

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Firm Fixed Price

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2. Amendment/Modification No.

P00013

3. Effective Date

2014MAR05

4. Requisition/Purchase Req No.

SEE SCHEDULE

5. Project No. (If applicable)

6. Issued By

U.S. ARMY CONTRACTING COMMAND
KENNETH MAMMO
WARREN, MICHIGAN 48397-5000
HTTP://CONTRACTING.TACOM.ARMY.MIL

Code

W56HZV

7. Administered By (If other than Item 6)

DCMA ORLANDO
3555 MAGUIRE BLVD
ORLANDO, FL 32803-3726

Code

S1002A

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)

MAINSTREAM ENGINEERING CORPORATION
200 YELLOW PL
ROCKLEDGE, FL 32955-5327

9A. Amendment Of Solicitation No.

9B. Dated (See Item 11)

10A. Modification Of Contract/Order No.

W58P05-11-D-0005

10B. Dated (See Item 13)

2011JUN23

Code 0A0B7

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.**

- A. This Change Order is Issued Pursuant To: _____ The Changes Set Forth In Item 14 Are Made In _____
The Contract/Order No. In Item 10A.
- 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).
- C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: 43.103 (a) (1) (3)
- 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)

CLETUS NVALOZIE
CLETUS.NVALOZIE@US.ARMY.MIL (586)282-7291

15B. Contractor/Offeror

15C. Date Signed

16B. United States Of America

16C. Date Signed

(Signature of person authorized to sign)

By _____ /SIGNED/
(Signature of Contracting Officer)

2014MAR05

NSN 7540-01-152-8070

30-105-02

STANDARD FORM 30 (REV. 10-83)

PREVIOUS EDITIONS UNUSABLE

Prescribed by GSA FAR (48 CFR) 53.243

CONTINUATION SHEET**Reference No. of Document Being Continued****Page 2 of 16****PIIN/SIIN** W58P05-11-D-0005**MOD/AMD** P00013**Name of Offeror or Contractor:** MAINSTREAM ENGINEERING CORPORATION

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: KENNETH MAMMO
Buyer Office Symbol/Telephone Number: CCTA-ADEA/(586)282-9786
Type of Contract: Firm Fixed Price
Kind of Contract: Supply Contracts and Priced Orders
Type of Business: Other Small Business Performing in U.S.
Surveillance Criticality Designator: B
Contract Expiration Date: 2016JUN01

*** End of Narrative A0000 ***

The purpose of this modification; P00013 to contract W58P05-11-D-0005 is to:

1. Change the First Article Test completion date, found in Section F - DELIVERIES OR PERFORMANCE, for CLIN 00006AA

From:

First Article Testing shall be completed by 15 April 2013.

To:

First Article Testing shall be completed on or before 01 May 2014.

2. Extend the delivery schedule found in Section F - DELIVERIES OR PERFORMANCE, Desired Delivery Schedule and Required Delivery Schedule for the following CLINS:

CLINS - Desired Delivery Schedule

CLINS - Required Delivery Schedule

0001AA	0001AA
0001AB through 0001AE	0001AB through 0001AE
0002AA	0002AA
0002AB through 0002BF	0002AB through 0002BF
0004AA	0004AA
0004AB and 0004AC	0004AB and 0004AC
0005AA	0005AA
0007AA and 0007AB	0007AA and 0007AB
0008AA	0008AA
0009AA	0009AA

From: 90 days after FAT

To: 180 days after FAT

In consideration for extending the delivery schedule, Mainstream Engineering shall add additional TM submission, to be delivered as "Third TM submission" per new CDRL A004, at no additional charge to the Government.

3. Add the following to Section F - DELIVERIES OR PERFORMANCE, Desired Delivery Schedule and Required Delivery Schedule.

"The delivery schedule shall begin 180 days after receipt of each delivery order."

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4. Incorporate updated CDRL A004 into the contract. Adding the following language for the Third Submittal of the PTM.

The Third Submittal shall include changes resulting from mark up given to the Contractor from the Logistics Demonstration that were further clarified in the IPRs held between MEC and the Government and configuration changes that took place during FAT.

Changing the Verification conference

From: 30 days after Contractor receipt of the acceptance...

To: Within 60 days after Contractor receipt of the acceptance...

5. Incorporate updated CDRL A007 into the contract. Changing the following language.

From:

The Verification conference shall take place 30 days after Contractor receipt of Government acceptance...

To:

The Verification conference shall take place no sooner than 30 days after, and no later than 90 days after Contractor receipt of Government acceptance...

6. Correct the following language found in Section F - DELIVERIES OR PERFORMANCE, "Desired Delivery Schedule":

From:

Contractor may be required to produce a maximum of six (60) production units per month regardless of Type.

To:

Contractor may be required to produce a maximum of sixty (60) production units per month regardless of Type.

7. Correct and clarify SOW Section C.12, C.12.1 and C.12.2 titles:

From:

C.12 TRAINING/Familiarization (CLIN 0003BD, CDRL A028).

C.12.1 Operation and maintenance orientation.

C.12.2 Operation and maintenance familiarization/orientation material.

To:

C.12 TRAINING/Familiarization (CLIN 0003BG, CDRL A031 and CLIN 0003BD, CDRL A028).

C.12.1 Operation and maintenance orientation (CLIN 0003BG, CDRL A031).

C.12.2 Operation and maintenance familiarization/orientation material (CLIN 0003BD, CDRL A028).

8. All other terms and conditions remain unchanged.

*** END OF NARRATIVE A0011 ***

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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1. BACKGROUND.

The standard Force Provider (FP) 550 Man Base Camp was developed and fielded to correct deficiencies in soldier support noted by the Chief of Staff of The Army during Operations Desert Shield and Desert Storm. The TRI-CON Refrigerated Container System (TRCS) will support Basic Expeditionary Airfield Resources (BEAR). The TRCS will be used to support Air Force activities at BEAR forward operating military bases throughout the world. In FY00, Force Provider Lite (L) was derived through a Level I Engineering Change Proposal (ECP) in an effort to reduce cost and transportability footprint. In FY08, the incorporation of an additional ECP enhanced the expeditionary capability of Force Provider through the reconfiguration of existing 20-foot containerized support systems (including the 20-foot and 600 cubic foot Refrigeration Container) into Expeditionary TRI-CON systems. This ECP also resulted in the merger of Force Provider Standard and Force Provider (L) into one revised configuration baseline and made packing configuration changes that provided the capability of Force Provider to be deployed in 150 man subsets to support smaller contingency operations. This resulted in the Force Provider (Expeditionary) (or Force Provider (E)) 600-person module which is currently the production and Reset standard. The Operational Requirements Document (ORD) for Force Provider identifies the need for refrigeration capability. The TRCS will satisfy this ORD requirement and provide the modular capability desired of the FP (E).

C.2. GENERAL SCOPE.

The Contractor shall supply all necessary personnel, labor, engineering, program management, materials, supplies and facilities necessary to configure, manufacture, and test the TRCS and provide all support hardware to accomplish the requirements set forth herein. The contract effort shall result in the assembly of a TRCS with all accessory equipment in conformance to contractual requirements to allow transition to U.S. Army and Air Force for use worldwide for an expected 15 year service life. The work and services to be performed by the Contractor are detailed in this Statement Of Work (SOW) and will be authorized by issuance of delivery orders. The Contractor shall not initiate any work that is not authorized by a delivery order or modification without written direction by the Contracting Officer. The Contractor may use government test facilities with government pricing for necessary testing for the TRCS.

The TRCS shall consist of a turnkey, self-contained, insulated, refrigerated container and Refrigeration Unit (RU), unless otherwise noted by government. The TRCS shall operate as an expeditionary field refrigerator providing safe storage and temperature control for perishable items. The work and services to be performed by the Contractor are detailed in this SOW and Attachment 0011 titled Military Performance Specification TRICON Refrigerated Containers (TRCS), MIL-PRF-32335. This SOW and the performance specification shall take precedence unless otherwise approved by the Government. These requirements may be tailored by the Government as deemed necessary. The Contractor shall be responsible for full engineering analysis of any design failure; any rework, fabrication, transportation, technical data updates, or retest costs associated with failure to meet the stated test and performance requirements. The TRCS as stated herein, shall refer to the entire integrated system (including, but not limited to, an ISO Certified insulated container, an integral refrigeration unit, and other ancillary components).

The TRCS shall comply with all applicable requirements of ISO 1496/2, 668, 1161, 6346, 49 CFR Chapter 4 parts 450-453, and customs convention. Unless otherwise specified herein, the TRCS container shall comply with the requirements of ISO 1496-1 as applicable. The insulated container shall be new and unused, waterproof, non-collapsible, of a permanent character, suitable for repeated use and repairable.

Any reference to Military Standard, CONFIGURATION MANAGEMENT, MIL-STD-973 in this Solicitation is to be used for guidance. If the requirements of this SOW, subsidiary specifications, standards, drawings, or publications are in conflict, the Contractor shall refer the area of conflict in writing to the Contracting Officer for resolution.

C.3. TECHNICAL APPROACH. The Contractor shall provide First Article Test Unit(s) and demonstrate thru testing that ALL of the performance requirements set forth in MIL-PRF-32335 (Attachment 0011) and this SOW have been met. The Contractor is responsible to ensure all TRCS (First Article Test & Production) meets ALL of the performance requirements set forth in MIL-PRF-32335 and this SOW. A First Article Test (FAT) shall be conducted by the Contractor per Section C.8 of this SOW. The Contractor shall be responsible to verify that all delivered items can meet the approved Performance Specification. Government testing may be performed at the Governments discretion.

C.3.1. Environmental Compliance. The TRCS shall be compliant with all Local, State, Federal and international environmental requirements. The Contractor shall provide the appropriate documentations/certifications required by each respective entity, to ensure compliance commencing at Contract award and continuing throughout Contract duration. A copy of all documentation shall be furnished to the Government.

C.3.2. Convention for Safe Containers (CSC) Certification: The TRCS First Article Test (FAT) and Production units shall be Certified as meeting CSC Certification for inter-modal transport by qualified independent certification agent. The ISO structural and thermal tests shall meet all the performance requirements listed in the performance specification MIL-PRF-32335 .

C.3.3. Pre-planned Product Improvement (P3I). The Government anticipates that technological advancements will be made during the contract period. Therefore, the Contractor shall initiate Engineering Change Proposals to incorporate product improvement into the contract as technology matures. Improvements may include, but are not limited to modernization of materials; insulation technology;

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refrigeration technology; ethylene technologies; power generation technology; diesel driven technology and alternative smart power sources such as solar and wind.

C.3.4. UNIQUE ITEM IDENTIFIERS. POLICY. This contract requires Item Unique Identification (IUID) marking. The Contractor will provide IUID for all items delivered with an acquisition cost of \$5000 or more. Any items that have range quantity prices that will exceed the \$5000 unit price any time during the life of the contract shall have IUID markings from the beginning of the contract. In addition, the Contractor shall apply IUID markings to all other items the government has identified in this contract as requiring IUID markings. IUID markings shall be in accordance with (IAW) DFARS Clause 252.211-7003, MIL-STD-130M w/change 1, dated 15 June 2007.

C.3.4.1 Marking. The Contractor shall meet the requirements of MIL-STD-130M to establish the IUID. The Contractor shall insure that the IUID is unique for that item from all other items forever. Regardless of the construct chosen by the Contractor, the original part number shall be encoded in the data matrix symbol.

C.3.4.2 Technical Data. If the Government is procuring engineering drawings or drawing revisions on this contract, the Contractor shall include marking requirements on each applicable drawing. Location shall be depicted on the pictorial and other details presented in the notes.

All efforts required, including the preparation of ECPs or notification of marking deficiencies and the actual marking of hardware will be included in the base contract price.

The Contractor shall maintain an accurate, current list of IUIDs for all manufactured items on this contract. Dates of manufacture, substitutions, shop changes, etc. shall be included on this list. The list shall be available for inspection by a Government representative at any time during the life of this contract.

C.3.4.3 IUID Registry. The Contractor must ensure that pedigree data for all parts marked with IUID are submitted into the Department of Defense IUID Registry

C.3.5. Contractor's Technical Proposal. The Contractor's technical proposal, as negotiated and accepted by the Government, shall be incorporated by reference into the resultant contract. Information contained in the Contractor's proposal regarding organization, staffing, manning levels, and experience or education qualifications of personnel that are to be utilized in performance of this contract shall also be incorporated into the resultant contract. Any changes in these arrangements are to be submitted to the Contracting Officer in advance for approval. In the event of any conflict or ambiguity between the Contractor's proposal and the Government SOW and MIL-PRF-32335, the SOW and MIL-PRF-32335 shall take precedence unless otherwise approved by the Government. Some or all of the information furnished by the Contractor may be subject to disclosure under the Freedom of Information Act. For this reason, the Contractor shall identify information contained in their proposal, which the Contractor specifically does not want to be incorporated by reference.

C.3.6 Technical Data Package (CLIN 0003AR). If the Government requires the Contractor shall deliver a Technical Data Package (TDP) of drawings, a drawing tree, and associated parts list per MIL-DTL-31000 IAW CDRL A016. This includes, but is not limited to: drawings, parts list, material specifications, component specifications and commercial item descriptions. See attachment 0010 titled Product Drawings/Models and Associated List (DI-SESS-8100C).

C.4. DETAILED PERFORMANCE/COMPATIBILITY/INTERFACE REQUIREMENTS. The Contractor shall manufacture and furnish the TRCS to meet the requirements of MIL-PRF-32335 and this SOW. The Contractor shall utilize commercial products, processes, and practices when possible to reduce production and operational support costs and component lead times. Alternate proposed verification methods to those requirements may be proposed by the Contractor. The Government shall review and approve or reject any proposed alternate verifications before any testing has been initiated. The TRCS FAT units and Production units shall be shipped complete as a turnkey system to either the test sites or the field ready for operational use. In accordance with the performance specifications and SOW, the TRCS shall be able to be transported, supported, maintained and operated by the U.S. Army and AF, the commercial assets listed therein.

C.5. TECHNICAL MANUALS

C.5.1 Technical Manual (CLINs 0003AD, 0003AE, 0003AF, 0003AU, 0003AV, and 0003AW). The Contractor shall produce an Joint Service Air Force and Army Operator and Field Maintenance Manual, including Repair Parts and Special Tools List (RPSTL) TM, Validation Plan, and a Validation Report in accordance with the SOW for Development and Production of Equipment Publications, Technical Manual IAW CDRLs A004, A005, A006, A019, A020, A021 and the TM Requirements Matrix (Attachments 0003 and 0004). The Joint Services authenticated Technical Manuals shall be provided by the Government for inclusion with each TRCS. The Contractor shall overpack one Joint Services authenticated Technical Manual in hardcopy with each end item delivered to the Government. For Delivery Order issued the Contractor shall request, through the Contracting Officer, Government Furnished Technical Manuals for the quantity of TRCS order, unless the Contractor has been previously provided enough Technical Manuals for the quantity of TRCS ordered.

C.5.2 Depot Maintenance Work Requirement (CLINs 0003AG, 0003AS, 0003AT, 0003AX, CLIN 0003AY and CLIN 0003AZ). The Contractor shall prepare Depot Maintenance Work Requirement IAW CDRLs A007, A017, A018, A022, A023, and A024. See Attachment 0012 titled SOW for Development and Production of Equipment Publications Depot Maintenance Work Requirement (DMWR) Containing National Overhaul Standards

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and Repair Parts and Special Tool List (RPSTL) for TRICON Refrigerated Container (TRC) DMWR 10-4110-XXX and Attachment 0013 titled SOW for Development and Production of Equipment Publications Depot Maintenance Work Requirement (DMWR) Containing National Overhaul Standards and Repair Parts and Special Tool List (RPSTL) for TRICON Refrigerated Container (TRC) DMWR 10-4110-XXX, Change 00X.

C.6. Logistics Management Information Data Products.

C.6.1. Packaging Data and Special Packaging Instructions (CLINs 0003AH, and 0003AJ): The Contractor shall prepare Logistics Management Information Data Products for Packaging Data and Special Packaging Instructions for the TRCS in accordance with CDRLs A008 and A009, and Attachment 0002 titled Packaging Statement of Work for TRICON Refrigerated Container.

C.6.2. Provisioning (CLINs 0003AA, 0003AB, 0003AC, 0003BA 0003BB, and 0003BC): The Contractor shall prepare Logistics Management Information Data Products for Provisioning for the TRCS in accordance with CDRLs A001, A002, A003, A025, A026, and A027 and Attachment 0001 titled Provisioning Statement of Work for TRICON Refrigerated Container.

C.7. PROGRAM MANAGEMENT.

C.7.1. Program Manager (PM). The Contractor shall assign a dedicated Program Manager (PM) who shall serve as primary Point of Contact (POC) between the Government and the Contractor and shall be fully responsible for the coordination of all Contractor activities related to the contract to include, but not limited to cost, schedule, technical performance, data management, etc. This person shall have the authority to commit the Contractor to specific courses of action and accept direction from the contracting. This person shall be responsible for coordinating all meetings between the Government and the Contractor. This person shall be responsible for taking the minutes from each meeting and distributing those minutes via e-mail to the entire IPT and attendees no later than a week from the meeting. The PM shall be responsible for bringing to the Contracting Officer's attention any conflicts in the Contractor's interpretation of the contract requirements (first by telephone, e-mail and followed in writing) or problems that could adversely affect the Contractor's ability to meet the stated quality, cost, or production/delivery and master schedule requirements.

C.7.2. Overall Master Program Schedule. The Contractor shall develop and maintain a comprehensive Contract Master Schedule in MS Project (Gantt chart format) that outlines all of the tasks required to execute the program. A baseline schedule shall be established during the contract preparation phase and tracked from contract award to fielding. The base line schedule shall be provided to the Government once established. The schedule shall provide a comprehensive list of all program related events (i.e. integration, fabrication, First Article Testing, Production, CDRLs data deliverables, etc). The schedule shall track all tasks, baseline and actual schedule progress, personnel, costs, and percentages complete. The Contractor is expected to keep the Contract Master Schedule up to date and track program progress using the schedule. If deviated from, the Contractor shall provide for consideration in performance, cost and/or schedule to the Government. Updates to the schedule shall be supplied to the Government when they occur and upon request. The schedule is expected to be tracked by the Contractor and the Government IPT on a bi-weekly basis and will be discussed during the bi-weekly teleconference meetings.

C.8. FIRST ARTICLE TEST UNITS, FIRST ARTICLE TESTING AND EVALUATION.

C.8.1. First Article Test (FAT) (CLINs 0001AA, 0002AA, 0004AA). The Contractor is responsible for design, fabrication, assembly of FAT TRCS Unit(s) and conducting First Article Testing to verify conformance to this SOW and MIL-PRF-32335. The Contractor shall develop the FAT plan in accordance with CDRL A011 including testing schedule; identify and assemble the proper amount of FAT units; conduct the FAT; provide technical support to the FAT; report on the FAT results; and analyze any failures and provide corrective action for said failure(s). The Contractor shall repair any damage due to failure, apply any corrective actions resulting from the FAT, and retain the FAT units as manufacturing samples during execution of the production effort unless otherwise directed by the government. The FAT unit(s) shall be delivered with the last TRCS units on the contract, unless otherwise directed by the government. The full range of FAT testing as specified in the Contract, shall be covered in its entirety, unless waived by the Government. The Government will review the Contractor's proposed FAT Strategy and FAT Plan (CDRL A011) to verify conformance to the contract requirements.

C.8.2. First Article Test Planning (CLIN 0003AL). The Contractor shall develop and provide a comprehensive FAT Plan, which outlines the testing required to meet the stated performance and delivery requirements in accordance with CDRL A011. The Contractor shall be responsible for coordinating and scheduling all First Article Testing utilizing the appropriate facilities, equipment, and procedures. The FAT Plan shall include a comprehensive FAT schedule that outlines the time, location, and resources. See Attachment 0008 titled Test Plan (DI-NDTI-80566).

C.8.3. First Article Test (FAT) (CLIN 0006AA). The Contractor shall first conduct CSC certification (ISO 1496-1 and 1496-2) testing on all TRCS FAT Unit(s) before conducting the remainder of the selected FAT tests shown below with the exception of design reliability testing on the FAT Refrigeration Unit(s) per MIL-PRF-32335 which can be tested concurrently. The Contractor may use Government test facilities, on a non-interference basis, for performance of some, or all, of the required FAT testing. Reimbursement to the testing activity shall include all direct and indirect, costs associated with the testing and the Contractor shall receive Government rates/test pricing for utilizing Government facilities for testing. The Contractor shall identify and deliver a stock of spare parts and tools required to maintain, troubleshoot, and repair FAT unit(s) to support testing. Failed components shall be replaced at no additional charge to the Government. The Government reserves the right to waive portions of the FAT tests or production tests. Certain tests may be waived at the Governments discretion if adequately demonstrated in prior testing. Any tests waived will result in a direct reduction in the FAT pricing to the Government. The Contractor shall perform operator and preventive maintenance

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during testing at no additional cost to the Government. Maintenance shall be conducted in accordance with procedures outlined in Contractor supplied technical publications and technical manuals. The Contractor's personnel, at the test site, shall perform unit and direct support level maintenance as required. See Attachment 0011 titled Military Performance Specification TRICON Refrigerated Containers (TRCS), MIL-PRF-32335.

C.8.4. First Article Test Report (CLIN 0003AM). The Contractor is required to develop and submit a comprehensive First Article Test/Inspection Report outlining all of the tests that where conducted on the FAT units in accordance with CDRL A012. Each FAT test and FAT unit shall be electronically video taped and digitally photographed and copies shall be provided via e-mail or provided on CD/DVD to the Contracting Officer with the submittal of the FAT Report. See Attachment 0009 titled Test/Inspection Report, (DI-NDTI-80809B)

C.8.5. FAT Failures. If a FAT failure occurs, the Contractor shall be responsible for full engineering analysis of design failure, any rework, fabrication, transportation, technical data updates, or retest costs associated with failure to meet test plan, this SOW and/or MIL-PRF-32335 requirements. Re-test expenditure, if required, shall be at the Contractors expense. This shall be determined by the extent of modifications, or corrective action taken, and availability of appropriate facilities to demonstrate material fixes. If the FAT fails to meet the stated Performance Requirements, the Contractor, at the discretion of the Government, shall make corrections to the design, manuals, drawings, schematics and other appropriate technical data based on observations and results of testing at no additional cost to the Government. The Contractor is required to update the drawings and Bill of Materials to reflect any changes to the baseline configuration from testing. The Contractor shall recommend corrective actions and verification procedures to the TRCS FAT units in order to correct any areas identified as failures during FAT testing. The Contractor shall provide a detailed list of changes and implement the required changes to the FAT units. Any changes to manuals, instruction placards, wiring diagrams, training package, or system support package resulting from modifications shall be performed by the Contractor and submitted at the time modifications are ready for demonstration at no additional cost.

C.8.6. Acceptance of FAT Units. Prior to acceptance of the First Article Units, the Contractor shall be required, at no extra cost to the Government, to replace or repair to original condition any units or subcomponents that sustained any damage resulting from First Article Testing which result in that unit not being in compliance with MIL-PRF-32335, the Technical Data or this SOW. Normal wear and tear resulting from the testing shall be acceptable; however, damage resulting from material deficiencies or inadequate design must be corrected on the FAT unit by the Contractor at their own expense.

C.9. PRODUCTION

C.9.1. Production Test Plan (CLIN 0003AP). The Production Test Plan and Procedures shall be developed by the Contractor in accordance with CDRL A014 and approved/rejected by the Government. The Production Test Plan and Procedures shall be a subset of the First Article Test Plan and Procedures and the Contractor's Quality Assurance Test and Inspection Process. Each Production Acceptance Test and Inspection shall be documented and stored at the Contractor's facility for reference. Copies shall be provided to the Government upon request.

C.9.2. Spare/Repair Parts. The Contractor shall develop an entire list/inventory of spare/replacement parts. The Contractor shall identify and provide Spare/Repair Parts for the TRCS for the life of the Contract. The Contractor shall develop a recommended spares kit with pricing data.

C.9.3. Standard Repair Procedures (SRP). The Contractor must take extreme measures to ensure damage does not occur to the units during manufacturing, handling and storage of the units. It is known that occasional mishaps can damage such areas as the sides, floor and ceiling. To avoid lengthy delays in getting Government approval for repair disposition, it is recommended that the Contractor submit to the Government for review and approval Standard Repair Procedures (SRP) detailing type damage and allowable limits and the proposed Repair Instructions. If a unit does become damaged and it falls within the limits of the approved SRP the local Defense Contract Management Agency (DCMA) Quality Assurance Representative (QAR) shall be notified and concur with the damage and inspect the repair once made. Also the Contracting Officer is to be provided a copy of all SRPs completed. Any damage that falls outside the SRP is to be handled IAW approved Request for Waiver/Deviation Procedures. The SRP Process is to be considered the exception and not the rule. If the Government feels excessive use of SRPs is occurring the Government reserves the right to rescind the use of the SRP process.

C.9.4. Reserved

C.9.5. Color Designation. The TRCS shall be designated with the NSN proceeded by a 1- (for Green components) or a 2- (for Tan components).

C.9.6. TRCS Production Units (CLINS 0001AB, 0001AC, 0001AD, 0001AE, 0101AB, 0101AC, 0101AD, 0101AE, 0201AB, 0201AC, 0201AD, 0201AE, 0301AB, 0301AC, 0301AD, and 0301AE). The Contractor shall produce TRCS Production units, IAW MIL-PRF-32335, Type I, in both Green and Tan colors for the Army.

C.9.7. TRCS Production Units (CLINS 0002AB through 0002BF, 0102AB through 0102BF, 0202AB through 0202BF, and 0302AB through 0302BF). The Contractor shall produce TRCS Production units, IAW MIL-PRF-32335, Type III, in Tan color for the Air Force.

C.9.8. TRCS Container Production Units (CLINS 0007AA, 0007AB, 0107AA, 0107AB, 0207AA, 0207AB, 0307AA, and 0307AB). The Contractor

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shall produce TRCS Containers, IAW MIL-PRF-32335, Type I, production containers in both Green and Tan colors for the Army.

C.9.9. TRCS Container Production Units (CLIN 0008AA, 0108AA, 0208AA, and 0308AA). The Contractor shall produce TRCS Containers, IAW MIL-PRF-32335, Type III, Tan production Containers for the Air Force.

C.9.10. TRCS Production Mechanical Refrigeration Units (CLINs 0004AB, 0004AC, 0104AB, 0104AC, 0204AB, 0204AC, 0304AB, and 0304AC). The Contractor shall produce Mechanical Refrigeration Units, IAW MIL-PRF-32335, Type I, Green and Tan, Mechanical Refrigeration Units for the Army.

C.9.11. TRCS Production Mechanical Refrigeration Units (CLIN 0005AA, 0105AA, 0205AA, and 0305AA). The Contractor shall produce Mechanical Refrigeration Units, IAW MIL-PRF-32335, Type III, Tan, Mechanical Refrigeration Units for the Air Force.

C.9.12. TRCS Shelving System Spares (CLIN 0009AA, 0109AA, 0209AA, and 0309AA). The Contractor shall produce Air Force Type III only Shelving System spares IAW MIL-PRF-32335.

C.10. CONFIGURATION MANAGEMENT (CM).

C.10.1. Configuration Management (CM). The Contractor shall implement and maintain an Internal Configuration Management Program for the TRCS throughout the life of the Contract. All assembly, dimension and installation drawings shall be provided to the Government for review at the post award conference and FAT readiness review and when production begins and ends. The Contractor, at no additional cost to the Government, shall correct all non-conformances. Configuration management shall be in accordance with this SOW, in its entirety. All technical data products produced as part of this SOW shall be updated to reflect any configuration changes.

C.10.2. Configuration Control. The Contractor shall use configuration control to manage proposed changes beginning with the first submission of the FAT item(s). Configuration control shall be used to document the impact of proposed changes and to update configuration documentation. Following acceptance of the First Article Unit(s), the Contractor shall not alter the design in form, fit, or function without prior approval from the contracting officer and the Project Officer.

C.10.3. Physical Configuration Baseline (PCBL). The Contractor shall control the Physical Configuration Baseline (PCBL) using the change control and engineering release processes. The PCBL is the product performance requirement for replacement assemblies and spare/repair parts, engineering drawings, parts lists, process specifications, computer software configuration items and other relevant items; which shall be in the Contractors own format. The Contractors PCBL shall support interchangeability and interoperability to a replaceable part level. All baselines shall be documented in the configuration status accounting database.

C.10.4. Spare/Repair Part Performance Drawings. Drawings and parts lists for all items that may be utilized as spare/repair parts and assemblies shall contain all performance and interface requirements necessary for standalone re-procurement of these items. These drawings, when used for the manufacture of spare/repair parts, shall produce a finished part complete with all holes, hardware, and ancillary components necessary for the installation in the TRCS. Design detail shall only be provided to the extent necessary to attain the required performance of the spare/repair part. Drawings shall reference a separate finish drawing, and shall not contain specific finish requirements.

C.10.5. Engineering Change Proposals (ECP). An ECP shall be prepared for proposed changes and shall be submitted through the Defense Contract Management Agency (DCMA) Administrative Contracting Office (ACO) to the Contracting Officer. MIL-STD-973, may be used for reference when preparing ECPs. At a minimum, the ECP shall include the following:

- a. Date Prepared
- b. ECP Number
- c. Justification and Priority Code
- d. System Designation (i.e. Cage Code, nomenclature, model, P/N)
- e. Name of Part (or Lowest Assembly) Affected
- f. Baselines Affected
- g. Title of Change
- h. Description of Change
- i. Need for Change
- j. Effect on Interfaces (i.e. Integrated Logistics Support (ILS), Interchangeability and Interoperability)
- k. Total Costs/Savings
- l. Retrofit Information (If applicable)

C.10.6. Class I ECP: Affects the contractually specified form, fit, function, or logistics in support of an item or that affects costs to the Government, contract guarantees/warranties, contractual deliveries or scheduled contract milestones. A Class I ECP is also defined as a change that affects the performance, reliability, maintainability, survivability, weight, balance, moment of inertia, interface characteristics, electromagnetic, or other technical requirements in the specification. All Class I ECPs shall be reviewed by the Government to make a determination as to acceptance/rejection. All Class I ECP must be approved via a contract modification by the contracting officer prior to any changes in the production units.

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C.10.7. Class II ECP: Any change that does not affect a system as listed in the Class I definition. All Class II ECPs shall be approved or rejected by the DCMA Quality Assurance Representative (QAR). A copy of all Class II ECPs shall be furnished to both the Contracting Officer.

C.10.8 Interface Control Drawings (CLIN 0003AQ). The Contractor shall prepare all drawings necessary to provide the Government a complete set of Engineering Drawings to include the Parts Lists IAW CDRL A015. The Drawings, when combined with the Performance Specification MIL-PRF-32335, shall allow the manufacture of interchangeable components and end items. It shall enable spare part logistical support without recourse to the design activity. Design detail shall only be provided to the extent necessary to attain the required interfaces of the end item and performance of the spare/repair part. Drawings of Military or Commercial Standard items, which are adequately covered by existing approved Military Drawings and/or Military or Commercial Specifications shall not be redrawn and shall be incorporated directly into the drawing package. The drawings shall be made available to the Government at the FAT readiness review and the Production Readiness Review and when production stops. The drawings will be used for configuration control reviews and production lot inspections, and if Government exercises its right for re-procurement.

C.10.9. MANPRINT (MANpower and PeRsonnel INTeGration). Considerations, (encompassing the seven domains of Manpower, Personnel, Training, Human Factors, System Safety, Health Hazards and Soldier Survivability) shall be integrated into the design of the TRCS so as to allow safe and efficient operation and maintenance by the U.S. Army and Air Force in all specified operational and environmental conditions herein and those specified in the Performance Specification and this SOW.

C.10.10. Target Audience Description (TAD). The TRCS shall be designed so that it can be operated and maintained by U.S. Army and Air Force with Military Occupational Specialties (MOS) and AF Career Fields (AFCF) with no identified additional skills or MOSs required.

C.11. SYSTEM SAFETY.

C.11.1. Safety Process: The Contractor shall establish System Safety Processes and Procedures to integrate hazard identification, assessment, and elimination or control into the product design and production effort required by this contract. The Contractor shall eliminate or reduce significant hazards by appropriate design or material selection. The Contractor shall control or minimize hazards to personnel which cannot be avoided or eliminated. The Contractor shall insure safety is considered for both operational and maintenance phases of the system. Safety or Health hazards shall be eliminated or reduced to a Risk Assessment Code of IE, IID, IID, IV, or less. MIL-STD-882D, available at <http://assist2.daps.dla.mil/quicksearch/>, may be used as guidance.

The Contractor shall deliver a TRCS that can be safely operated within the stated environment and accomplish the profile stated in the Specification. The Contractor shall perform a comprehensive and detailed evaluation of the safety risk being assumed by the Government through the operation and maintenance of the Contractor's product along with potential interface problems with planned subsystems. The Contractor's evaluation shall identify all safety features of the system design, identify specific nationally recognized commercial or industry safety related standards (e.g., NEC, NEMA, NFPA, UL, CSA, OSHA, ASHRAE) or test laboratories the system or its components comply with, and verify compliance with safety requirements of this SOW and MIL-PRF-32335. In addition, the Contractor shall identify and evaluate any procedural or design related hazards that may be present in the system, and develop the specific controls and precautions that should be followed during system use to prevent personnel injury or equipment damage. Health related hazards (e.g., noise, hazardous chemicals, toxic substances), as well as physical hazards, shall be addressed. Any hazards subsequently discovered during Production and Fielding shall be eliminated or reduced below the above identified Risk Assessment Codes (RACs) and appropriate warnings be incorporated in the TMs by the Contractor at no additional cost to the Government.

C.11.2. Safety Assessment Report (CLIN 0003AK). The Contractor shall provide a Safety Assessment Report (SAR) that documents the Safety Assessment and clearly identifies any residual risks of the TRCS IAW CDRL A010. The SAR shall include a signed statement that all identified hazards have been eliminated, or their associated risks controlled to acceptable levels and that the TRCS is ready to test, field or operate. The results of the Contractor's Safety Evaluation shall be submitted to the Government in a Safety Assessment Report (SAR). Contractor format may be used. See Attachment 0006 titled Safety Assessment Report (DI-SAFT-80102B). The Hazard List specified in Attachment 0006 Safety Assessment Report (DI-SAFT-80102B) shall include the following information for each hazard, as a minimum:

- a. Description of the hazard.
- b. Initial hazard risk assessment code (see paragraph C.11.2.1. c., below).
- c. Actions taken or required to eliminate or control the hazard (e.g., design changes, warning or caution signs on the equipment, safe procedures and precautions in technical manuals).
- d. Final hazard risk assessment code, which takes into account the control measure.
- e. Status of corrective action (i.e., indicate if actions are complete, or identify any remaining Contractor or Government actions necessary to resolve the hazard).

C.11.2.1. The Hazard Risk Assessment Code for each hazard identified shall be assigned by using the definitions and matrix given

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below.

a. Definitions for Hazard Severity.

(1) Category 1 - Catastrophic; the total destruction of the system, or an injury or occupational illness resulting in a fatality or permanent total disability.

(2) Category 2 - Critical; major system damage requiring system overhaul, or severe injury or occupational illness resulting in a permanent partial disability.

(3) Category 3 - Marginal; minor system damage requiring maintenance that would cause down time beyond the day, minor injury causing loss of time from work beyond the day or shift, or minor occupational illness causing loss from work or disability at any time.

(4) Category 4 - Negligible; system damage, injury or occupational illness less than that specified in categories I, II, and III.

b. Definitions for Hazard Probability.

(1) Category A - Frequent; likely to occur frequently (continually experienced in the inventory).

(2) Category B - Probable; occur several times (occurs frequently within the inventory).

(3) Category C - Occasional; likely to occur sometime (occurs several times within the inventory).

(4) Category D - Remote; unlikely but possible to occur (unlikely but can reasonably be expected to occur within the inventory).

(5) Category E - Improbable; so unlikely, it can be assumed occurrence may not be experienced (unlikely to occur within the inventory, but possible).

c. Hazard Risk Assessment Code. The Hazard Risk Assessment Code is a combination of the Hazard Severity and Hazard Probability categories as depicted in the table below.

Hazard Risk Assessment Code Matrix:

<u>HAZARD SEVERITY</u>		<u>HAZARD PROBABILITY</u>				
		A	B	C	D	E
Catastrophic	1	1A	1B	1C	1D	1E
Critical	2	2A	2B	2C	2D	2E
Marginal	3	3A	3B	3C	3D	3E
Negligible	4	4A	4B	4C	4D	4E

C.11.3 Hazardous Material Management Plan (CLIN 0003AN). The Contractor shall prepare a Hazardous Material Management Plan in accordance with CDRL A013. See Attachment 0005 titled Hazardous Materials Management Program (HMMP) Plan (DI-MGMT-81398A)

C.12. TRAINING/Familiarization (CLIN 0003BG, CDRL A031 and CLIN 0003BD, CDRL A028).

C.12.1 Operation and maintenance orientation (CLIN 0003BG, CDRL A031). The Contractor shall plan for and conduct a one-time classroom and "hands-on" operation and maintenance orientation for the using activities to familiarize the users with TRCS. The orientation shall be a minimum twenty-four (24) formal classroom training hours. It is recommended, although not mandated, that Instructor-Led Training (ILT) developed, evaluated and documented be in accordance with DOD MIL-HDBK-29612, part 2. The orientation shall include but not be limited to: operational familiarization; maintenance of TRCS for both corrective and preventative efforts; support/test equipment review; TRCS safety features and procedures; application of technical manual to modes and effects; troubleshooting/fault isolation, and theory of operation. This orientation shall take place at the Contractor's facility (within CONUS) a minimum of 60 days prior to the first production delivery. The Contractor shall provide all required reference material for 25 Department of Defense (DOD) personnel, to include a CD-ROM with a digital copy, in Adobe Acrobat (PDF) format, of all student support materials, which shall be provided at the conclusion of training to all students. Copies of the latest draft effort in developing the Technical Manual (TM)/Technical Order (TO) for TRCS shall also be available and shall be the primary source of data used. The contractor is not required to provide transportation to and from the site, lodging, or meals for the 25 DOD personnel during the orientation.

C.12.2 Operation and maintenance familiarization/orientation material (CLIN 0003BD, CDRL A028). The Contractor shall facilitate the development of, an internet-based Multimedia Training product conformant to and in compliance with the most current, at time of award,

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publication of the "Standards and Guidelines for AFCEA Multimedia & Training Products" document provided by HQ/AFCEA, DoD Instruction 1322.20/1322.26, and prevailing industry standards such as SCORM and Section 508 Accessibility guidelines. Contractor shall provide Multimedia Training Product development contractor access to TRCS equipment for taking photos/videos to be used in Multimedia training development. Contractor shall also provide technical data to be used in developing interactive multimedia training product. The interactive multimedia instruction will be used in the field for familiarization of operational and maintenance personnel.

C.12.3. Government Rights. The Contractor shall extend to the Government unlimited usage rights for the duplication and distribution of the operation and maintenance familiarization/orientation material identified in Section C.12.2. The Contractor may identify to the Government any specific proprietary materials or items needing to be limited due to proprietary rights.

C.13. MEETINGS AND REVIEWS.

C.13.1. Meetings (CLIN 0003BE). The Contractor shall host and support the meetings listed below. The Contractor shall provide meeting minutes concise concentrating on the topics and decisions of the meeting within 3 business days IAW CDRL A029. The Contractor shall ensure that all personnel and Sub-Contractor(s) required for an adequate discussion of the Contract effort are in attendance at all meetings and reviews, as required. Scheduling of the meetings and reviews shall not change the delivery schedule of the Contract. The Contractor shall provide a work area, restrooms and office space with adequate worktables and chairs. Government personnel shall have access to copy machine, paper, and telephone.

C.13.2. Post Award Conference/System Requirements Review/Preliminary Design Review (PAC/SRR/PDR). The Contractor shall coordinate, schedule and conduct a Post Award Conference (PAC) with the Government at the Contractor's facility. The Government anticipates this Conference to be conducted within 15 calendar days of Contract award. The purpose of the Conference shall be discussion of project orientation, transfer of background information, to provide a mutual understanding of the technical requirements/contractual requirements and the QA provisions of the Contract. The Government can address any questions or issues with regards to technical matters, and to have the Contractor describe to the Government total management of all aspects of the program. The Contractor shall ensure that all personnel, and sub-Contractors, required for an adequate discussion of the contract effort be in attendance. Scheduling of the Post Award Conference shall not change the delivery schedule of the Contract. The Contractor shall be prepared to:

a. Conduct a review of the system requirements to ensure that they have been completely and properly identified and that there is a mutual understanding of the system requirements between the Government and the Contractor.

b. Conduct a preliminary review of the FAT test plan.

c. Make available to Government representative(s) the documentation for production planning, manufacturing methods and controls, material and manpower resource allocation, production engineering, quality control and assurance program, production management organization, and controls over major sub-Contractors.

d. Review the CDRLs, data deliverables, and Verification/Provisioning Conference dates.

e. Review the overall tasks and schedule required to execute the TRCS program within the schedule constraints set forth by the Government.

f. Document the Post Award Conference meeting minutes and distribute those minutes via e-mail to the entire PAC attendees NLT a week from the PAC.

g. This meeting shall also include a Preliminary Readiness Review meeting to outline what design materials and processes will be utilized by the Contractor on the FAT and Production units to meet the requirements of MIL-PRF-32335 and this SOW. The Contractor shall prepare briefing charts that show how each requirement will be tracked and met through the design process with a material solution.

C.13.3. Provisioning Conference. The date and time for the Provisioning Conference shall be within forty five (45) days of Government acceptance of initial PPL. The Provisioning Conference entails reviewing the current status of the provisioning efforts, establishing milestones leading to the data delivery and reviewing the format of ALL the Technical Data.

C.13.4. FAT Readiness Review. The Contractor shall host the FAT Readiness Review to coincide with the completion of the assembled FAT unit(s) and FAT plan approval. This is to ascertain readiness of equipment, technical data, and training to support initiation of FAT. Exact date, location, and administrative arrangements for this meeting shall be made between the Contractor and the Government.

C.13.5. Production Readiness Review. This shall be hosted at the Contractor's facility following completion and approval of FAT and FAT report. The purpose of this Review shall be to verify that all lessons learned during FAT have been incorporated into the Technical Data prior to Full-scale Production. At this time, the Contractor shall demonstrate their readiness to begin Full-scale Production. Discussions will focus on test results, resolution of any required changes, and readiness for Full-Production go-ahead and additional equipment procurement. Exact date, location, and administrative

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arrangements for this meeting shall be made between the Contractor and the Government. The Contractor, prior to beginning Full-scale Production shall schedule this meeting concurrent with the end of FAT and FAT Report approval.

C.13.6. In-Process Reviews (IPR). In-Process Reviews shall be conducted at either the Government's or Contractor's facility as a part of program status monitoring and control. Technical publication IPRs shall also be held at various stages of TM development prior to support preparation of final reproducible copy. The IPR shall review the status of Contract deliverables and establish an opportunity to resolve problem areas in provisioning data development. The Contractor may request IPRs when assistance or clarification is desired. The Government may require and the Contractor may request additional IPRs irrespective of the schedule. Discrepancies and/or deficiencies found as the result of the IPR shall be corrected prior to the next IPR. The schedule for the subject IPR will be flexible and occur on an as needed basis and may be invoked by either the Government or Contractor as program development issues dictate. Follow on reviews shall be scheduled as needed.

C.13.7. Weekly Teleconference Meetings. The Government strongly encourages the Contractor to stay in close contact with the Project Officer and Contracting Officer regarding all critical issues as they come to light. Any other critical issues related to the successful completion of the contract delivery orders shall also be reviewed and discussed. It is best not to wait until the Program Reviews to address these issues. Program reviews may take place by means of live electronic conference, subject to Government approval. Regularly scheduled weekly teleconference meeting shall be conducted by the Government/Contractor Integrated Product Team (IPT) to address technical progress, cost, schedule, contractual, or any programmatic issues/concerns. The Contractor shall provide weekly email agenda to the designated Government PM, and Contracting Officer one day prior to the weekly scheduled meetings. The updates shall be a minimum of one paragraph and shall be furnished to include, but not limited to, issues involving design, development, fabrication, testing, cost, funding, quality control, production, task tracking, schedule, and other programmatic issues. It shall also identify any programmatic problems that may have arisen from the previous week and shall have proposed solutions identified. This weekly update also includes a weekly teleconference between the Government, the Prime Contractor and any relevant Sub-Contractors.

C.13.8. Logistics Guidance Conference. The contractor shall participate in a Logistics Guidance Conference to be convened within 5 days after the Post Award Conference. This conference should take place at the Soldier Systems Center in Natick, Massachusetts. The purpose of this Conference is to discuss the specific contractual requirements pertaining to provisioning, packaging, and technical publications deliverables and to ensure a common understanding of the overall logistics requirement.

C.13.9. Logistics Demonstration
A Logistics Demonstration (LD), the non-destructive disassembly and reassembly of the TRICON Refrigerated Container System (TRCS), shall be performed to demonstrate the systems supportability and maintainability. The LD shall take place at the Contractor's facility. This event is a government held, government run event. The Contractor shall provide support for the LD event including, but not limited to, facilities, a production-like end item, tools, and appropriate engineering, technical, and logistics support personnel.

The LD will be performed to evaluate achievement of the following:

Maintainability - As requested by the Government, the Contractor shall review the TRCS design, identify supportability deficiencies, and recommend improvements/enhancements.

System Support Package (SSP) - As requested by the Government, evaluate the preliminary SSP to include the interface of TMDE and other support equipment with the TRCS.

System Safety - As requested by the Government, review the design of the TRCS to ensure identification of operation and maintenance hazards, and confirm the safety of all operation and maintenance procedures and tasks.

Equipment Publications - Prove that the TRCS operator and maintenance manual conforms to the specified requirements of CDRL A004 to include confirming the:

- Operator instructions
- Troubleshooting and service procedures
- Maintenance instructions
- Illustrations

Task and Skill Requirements - As requested by the Government, confirm the task and skill requirements for operator and maintenance personnel by level of maintenance. Two level Maintenance (Organizational/Intermediate) for both the Army and the Air Force.

Maintenance Time Standards - As requested by the Government, confirm the maintenance time standards for the maintenance functions through performance of the task by properly trained military maintenance personnel, and verify the maintenance manpower and personnel requirements.

C.13.10. Monthly Progress reports (CLIN 0003BF). The Contractor shall prepare Monthly Progress reports in accordance with CDRL A030.

Name of Offeror or Contractor: MAINSTREAM ENGINEERING CORPORATIONC.14. TRAVEL REQUIREMENTS.

C.14.1. The Contractor may be required to travel to Natick, MA on approximately a quarterly basis to attend program meetings. Meeting durations shall be one day.

C.14.2. The Contractor shall be present during testing at locations away from the Contractor's facility as described previously herein.

C.14.3. The Contractor shall attend the post award conference, validation and verification conferences and other program conferences which shall be held at location to be determined (TBD).

C.14.4. The Contractor shall also support the project from conception all the way through to fielding and support of the units. A proactive approach to addressing problems that arise shall be required of the Contractor.

C.14.5 Pack Out Demonstration: The Contractor shall support the pack out demonstrations for the Army and the Air Force at two different CONUS locations to ensure that the pack-out requirements are met for both the Army Type I and the Air Force type III TRCS.

C.15. Air Force Readiness (CLIN 0010AA).

C.15.1. Mission Readiness Spares Package (MRSP). TRICON Refrigerated Container System's (TRCS) are War Reserve Units. Projected deployments are to sites that are not expected to have mature lines of supply for the first 60 days of deployments. Therefore; to bridge the support gap, MRSP kits are required to be deployed with each unit. This requirement is in addition to the identification and stocking of initial spares. The MRSP kit baseline requirement is the parts that are required to conduct the anticipated preventative maintenance and field level repairs for the first 1440 hours of unit operations at deployed locations. Contractor shall provide a list of spare parts for the MRSP kits 30 days after FAT Report approval.

*** END OF NARRATIVE C0001 ***

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SECTION F - DELIVERIES OR PERFORMANCE

<u>Status</u>	<u>Regulatory Cite</u>	<u>Title</u>	<u>Date</u>
F-1 CHANGED	52.211-9	DESIRED AND REQUIRED TIME OF DELIVERY	JUN/1997

(a) The Government desires delivery to be made according to the following schedule:

DESIRED DELIVERY SCHEDULE

ITEM NO.	QUANTITY	WITHIN DAYS AFTER DATE OF DELIVERY ORDER
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First Ordering Period
(Two Years)

Contractor may be required to produce a maximum of sixty (60) production units per month regardless of Type.

The Delivery Schedule shall begin 180 days after receipt of each delivery order.

0001AA	2	Fabrication shall be completed by 90 Days after issuance of Delivery Order
0001AB, 0001AC, 0001AD, 0001AE	As stated per Delivery Order	30 per month, Beginning 180 days after approval of FAT and/ or 60 days after issuance of Delivery Order and 30 per month thereafter
0002AA	2	Fabrication shall be completed by 90 Days after issuance of Delivery Order
0002AB through 0002BF	As stated per Delivery Order	30 per month, Beginning 180 days after approval of FAT and/ or 60 days after issuance of Delivery Order and 30 per month thereafter
0003AA through 0003BG	As Required	IAW CDRLs A001 through A031
0004AA	2	Fabrication shall be completed by 90 Days after issuance of Delivery Order
0004AB, 0004AC	As stated per Delivery Order	30 per month, Beginning 180 days after approval of FAT and/ or 60 days after issuance of Delivery Order and 30 per month thereafter
0005AA	As stated per Delivery Order	30 per month, Beginning 180 days after approval of FAT and/ or 60 days after issuance of Delivery Order and 30 per month thereafter
0006AA	1	First Article Testing shall be completed by 01 May 2014
0007AA, 0007AB	As stated per Delivery Order	30 per month, Beginning 180 days after approval of FAT and/ or 60 days after issuance of Delivery Order and 30 per month thereafter
0008AA	As stated per Delivery Order	30 per month, Beginning 180 days after approval of FAT and/ or 60 days after issuance of Delivery Order and 30 per month thereafter

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0009AA As stated per 30 per month, Beginning 180 days after
Delivery Order approval of FAT and/ or 60 days after
issuance of Delivery Order and
30 per month thereafter

Second, Third, and Fourth Ordering Period
(One Year each)

The production rate for the Second, Third, and Fourth Ordering Periods shall be the same rate as the First Ordering Period.

If the offeror is unable to meet the desired delivery schedule, it may, without prejudicing evaluation of its offer, propose a delivery schedule below. However, the offerors proposed delivery schedule must not extend the delivery period beyond the time for delivery in the Governments required delivery schedule as follows:

REQUIRED DELIVERY SCHEDULE

ITEM NO.	QUANTITY	WITHIN DAYS AFTER DATE OF DELIVERY ORDER
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First Ordering Period
(Two Years)

Offeror may be required to produce a maximum of sixty (60) production units per month regardless of Type.

The Delivery Schedule shall begin 180 days after receipt of each delivery order.

0001AA	2	Fabrication shall be completed by 90 Days after issuance of Delivery Order
0001AB, 0001AC, 0001AD, 0001AE	As stated per Delivery Order	30 per month, Beginning 180 days after approval of FAT and/ or 90 days after issuance of Delivery Order and 30 per month thereafter
0002AA	2	Fabrication shall be completed by 90 Days after issuance of Delivery Order
0002AB through 0002BF	As stated per Delivery Order	30 per month, Beginning 180 days after approval of FAT and/ or 90 days after issuance of Delivery Order and 30 per month thereafter
0003AA through 0003BG	As Required	IAW CDRLs A001 through A031
0004AA	2	Fabrication shall be completed by 90 Days after issuance of Delivery Order
0004AB, 0004AC	As stated per Delivery Order	30 per month, Beginning 180 days after approval of FAT and/ or 90 days after issuance of Delivery Order and 30 per month thereafter
0005AA	As stated per Delivery Order	30 per month, Beginning 180 days after approval of FAT and/ or 90 days after issuance of Delivery Order and 30 per month thereafter
0006AA	1	First Article Testing shall be completed by 01 May 2014
0007AA, 0007AB	As stated per Delivery Order	30 per month, Beginning 180 days after approval of FAT and/ or 90 days after

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		issuance of Delivery Order and 30 per month thereafter
0008AA	As stated per Delivery Order	30 per month, Beginning 180 days after approval of FAT and/ or 90 days after issuance of Delivery Order and 30 per month thereafter
0009AA	As stated per Delivery Order	30 per month, Beginning 180 days after approval of FAT and/ or 90 days after issuance of Delivery Order and 30 per month thereafter

Second, Third, and Fourth Ordering Period
(One Year each)

The production rate for the Second, Third, and Fourth Ordering Periods shall be the same rate as the First Ordering Period.

(End of Clause)