmanship, and conform to the specifications and other requirements of this contract.

C.10.1.2 The basic IRB System warranty shall be effective for 13 months from the date of hand-off. The date of hand-off shall be defined by the date of hand-off to the gaining U.S. Army unit (DA Form 3161 shall document the date of hand off). The contractor shall provide greater pass through warranty coverage on components, to the extent that the contractor's suppliers customarily provide such greater coverage to their customers. Contractor shall provide this listings to the Government for inclusion into the Contract. The contractor may be required to store bays at the location of manufacture for up to two years at no charge to the Government in order for bridge bays to be fielded in unit sets of 30 interior bays and 12 ramp bays.

C.10.1.3 If new IRB bays (interior or ramp) are placed in storage at either contractor or Government facilities, before being put in service, the warranty period shall not start until each such IRB bay is withdrawn from that storage, or until nine months from the date shown on the Materiel Inspection and Receiving Report (DD Form 250); whichever occurs first.

C.10.1.4 If placed in contractor storage, the contractor shall maintain and exercise such stored IRB bays in accordance with the contractor's approved technical manual. Upon removal from storage, and before delivering the IRB bays to the Government, the contractor shall exercise and perform all PMCS tasks in accordance with the contractor's approved technical manual.

C.10.1.5 If placed in Government storage, the Government will exercise stored IRB bays in accordance with the contractor's approved technical manual. The Government shall notify the contractor before placing each such IRB bay in storage, and again at the time it is withdrawn. If there are any contractor-caused retrofits that must be applied to the IRB bays, the storage time does not start until those retrofits are completed.

C.10.1.6 For IRB bays designated as Manufacturing Standards, the warranty period shall start when the IRB bays are shipped to their final destination. However, Manufacturing Standard IRB bays shall be treated as IRB bays placed in contractor storage for purposes of maintenance in storage.

C.10.1.7 If a safety recall defect occurs during or after the warranty period, the contractor shall extend the warranty period until the necessary corrections are made.

C.11 System Safety.

C.11.1 Safety Engineering. The contractor shall consider and implement safety engineering principles in the system design. System design and operational procedures developed by the contractor shall consider but not be limited to the following:

C.11.1.1 Identifying hazards associated with the system by conducting safety analyses and hazard evaluations. Analysis shall include both operational and maintenance aspects of the vehicle along with potential interface problems with planned subsystems.

C.11.1.2 Eliminating or reducing significant hazards by appropriate design or material selection.

C.11.1.3 Controlling or minimizing hazards to personnel, this cannot be avoided or eliminated.

C.11.1.4 Locating equipment components and controls so that access to them by personnel during operation, maintenance or adjustments shall not require exposure to hazards such as high temperature, chemical burns, electrical shock, cutting edges, sharp points, or concentrations of toxic fumes above established threshold limit values. All moving parts, mechanical power transmission devices, exhaust system components, pneumatic components and hydraulic components which are of such a nature or so located as to be a hazard to operating or maintenance personnel; shall be either enclosed or guarded. Protective devices shall not impair operational functions.

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- C.11.1.5 Assuring that suitable warning and caution notes are included in instructions for operation, maintenance, assembly and repairs and distinct markings placed on hazardous components of equipment.
- C.11.1.6 Insuring that safety is considered for both operational and maintenance phases of the system.
- C.11.2 System Safety Program. To assure the safety objectives are achieved, the contractor shall maintain the System Safety Program that was developed in the prototype phase of the program.
- C.11.3 Hazard Identification
- C.11.3.1 The contractor shall provide information concerning newly identified hazards that have resulted either from hardware redesign or a reevaluation of the configuration that had undergone Government testing. These new hazards will be considered for inclusion into the Government Hazard Tracking System. As a minimum, the following information should be provided for each hazard:
- C.11.3.1.1 Description of each hazard, to include cause, possible effect, hazard category
- C.11.3.1.2 Status of each hazard
- C.11.3.1.3 Proposed corrective action
- C.11.3.2 The hazard information will be addressed at Integrated Product Team Meetings and included in the Safety Assessment and Health Hazard Assessment Reports as appropriate.
- C.11.4 Safety Assessment Report (SAR).
- C.11.4.1 The contractor shall update the Safety Assessment Report of the previous contract if there are any hardware changes due to ECPs/VECPs which impact the safety of the IRB system.
- C.11.5 Radioactive Material. Radioactive material will not be utilized in the equipment supplied to the Government under this contract.
- C.11.6 Health Hazard Assessment (HHA). The contractor shall update the Health Hazard Assessment Report for the IRB if there are any changes due to ECPs/VECPs which impact the health hazard of the IRB system.
- C.12 Manpower and Personnel Integration (MANPRINT)
- The contractor shall continue to maintain and execute a MANPRINT program to ensure the integration of the seven (7) MANPRINT domains, i.e. manpower, personnel, training, human factors engineering, system safety, health hazards, and soldier survivability in the design and design modification process. The MANPRINT program shall be planned and managed in such a manner that it will facilitate the greatest MANPRINT design influence to achieve total system (soldier and machine) performance. MANPRINT related design changes, accomplishments, and crew performance validations shall be addressed at appropriate IPT meetings.
- C.12.1 Manpower and Personnel. The contractor shall perform manpower and personnel analyses as a part of the design modification effort to determine implication of design change on the crew and maintainer workload. A required characteristic is to maintain crew and maintainer Military Occupational Specialty (MOS) skills and capabilities at or below those required by the target audience.
- C.12.2 Training. The contractor shall evaluate impact of design modification on training requirement for the crew and maintainer. Any additional training requirement shall be addressed at appropriate IPT meetings and shall be included in the training plan.
- C.12.3 Human Factors Engineering (HFE). Any modification made to the IRB system shall be made in accordance with ATPD 2277 assuring that the soldier-machine interface (SMI) is not compromised for effective operation and maintenance by full range of user personnel (5th percentile female through 95th percentile male) while they are wearing the full range of protective clothing (including arctic and Mission Oriented Protective Posture (MOPP IV)). The contractor shall identify critical human performance issues associated with the SMI and address them during appropriate IPTs.
- C.12.4 Soldier Survivability (SSV). The contractor shall evaluate any design change made to the IRB design for impact on the Soldier Survivability. Any issues or concerns related to the SSV shall be discussed during appropriate IPTs.
- C.13 Scope of Work for Class I ECP.
- C.13.1 The contractor shall perform a Failure Modes, Effects and Criticality Analysis (FMECA) on all Class 1 ECPs pertaining to hardware. The results of the FMECA must support development of IRB maintenance task frequencies, maintenance man-hour projections and maintenance parts consumption projections.
- C.13.2 The contractor shall calculate the projected IRB reliability/availability based on the numbers developed in the FMECA.
- C.13.3 The Contractor shall present the results of the FMECA and the resulting task list evaluation to the Government at an IPT, location TBD, prior to making block upgrades to the production configuration.
- C.14 Contractor deployed Field Service Representative.
- C.14.1 Contractor deployed Field Service Representative(s) would be deployed to Korea and Kuwait.
- C.14.1.1 The contractor shall provide one (1) Field Service Representatives to each unit receiving IRB at Continental United States (CONUS) and Outside Continental United States (OCONUS) locations as required. The Contracting Officer or his representative will provide exact locations to the contractor under separate letter. The contractor is responsible for providing all clothing, equipment (tools, and special tools), lodging and transportation required for performance of repair, training and special needs of the units to support the Improved Ribbon Bridge for a period of up to one year from date of incorporation in to the contract. The contractor may be required to provide Field Service Representative(s) in support of operations described below. The contractor can refer to AMC-P 715-18 entitled AMC Contracts and Contractors Supporting Military Operations for further explanation. The Government at the discretion of the Contracting Officer or his representative may decide to provide some items of support as detailed below at the direction of the Theatre Commander or his representative.
- C.14.1.2 The IRB is employed in a support role and expected to be behind combat units. The contractor will be required to perform maintenance tasks either directly at a bridge site (again, to the rear of combat units in direct combat operations) or even farther to the rear in maintenance collection points and semi-fixed/fixed sites. The contractor will be required to be well behind the forward line of troops or combat units (near the rear of the Division) and would not be in direct contact with ground/air assaults and those combat units engaging in the actual fight. The contractor may perform their support services as far forward as needed, on a temporary

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basis, consistent with the terms of the contract and the tactical situation. If contractor personnel are requested to move forward closer to the front-line combat units, they will have the right to refuse or decline to move forward.

C.14.1.3 In the event that the contractor deploys individuals into the area of operations in support of a contingency or exercise, the following items and conditions will apply.

C.14.1.3.1 Management

C.14.1.3.1.1 The contractor shall ensure that all contractor employees will comply with all guidance, instructions, and general orders applicable to U.S. Armed Forces and DOD civilians and issued by the Theater Commander or his representative. This will include any and all guidance and instructions issued based upon the need to ensure mission accomplishment, force protection and safety.

C.14.1.3.1.2 The contractor shall comply, and shall ensure that all deployed employees and agents comply, with pertinent Department of Army and Department of Defense directives, policies, and procedures, as well as federal statutes, judicial interpretations and international agreements (e.g., Status of Forces Agreements, Host Nation Support Agreements, etc.) applicable to U.S. Armed Forces or U.S. citizens in the area of operations. Disputes will be resolved by the Contracting Officer.

C.14.1.3.1.3 The contractor shall take reasonable steps to ensure the good conduct of its employees. The contractor shall promptly resolve, to the satisfaction of the Contracting Officer, all contractor employee performance and conduct problems identified by the cognizant Contracting Officer or his designated representative.

C.14.1.3.1.4 The Contracting Officer may direct the contractor, at the contractors expense, to remove or replace any contractor employee failing to adhere to instructions and general orders issued by the Theater Commander or his designated representative.

C.14.1.3.2 Accounting for Personnel

C.14.1.3.2.1 As directed by the Contracting Officer or his representative, the contractor shall report its employees entering and leaving the area of operations.

C.14.1.3.2.2 As directed by the Contracting Officer or his representative, the contractor shall report its employees in the area of operations by name and by location.

C.14.2 Logistics Support Element

C.14.2.1 The contractor shall place all employees deploying to support this contract under administrative control of the designated Logistics Support Element.

C.14.2.2 The Contracting Officer or his representative (in coordination with the Logistics Support Element Commander) shall provide the contractor with all required reporting instructions and procedures.

C.14.3 Risk Assessment and Mitigation

C.14.3.1 The contractor will brief its employees regarding the potential danger, stress, physical hardships and field living conditions.

C.14.3.2 The contractor will require all its employees to acknowledge in writing that they understand the danger, stress, physical hardships and field living conditions that are possible if the employee deploys in support of military operations.

C.14.3.3 The contractor will conduct physical and medical evaluations of all its deployable employees at their own expense to ensure that they are capable of enduring the rigors of deployment in support of a military operation.

C.14.3.4 The contractor will replace employees within 72 hours, or as directed by the Contracting Officer, at contractor expense, if the employee departs an area of operations without written permission from the Contracting Officer.

C.14.3.5 The contractor will designate a point of contact for all of its plans and operations.

C.14.3.6 The contractor will establish an operations center to plan and control contractor deployment process and resolve operational issues with the deployed force.

C.14.3.7 The contractor will prepare plans for support of military operations as required by contract or as directed by the Contracting Officer.

C.14.3.8 For badging and access purposes, the contractor will provide the Army with a list of suitable or qualified subcontractors including local vendors in an area of operations.

C.14.3.9 As required by the operational situation, the Government will relocate contractor personnel (who are citizens of the United States, aliens resident in the United States or third country nationals, not resident in the host nation) to a safe area or evacuate them from the area of operations.

C.14.4 Funding

The contractor will provide a cost estimate within 24 hours of a tasking by the Contracting Officer, or other time period as determined by the Contracting Officer.

C.14.5 Force Protection

The Army will provide force protection to contractor employees commensurate with that given to Department of the Army civilians.

C.14.6 Legal Assistance

While contractor employees are processing for deployment at the CONUS Replacement Center (CRC) or deployed in the theater of operations, the Government shall provide legal assistance in accordance with the following conditions:

C.14.6.1 The legal assistance is in accordance with applicable international or host nation agreements.

C.14.6.2 The legal assistance is limited and ministerial in nature (for example, witnessing signatures on documents and providing notary services), legal counseling (to include review and discussion of legal correspondence and documents), and legal document preparation (limited to powers of attorney and advanced medical directives), and help retaining non-DoD civilian attorneys.

C.14.7 Central Processing and Departure Point

C.14.7.1 For any contractor employee determined by the Government at the deployment processing site to be non-deployable for any reason, the contractor shall promptly remedy the problem. If the problem cannot be remedied in time for deployment, a replacement having equivalent qualifications and skills shall be provided in time for a scheduled deployment.

C.14.7.2 The Contracting Officer shall identify to the contractor all required mission training and the location of the required training.

C.14.7.3 The contractor shall ensure that all deploying employees receive all required mission training and successfully complete the

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training.

C.14.7.4 The Contracting Officer shall inform the contractor of all Nuclear, Biological, and Chemical (NBC) equipment and Chemical Defensive Equipment (CDE) training requirements and standards.

C.14.7.5 The Government shall provide the contractor employees with CDE familiarization training commensurate with the training provided to Department of Defense civilian employees.

C.14.7.6 The contractor will provide chemical defense equipment and training for dependents, who accompany its employees to Korea and other areas of operations as designated by the Contracting Officer.

C.14.8 Standard Identification Cards

C.14.8.1 The Contracting Officer shall identify to the contractor all identification cards and tags required for deployment.

C.14.8.2 The Contracting Officer shall inform the contractor where the identification cards and tags are to be issued.

C.14.8.3 The Contracting Officer shall coordinate for issuance of required identification cards and tags for all contractor employees not processing through a CONUS Replacement Center.

C.14.8.4 The contractor shall ensure that all deploying individuals have the required identification tags and cards prior to deployment.

C.14.8.5 Upon redeployment, the contractor will ensure that all issued controlled identification cards and tags are returned to the Government.

C.14.9 Medical

C.14.9.1 The Contracting Officer shall provide the contractor with all physical and medical requirements and standards necessary for deployment.

C.14.9.2 The contractor shall be responsible for providing employees who meet the physical standards and medical requirements for job performance in the designated theater of operations.

C.14.9.3 The Government may require medical screening at the CONUS Replacement Center to include DNA sampling and immunizations.

C.14.9.4 For any contractor employee determined by the Government to be non-deployable, the contractor shall promptly remedy the problem. If the problem can not be remedied, a replacement having equivalent qualifications and skills shall be provided as determined

by the Contracting Officer.

C.14.9.5 When applicable, the Government shall provide to contractor employees deployed in the theater of operations, on a cost reimbursable basis, emergency medical and dental care commensurate with the care provided to Department of Defense civilian deployed in the theater of operations.

C.14.10 Clothing and Equipment Issue

C.14.10.1 The contractor shall ensure that contractor employees possess the necessary personal clothing and safety equipment to execute contract performance in the theater of operations in accordance with the statement of work.

C.14.10.2 The Government shall provide to the contractor all required military unique organizational clothing and individual equipment. (Types of organizational clothing and individual equipment may include Nuclear, Biological, and Chemical defensive equipment.)

C.14.10.3 The Contracting Officer shall identify to the contractor the organizational clothing and individual equipment issue point and issue items.

C.14.10.4 Upon receipt of organizational clothing and individual equipment, the contractor shall assume responsibility and accountability for these items.

C.14.10.5 The contractor or contractor employee shall sign for all issued organizational clothing and individual equipment, thus, acknowledging receipt and acceptance of responsibility for the proper maintenance and accountability of issued organizational clothing and individual equipment.

C.14.10.6 The contractor shall ensure that all issued organizational clothing and individual equipment is returned to the Government. Upon return of organizational clothing and individual equipment to the Government, the contractor shall be responsible for requesting, maintaining, and providing to the Contracting Officer documentation demonstrating the return of issued organizational clothing and individual equipment to Government control.

C.14.10.7 The Contracting Officer will require the contractor to reimburse the Government for organizational clothing and individual equipment lost or damaged due to contractor negligence.

C.14.11 Weapons and Training

C.14.11.1 The Government may choose to issue weapons for self-defense to the contractor employees. Acceptance of weapons by contractor employees is at the discretion of the contractor and the contractor employees. When accepted, the contractor employee is responsible for using the weapon in accordance with the rules of engagement issued by the Theater Commander. The contractor employee is legally liable for any use that is not in accordance with the rules of engagement. Also when accepted, only military issued ammunition may be used in the weapon.

C.14.11.2 Prior to issuing any weapons to contractor employees, the Government shall provide the contractor employees with weapons familiarization training commensurate to training provided to Department of Defense civilian employees.

C.14.11.3 The contractor shall ensure that its employees adhere to all guidance and orders issued by the theater Commander or his representative regarding possession, use, safety and accountability of weapons and ammunition.

C.14.11.4 Upon redeployment or notification by the Government, the contractor shall ensure that all Government issued weapons and ammunition are returned to Government control.

C.14.11.5 Contractors will screen employees to ensure that employees can be issued a weapon in accordance with U.S. law (e.g., no felony conviction for any reason and no misdemeanor Conviction for spousal abuse) or applicable host nation laws.

C.14.12 Vehicle and Equipment Operation

C.14.12.1 The contractor shall ensure that deployed employees possess the required civilian licenses to operate the equipment necessary to perform the contract in the theater of operations in accordance with the statement of work.

C.14.12.2 Before operating any military owned or leased equipment, the contractor employee shall provide proof of license (issued by an appropriate Governmental authority) to the Contracting Officer or his representative.

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- C.14.12.3 The Government, at its discretion, may train and license contractor employees to operate military owned or leased equipment.
- C.14.12.4 The contractor and its employees may be held jointly and severally liable for all damages resulting from the unsafe or negligent operation of military owned or leased equipment.
- C.14.13 Passports, Visas and Customs
- C.14.13.1 At the contractor employees and/or contractors expense, the contractor employees shall obtain all passports, visas, or other documents necessary to enter and/or exit any area(s) identified by the Contracting Officer.
- C.14.13.2 All contractor employees shall be subject to the customs processing procedures, laws, agreements and duties of the country in which they are deploying to and the procedures, laws, and duties of the United States upon re-entry.
- C.14.13.3 The Contracting Officer will determine and stipulate the allowability and allocability of payment for entry/exit duties on personal items in possession of contractor employees.
- C.14.14 Reception, Staging, Onward Movement and Integration
- C.14.15 Living under Field Conditions
- Upon arrival in the area of operations, contractor employees will receive Reception, Staging, Onward movement and Integration, as directed by the Contracting Officer or his designated representative. The Government shall provide to contractor employees deployed in the theater of operations the equivalent field living conditions, subsistence, emergency medical and dental care, sanitary facilities, mail delivery, laundry service, and other available support afforded to Government employees and military personnel in the theater of operations, unless otherwise specified in the contract.
- C.14.16 Morale, Welfare, Recreation
- The Government shall provide to contractor employees deployed in the theater of operations, morale, welfare, and recreation services commensurate with that provided to Department of Defense civilians and military personnel deployed in the theater of operations.
- C.14.17 Status of Forces Agreement
- C.14.17.1 After having consulted with the servicing legal office, the Contracting Officer shall advise the contractor on all applicable Status of Forces Agreements (SOFA) and other similar related agreements.
- C.14.17.2 The contractor shall adhere to all relevant provisions of the applicable Status of Forces Agreements (SOFA) and other similar related agreements.
- C.14.17.3 In the event the contractor must pay additional compensation above that contemplated under the contract, to retain or obtain personnel to perform in a theater of operations during a declared contingency, the contractor shall be entitled to an equitable adjustment under this contract. The contractor shall furnish proper data to the Contracting Officer to substantiate any adjustment to the contract. Failure to agree to an amount of any such adjustment shall be a dispute within the meaning of the clause entitled Disputes as contained in this contract.
- C.14.17.4 To ensure continuation of essential services, the contractor shall structure pay of deployed employees such that half the compensation is in the form of a bonus for successfully completing the assigned tour. However, the bonus will not be denied because death or because of Government or opposing force actions, including Government ordered evacuation or captivity by opposing forces.
- C.14.18 Tour of Duty/Hours of Work
- C.14.18.1 The Contracting Officer shall provide the contractor with the anticipated duration of the deployment.
- C.14.18.2 The contractor may rotate contractor employees into and out of the theater provided there is not degradation in mission results.
- C.14.18.3 The Contracting Officer shall approve in advance all changes to personnel.
- C.14.18.4 The Contracting Officer shall provide the contractor with the anticipated daily or weekly work schedule.
- C.14.18.5 The contractor shall comply with all duty hours and tours of duty identified by the Contracting Officer or his designated representative.
- C.14.18.6 The Contracting Officer, or his designated representative, may modify the work schedule to ensure the Governments ability to continue to execute its mission.
- C.14.19 On-Call Duty
- C.14.19.1 The contractor shall be reasonably available to work (i.e., on-call) during other than regular hours to perform high priority tasks.
- C.14.19.2 The Contracting Officer, or his designated representative, will identify the parameters of reasonable availability and all remuneration for on call duty.
- C.14.20 Health and Life Insurance
- The contractor shall ensure that health and life insurance benefits provided to its deploying employees are in effect in the theater of operations.
- C.14.21 Next of Kin Notification
- Before deployment, the contractor shall ensure that each contractor employee completes a DD Form 93, Record of Emergency Data Card, and returns the completed form to the Contracting Officer's representative or designated Government official.
- C.14.22 Return Procedures
- C.14.22.1 Upon notification of redeployment, the Contracting Officer shall authorize contractor employee travel from the theater of operations to the designated CONUS Replacement Center (CRC) or individual deployment site.
- C.14.22.2 The contractor shall ensure that all Government-issued clothing and equipment provided to the contractor or the contractors employees are returned to Government control upon completion of the deployment.
- C.14.22.3 The contractor shall provide the Contracting Officer with documentation, annotated by the receiving Government official, of all clothing and equipment returns.
- C.14.23 Reporting Requirements. The contractor shall provide on a monthly basis in contractor format the costs incurred by the contractor for Field Service Support. This report shall detail, labor costs (including overtime), travel, supplies, and other costs. The contractor shall notify the Contracting Officer when expenditures for this effort reach seventy (70) percent of the amount funded via electronic mail. In no event is the contractor authorized to spend more money than is obligated in Section B. The Contracting

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Officer at his discretion may increase the amount of money available based on the notice provided by the contractor. This report shall be provided to the Contracting Officer electronically.

C.14.24 The contractor FSR shall provide IRB instructions, guidance and on the ground service support to execute IRB bay long term storage preparations. Services required include, but are not limited to the removal of all external rubber hoses. The contractor shall direct and assist with the removal of identified IRB ramp bay hoses to mitigate the potential for ultra violet light ray degradation during periods of long term unprotected outdoor storage. The contractor shall provide guidance, direction and assistance with the application of long term lubricants and or preservatives to specifically address all bay lower lock drive assemblies such as jack screws, trunions, locking pins, exposed contact points and any applicable relative bay hinge points. The contractor shall provide a means for the removal of outer pontoon drain plugs and installation of a one-way temporary disposal valve for each interior and ramp bay as applicable.

C.14.24.1 The contractor shall provide all Hardware required for the IRB De-processing effort to the FSR as necessary to complete the IRB bay long term storage preparations as described above. Hardware consists of:

- ASL/PLL
- ALUMINUM SHEETS PN: 02-701-0391
- SPECIAL TOOLS PN: 02-910-1111
- CONSUMABLES PN: 02-020-0105
- Gortex Plugs: PN: N/A
- Gortex Plug Adapters: PN: N/A
- Plastic Plugs PN: 90-973-4209
- IRB Tectyl PN: 660-723
- Storage Boxes PN: N/A

C.14.24.2 The contractor is required to provide all the hardware for the scope in C.14.24.

C.15 Parts Support During OCONUS Activities.

C.15.1 Parts Support During OCONUS Activities, reference CLIN 1013.

C.15.1.1 The contractor shall provide spare and repair parts as needed to support units deployed OCONUS for a period of up to one year from date of contract modification. This parts support is to support those items not available to units or the contractors Field Service Representative in the units ASL, the Governments SSP, or in the Government Supply System. The contractor agrees to provide all required parts within the following timelines:

C.15.1.1.1 Parts designated as Priority 1 within 24 hours, where ever possible, of order by either the unit or the contractors Field Service Representative, or

C.15.1.1.2 Parts designated as Priority 2 within 48 hours, where ever possible, of order by either the unit or the contractors Field Service Representative, or

C.15.1.1.3 Parts designated as Priority 3 within 72 hours, where ever possible, of order by either the unit or the contractors Field Service Representative. The contractor shall expedite delivery of required items using commercial air freight service or military transportation as directed by the Contracting Officer or his representative.

C.15.1.2 The contractor shall provide a priced catalog or other documentation as agreed to by the Contracting Officer and shall be an attachment to the contract. The contractor and Government agree to a maximum amount to be available for this support as specified in Section B. The contract shall notify the Contracting Officer when expenditures for this effort reach seventy (70) percent of the amount funded via electronic mail. The Email address is victor.vaughn@us.army.mil and to keith.powell@us.army.mil. In no event is the contractor authorized to spend more money than is obligated in Section B. The Contracting Officer at his discretion may increase the amount of money available based on the notice provided by the contractor.

C.15.1.3 The contractor shall provide a report in contractor format on the amount spend by month detailing the items ordered and the delivery times and cost. This report shall be provided electronically to the Contracting Officer.

C.16 Instructions in Regards to Contractor Travel Costs. The contractor shall submit its total estimated travel and per diem costs for each proposed trip to the PCO and the ACO. The PCO, by modification, will establish and fund a CLIN(s) for approved trips. The contractor within 30 days after completion of each trip will submit a DD250 invoice, using the appropriate CLIN, to the ACO for approval and subsequent payment by DFAS Columbus Center. The contractor shall attach a summary sheet broken down by person and appropriate category of expense for each CLIN with the DD250 invoice. All hard copies of receipts for incurred expenses will be maintained and kept by the contractor. The U.S. Government reserves the right to review these receipts at any time.

C.17 Item Unique Identification (IUID). The Contractor shall develop and assign IUID codes for components and assemblies in accordance with MIL-STD-130N. IUID labeling shall be applied to items in accordance with MIL-STD-130N. The Contractor shall use the following information in deciding which components and assemblies of the IRB shall be marked with an IUID tag: (1) Serially-managed modules and repairable parts with a unit cost of \$5,000 or more embedded within the end item; (2) Serially-managed modules and repairable parts with a unit cost of \$5,000 or more that are procured separately from the end item.

C.17.1 The scope of the IRB IUID shall only encompass the IRB system end items. The IRB system consists of an M16 IRB Ramp Bay (RB) and M17 IRB Interior Bay end items.

C.17.2 At a minimum, IUID codes shall be assigned and applied to all provisioned items with a value of at least \$5,000 and to the following items.

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Item Name	IUID Tags	NSN	P/N	Description
Ramp Bay	1	5420-01-470-5825	NA	Ramp Bay (RB)
*Ponton, Outer R.H.	1	NA	027500205	Right Half Outer Ponton
*Ponton, Outer L.H.	1	NA	027500207	Left Half Outer Ponton
*Ponton, Inner R.H.	1	NA	027500201	Right Half Inner Ponton
*Ponton, Inner L.H.	1	NA	027500203	Left Half Inner Ponton
Interior Bay	1	5420-01-470-5824	NA	Interior Bay (IB)
*Ponton, Outer	2	NA	027000205	Ponton, Outer
*Ponton, Inner	2	NA	027000203	Ponton, Inner
*Lever Manual Control	1	5340-12-356-7856	027501205	Lever, Manual Control

The Contractor shall use the following information in the development of the IUID label for the above items. Reference is made to Attachment 002 of this contract. This Attachment contains graphic representation of the IUID plates.

C.17.3 For any hardware change as a result of an ECP, the Contractor shall recommend and the Government concur on the determine of tag locations. As changes are made to the IRB, the Contractor shall use the above information in deciding if changes need to be made or revised to insure IUID tag marking.

C.17.4 The Cage Code, Part Number and Serial Number shall appear in both human readable and Bar Code formats. The 2D Data Matrix shall have the information in accordance with MIL-STD-130N with Change 1 which includes the following (but not limited to) as applicable.

C.17.4.1 Item Description

C.17.4.2 Unique identification consisting of Concatenated DoD unique item identification or DoD reorganized unique identification equivalent

C.17.4.3 Unique item identifier type

C.17.4.4 Issuing agency code (if DoD unique item identifier is used)

C.17.4.5 Enterpriser identifier (if DoD unique item identifier is used)

C.17.4.6 Lot or batch number

C.17.4.7 Original part number

C.17.4.8 Current part number

C.17.4.9 Current part number effective date

C.17.4.10 Serial number

C.17.4.11 Unit of measure

C.17.4.12 Governments unit acquisition cost

C.17.4.13 Ship-to code

C.17.4.14 Contractor CAGE number or DUNS number

C.17.4.15 Contract number

C.17.4.16 Contract line, sub-line, or exhibit line item number,

C.17.4.17 Acceptance code,

C.17.4.18 Shipment Date

C.18 The Contract requires an IRB Anchorage system that secures a 150 meter ribbon bridge enclosure using shore guys. Based on this requirement, the Contractor shall use the present IRB Anchorage system requirements as contained within this contract as a baseline. The Contractor shall develop an Anchor Kit to enable the IRB to be secured at a length of 210 meters using shore guys. The Government also desires that this length be extended to 300 meters.

C.18.1 The Contractor shall improve the present 150 meter anchor system to enable it to sustain an IRB with a length of 210 meters using shore guys. This shall be developed to be issued in the form of an Anchor Kit. The following shall be used in developing the kits.

C.18.2 As a minimum the Anchorage Kit shall take into consideration the following.

C.18.2.1 The anchoring system must be bulk transportable, preferably on flatracks.

C.18.2.2 The anchoring system must have a low signature and minimal environmental impacts.

C.18.2.3 The anchoring system must hold the bridge systems for extended periods, up to one month, taking stress off Bridge Erection Boats and other equipment.

C.18.2.4 If a power source is required, then it must come from organic equipment of a Multi-Role Bridge Company.

C.18.2.5 The system must not be manpower intense (no more than present anchoring system), require little extra training over the 150 meter training already in use, and have recoverable components.

C.18.2.6 The anchoring system must hold the IRB in water currents up to ten (10) feet per second.

C.18.2.7 The anchoring system shall include engineering drawings appropriate for provisioning and a complete inventory/component listing.

C.18.3 The IRB Anchorage Kit shall be provided complete with an storage capability. Kits are to be easily integrated with existing MRBC CBT LHS utility.

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C.18.4 Contractor shall design the IRB 210 meter Anchorage system to comply with MRBC fuel and equipment requirements, ensuring smooth integration into existing MRBC authorized equipment.

C.18.5 Contractor shall also design an IRB Anchorage "add-on" capability designed to extend the max capability of the system to 300 meters. This shall be also tested with the 210 meter Anchor system.

C.18.6 The Contractor shall produce one (1) 210 meter Anchor Kit to include an equipment necessary to expand the 150 meter Anchorage system to 210 meter capability for testing by the Government. The Contractor shall develop and provide a draft updated IRB Anchorage User manual to include PMCS and field level maintenance for use during testing. The Contractor shall also provide two support personnel for two weeks to support this operational assessment test. The personnel shall be well versed in the operation and maintenance of the Anchor Kit. The Government shall also test the proposed answer to the capability to support a 300 meter IRB. This testing shall be conducted at the 739th in Granite City, IL.

C.18.7 At the successful completion of the testing, the Contractor shall provide the Government a cost proposal for the following requirements. The Government and the Contractor shall then negotiate the costs for the following and incorporate those requirements into the contract by a Contract modification. This shall include a breakout of costs of individual parts.

C.18.7.1 The Contractor shall develop and provide an updated IRB Anchorage User manual to include, PMCS and field level maintenance.

C.18.7.2 The Contractor shall provide the GOV an IRB Anchorage System training plan to include student guides, instructor guides, and student exams in the System Approach to Training (SAT) format. The IRB Anchorage System new equipment training module shall be no longer than 8hrs.

C.18.7.3 The Contractor shall provide 2 (two) IRB Anchorage System New Equipment Trainers per IRB fielding beginning with the 1438th MRBC in Rolla, MO. This fielding is scheduled for 2nd quarter of FY08. The following is the present Anchor fielding schedule for the IRB. All future IRB Anchorage fielding and trainings shall occur simultaneously with all subsequent IRB fieldings.

C.18.7.3.1 957th in Bismark, ND in 3rd quarter of FY08.

C.18.7.3.2 1041st in Rock Springs, WY in 4th quarter of FY08.

C.18.7.3.3 189th in Tazwell, VA, in 2nd quarter of FY09.

C.18.7.3.4 401st in Norman, OK, in 3rd quarter of FY09.

C.18.7.3.5 2225th in Marrero, LA in 4th quarter of FY09.

C.18.7.3.6 362nd in Ft Benning, GA in 1st quarter of FY10.

C.18.7.3.7 436th in Redding, CA, in 3rd quarter of FY10.

C.18.7.3.8 551st in El Campo, CA, in 1st quarter of FY11.

C.18.7.3.9 23rd in Ft. Worth, TX, in 3rd quarter of FY11.

C.18.7.4 The Contractor shall provide all the required supplemental provisioning technical data (SPTD) for the full provisioning of the IRB Anchorage System, to include the Anchor Kit.

C.18.7.5 The contractor shall prepare an Engineering Change Proposal (ECP) to formally include the IRB 210 meter Anchorage system into the IRB system.

C.18.7.6 Presently the Government requires an IRB Field Service Representative to support IRB fieldings for 14 days per location. An Anchorage NET Trainer FSR shall be required for no more then 5 days per IRB fielding location.

C.18.7.7 The Contractor shall provide the Government a single IRB Anchorage Trainer/FSR to support and address anchorage fieldings to all previously IRB fielded MRBCs 12 (twelve) and the single IRB Training Base at Ft. Leonard Wood, MO. The projected duration of support per location will be no longer than 3 days.

The Government shall identify those units who need this additional training to the contractor by letter. Upon receipt of the letter the contractor shall provide a cost proposal to train those units. These costs shall be added to this contract by modification.

C.18.7.8 The units, locations and projected desired fielding timelines are listed below.

C.18.7.8.1 TANG Base at Ft Leonard Wood, MO, in FY08

C.18.7.8.2 74th at Ft Hood, TX, in FY08.

C.18.7.8.3 814th at Ft. Polk, LA, in FY08.

C.18.7.8.4 502nd at Ft. Knox, KY, in FY08.

C.18.7.8.5 50th at Ft. Leonard Wood, MO, in FY09.

C.18.7.8.6 341st at Barling, AR, in FY09.

C.18.7.8.7 299th at Ft Belvoir, VA, in FY09.

C.18.7.8.8 459th at Clarkesburg, WV, in FY10.

C.18.7.8.9 200th at Chamberlain, SD, in FY10.

C.18.7.8.10 652nd at Ellsworth, WI, in FY10.

C.18.7.8.11 1437th at Sault Saint Marie, MI, in FY11.

C.18.7.8.12 671st at Portland, OR, in FY11.

CONTINUATION SHEET**Reference No. of Document Being Continued****Page 20 of 20****PIIN/SIIN** W56HZV-07-D-0202**MOD/AMD** P00017**Name of Offeror or Contractor:** GENERAL DYNAMICS EUROPEAN LAND SYSTEMS-GERMANY

C.18.7.8.13 739th at Granite City, IL, in FY11.

C.18.7.8.14 250th at Danielson, CT, in FY12.

C.18.7.8.15 TRNG Base at Ft Leonard Wood, MO, in FY12.

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