

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Firm-Fixed-Price

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2. Amendment/Modification No. 0003	3. Effective Date 2012AUG22	4. Requisition/Purchase Req No. SEE SCHEDULE	5. Project No. (If applicable)
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6. Issued By DLA LAND WARREN ZGA RACHEL CAPALDI (586)282-3188 WARREN, MI 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: RACHEL.CAPALDI@US.ARMY.MIL	Code SPRDL1	7. Administered By (If other than Item 6)	Code
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8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)	<input checked="" type="checkbox"/>	9A. Amendment Of Solicitation No. SPRDL1-12-R-0071
		9B. Dated (See Item 11) 2012JUN21
	<input type="checkbox"/>	10A. Modification Of Contract/Order No.
		10B. Dated (See Item 13)

Code 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 2 signed 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)

**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 type="checkbox"/>	C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:	
<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)	
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

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Name of Offeror or Contractor:

SECTION A - SUPPLEMENTAL INFORMATION

The purpose of this amendment 0003 to Solicitation SPRDL1-12-R-0071 is to add the following paragraph's to the Section C, Scope of Work:

SHELVING REQUIREMENTS

A Type 1 TRICON (NON-CARC/CARC Green or Tan) with 1 shelf shall consist of one transverse half shelf measuring a minimum of 48 inches long by 73.5 inches wide and shall be 1 inch thick. A minimum of three (3) decking and shoring beams shall be included with this shelf system.

NSNs 8150-01-598-8944 P/N 5-13-9766-1-1S and 8150-01-598-8943 P/N 5-13-9766-2-1S

A Type 1 TRICON (NON-CARC/CARC Green or Tan) with 2 shelves shall consist of 1 longitudinal full shelf consisting of two pieces each measuring a minimum 91 inches long by 36.75 inches wide and shall be 1 inch thick. A minimum of five (5) decking and shoring beams shall be included with this shelf system.

NSNs 8150-01-598-8947 P/N 5-13-9766-1-2S and 8150-01-598-8952 P/N 5-13-9766-2-2S

A Type 2 TRICON (NON-CARC/CARC Green or Tan) with 1 shelf shall consist of 1 longitudinal full shelf with two pieces each measuring a minimum of 88 inches long by 36.75 inches wide and shall be 1 inch thick. A minimum of five (5) decking and shoring beams shall be included with this shelf system.

NSNs 8150-01-598-8964 P/N 5-13-9767-1-1S and 8150-01-598-8961 P/N 5-13-9767-2-1S

A Type 2 TRICON (NON-CARC/CARC Green or Tan) with 2 shelves shall consist of 2 full longitudinal shelves consisting of 4 pieces each measuring a minimum of 88

inches long by 36.75 inches wide and shall be 1 inch thick. Each full shelf shall consist of 2 pieces and a minimum of 5 decking and shoring beams, therefore a minimum of ten (10) decking and shoring beams shall be required with this container system.

NSNs 8150-01-598-8957 P/N 5-13-9767-1-2S and 8150-01-598-8968 P/N 5-13-97

All other terms and conditions remain unchanged.

*** END OF NARRATIVE A0004 ***

Name of Offeror or Contractor:

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

STATEMENT OF WORK:

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1. Scope
2. Applicable Documents/References
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7. Provisioning Parts List
8. Engineering Data for Provisioning

Appendix B: MIL-STD-49506, Appendix B (Data Product Deliverable) See attached

PROVISIONING
STATEMENT OF WORK
For
TRICON CARGO CONTAINERS TYPES I & II

1. SCOPE: This Statement Of Work (SOW) defines and specifies the actions and tasks required for providing the United States Government a complete range of technical data products necessary to ensure logistical support for the end article or end item.

a. Requirements and Schedule. Contractors should refer to this SOW to determine the Government work requirement(s) and to the Department of Defense (DD) Form 1423, Contract Data Requirement List (CDRL) of each data item for the individual schedule for delivery of the data product to the Government.

b. Deviation from SOW. The Contractor shall not deviate from this SOW and associated DD Form 1423 (S). Deviation from the SOW shall only occur by the approval and direction of a Contracting Officer.

c. Request for SOW Deviation: Contractor deviation from this SOW and/or DD Form 1423 must receive prior Government approval. If a deviation is required, the Contractor will present a request, in writing, to the Contracting Officer for an In-Process Review (IPR) to present the details of the request for deviation to the appropriate office. The Government shall provide approval or rejection to the request for deviation within 10 days of the IPR.

d. Data Products. The following data items for technical data product(s) shall be developed by the Contractor for the end article and submitted to the Government by the schedule contained in the CDRL.

<u>DATA ITEM</u>	<u>DATA PRODUCT</u>	<u>SOW PARAGRAPH</u>
A001	Maintenance Allocation Chart (MAC)	6

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A002	Provisioning Parts List (PPL)	7
A003	Engineering Data For Provisioning (EDFP)	8

2. Applicable Documents/References: The following Army Regulations (AR), Data Item Descriptions (DID), Military Specifications and Standards, websites, and other publications are part of this SOW for delivery of technical data products. Site location for download of cited references are listed.

2.1 Army Regulations. Download at *HYPERLINK "<http://www.army.mil/usapa/index.html>"<http://www.army.mil/usapa/index.html>
Publications Number Title

AR700-18	Provisioning of U.S. Army Equipmen
AR700-82	Joint Regulation Governing the Use And Application of Uniform Source Maintenance and Recoverability Code
AR750-1	Army Material Maintenance Codes

2.2 Military Standard. Download at *HYPERLINK "<https://www.logsa.army.mil40051/menu.cfm>"<https://www.logsa.army.mil40051/menu.cfm>

<u>Publications Numbe</u>	<u>Title</u>
MIL-STD 40051-2 w/Change 3	Preparation of Digital Technical Information for Page-based Technical Manuals

2.3 Data Item Descriptions. Download at *HYPERLINK "<https://assist.daps.dla.mil/quicksearch/>"<https://assist.daps.dla.mil/quicksearch/>

<u>Publications Number</u>	<u>Title</u>
DI-ALSS-81529	Logistics Management Information(LMI) Product
DI-ALSS-81530	Logistics Management Information Summaries

2.4 Cataloging Websites.

DODD 4100.39.M Federal Logistics Information System Procedures Manual *HYPERLINK "<http://www.dlis.dla.mil/forms/forms.asp>"<http://www.dlis.dla.mil/forms/forms.asp>

H4 Commercial And Government Entity Code (CAGEC) Search
Superseded by: Business Identification Number Cross
Reference
*HYPERLINK "https://www.bpn.gov/bincs/begin_search.asp"https://www.bpn.gov/bincs/begin_search.asp

H6 Item Name Search - *HYPERLINK "<http://www.dlis.dla.mil/H6/>"<http://www.dlis.dla.mil/H6/>

ASSIST-Quick Search - *HYPERLINK "<https://assist.daps.dla.mil/quicksearch>"<https://assist.daps.dla.mil/quicksearch>

Provides direct access to Defense and Federal specifications and standards available in the official DoD repository. For questions or problems in accessing this website, the ASSIST Help desk may be reached at 215-697-6396. Website location is:

2.5 Additional Reference(s):

<u>Publications Number</u>	<u>Title</u>
MIL-PRF 49506	Performance Specification Logistics Management Information

2.6 Appendix: included as part of this SOW.

<u>Publications Number</u>	<u>Title</u>
MIL-PRF-49506	Appendix B, MIL-PRF-49506, LMI

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Data Products

2.7 Order of Precedence. In the event of a conflict between the text of this SOW and the references cited herein, the text of this SOW takes precedence. Nothing in this SOW, however, supersedes applicable laws and regulations.

3. Conferences and Reviews: The Government requires the following conferences and program in-process reviews to provide guidance, ensure program development, and quality of the Contractor developed logistical support data products. Contractors must attend these meetings in person.

- 3.1 Logistics Guidance Conference
- 3.2 Maintenance Allocation Chart In-Process Review
- 3.3 Provisioning Quality Assurance Review(s)
- 3.4 Government Provisioning Conference

The following SOW paragraphs give guidance to the support required from the Contractor at these conferences and reviews. The Contractor or a Contractor Designated Representative, as directed by this SOW, shall be a required attendee at all conferences and/or review(s).

3.1 Logistics Guidance Conference: To ensure mutual understanding of the end article / end item and to discuss logistical support requirements that exist between the Contractor and Government. A Logistics Guidance Conference shall be held to discuss these Logistics Data Product(s), as well as Contractor and Government responsibilities, roles, scope of work, and to assign appropriate Points of Contact (POC). The Logistic Guidance Conference will be a primary event to discuss and clarify requirements of the SOW, schedule, and tasks.

A one day logistics guidance conference shall be held within 30 Days of Contract Award (CA) at the Soldier Support Center, Kansas St. Natick, MA The Logistic Guidance Conference will be conducted during regular business hours of 0900 1500, Monday through Friday. The date and time will be mutually agreed upon between the Government and Contractor. The Government will host, provide facilities, and facilitate the conference.

The Logistics Guidance Conference is a combined discussion of all Government requirements and data products that includes New Equipment Training (NET), Provisioning / Maintenance, and Technical Publications. The stated Government contract data product requirement(s) will determine the Contractor personnel attendance. The Contractor should provide appropriate representation at this conference to ensure a thorough understanding of the support requirements of all functional areas.

a. Contractor Furnished Information (CFI) - The Contractor shall provide the Government with the Commercial and Government Entity Code (CAGEC) and Part Number (P/N) of the end article/end item at the Logistics Guidance Conference.

b. Government Furnished Information (GFI) - The Government shall provide the following GFI to the Contractor within 30 days after the Logistics Guidance Conference.

- 1. Official Name/Nomenclature
- 2. Provisioning Contract Control Number (PCCN)
- 3. Provisioning Control Code (PCC) or Use-On-Code (UOC)
- 4. Technical Manual Code
- 5. Model Record Data

3.2 Maintenance Allocation Chart In-Process Review (IPR): An IPR shall be scheduled within 30 days of Contract Award which is prior to the Contractors first submission of the Initial Maintenance Allocation Chart (MAC) to the Government. The Contractor shall present a proposed MAC and maintenance actions to the Government at an IPR held at the Contractors facility during regular business hours of 0900 1500, Monday through Friday on a date and time dictated by program schedule, and mutually agreed on by the Contractor and Government. Length of the conference will be determined by the Contractor and complexity of the system. The IPR shall be a Contractor briefing and Government review of the MAC functional group breakdown, maintenance actions, and maintenance levels of the end item.

a. Contractor Personnel - The Contractor shall provide appropriate personnel to support the IPR and present the required content to the Government and respond to Government comments and questions.

b. Contractor Briefing - The Contractor shall present a detailed briefing of the theory and principles of operation of the End Item (EI) and/or sub-components, the MAC functional group breakdown, maintenance actions and processes, maintenance times, equipment troubleshooting strategy and logic. The Contractor will provide a top down breakdown engineering drawing tree of the end item to the Government personnel. The Contractor may use block diagrams, drawings, functional flow charts, and/or schematics to support the functional breakdown of the system and subcomponents. The Contractor Will determine the agenda and may use appropriate office media (e.g., charts, slides, hand-outs) to present the supporting information.

c. Contractor Furnished Documentation - Contractor provided aids in the Government evaluation of the MAC are listed below. Presentation of this documentation at the MAC IPR ensures the Government understanding and reasoning of the functional group breakdown. Documents not provided must be addressed by the Contractor at the IPR. These documents aid the Government evaluation of the submitted MAC.

- 1. Preliminary Maintenance Allocation Chart

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2. Schematic diagram of Equipment Functional Groups and Relationships
3. Top down Generation Breakdown Drawing Tree of the End Item
4. Troubleshooting Logic Diagram of the End Item
5. Components Of End Item List (COEI)
6. Basic Issue Items List (BII)
7. Additional Authorized List (AAL)
8. Expendable/Durable List
9. Tool Identification List

d. Government Acceptance - The Government shall determine the final MAC structure and direct the Contractor to make any MAC change(s) deemed necessary. After Government review and acceptance of the MAC, the Government approved MAC shall form the base line for the associated Technical Manual(s) (TM) and provisioning effort. The Government approved MAC shall be included with each submission of the appropriate technical manual. Any revision made to the MAC after Government acceptance shall be presented and reviewed at a Contractor requested IPR and approved by the Government.

e. Equipment - The contracted end item(s), kits, and/or accessories shall be available for Government review during the MAC IPR. The end item shall be set-up as configured for operation during the review.

f. Contractor Facilities - The Contractor shall provide the following facilities for the IPR:

1. A sheltered, temperature controlled work area that provides protection from the weather.
2. Office space with adequate worktables and chairs. All office space and work areas shall be free of all dusts, fumes, slip, trip, and fall hazards and provide adequate work area to perform required tasks.
3. All work areas should provide adequate protection from the weather and provides for adjustable temperature controls.
4. Connection to the internet as required to perform necessary work functions.

3.3 Provisioning Quality Assurance Reviews: In-Process Reviews (IPR) shall be as requested by the Contractor or Government to assure the quality of logistics data products. The Contractor may and is encouraged to request an IPR if Government assistance, guidance, or review is required. Conferences shall be held at a Contractor or Government facility during a 1-2 day period. The Contractor or Government will give 10 calendar days notification of a requested IPR. The Contractor should plan on hosting a minimum of three quality assurance reviews at the Contractor facility unless product development requires additional IPRs. Reviews shall be scheduled at no additional cost to the Government. A Contractor request for an IPR shall be sent to the Contracting Officer or Contracting Officer Representative.

a. Agenda and Schedule: The IPR agenda will be to review the status of contract data products and establish an opportunity for the Government to resolve problem areas with provisioning data and product development by the Contractor. The subject IPR schedule will be flexible and occur on an as needed basis and may be invoked by either the Contractor or Government as program development issues dictate. If scheduled at the Contractor facility, the Contractor shall make available appropriate support personnel for the IPR.

b. Equipment: The end article, kits and/or accessories shall be available for Government review, if requested. The end item shall be set-up, as configured for operation during the review, if requested.

c. Facilities: If scheduled at the Contractor facility, the Contractor will provide the following facilities for the IPR: a sheltered and heated work area for the end article, restrooms, and office space with adequate worktables and chairs. The office space and work areas shall be free of all dusts, fumes, slip, trip, and fall hazards, provide adequate work area to perform tasks, protection from the weather, and temperature control.

3.4 Government Provisioning Conference: The Government Provisioning Conference shall be required to take place at the Contractors facility on a date and time dictated by program schedule and as indicated on the CDRL and mutually agreed on by the Contractor and Government. The number of provisioning items on the end item shall determine the conference length. As general guidance, the Contractor should plan support for five (5) business days per 300 assemblies/subassemblies/repair parts on the Provisioning Parts List (PPL)/Repair Parts Special Tools List (RPSTL).

a. Purpose - Acquire and use Engineering Data For Provisioning (EDFP), Provisioning Technical Documentation (PTD), and Supplemental Provisioning Technical Documentation (SPTD) to identify supply support for the End Item (EI). To complete provisioning actions associated with the provisioning decision process, that is, selecting, coding, computing, cataloging, procuring and distributing of support items. The provisioning conference will be used as a tool to identify and verify the items on the Repair Parts Special Tools List (RPSTL), concurrently listed on the Provisioning Parts List (PPL), and supported with the Engineering Data for Provisioning (EDFP) against the Government approved production model of the end item.

b. Objective - The primary objectives of the Army provisioning activities are to ensure that minimum initial stocks of support items and associated technical documentation are available at using organizations, maintenance facilities and supply activities. Ensure logistics data are updated with field experience to ensure maintenance sustainment throughout the fielding process. The initial stocks are required to sustain the programmed operation of systems and EI until normal replenishment can be accomplished. Equipment will be provided to support the stated system availability or System Readiness Objectives (SRO). Determination of logistics support for the EI is to be determined by the Government and provided at the least initial investment cost.

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c. Government Review - The Government will do an item-by-item review of each RPSTL assembly, subassembly, or repair part to consider whether item will be procured, not procured, or procured at the next higher level of assembly consistent with the maintenance concept. The Contractor shall present EDFP, PTD, and/or SPTD to support all sources of supply of each item on the PPL/RPSTL. The Government will review and evaluate the adequacy of engineering data for full item descriptions of all procured items. The Government will evaluate Contractor research of an existing National Stock Number (NSN) and concur or non-concur. The Government will review each Commercial And Government Entity Code (CAGEC) and part number to determine if there is an existing NSN within the Department of Defense (DOD) supply system.

The Defense Logistics Information Service (DLIS) and the Government Equipment Specialist will determine if the approved item name is correct and sufficient. Additional information may be added to the description in the RPSTL and PPL to further identify and describe the provisioned item. The Government will determine if any established cataloging data requires correction on an existing NSN in the DOD supply system and assign Government responsibility. The EDFP, PPL, RPSTL, and TM reviewed at the Government provisioning conference will be corrected or updated by the Contractor with the guidance received at the provisioning conference and submit the corrected copy as required.

d. Document Support - The Contractor shall provide copies of the MAC, Technical Manual(s), Repair Parts Special Tools List, Provisioning Parts List, and Engineering Data for Provisioning at the Government Provisioning Conference as required in the Government Provisioning Conference Plan.

e. Contractor Technical Support - The Contractor shall provide a technical consultant or Field Service Representative (FSR) with expert technical knowledge of the end item and familiar with all aspects (operation, maintenance processes, repair part(s) and demand rates) of the end item and related equipment. The FSR should be prepared to answer questions and point out, if requested by Government team, the location and function of the provisioned item. This facilitates a relationship review of RPSTL item on the contracted end article by the Government team. There will be no teardown or disassembly of the end article, unless requested.

f. Contractor Data Collection - The Contractor shall be prepared with necessary personnel, supplies, and equipment to capture text, data field, and illustration change(s) identified during the provisioning conference of the RPSTL, PPL, and/or EDFP. The Contractor shall prepare a master mark-up of the PPL, RPSTL, and/or EDFP of change(s)/updates identified during the conference. A copy of the master mark-ups shall be delivered to the Government representative at the close of the provisioning conference.

The Contractor shall make all directed updates and corrections to the RPSTL, PPL, and EDFP depending upon Government guidance and cataloging decisions made at the provisioning conference. Corrected and/or updated data shall be included in the next submission of deliverables such as the Technical Manual, Provisioning Parts List, and Engineering Data for Provisioning. Technical Manual Final Reproducible Copy (FRC) will not be accepted without inclusion of all technical data captured during the Government Provisioning Conference.

The Contractor shall record the following for each Provisioning List Item Sequence Number (PLISN) on the PPL during the provisioning conference. The Contractor shall provide a copy of this record to the Government at the conclusion of the provisioning conference.

1. PLISN items identified with existing National Stock Number (NSN), Commercial And Government Entity Code (CAGEC), and Part Number.
2. PLISN items reviewed and accepted with acceptable EDFP data.
3. PLISN items reviewed and rejected with insufficient EDFP data and deficiency noted.
4. Nomenclature, CAGEC, Part Number, and Federal Supply Class for each PLISN.

g. Contractor Facilities - The Contractor shall host the Government Provisioning Conference and provide the following facilities: a sheltered and heated work area for the end article, restrooms, and office space with adequate worktables and chairs. The office and work areas shall be free of all dusts, fumes, slip, trip, and fall hazards, provide adequate work area to perform tasks, protection from the weather, and temperature control. The Contractor shall provide Government personnel access to electrical power and internet connection or phone lines to accommodate a minimum of two Government laptop computers used by the Government personnel for provisioning research. The Contractor shall provide the following office equipment: Copy machine, paper, fax, and telephone.

h. Equipment - The Contractor shall make available the following item of equipment. One Government approved production model of the end article, related equipment, and associated components. The end article shall be set-up as configured for operation during the review, if required by the Provisioning Conference Plan. The Contractor shall have Material Handling Equipment (MHE) to move or relocate assemblies and/or components of the end article if requested by the Government.

i. Government Provisioning Conference Plan - A detailed Provisioning Conference Plan will be made available to the Contractor 30 calendar days prior to the scheduled conference that outlines the agenda, attendees, and specific Contractor and Government roles and responsibilities. The Government will facilitate the conference and determine the conference schedule with concurrence by the Contractor.

4. Data Product Development and Submittal: The Contractor shall identify to the Government the most effective method of Logistics Management Information (LMI) development, delivery and strive to eliminate unnecessary intermediate steps or deliverables. It is not the intent of the Government to prescribe the Automatic Data Processing (ADP) software used for data processing. The ADP systems that are cost effective are encouraged. The Contractor may, and is encouraged to, suggest alternative means of satisfying requirements to make information more readily available and to utilize more efficient business practices.

The LMI provisioning data product must be compatible between the Contractor and Government ADP systems. TACOM Life Cycle Management

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Command, Integrated Logistics Support Center (ILSC), Soldier Support Integration Directorate (PSID) uses the Army Materiel Command (AMC) developed Logistics Modernization Program (LMP) applications program to process provisioning data.

a. Provisioning Data Development Software - Contractors may use any software desired as long as the data product is compatible with the Government APD systems.

PowerLOG-J is not a software requirement of this Statement of Work but may be used and is designed to assist Contractors in developing and integrating their supportability analysis databases. PowerLOG-J Logistics Support Data System is a stand-alone acquisition logistics data management tool provided at no cost to Contractors by the Government that satisfies requirements for the Logistics Management Information (LMI) and Logistics Support Analysis Record (LSAR).

PowerLOG-J can be used to develop, evaluate, review and integrate logistics data for materiel systems and generate logistics support summaries such as the Provisioning Parts List (PPL), Repair Parts and Special Tools List (RPSTL), Provisioning Technical Documentation (PTD), Maintenance Allocation Chart (MAC), maintenance plan, Supporting Equipment Recommendation Data (SERD), Failure Modes Criticality Analysis (FMCA), packaging requirements and bill of materials. PowerLOG is downloadable at *HYPERLINK "https://www.logsa.army.mil/lec/powerlog/"<https://www.logsa.army.mil/lec/powerlog/>.

b. Computer Requirements for PowerLOG-J - The minimum requirements for a PowerLOG-J client or embedded machine are a Pentium 3 class CPU with 256 MB of RAM. For any real work, a Pentium 4 class CPU with 512 MB is strongly recommended. Any operating system with a Java 1.4 or higher Virtual Machine should work. It will load MIL-STD-1388-2B, 2A LSA-036, 2B, LSA-036, and MIL-STD-1552 (PMR) data formats. PowerLOG-J user training is available via a two day course. Information about training is available at the PowerLOG-J website.

c. Legibility and Reproducibility - The Contractor shall furnish data products of sufficient clarity so that every line, letter, and character of data is clearly legible. The reproducibility shall be sufficient to maintain its legibility requirement. All data products shall be submitted in English and only one side of each sheet of paper will be used.

d. Submission of Contract Data Products - Contractor delivery of logistics data products (electronic and hardcopy) to the Government will include a transmittal letter that clearly states the contracted item name, contract number, logistics data product, and submission number (Draft, Initial, Second, Final). A Compact Disk (CD) containing logistics data products will be clearly marked and/or tagged with the preceding data. Data products will be sent to the Contracting Officer (KO) for distribution to the appropriate office(s). Submittal other than stated in the SOW will not be accepted.

e. Subsequent Submittals/Change Listing - Data products submitted (second, third, or final) after the initial or preliminary data product submission shall, in addition to the submittal, include a listing document of all change(s), additions, or removal(s) to the product. This listing in Contractor format shall clearly and completely point out and identify all data that has changed on the data product(s) from the previous submission.

f. Government Rejection of Data Product - Contractor submission without a transmittal letter, required markings, change listing, or not submitted through the KO will be rejected by the Government. The Government will provide a letter of acceptance or rejection following Government review of the submitted Contractor data product.

g. Packaging of Data Products - Data products shall be packed to assure arrival at destination in satisfactory condition. Containers and wrappings shall conform to best commercial shipping practices.

5. Provisioning Process and Interface: This section will describe how the Repair Parts Special Tools List (RPSTL) evolves from the provisioning process and how it interfaces with the other provisioning oriented documents. e.g., Maintenance Allocation Chart (MAC) and Provisioning Parts List (PPL).

a. Source, Maintenance, and Repair (SMR) Code (Ref: AR 700-82) - The SMR code is used as the basic means of communicating maintenance and supply instructions to the various Army users, and requires a medium by which it is to be broadcast to those user elements. The Repair Parts Special Tools List (RPSTL) often referred to as the Parts or P manual, is such a broadcast medium. These P manuals contain lists of repair parts and special tools, illustrations of the parts and tools which are particular to the End Item (EI) and are used at the authorized level of maintenance indicated by the maintenance code. Also, included in the P manual will be instructions on how to effectively use the particular manual, data on the particular manual, and data on the codes contained therein, and other pertinent information which are of interest to personnel working with the equipment or weapons systems for which the manual was prepared. The RPSTL manual format includes a table of contents; a tabular listing authorized spare/repair parts, a listing of special tools and support equipment, and a National Stock Number/Part Number index.

b. Preparation of the RPSTL - The preparation of the RPSTL, and thus, the concomitant broadcasting of supply and maintenance information to the users can only be successful if the Provisioning Parts List (PPL) is constructed; i.e., both must track with a properly prepared Maintenance Allocation Chart (MAC). Additionally, SMR codes, assigned during the provisioning process, impact the narrative Technical Manual (TM). For instance, those items source coded Assemble (A) or Manufacture or Make (M) must be included with the proper assembly/fabrication instruction in the applicable narrative manuals. Also, the maintenance codes (third and fourth positions of the SMR code) establish which category manual they replace (third position code) and repair (fourth position code) procedures will appear in. And, since the MAC establishes the breakdown structure followed in the PPL, both, thereby, dictate the structure of the RPSTL and narrative manuals. A prime requisite for TM production, in fact, is that the MAC, RPSTL, and narrative manuals all follow the same breakdown structure.

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c. Uses of the RPSTL - The RPSTL serves both the user in the field and the materiel developer. The person in the field uses the RPSTL as a ready reference for source, maintenance, and recoverability code information, valid NSN/manufacturers part number, and CAGEC for requisitioning purposes, for a description and illustration of a particular item, and for a count of the quantity of the item incorporated in the unit. The user is also provided the special tools, test, and support equipment requirements for the particular End Item/weapon system.

The materiel developer will use the RPSTL to examine and analyze interface (i.e., form, fit, and function) among assemblies of the EI, validate the MAC, (e.g., functional group codes match, maintenance levels of MAC relate to SMR codes; and finally, to influence the content of the narrative TMs).

d. PPL and MAC Preparation Interface - When the PPL and MAC are prepared in top down generation breakdown format, Functional Group Codes (FGC) must be assigned to all reparable items on the PPL during the provisioning process, and must agree with the MAC group numbers before RPSTL preparation can begin. These groups then become the basis for the RPSTL Table of Contents and figure/listing captions. The names used in the RPSTL must equate to the group number of the item called out in the MAC; all reparables must have a group or subgroup number assigned. The structure of the FGCs is keyed to the indenture structure of the PPL. Thus, the A indenture item (system/EI) will have a FGC equivalent to 0; B will be 01; C will be 0101, as an example. For ease of preparation and revision of the MAC, and since the group codes will appear on the PPL, the MAC should be structured according to the indenture codes for all assemblies in order to ensure traceability of Next Higher Assembly (NHA) relationship. If some groups are subsequently determined to be nonreparable, they may also be deleted later on.

A reparable item that appears as a one-line entry in the PPL will have an entry in the MAC. All reparables must be listed in the MAC as a minimum.

Compatibility between the MAC and PPL is a prerequisite for preparing the RPSTL, any disagreement between the two documents must be resolved. To ensure compatibility, the MAC must not be considered final until it is cross referenced against the PPL, and the FGCs have been verified.

6. Maintenance Allocation Chart: The Contractor shall develop and prepare a Maintenance Allocation Chart (MAC) in top down generation breakdown sequence in the logical order of disassembly starting with the end item and contain all functional groups that require maintenance. The process of breakdown is established from the engineering drawing structure in a Next Higher Assembly (NHA) progression until the lowest reparable in each family tree group is identified. All reparables must have a functional group or subgroup assigned that aligns with the applicable maintenance work package. The Repair Parts Special Tools List (RPSTL) identifies all repair parts required for the maintenance process. The Contractor shall prepare the MAC in two-level maintenance format in accordance with MIL-STD 40051-2 w/Change 3 and AR 750-1, aligned with the technical manual requirement.

The basic entries in the MAC shall be a list of functional groups applicable to the end item which require maintenance. The term functional group applies to reparable assemblies and subassemblies, i.e., spares (any component required for the maintenance or repair of an end item). The end item group shall be numbered "00," or its equivalent "AA."

Entries shall be item names (a basic name and a noun word or phrase modifier, e.g., transformer, pulse, low power) and, where applicable, type designators, without stock or Part Numbers (P/Ns) if possible, in order to minimize need for subsequent change; however, entries shall contain positive identification. Parts that are not subject to maintenance shall not be listed in the MAC. All item names of MAC functional groups shall be official nomenclature in accordance with the RPSTL nomenclature or other source as specified by the acquiring activity. Reverse word order shall be used in the MAC.

a. Functional Group Code (FGC): A basic (usually two-position) group code assigned to identify major components, assemblies, and subassemblies to a functional system. Subordinate sub-functional groups/subassemblies are coded to relate back to the basic (top position) FGC in a sequential, Next Higher Assembly (NHA) relationship (i.e., top-down breakdown structure).

1. Top-down is accomplished by sequencing all parts comprising the end item in a lateral and descending family tree/generation breakdown. This breakdown shall consist of the end item including all components, listing every assembly, subassembly, and part that can be disassembled, reassembled, and/or replaced. All parts shall be listed in their relation to the end item, component, assembly, or installation system in which they are contained and to their own further sub/subassemblies and parts. The only exception being welded components which will not be broken down into piece parts.

2. Breakdown is accomplished by starting with the end item as the A indentured item, and descending, by subsequent indenture levels (B, C, D etc.) resulting in a complete depiction of the end item. Major assemblies, sub-assemblies, or components would normally be at the B indenture level, etc., utilizing as many levels as necessary until the last item(s) are depicted. When more than one group is to be depicted at the same indenture level, standard practice and best maintenance procedures will dictate which group will appear first, (e.g., a cylinder head assembly would normally necessitate removal prior to removing the cylinder block assembly; therefore, the cylinder head assembly would appear prior to the cylinder block in the breakdown sequence.

b. Indenture - This top down breakdown relationship is shown by means of an indenture code in the Repair Parts Special Tools List and Provisioning Parts List. The indenture code indicates that the item is either associated with, contained in, or part of the preceding item identified with an indenture code of the preceding alpha character.

c. The maintenance code entered in the third position of the Source, Maintenance, and recoverability (SMR) code in the RPSTL shall be used to identify the lowest category of maintenance that is authorized to remove, replace, and use the spare or repair parts. SMR codes are defined in AR 700-82. All items on the MAC shall specify the maintenance level(s) to which a function is authorized.

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If the maintenance function is a replace only for a repair part, the repair part shall not be listed in the MAC, unless not listing the repair part would result in omission of the Next Higher Assembly (NHA) group number; in this case, the part shall be listed in order to list the NHA functional group number.

d. Preparation of Maintenance Instructions - Maintenance instructions shall be prepared and subdivided into individual work packages that support the functional groups of the MAC. The maintenance instructions provide information to enable the technician to receive, process, inspect, clean, service, test and repair the weapon system/equipment and associated Weapons Replacement Assemblies/Shop Replacement Assemblies (WRAs/SRAs) to an acceptable performance standard. Maintenance tasks shall be developed in accordance with the Logistics Management Information (LMI), Maintenance Allocation Chart (MAC) or Maintenance Plan, or the Source Maintenance, and Recoverability Codes (SMR) developed for the weapon system/equipment and components. Maintenance work packages shall be arranged to coincide with the Functional Group Code sequence followed in the MAC or Repair Parts Special Tools List (RPSTL). RPSTL figure titles shall align with the MAC functional groups.

e. Engineering Drawing Tree - The Contractor shall provide a top down generation breakdown engineering drawing tree of the end item with sufficient detail so that the Government can verify the functional groups and Next Higher Assembly (NHA) for each item listed on the MAC.

f. Government Review, Approval and Acceptance of MAC - The Contractor shall submit the proposed MAC to the Government during the required In-Process Review. After Government review and acceptance of the MAC breakdown, the Government approved MAC shall form the base-line for the associated technical manuals and provisioning effort. Submittal approval or disapproval by the Government shall be by way of a letter. If the Government rejects the MAC, the Government may require an additional IPR at the Contractor or Government facility to resolve problems with the rejected MAC. Any revision made to the MAC after Government acceptance shall be presented and reviewed at an IPR and approved by the Government. Submittal acceptance or rejection shall be by in the form of a letter.

g. Media - The Contractor shall prepare and deliver the MAC and Drawing Tree in paper hard copy and Compact Disk (CD) using Microsoft Word or equivalent electronic format.

h. Overview of Army Maintenance Strategy - Reference: Army Regulation 750-1. The two-level Maintenance Allocation Chart (MAC) designates overall authority and responsibility for the performance of maintenance functions on the identified end item or component within the Army maintenance system. The MAC shall include all maintenance significant components, assemblies, subassemblies, and modules. No item will be deleted from the MAC without Government approval. If a maintenance function is a replacement function only for a repair part, the item shall not be listed in the MAC, unless not listing the item would result in deletion of the group number, in which case the item shall be listed in order to retain the functional group number. Assemblies or Sub Assemblies requiring a test procedure before replacement shall also be listed on the MAC.

7. Provisioning Parts List: The Contractor shall develop and prepare a Provisioning Parts List (PPL) with all data elements selected by the Government from Appendix B, MIL-PRF-49506. Appendix B is provided as an attachment to this SOW. This reference is in accordance with DI-ALSS-81529 and shall be provided in 80-card column format. The Contractor shall provide the PPL at the Government Provisioning Conference in addition to the scheduled previous submissions.

The PPL shall be in a top down generation breakdown structure consistent with the Maintenance Allocation Chart (MAC). The MAC, Repair Parts Special Tools List (RSTL) and PPL organization shall be consistent and of the same sequence. The MAC is the base document which is used to sequence and generate the PPL. The RPSTL then becomes output product of the PPL.

The PPL shall be a recommended Spares List from the Contractor to the Government for replaceable or repairable assemblies, subassemblies, and repair parts. The list structured at the end item, component, or assembly level, shall contain the end item, component, or assembly equipment and all support items that can be disassembled, reassembled, or replaced, and which combined, constitute the end item, component, or assembly equipment.

The Contractor shall identify on the PPL all interchangeable part numbers, drawing numbers, and specification numbers for each item listed in the PPL. All P coded items that will be provisioned as a result of the Provisioning Conference will be supported with applicable Engineering Data for Provisioning.

a. Media - The Contractor shall prepare and deliver the PPL in paper hard copy and Compact Disk (CD) using the electronic format as specified in the next paragraph.

b. Input media requirements for provisioning data - TACOM Life Cycle Management Command, Integrated Logistics Support Center (ILSC), Soldier Support Integration Directorate (PSID) uses the Army Material Command (AMC) developed Logistics Modernization Program (LMP) applications program to process provisioning data. These programs are designed to accept a Compact Disk (CD) which meets the following criteria:

1. Must be either MIL-STD 1388-2A, MIL-STD 1388-2B or MIL-STD-1552 File Format
2. American Standard Code for Information Interchange (ASCII) text file
3. No header data
4. 80 columns in width
5. Carriage return code for line end

c. Government Acceptance - The PPL shall contain all data fields selected from MIL-PRF-49506, Appendix B, before being accepted by the

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Government. Appendix B is provided as an attachment to this SOW. The PPL will be manually reviewed by a Government representative to ensure accuracy of the PPL. The PPL must also pass the Logistics Modernization Program Staging Area validation operation with an error rate of less than (<) 2% before final acceptance by the Government. The PMR edit operation was developed for editing certain data element values against other specific data element values to ensure compatibility. Payment of the CDRL is contingent upon Government acceptance of the FINAL submittal.

d. Source, Maintenance and Recoverability (SMR) Codes - All National Stock Number (NSN) items shall be Source coded P. Procured and non-procured items should be coded in accordance with Army Regulation 700-82. The Government will determine the final SMR coding of each provisioned item on the basis of the individual application.

e. Essentiality Code: - This code is used to indicate an end items essentiality in relationship to an Army mission or the extent to which failure of the component spare/repair part affect the ability of the end item to perform its intended mission. The Essentiality Code is significant to the provisioning process in that it impacts the support item requirement determination process when availability computational models are utilized. To determine the EC for support items, the Contactor will evaluate the function of each support item in terms of its essentiality to the operational readiness of the end item or system.

f. PLISN Numbering - The End Item (EI) Model Record shall be numbered AAAA. Subsequent EI Model Records shall be numbered AAAB, AAAC, and so on with individual Use on Codes (UOC) for each model record. The Contractor shall follow the Government structure of model records, i.e., part numbers, use on codes, and sequence. The Contractor will coordinate with the Government representative and structure the model records as the Government has structured the files within the Provisioning Master Record (PMR) within the Logistics Modernization Program (LMP). Submittals structured in a different manner will be rejected and must be corrected. Other than Model Record PLISNs, all PPL items shall start with PLISN A010 (Figure 1, Item 1) and each following item incremented by 10. e.g., A010, A020, A030 through A990. After A990 continue with B010, B020 through B990 and continuing with all letters of the alphabet (excluding I and O) as the first position character. Any deviation of PLISN numbering shall requested and will be addressed to the Government at Contractor requested IPR.

g. Approved Item Name - The Contractor shall use an Approved Item Name (AIN) for all entries in the PPL and technical manual processes and procedures involving repair parts. The Contractor shall review the H6 Federal Name Directory and select the most appropriate nomenclature for the item. Selected AIN will be used in all technical manual maintenance processes and procedural references. Contractor naming will be reviewed at the Government provisioning conference to determine Government acceptance or rejection of the submitted AIN. Deviation from an AIN may be addressed at this conference. If the nomenclature is changed, the Contractor shall update the TM references, PPL, and RPSTL with the Government approved AIN of the provisioned item.

h. Proprietary Names - Trade names, copyrighted names, proprietary names that would require the use of a product or process of one company shall not be used.

i. Prescreening of Part Numbers - The Contractor shall research and prescreen all submitted repair parts (CAGEC and Part Number) and technical characteristics for existing National Stock Numbers (NSN) within the Department of Defense supply system and include this information on the submitted PPL. The Contractor shall keep a record all NSN research efforts and final results. The NSN record shall be presented at the Government Provisioning Conference. Confirmation of screened NSNs on the PPL shall take place at the Government Provisioning Conference by the Defense Logistics Information Service (DLIS). The DLIS screening of the PPL will be utilized to update the TM references, PPL, and RPSTL. The DLIS screening results will take precedence over all other references. On near matches between the PPL reference number and the DLIS screening results, the Government will determine the correct reference number and configuration for the PPL. The Contractor shall update the PPL and RPSTL with the Government approved SMR, CAGEC, Part Number, NSN, and description of the provisioned item.

j. Repair Kits - The Contractor may consolidate repair parts into repair kits for assemblies if the following rules are followed:

1. Seventy percent or more of the non-common hardware parts are applied during most single repair actions.
2. Application of seventy percent or more of the kit will improve reliability of the repaired item.
3. Cost of the kit parts, less common hardware, is thirty percent or less than the item to which applied.

k. Bulk Items - These items will be accounted for in their normal position within the top down generation breakdown sequence when maintenance practices establish a need for a Manufacture From item. Bulk items are items such as electrical wire, fabric, hose, or gasket material from which the repair item is made. Bulk items shall be listed for all items that are source coded M (Make). Bulk items are listed in the PPL by the equipment drawing number of location of where the item is to be installed and identified by a unique CAGEC and Part Number. Additional remarks in the description column identify color, size, length, or shape of these items. The stocked bulk item (bulk material the portions are manufactured from) will appear in the PPL at the end of the PLISN structure by the bulk CAGEC and part number. Bulk items shall be listed in a bulk items list at the end of the PPL in functional group 99. Bulk items list will contain the total dimensional quantity of the each item used on the end item. i. e., length, square foot.

MIL-SPEC, MIL-STD, FED-SPEC, Commercial or Performance Standards for bulk items that are non-definitive must include documentation of class, type, size, shape, color, and/or dimensions.

Items selected to be made from bulk materiel shall also be reviewed to determine if the technical ability and tools to cut, make, assemble, and support the bulk materiel are available at the selected maintenance level.

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

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l. Make Items - Items are coded as Make From items with an M series SMR Code because it is not practical or cost effective to purchase small modified quantities of a bulk material. Make from Items must have an exclusive unique CAGE and part number listed on the A Card. The unique CAGE and part number is for the modified, or cut to length part. Make from parts do not have NSNs. The PLISN listing the actual bulk item will reflect the actual CAGE, part number and NSN for the bulk material used to make the parts. If a portion of bulk item appears more than once, each appearance will require a PLISN listing of that portion at that location.

m. Part Numbers and Component Color - Repair parts that are procured either as bare metal or in different colors (black, green, or tan) from the source of supply shall have a part number that distinctly indicates the color of the repair part, assembly, or sub-assembly. e.g., XXXX-1 for Green and XXXX-2 for Tan. The part number indicated on the EDFP must be recognized as valid by the source of supply. Repair parts and assemblies shall have the color of the part described on the remarks card of the PLISN entry of that item in the PPL and in the RPSTL. The Government will determine color of repair part stocked in the Army supply system.

n. Common Hardware - The Contractor shall make maximum use of existing Government numbers for all common hardware items. In all cases where they exist, the Contractor shall use American National Standards Institute (ANSI), American Society of Mechanical Engineers (ASME), Military Specifications (MIL-SPEC), Military Standard (MS), Federal Specifications (FED-SPEC), Commercial or other Government standard numbers for items such as, but not limited to, nuts, bolts, washers, wire, rope, screws, lubricants, springs, roll pins, and clevis pins.

MIL-SPEC, MIL-STD, FED-SPEC, Commercial or Performance Standards that are non definitive must include documentation of class, type, size, shape, color, and/or dimensions.

The Contractor shall make maximum use of existing commercial or industry specifications or commercial or industry descriptions for all common and commercial items that do not have Government numbers or specifications.

Common hardware shall have the dimensional characteristics described on the remarks card of the PLISN entry of that item in the PPL and in the RPSTL.

o. Government Rejection of Data Product - A PPL submitted solely with Contractor unique part numbers for common hardware shall be rejected. e.g., nuts, bolts, washers, screws. A PPL submitted with place holders or inaccurate prices will be rejected. A PPL with no CAGEC for any item will be rejected.

p. Long Lead Time Items - The Contractor shall identify any item on the PPL that is a Long Lead Time Item (LLTI). The LLTI, which because of their complexity of design, complicated manufacturing process, or limited production capability cause extended production or procurement Lead Time and would preclude delivery in time to meet the operational need date (fielding date) if not ordered in advance of normal provisioning shall be identified.

8. Engineering Data for Provisioning: The Contractor shall develop and prepare Engineering Data For Provisioning (EDFP) for all items that are determined to be P coded that currently are not assigned an NSN. EDFP consists of Provisioning Technical Documentation (PTD) and/or Supplemental Provisioning Technical Documentation (SPTD) for all items listed in the Repair Parts Special Tools List/Provisioning Parts List for the end article to ensure sustainment and maintenance support throughout the products life cycle.

EDFP is data acquired by the Contractor to support the assignment of Source, Maintenance, and Recoverability (SMR) codes to each item on the Provisioning Parts List/RPSTL. The EDFP is also used for assignment of item management codes, prevention of the proliferation of identical items in the Government inventory, maintenance decisions, and item identification necessary in the assignment of a National Stock Number. EDFP, PTD, and SPTD, as defined, may be used interchangeably within this SOW.

PTD is the generic term for the various provisioning lists and provisioning data as defined in this SOW for EDFP. Supplementary Provisioning Technical Documentation is considered part of PTD. PTD is used by the Government for identification, selection, and determination of initial requirements and cataloging of support items to be procured through the provisioning process. PTD shall provide technical identification of items for maintenance of end items to include location within the next higher assembly, e.g., internal location of an electrical component within an engine starter assembly. If the drawing, commercial literature, specification or standard does not identify the location of the part within the end item, then a sketch or illustration must be attached to that specific document. Technical Manual RPSTL art will be sufficient to meet this requirement when provided with the EDFP.

SPTD is technical data used to describe repair parts and/or equipment and consists of data such as specifications, standards, drawings, photographs, sketches, descriptions, quantities, and the necessary assembly and general arrangement drawings, schematic diagrams, wiring and cable diagrams, etc., needed to indicate the physical characteristics, location, and function of the item. SPTD shall be provided for all P coded items listed in the Repair Parts and Special Tools List (RPSTL) without a National Stock Number (NSN). SPTD shall clearly indicate the physical characteristic(s) and/or specification(s) of the item or assembly. e.g., color, type of paint, dimensions, radius, thickness, dimensions, inlet/outlet dimensions, pressure range, length, width, height, shape, surface treatment, thread size, thread type, type of material, wall thickness, amperage, voltage.

SPTD should be provided in the following order of precedence:

- a) Government or recognized industry specification or standard
- b) Engineering drawing
- c) Commercial Item Description (CID)
- d) Commercial catalog pages or catalog descriptions
- e) Sketches or photographs with descriptions or a bill of material

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At a minimum, the technical documentation shall provide the following:

SPTD shall clearly and completely identify and describe the item and who, Commercial and Government Entity Code (CAGEC), either manufactures the item or from whom the item was purchased, and cost of the item. The Contractor shall provide Original Equipment Manufacturer (OEM) data for all items on the PPL.

Items procured from OEM sources and altered or modified shall have a unique and separate drawing that indicates what modification was performed on the provisioned item and the Contractors CAGEC and Contractor unique part number. The EDFP shall include the necessary information to identify the item prior to its alteration including the original part number and the name and CAGEC of the source of the original part.

Supplier/Distributor part numbers and EDFP are not desirable and every effort should be made to furnish OEM data. The Contractor shall supply a minimum of three (3) sources for any item only available from a Supplier/Distributor. Deviation shall be addressed to the Government at the provisioning conference.

Military Specifications (MIL-SPEC), Military Standard (MS), Federal Specifications (FED-SPEC) for items that are non-definitive must include documentation of class, type, size, shape, color, and/or dimensions for that standard.

a. Government Rejection of Data Product - The Government will reject any submitted EDFP if the technical documentation of the individual EDFP is not sufficient to clearly outline the technical specifications and dimensions of the provisioned item. EDFP submitted without a CAGEC for any item will be rejected.

b. Marking of EDFP - Provisioning Technical Data shall be clearly annotated with the Provisioning Contract Control Number (PCCN), Provisioning Control Code (PCC), Provisioning Line Item Sequence Number (PLISN), Commercial And Government Entity Code (CAGEC) and Manufacturers Part Number. Technical data and EDFP shall match the data/drawing to the PLISN on the Provisioning Parts List (PPL) for all items. On Associated List, the alphanumeric numbering (PLISN) will appear next to the item identification. The Engineering Drawings and Associated List will be provided in Alpha Numeric numbering (PLISN) sequence to be compatible with the PPL. If commercial literature is provided, the CAGEC and Alphanumeric (PLISN) numbering will be annotated next to the appropriate manufacturers part number with the PCCN. The specification or standard must also have the alpha numeric (PLISN) numbering annotated next to the specific item.

c. Engineering Drawing Tree - The Contractor shall provide a top down generation breakdown engineering drawing tree of the end item with sufficient detail so that the Government can verify the Next Higher Assembly (NHA) for each item listed on the PPL and associated EDFP. The drawing tree shall clearly show what functional group the assembly, subassembly and/or part is a part of and the NHA.

d. Contractor Configuration Audit - The Contractor shall conduct a physical audit of PTD and SPTD against the Government approved end item configuration to assure that each item identified on PTD and SPTD is accurately depicted at the time of submission of PTD and SPTD. The configuration audit results shall be included in a letter included with the EDFP submission that states certification of the PTD/SPTD against the end article and the results of the audit.

e. Media - The Contractor shall prepare and deliver PTD and/or SPTD technical documentation as paper hardcopy and Compact Disk (CD) using Portable Document Format (PDF) electronic media. All submitted data products shall be written in English and only one side of each sheet of paper shall be used.

Paper hardcopy PTD and/or SPTD will be organized in alphanumeric order by the PLISN sequence and consistent with the MAC and Repair Parts Special Tools List (RPSTL).

The Contractor shall provide the MAC functional group spreadsheet, engineering drawing tree, and paper and electronic EDFP and PPL to the Government personnel at the Government Provisioning Conference in addition to the scheduled deliveries.

f. Data Rights - EDFP submitted when the Contractor or original manufacture has proprietary data rights will be marked in such a manner as to identify the rights, limited or unlimited. These markings shall be in accordance with Defense Federal Acquisition Regulation Supplement 227-71, Rights In Technical Data.

C.1. Non-CARC Paint System. Non-CARC Tricons shall be painted in accordance with best commercial practices for shipping containers, except that the following minimum requirements shall be met:

C.1.1 Cleaning and pretreatment -- Tricons shall be cleaned and pretreated in accordance with SSPC-SP10 (i.e., Specification for Near White Blast Cleaning available from the Society for Protective Coatings (SSPC), [sspc.org](http://www.sspc.org)) such that the surface is a Near-White Blast Cleaned surface, when viewed without magnification. The shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products, and other foreign matter, except for staining. Staining shall be limited to no more than five percent of each square-inch of surface area and may consist of light shadows, slight streaks, or minor discoloration caused by stains of mill scale, or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-Sp1 (i.e., Specification for Solvent Cleaning available from the SSPC). Copies of SSPC-SP10 and SSPC-Sp1 are available from the SSPC on their web site at [*HYPERLINK "http://www.sspc.org"www.sspc.org](http://www.sspc.org). Their address is R2M Building Products, PO Box 22910, Rochester, NY 14629.

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C.1.2. Primer. A zinc epoxy primer shall be used as a corrosion preventive measure with a minimum wet film thickness of 3.5 mils but not greater than 5.3 mils, and a minimum dry film thickness of 2.0 mils but not greater than 3.0 mils. The zinc content of the zinc epoxy primer shall be minimum of 65 percent by weight.

C.1.3. Top-Coat. A top-coat shall be applied and shall have a minimum wet film thickness of 5.4 mils but not greater than 13.5 mils, and a minimum dry film thickness of 2.0 mils but not greater than 5.0 mils. Top-coat color shall be green 383, Color Number 34094, or Tan 686A, Color Number 33446 of FED-STD-595 as specified elsewhere in the contract. The color of interior surfaces shall be green 383, Color Number 34094 of FED-STD-595 unless otherwise specified.

C.1.4. Non-CARC Paint Process. Contractors shall submit their non-CARC paint system which they will be using to manufacture their non-CARC Tricons. This information shall include, but not be limited, to their cleaning, pretreatment, priming, and painting processes performed on their non-CARC Tricons. Specification sheets shall also be included from paint and primer product manufacturers, and all other products that will be used in the above non-CARC paint system process. This information shall demonstrate, as a minimum, that the contractors non-CARC paint system, meets the above requirements.

C.1.5 Protection and Coating Adherence Test for non-CARC Paint System. Coating adherence shall be verified by ASTM D3359 Method B and MIL-DTL-53072.

C.2. Shelving, and Decking and Shoring Beams. When shelving, and decking and shoring beams are specified (see 3.3.10 of MIL-PRF-32349A), they shall be provided by the manufacturer installed inside the Tricon. One Type I Tricon shelf shall consist of one piece measuring 48 inches long by 74 inches wide by 1 inch thick, and shall include 3 decking and shoring beams. One Type 2 Tricon shelf shall consist of two pieces each measuring 41 inches long by 37 inches wide by 1 inch thick, and shall include 5 decking and shoring beams. The shelving shall be made of a non-absorbing composite material. Shelving, and decking and shoring beams shall also meet the requirements of paragraph 3.3.10 and as depicted in figure 2 of MIL-PRF-32349A.

C.3. Vertical Logistic Tracks. The bottom of the first full slot of each vertical logistic track (see paragraph 3.3.9 of MIL-PRF-32349A) shall measure 7-1/4 inches (184.15 mm) from the floor +/- 1/16 inch (1.587 mm). Ignore the last two sentences of paragraph 3.3.9 of MIL-PRF-32349A, except for the following: The distance from the container ceiling to the centerline of the first slot from the ceiling of each vertical logistic track shall be a maximum of 9 inches (228.6 mm); and all vertical logistic tracks shall be one continuous length, and shall correspond with one another.

E.1. Zinc Epoxy Primer. Documentation shall be provided from the zinc epoxy primer manufacturer certifying the content of the zinc as required in C.1.2. Nonconformance to C.1.2 shall constitute failure of this requirement. This requirement shall only be performed as a First Article Test as defined in MIL-PRF-32349A.

E.2. Top-Coat and Primer Coating Thicknesses for Non-CARC paint System. Measurement of both the Top-coat and primer coating thicknesses shall be measured in accordance with ASTM B499-09 for both wet film thickness and dry film thickness. Non-conformance to C.1.2 and C.1.3 shall constitute failure of this requirement. This is a destructive test and shall only be performed as a First Article Test as defined in MIL-PRF-32349A.

E.3. Protection and Coating Adherence Test for non-CARC Paint System. Coating adherence shall be verified by ASTM D3359 Method B and MIL-DTL-53072. Nonconformance to C.1.5 shall constitute failure of this test. This test shall only be performed as a First Article Test as defined in MIL-PRF-32349A.

E.4. Non-CARC Paint Process. Nonconformance to C.1.4 shall constitute failure of this requirement.

E.5. Shelving Material. Documentation shall be provided from the shelving manufacturer certifying that the shelving is a non-absorbing composite material. A description of the material shall also be provided. Nonconformance to C.2 shall constitute failure of this test. This is a First Article Test as defined in MIL-PRF-32349A.

E.6. Vertical Logistic Tracks. Nonconformance to C.3 shall constitute failure of this requirement.

SHELVING REQUIREMENTS

A Type 1 TRICON (NON-CARC/CARC Green or Tan) with 1 shelf shall consist of one transverse half shelf measuring a minimum of 48 inches long by 73.5 inches wide and shall be 1 inch thick. A minimum of three (3) decking and shoring beams shall be included with this shelf system. NSNs 8150-01-598-8944 P/N 5-13-9766-1-1S and 8150-01-598-8943 P/N 5-13-9766-2-1S

A Type 1 TRICON (NON-CARC/CARC Green or Tan) with 2 shelves shall consist of 1 longitudinal full shelf consisting of two pieces each measuring a minimum 91 inches long by 36.75 inches wide and shall be 1 inch thick. A minimum of five (5) decking and shoring beams shall be included with this shelf system. NSNs 8150-01-598-8947 P/N 5-13-9766-1-2S and 8150-01-598-8952 P/N 5-13-9766-2-2S

A Type 2 TRICON (NON-CARC/CARC Green or Tan) with 1 shelf shall consist of 1 longitudinal full shelf with two pieces each measuring a minimum of 88 inches long by 36.75 inches wide and shall be 1 inch thick. A minimum of five (5) decking and shoring beams shall be

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Name of Offeror or Contractor:

included with this shelf system. NSNs 8150-01-598-8964 P/N 5-13-9767-1-1S and 8150-01-598-8961 P/N 5-13-9767-2-1S

A Type 2 TRICON (NON-CARC/CARC Green or Tan) with 2 shelves shall consist of 2 full longitudinal shelves consisting of 4 pieces each measuring a minimum of 88 inches long by 36.75 inches wide and shall be 1 inch thick. Each full shelf shall consist of 2 pieces and a minimum of 5 decking and shoring beams, therefore a minimum of ten (10) decking and shoring beams shall be required with this container system.

NSNs 8150-01-598-8957 P/N 5-13-9767-1-2S and 8150-01-598-8968 P/N 5-13-97

*** END OF NARRATIVE C0001 ***