## {#wizardOptions}

## Section 1. Technical Order (TO) Program Requirements – S1000D/IETM

1. TMCR Tailoring.  The Contractor may propose and submit, in writing, additional tailoring to the Technical Order Manager Agency/Agent (TOMA), Government Program Manager (PM) and Procuring Contracting Officer (PCO) as required by Section L of the RFP. The contractor may also submit additional Section 2 tailoring to propose new TO types (Table 1) and source data and TO updates (Table 2) required to support the {program\_mod\_system\_name} program’s objectives. Modifications to contracts can continue to utilize the existing format until renegotiated/replaced. The acceptance of any contractor tailored TMCR will be at the discretion of the government and is not in effect until accepted in writing by the PCO or specified in the contract.

2. TO Program Scope. The Contractor shall develop and deliver technical manuals in accordance with (IAW) this TMCR, the attached S1000D Decision Point Tool (section 3), and supplied Business Rules (BRs) that supports the {program\_mod\_system\_name} requirements for technically usable manuals.

3. S1000D Technical Manual Content and Product Plan. The Contractor shall develop and deliver a Technical Manual Content and Product Plan IAW the requirements specified within this TMCR. This plan shall be developed in the Contractor’s format and will specify the development of the S1000D Interactive Electronic Technical Manual(s) (IETM) incorporating all applicable Business Rule requirements and the preliminary functionality requirements. For the purposes of this contractual document, the term IETM is considered synonymous with the S1000D term Interactive Electronic Technical Publication (IETP). The plan shall also detail the total technical content coverage for each system, subsystem, equipment, and major components including a preliminary Data Management Requirement List (DMRL) listing all Data Modules (DMs) and Publication Modules (PMs) to be developed in support of the weapon system/equipment and a List of Applicable Publications if the DMs are to be a part of more than one Technical Publication or IETM. The DMRL shall also reference the proposed DM schema type each module is written against. The plan shall document the solution architecture requirements necessary for IETM development, to include solution diagrams, solution test cases, and applicable testing documentation.

3.1. Additional Content Information. Problems regarding requirements, interpretation, and application shall be identified within the plan. Conflicts between standards and guidance documents shall be highlighted. An explanation or initial demonstration of how the technical content information will be rendered on the display device and an overview of how the user will access the technical information shall be provided. The Contractor may propose opportunities for data (text, graphics, other media) re-use across data types (including training data), weapons system/equipment configurations and foreign military sales. The plan shall include a list of re-use objects with future potential to be used across DoD, as well as those items that are unique to the system addressed in the listed IETM(s). The Contractor shall also detail their approach to managing the relationship between content and weapon system/equipment applicability. Prior to award, guidance will be outlined in Section L of the RFP,as referenced for development of the IETM(s) guidance. Upon award, opportunities or recommended new language should not be incorporated unless unique and original. The acceptance of any contractor tailored content will be at the discretion of the government and is not in effect until accepted in writing by the PCO or specified in the contract.

3.2. Product Coverage. The plan shall include Contractor recommendations for the packaging of the IETM content, (i.e., single IETM or multiple IETM products), based on the defined maintenance concept. The Contractor shall include external and internal links and references within the plan. Additionally, the plan shall include the use of Commercial-Off-The-Shelf (COTS) and/or other TMs listed within Section 2, Table 2 of this TMCR, and other manuals as applicable.

3.3. Alternative Recommendations. The Contractor may propose, within the plan and as outlined in Section L of the RFP, alternative recommendations for certain technical manual types that may not readily conform to the provided functionality requirements and proposed program BRs. Additionally, the Contractor may propose alterations and alternative IETM constructs for paper-based requirements to better optimize page output and minimize print cost. Alterations will be in compliance with AF TMSS requirements.

4. Technical Manual Specifications and Standards (TMSS) Tailoring. AF TMSS tailoring options and some Joint Service TMSS have been documented in preliminary Specification/Standard Interface Records (SIRS) included in Section 3. These preliminary SIRs provide the starting point for further tailoring. Contractors may recommend additional tailoring of the Joint Service TMSS SIRs and provide recommended SIRs for other TMSS as applicable. Tailoring must not change or delete mandatory requirements which are part of the Document Type Definition (DTD) or XML schema structure located in Section 2, Table 1. **NOTE:** TMSS requirements marked “(F)” are specifically for Air Force use; “(A)” is for Army, “(M)” is Marine Corps and “(N)” is Navy. Comply with all unmarked and “(F)” TMSS requirements as modified by the tailoring options in each TMSS.

4.1. Questions concerning TMSS requirements may be submitted in writing with suggestions for resolution and supporting information to the PCO and {toma\_name}, {toma\_office\_symbol}, {toma\_address}, {toma\_phone}. Deficiencies and suggested improvements may be submitted to the TMSS Preparing Activity (PA). Recommendations, corrections and clarifications approved by the PCO, if any, will be maintained with contract documentation.

5. Subsequent TO/Data Requirements. When new TO requirements are identified the Contractor shall notify the Government utilizing DI-TMSS-80067C, *Technical Manual (TM) Contractor Furnished Aeronautical Equipment or Contractor Furnished Equipment (CFAE/CFE) Notices,* or approved Contractor formats. This process shall require Government review and approval of recommended additional requirements prior to developing additional data. When approved, the Contractor shall incorporate the requirements within the Technical Manual Content and Product Plan where applicable.

6. TO Development. TOs shall be written to a scope and depth of coverage to support the {program\_mod\_system\_name} operations and maintenance concepts.

6.1. TO data shall be developed IAW ASD/AIA S1000D, *International Specification for Technical Publications Utilizing a Common Source Database*, and MIL-STD-3048, *Air Force Business Rules for the Implementation of S1000D*. For S1000D, this includes program tailored functionality requirements and Project Business Rules when implemented. The Government tailored functionality requirements and Business Rule Decision Points for MIL-STD-3048 are included in the SIR found in Section 3 of this document. All delivered graphics shall conform to the approved graphic creation and format guidelines listed in Attachment 1, *Graphics Format Guidelines*. If needed, the Contractor shall contact the PCO and TOMA to request guidance from the Air Force PA, AFLCMC/HIAM, Technical Data Section, 4170 Hebble Creek Rd, Bldg. 280, Door 15, WPAFB OH 45433-5653.

7. TO Numbering. Contractors shall notify the Government, in writing, of manuals which require TO numbers. TO numbers are not required for manuals to be used exclusively by the Contractor’s own personnel. Requests for new TO numbers shall be submitted to the TOMA utilizing the TO numbering worksheet. (Attachment 2, *Request for Technical Order Number*)

8. Data Rights. Contractors shall comply with 10 U.S.C. 2320 and Defense Federal Acquisition Regulation Supplement (DFARS) provisions and clauses. The Government’s rights in technical data are specified in DFARS 252.227-7013, *Rights in Technical Data-Noncommercial Items*, 252.227-7014, *Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation*, and 252.227-7015, *Technical Data-Commercial Items* and other applicable provisions and clauses from DFARS 227 and 252.227. In accordance with those clauses and provisions, the Contractor grants the Government Unlimited Rights, as defined therein, in all source data, TO publications, TO updates, and TO-related documents prepared specifically for the contract. The Contractor also grants the Government Unlimited Rights in all Government-funded business rules (tailoring and application methods and procedures) and documented business processes developed under the contract for the purpose of or for use in TO development. Contractor shall identify any data to be delivered to the Government with other than Unlimited Rights IAW DFARS 252.227-7017, *Identification and Assertion of Use, Release, or Disclosure Restrictions* and shall mark such data only in accordance with the applicable DFARS clause. The Contractor shall pass through and enforce all requirements in this TMCR to all sub-Contractors.

9. Classification, Distribution, Destruction, Disclosure, Export Control Notices, and Cyber Security. Contractors shall recommend the correct markings and controls for classified and restricted distribution data and TOs IAW the program’s Security Classification Guide and Department of Defense Manual (DODM) 5200.01, Department of Defense Instruction (DODI) 5230.24, Department of Defense Directive (DODD) 5230.25, DoDM5200.01V1-3\_AFMAN16-1404V1-3, and MIL-STD-38784 (available at <https://www.esd.whs.mil/dd/dod-issuances/>, <http://www.e-publishing.af.mil/> or <https://quicksearch.dla.mil/qsSearch.aspx>). The markings and notices shall be reviewed during In-Process Reviews (IPR). The Contractor shall also apply policy and procedures for *Cybersecurity Program Management* IAW AFI 17-130, AFMAN 17-1301, *Computer Security (COMPUSEC)* **NOTE:** Distribution limitations will be determined on a case-by-case basis as TOs are developed, dependent upon TO content.

10. TO Quality. The Contractor shall ensure prepared TOs are: a) technically accurate and safe; b) written to a scope and depth of coverage to support the operations and maintenance concepts; c) properly classified and marked with export control and distribution limitation statements. The Contractor shall maintain a Technical Manual Quality Assurance (TMQA) Program Plan for this effort. The TMQA Program Plan shall be available for review at the TO Guidance Conference. The TMQA Program Plan shall be sufficiently detailed to support TO certification to include actual performance of procedures or desk-top analysis for non-procedural data. Simulation (walk-through/talk-through) should be reserved for those procedures which would activate explosive devices or present a hazard to personnel or equipment. **NOTE:** Quality requirements for the Joint Nuclear Weapons Publications System (JNWPS) and for Non-nuclear Explosive Ordnance Disposal (EOD) Data are contained in TO 11N-1-1 *Joint Nuclear Weapons Publication System Operating Procedures, Specifications and Standards,* and DODD 5160.62, *Single Manager Responsibility for Military Explosive Ordnance Disposal Technology and Training*, respectively. The Government will conduct performance-tests on all JNWPS and EOD TOs.

10.1. Initial Technical Order Guidance Conference (TOGC). Working through the TOMA, the Contractor shall co-host and participate in a guidance conference for this effort. The TOGC will be held within 60 calendar days after contract award. The Technical Manual Schedule and Status will be formalized at this conference. The Contractor shall present a briefing on their interpretation of the basic contract, SOW/Performance Work Statement, CDRLs, Data Item Descriptions (DIDs), MIL-SPEC, MIL-DTL, MIL-STD, SIRs, this document and the planned preparation and delivery of the TOs and related data. The Contractor shall also provide their S1000D Technical Manual Content and Product Plan for review and approval.

10.2. In-Process Reviews. The Contractor shall participate and co-chair In-Process Reviews (IPR) of the data developed for this effort IAW the TOMA-provided IPR checklists. In-Process Reviews are to ensure that data being developed as part of this effort is adequate and accurate and IAW contract requirements and cited specifications. The Contractor shall ensure that all appropriate personnel required to execute a successful TO program will either attend or participate in the IPR. IPRs will be held IAW with TO 00-5-3 or as defined by the program office. During the IPRs the Contractor will be responsible to maintain a master markup or documented list of approved changes for the content being reviewed. The Contractor shall develop meeting minutes after each review documenting all approved changes and concurrent agreements for Government review and approval. This master markup or documented list of approved changes will be made available at the next scheduled review. A copy of the markup will be provided to the TOMA or designated individual at the conclusion of the review. The Contractor shall ensure all comments from previous IPRs have been incorporated prior to the next scheduled IPR. With prior approval of the TOMA, IPRs may be combined.

10.3. TO Delivery Requirements for In-Process Reviews. IPR TO data shall be technically edited and reviewed according to the TMQA Program Plan. Manuscript (handwritten) data is not acceptable for any data to be reviewed. The TMQA Program Plan checklists shall be available for review by the Government during the IPRs. IPRs subsequent to the initial review may be accomplished using the approved IETM viewing presentation system and as specified within the Government provided IPR checklist. Delivery requirements are contained in Section 2 of the TMCR.

10.4. TO Certification. The Contractor shall certify that new TO procedures and data developed to support the program are safe, accurate, adequate, current, and usable for their intended purpose. The Government may witness the certification activities. The Contractor shall incorporate comments generated by the certification process into the TOs prior to submitting the TOs for verification. At the completion of the certification, the Contractor shall submit a letter to the TOMA through the Government PCO and PM stating that certification has been completed, the certification method used, and that any deficiencies identified during the process have been corrected. The Contractor will ensure all necessary changes and corrections to affected manuals are accomplished in time to meet contract delivery schedule requirements. The Contractor shall notify the Government, as identified in the contract, at least 180 days prior to the need date, of any Government Furnished Property (GFP), Information, and/or Government Furnished Equipment (GFI/GFE) as required, to perform certification tasks. Technical Order 00-5-1 and 00-5-3 shall be referenced for additional information on TO certification requirements.

10.4.1. The Contractor shall propose opportunities to perform TO certification activities in conjunction with Government verification IAW TO 00-5-3, where applicable.

10.5. Verification Support. The Contractor shall support Government verification activities as required by the TOMA and the program Technical Order Life Cycle Verification Plan (TOLCVP). Contractor verification support will consist of on station technical writing and engineering support. The Contractor shall maintain a master mark-up of the TM or list of approved changes and record minute items during the Government verification process. The Contractor shall also support all post verification reviews and ensure availability until 100% task verification is attained by the Government.

10.5.1. Verification of IETMs requires unique processes and procedures to verify the content. Verification results can be incorporated using traditional pre-publication review methods or updated in real-time during the verification. The Contractor shall provide technical support and common source database maintenance personnel required for changes resulting from verification.

10.6. TO Prepublication Reviews (PPR). PPRs are examinations of TOs that ensure incorporation of agreed upon changes from previous reviews and verification activities. The Contractor shall prepare and deliver copies of TOs and TO updates in contract compliance for the PPR as shown in the delivery matrix. The TOs for PPR shall be approved by the Contractor’s QA, be in compliance with the specification/DTLs/STDs, and incorporate all verification comments and corrections approved by the TOMA or program management office representative.

10.7. Technical Data Assessment (TDA). The Contractor shall submit in-work samples of each specified TM type deliverable to the Government for specification and standardization compliance review. TDAs may be accomplished by using organic TO sustainment environments with the assistance of AFLCMC/HIAM (AF TMSS Office, SGMLSUPPORT@us.af.mil).

10.7.1. S1000D (XML) Data Files. The Contractor shall submit S1000D XML tagged DMs, all layered BREX and all referenced graphics for assessment. During assessment, these DMs will be evaluated against the TMSS S1000D Validation Tool to parse/validate each DM to confirm all submitted DMs are S1000D compliant.

10.7.2. Error Resolution. The Contractor shall correct any errors found during the TDA prior to each IPR. Additional TDAs may be necessary based on the amount of errors found during the initial TDA. Completion of a TDA in no way relieves the Contractor from the requirement to fix errors found during future reviews.

11. TO Delivery. TO file delivery requirements are located in Section 2, Table 3 and Table 4 of this document.

11.1. S1000D Source Files. The Contractor shall parse and deliver everything necessary to properly generate and view the data in the approved IETM viewer or produce the desired presentation to the user. This includes all DMs, database files, BREX, XSL, cascading style sheets (CSS), conversion scripts (such as Java or Perl), graphics, XML, viewer software, referenced HTML/PDF files, native source data files, process and training documentation, etc.

12. Source Data Maintenance. Contractors shall maintain accuracy, currency and configuration of TO source data, to include Government Furnished Information (GFI), throughout the contract period of performance. The Contractor shall provide the Government a Configuration Control Management Plan. The Contractor will provide a minimum of annual updates frequently throughout the life of the contract as directed in writing from the PCO. Maintenance includes preparation of source data updates to incorporate corrections, equipment configuration changes, and maintenance and operational concept changes. Additionally, the Contractor shall ensure the accuracy, currency, and configuration of applicable data provided by their sub-Contractors as it effects the technical baseline.

**NOTE:** Contractors will protect GFI provided for the purposes of TO development IAW DFARS 252.204-7000 *Disclosure of Information* and DFARS 252.227-7025, *Limitations on the Use or Disclosure of Government Furnished Information Marked with Restrictive Legends.*

13. TO Maintenance. Contractors shall maintain TOs by preparing emergency, urgent, routine changes/revisions or supplements and source data updates to incorporate corrections, equipment configuration changes, and maintenance and operational concept changes IAW TO 00-5-3. The Contractor shall assist the Government, where applicable, by incorporating and delivering approved changes to the technical data in the field NLT the specified time limits within TO 00-5-3 for Urgent, Work Stoppage, or Emergency changes originating from an approved Recommended Change (RC) process and/or Publication Change Request (PCR) in the Enhanced Technical Information Management System (ETIMS). In the event of non-ETIMS access, AFTO FORM 22, 252 policy or other approved change request forms processes will be adhered to (IAW TO 00-5-1). The specified time limits upon receipt of specified change requests is 40 calendar days for urgent changes/revisions, 72 hours for work stoppage changes/revisions, and 48 hours for emergency changes/revisions.

14. Schedules. The Contractor shall develop and maintain an Integrated Technical Manual Schedule and Status throughout the period of performance for all TO development activities associated with this order for the life of the contract. The schedule shall be to the system/book or TCTO level and cover all major milestones of development. Any changes to the Integrated Technical Manual Schedule and Status after the TO Guidance Conference shall be coordinated with and approved by program TOMA and PCO.

15. Time Compliance Technical Orders (TCTOs). The Contractor shall prepare TCTOs, ITCTOs and resulting TO updates as required in support of {program\_mod\_system\_name} IAW TO 00-5-15 and MIL-DTL-38804 content requirements. TCTOs will be used to document all permanent modifications, initiate special “one time” inspections, or impose temporary restrictions on systems or equipment within specified time limits effecting {program\_mod\_system\_name}. Costs for TCTO package development must be IAW with AFI 65-601Vol.1.

15.1. The Contractor shall deliver certified drafts of Immediate Action TCTOs, to meet program office plans to satisfy requirements outlined in TO 00-5-3/00-5-15. The Contractor shall deliver drafts with comments incorporated within 24 hours of receipt of comments.

15.2. The Contractor shall deliver initial certified drafts of Urgent Action TCTOs, to meet program office plans to satisfy requirements outlined in TO 00-5-3/00-5-15. The Contractor shall deliver final drafts with “final” customer comments incorporated, within 48 hours of receipt of comments.

15.3. The Contractor shall deliver initial certified drafts of routine safety TCTOs to meet program office plans to satisfy requirements outlined in TO 00-5-3/00-5-15. The Contractor shall deliver final drafts with “final” customer comments incorporated, within 5 business days of receipt of comments.

15.4. The Contractor shall deliver certified drafts of routine TCTOs to meet program office plans to satisfy requirements outlined in TO 00-5-3/00-5-15. The Contractor shall deliver final drafts with “final” customer comments incorporated, within 10 business days of receipt of comments.

16. Information Technology (IT) Requirements. The Contractor shall develop IETM requirements utilizing the designated Air Force TO System infrastructure. The Contractor, thru the TOMA and program management office, shall acquire the appropriate licenses and network access permissions for operation on the AF approved technical order authoring and publishing solution. (IAW TO 00-5-3, para. 3.25)

**Section 2. TM Type and Delivery Requirements**

**(New Development) Technical Manual Type (Publication) Selection Tables.**

| **Table 1**  **TMSS Requirements for the {program\_mod\_system\_name} Program**  *(System/Component)*  (Mark the TM Type Selection Tables indicating the applicable TO types and related specifications.) | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Title or Type of Manuals** | | **Specification** | | | **Required** | |
| 1. Inspection TOs | | MIL-DTL-5096 | | |  | |
| * 1. {#tmss-1-a}Inspection and Maintenance Requirements (-6) Manual | |  | | | ☒{/tmss-1-a} | |
| * 1. {#tmss-1-b}Acceptance and Functional Check Flight (FCF) Procedures (-6CF) Manual | |  | | | ☒{/tmss-1-b} | |
| * 1. {#tmss-1-c}Acceptance and Functional Check Flight (-6CL) Checklist | |  | | | ☒{/tmss-1-c} | |
| * 1. {#tmss-1-d}Inspection Workcards (-6WC) | |  | | | ☒{/tmss-1-d} | |
| * 1. {#tmss-1-e}Maintenance/Operations Checklists | |  | | | ☒{/tmss-1-e} | |
| 1. Cargo Aircraft Loading and Offloading TOs | | MIL-DTL-5288 | | |  | |
| * 1. {#tmss-2-a}Loading Instructions Manual | |  | | | ☒{/tmss-2-a} | |
| * 1. {#tmss-2-b}Nuclear Weapon Cargo Loading Manual | |  | | | ☒{/tmss-2-b} | |
| * 1. {#tmss-2-c}Checklists | |  | | | ☒{/tmss-2-c} | |
| 1. Weight and Balance (Aircraft) | | MIL-DTL-5920 | | |  | |
| * 1. {#tmss-3-a}Loading Data Manual | |  | | | ☒{/tmss-3-a} | |
| * 1. {#tmss-3-b}Sample Basic Weight Checklists | |  | | | ☒{/tmss-3-b} | |
| 1. Flight Manuals | | MIL-DTL-7700 | | |  | |
| * 1. {#tmss-4-a}Flight Manual | |  | | | ☒{/tmss-4-a} | |
| * 1. {#tmss-4-b}Performance Data Manual | |  | | | ☒{/tmss-4-b} | |
| * 1. {#tmss-4-c}Mission Crew Manual | |  | | | ☒{/tmss-4-c} | |
| * 1. {#tmss-4-d}Supplemental Manual | |  | | | ☒{/tmss-4-d} | |
| * 1. {#tmss-4-e}Abbreviated Flight Crew Checklist | |  | | | ☒{/tmss-4-e} | |
| 1. {#tmss-5-a}List of Applicable Publications | | MIL-DTL-8031 | | | ☒{/tmss-5-a} | |
| 1. {#tmss-6-a}Structural Repair Manuals (for Aircraft) | | MIL-DTL-9854 | | | ☒{/tmss-6-a} | |
| 1. Munitions/Weapons Loading Procedures, Non- nuclear and Nuclear TOs | | MIL-DTL-9977 | | |  | |
| * 1. {#tmss-7-a}Nuclear Weapons Basic Information and Loading Procedures | |  | | | ☒{/tmss-7-a} | |
| * 1. {#tmss-7-b}Nuclear Weapons Loading Procedures | |  | | | ☒{/tmss-7-b} | |
| * 1. {#tmss-7-c}Non-nuclear Munitions Basic Information | |  | | | ☒{/tmss-7-c} | |
| * 1. {#tmss-7-d}Non-nuclear Loading Procedures | |  | | | ☒{/tmss-7-d} | |
| * 1. {#tmss-7-e}Non-nuclear Munitions Loading Standard Data Packages (SDPs) | |  | | | ☒{/tmss-7-e} | |
| * 1. {#tmss-7-f}Loading Procedures Checklist | | |  | | | ☒{/tmss-7-f} |
| * 1. {#tmss-7-g}Single Loading Procedures Checklist | | |  | | | ☒{/tmss-7-g} |
| * 1. {#tmss-7-h}Integrated Loading Procedures Checklists | |  | | | ☒{/tmss-7-h} | |
| * 1. {#tmss-7-i}Family Group Loading Procedures Checklist | |  | | | ☒{/tmss-7-i} | |
| * 1. {#tmss-7-j}Nuclear Weapons Loading Procedure Checklists | |  | | | ☒{/tmss-7-j} | |
| * 1. {#tmss-7-k}Functional Check Procedures Checklist | |  | | | ☒{/tmss-7-k} | |
| * 1. {#tmss-7-l}NATO Stage B Cross-Servicing Checklists | |  | | | ☒{/tmss-7-l} | |
| * 1. {#tmss-7-m}End of Runway (EOR) Procedures Checklist | |  | | | ☒{/tmss-7-m} | |
| 1. {#tmss-8-a}Space Operations and Support Documentation TOs   -- MIL-SPEC (Intercontinental Ballistic Missiles) | MIL-PRF-38311 ☒{/tmss-8-a} | | | | | |
| 1. Nuclear and Non-nuclear Weapon Delivery and Aircrew Procedures  Manuals and Checklists | | MIL-DTL-38384 | | |  | |
| * 1. {#tmss-9-a}Non-nuclear Weapon Delivery Manual | |  | | | ☒{/tmss-9-a} | |
| * 1. {#tmss-9-b}Aircrew Nuclear Bomb Delivery Manual (Strategic Bomber Aircraft) | |  | | | ☒{/tmss-9-b} | |
| * 1. {#tmss-9-c}Aircrew Nuclear Missile Delivery Manual (Strategic Bomber Aircraft) | |  | | | ☒{/tmss-9-c} | |
| * 1. {#tmss-9-d}Aircrew Nuclear Bomb Delivery Manual (Tactical Aircraft) | |  | | | ☒{/tmss-9-d} | |
| * 1. {#tmss-9-e}Non-nuclear Weapon Delivery Checklist | | | |  | ☒{/tmss-9-e} | |
| * 1. {#tmss-9-f}Nuclear Weapon Delivery Checklist (Strategic Bomber Aircraft) | | | |  | ☒{/tmss-9-f} | |
| * 1. {#tmss-9-g}Aircrew Nuclear Bomb Delivery Checklist (Tactical Aircraft) | |  | | | ☒{/tmss-9-g} | |
| * 1. {#tmss-9-h}Non-nuclear Weapon Delivery Source Data Packages | |  | | | ☒{/tmss-9-h} | |
| 1. Work Unit Code Manual | | MIL-DTL-38769 | | |  | |
| 1. {#tmss-10-a}Standard WUC Manual | |  | | | ☒{/tmss-10-a} | |
| * 1. {#tmss-10-b}Two Chapter Manual | |  | | | ☒{/tmss-10-b} | |
| * 1. {#tmss-10-c}Three Chapter Manual | |  | | | ☒{/tmss-10-c} | |
| 1. {#tmss-11-a}Calibration Procedures | | MIL-PRF-38793 | | | ☒{/tmss-11-a} | |
| 1. Time Compliance Technical Orders (TCTOs) | | MIL-DTL-38804 | | |  | |
| 1. {#tmss-12-a}TCTO | |  | | | ☒{/tmss-12-a} | |
| 1. {#tmss-12-b}TCTO Supplement | |  | | | ☒{/tmss-12-b} | |
| 1. {#tmss-13-a}Aircraft Battle Damage Assessment and Repair TOs | | MIL-DTL-87158 | | | ☒{/tmss-13-a} | |
| 1. {#tmss-14-a}Illustrated Parts Breakdown | | MIL-DTL-38807 | | | ☒{/tmss-14-a} | |
| 1. On-Equipment Organizational Maintenance Manual Set | | MIL-DTL-83495 | | |  | |
| * 1. {#tmss-15-a}General Equipment (GE) Manual | |  | | | ☒{/tmss-15-a} | | |
| * 1. {#tmss-15-b}General System (GS) Manuals | |  | | | ☒{/tmss-15-b} | | |
| * 1. {#tmss-15-c}Combined GE & GS Manual | |  | | | ☒{/tmss-15-c} | | |
| * 1. {#tmss-15-d}Job Guide (JG) Manuals | |  | | | ☒{/tmss-15-d} | |
| * 1. {#tmss-15-e}Fault Reporting (FR) Manual | |  | | | ☒{/tmss-15-e} | |
| * 1. {#tmss-15-f}Fault Isolation (FI) Manual | |  | | | ☒{/tmss-15-f} | |
| * 1. {#tmss-15-g}Wiring Data (WD) Manual | |  | | | ☒{/tmss-15-g} | |
| * 1. {#tmss-15-h}Schematic Diagram (SD) Manual | |  | | | ☒{/tmss-15-h} | |
| 1. Operation and Maintenance Instructions in Work Package Format | | MIL-DTL-87929 | | |  | |
| * 1. Maintenance Manuals | |  | | |  | |
| * + 1. {#tmss-16-a-1}Organizational Maintenance | |  | | | ☒{/tmss-16-a-1} | |
| * + 1. {#tmss-16-a-2}Intermediate Maintenance | |  | | | ☒{/tmss-16-a-2} | |
| * + 1. {#tmss-16-a-3}Depot Maintenance | |  | | | ☒{/tmss-16-a-3} | |
| * + 1. {#tmss-16-a-4}Combined (I&D) Maintenance | |  | | | ☒{/tmss-16-a-4} | |
| * + 1. {#tmss-16-a-5}On Condition Maintenance | |  | | | ☒{/tmss-16-a-5} | |
| * 1. {#tmss-16-b}Operation & Maintenance Instruction Manuals | |  | | | ☒{/tmss-16-b} | |
| * 1. Special Manuals | |  | | |  | |
| * + 1. {#tmss-16-c-1}Aircraft Engine Testing and Trending Procedures | |  | | | ☒{/tmss-16-c-1} | |
| * + 1. {#tmss-16-c-2}Aircraft Power Package Testing Procedures | |  | | | ☒{/tmss-16-c-2} | |
| * + 1. {#tmss-16-c-3}Static Firing of Missile Motors | |  | | | ☒{/tmss-16-c-3} | |
| * + 1. {#tmss-16-c-4}System Peculiar Corrosion Control | |  | | | ☒{/tmss-16-c-4} | |
| * + 1. {#tmss-16-c-5}Nondestructive Inspection (NDI) | |  | | | ☒{/tmss-16-c-5} | |
| * + 1. {#tmss-16-c-6}Aircraft Structural Integrity Program (ASIP) | |  | | | ☒{/tmss-16-c-6} | |
| * + 1. {#tmss-16-c-7}ATE Operator Test Procedures | |  | | | ☒{/tmss-16-c-7} | |
| * + 1. {#tmss-16-c-8}Special Requirements for Storage and Maintenance Procedures; AUR Munitions/Launchers and Associated Support Equipment, Conventional Components and CMBR Agents | |  | | | ☒{/tmss-16-c-8} | |
| * + 1. {#tmss-16-c-9}Parachute Packing Procedures | |  | | | ☒{/tmss-16-c-9} | |
| * + 1. {#tmss-16-c-10}perators Instructions (Hand‑Held Flight Computers) | |  | | | ☒{/tmss-16-c-10} | |
| * + 1. {#tmss-16-c-11}Installation‑Engineering Facility (Ground C-E Equipment) | |  | | | ☒{/tmss-16-c-11} | |
|  | |  | | |  | |
| * 1. {#tmss-16-d}With Illustrated Parts Breakdown | |  | | | ☒{/tmss-16-d} | |
| 1. {#tmss-17-a}Aircraft Cross-servicing Guide | | MIL-DTL-22202 | | | ☒{/tmss-17-a} | |

**Table 2**

**IETM Functionality Requirements**

**Specification/Standard Interface Record for MIL-STD-3048A 20 September 2018**

**Air Force Business Rules for the Implementation of S1000D**

**SECTION I: B-1 Mandatory Requirements**

|  |  |  |
| --- | --- | --- |
| **Selection** | **Functionality Category** | **Requirements** |
|  | Annotations | Global data annotations  The IETM shall have the capability to enter, store, and display globally applicable supplemental data. Globally means it applies at the Air Force level and can be seen by all users of the IETM, whether it's an Air Force Instruction, policy memo, urgent change, or supplemental data to the IETM. |
|  | Annotations | Local data annotations  The IETM shall have the capability to enter, store, and display locally applicable supplemental data.  Local can mean either wing level, base level, MAJCOM level or any similar level and can be seen by the applicable users of the IETM at the specified level, whether it's a local instruction or policy. |
|  | Delivery and Distribution | Network delivery/distribution  Technical data shall be delivered/distributed via network such as Internet, Intranet, or LAN and shall use approved transfer protocols (FTP, HTTPS). |
|  | Graphics Functionality | Pan and zoom  At a minimum, the IETM shall provide users the capability to pan and zoom graphics. Other graphic manipulation capabilities, such as rotating or magnifying glass view, may be included. |
|  | Linking | Hot spotting  Graphics shall contain hot spots/embedded links to related information as needed. The most common  example are parts illustrations where the callouts are linked to the appropriate parts listing. |
|  | Linking | Internal and external links  All references, both internal to the document/data module and external to other documents/data modules,  shall be hyperlinked and take the user to the referenced material when clicked. |
|  | Navigation and Tracking | Filter content per applicability  The IETM shall filter the content displayed to the user based on applicability criteria given by the user. For example, the user specifies the tail number of the aircraft and only information relevant to that particular aircraft is shown. Filtering criteria are displayed in the "Additional Comments" field. At a  minimum, both tail number and TCTO (pre and post) filtering options shall be provided. |
|  | Navigation and Tracking | Next and previous  The IETM shall include "Next" and "Previous" navigation functions. These functions shall act in an  equivalent manner to the "Forward" and "Back" arrows of web browsers. |
|  | Navigation and Tracking | Restore initial navigation view  The IETM shall provide users the capability to restore the IETM interface to a default view. Frames and  other parts of the IETM interface that have been resized, moved, or hidden will be reset to the IETM's default setting. |
|  | Navigation and Tracking | Search  The IETM shall provide users the capability to search the technical content for specific characters, words,  or phrases. Users shall be able to specify whether whole or partial matches should be returned and whether to search a single data module, a range of data modules, or the entire IETM. |
|  | Navigation and Tracking | Simultaneous display of multiple content objects  The IETM shall provide the users the capability to display technical content text and any tables or graphics  simultaneously. This can be accomplished either through separate panes on the IETM interface, separate pop-up windows, or a combination of both. |
|  | Navigation and Tracking | System/subsystem navigation  The IETM shall provide users the capability to navigate through the technical content via the product's system/subsystem breakdown. User's would start at the highest level of the product (such as the aircraft itself), and would then navigate down through the system structure (such as airframe, cockpit) to find the appropriate data. |
|  | Navigation and Tracking | Text, graphic, and table searchability  All text in the technical content shall be searchable, including all text located in graphics and tables. |
|  | Printing | Data module printing  The IETM shall provide users the capability to print the current data module being viewed. TO policy must be followed with regards to printing excerpts (such as printing distribution and security statements). |
|  | Printing | Print screen  The IETM shall provide users the capability to print the screen currently being viewed. TO policy must be followed with regards to printing excerpts (such as printing distribution and security statements). |
|  | Printing | Printing data module and linked data  The IETM shall provide users the capability to print the current data module being viewed as well as any data referenced by the data module. Printed linked data shall be limited to one level of linking (i.e. any  referenced data in the linked data shall not also be printed). TO policy must be followed with regards to printing excerpts (such as printing distribution and security statements). |
|  | Publishing | Complete page-based PDF technical manual publishing  The publishing system shall be able to publish fully formatted, linear, page-based technical manuals as a PDF from authored S1000D data modules. This would be a complete publication, not an excerpt or a  single data module. |
|  | Special Content | Emergency procedure quick access  The IETM shall provide users quick (one click) access to associated emergency procedures. The IETM  shall also provide users quick (one click) access to a listing of all emergency procedures. |
|  | Special Content | Help documentation  The IETM shall have a "Help" option which provides users with documentation and guidance on how to  use the IETM and all its options. |
|  | Updates | Active change indications and markings  The IETM shall display appropriately authored change markers in the technical data and provide users with the capability to toggle the display of change markers on/off. |
|  | User Operation Mode | Disconnected mode  The IETM shall be able to operate entirely in a stand-alone or disconnected mode where the IETM is not connected to any network or Internet. |
|  | User Operation Mode | Web browser viewable  The IETM technical content shall be viewable in a standard web browser that is part of the Air Force standard desktop. Web browser plug-ins or helper applications may be used to enable additional IETM functionalities that are not possible with the standard browser. |

**SECTION II: B-2 Configurable Requirements**

|  |  |  |
| --- | --- | --- |
| **Selection** | **Functionality Category** | **Requirement** |
|  | Access | IETM tailoring via user roles/profiles  The IETM shall be customizable based on user roles. Examples of customization include enabling/disabling menu options and allowing/disallowing access of certain data modules. |
|  | Access | Login/Logout via Common Access Card (CAC)  The IETM shall provide users the capability to login and logout with their CAC. |
|  | Access | Login/Logout via username and password  The IETM shall provide users the capability to login and logout with a username and password. |
|  | Access | Login/Logout  The IETM shall provide users the capability to login and logout. |
|  | Access | Suspend/Restart  The IETM shall provide users the capability to suspend their current session and to restart the session at a future time at the point where they left off. |
|  | Annotations | Action complete indicators  The IETM shall provide users the capability to indicate that actions called for by the technical data have been completed. This is normally represented as a checkbox. |
|  | Annotations | Personal annotations  The IETM shall provide users the capability to add supplemental information or notes to the data. Personal annotations can be added or deleted at the end user's discretion but is not retained at the end of the user session. |
|  | Annotations | Redlining graphics  The IETM shall provide users the capability to redline/annotate graphics using markings for deletions, insertions, and changes. These markings are saved as feedback to correct/improve the publication during  development and verification. |
|  | Annotations | Redlining text  The IETM shall provide users the capability to redline/annotate text using markings for deletions, insertions, and changes. These markings are saved as feedback to correct/improve the publication during  development and verification. |
|  | Delivery and Distribution | Paper delivery/distribution  Technical data shall be delivered/distributed via printed paper publications. |
|  | Delivery and Distribution | Physical media delivery/distribution  Technical data shall be delivered/distributed via physical media such as DVD or hard drive. |
|  | Diagnostics and Prognostics | Dynamic diagnostics  The IETM shall interface with the product to utilize onboard monitoring devices (e.g. Built-In Test) and support/test equipment for fault detection/isolation. Troubleshooting is based on results returned from the product rather than inputs received from the maintainer. This may require external software and the  product must also support this functionality. |
|  | Diagnostics and Prognostics | Software driven diagnostics  The IETM shall guide the user (via software) through troubleshooting by analyzing maintainer inputs, fault codes, and their correlations to display the appropriate starting point/action for fault isolation instead of the maintainer using a predefined fault tree. This will require a logic engine and one or more process  data modules. |
|  | Diagnostics and Prognostics | System simulation  The IETM shall have the capability to represent the behavior or characteristics of the system function/malfunction to determine or reenact the problem. System simulation allows the user to introduce stimulus (such as pressure, valve positions, temperatures, voltages, sensor inputs, switch positions) and  present the results in a manner that models the system behaviors. This can be used to model hydraulic, fuel,  pneumatic and other systems. |
|  | Diagnostics and  Prognostics | Wire/Fluid system tracing  The IETM shall provide users the capability to select wires, fluid, pneumatic or (HVAC) line in a graphic  (diagram or schematic) and have continuity highlighted thru the circuit or schematic. |
|  | External Processes | Deficiency/improvement reporting  The IETM shall provide users the capability to report errors/improvements to the technical data by initiating  the AFTO 22 process from within the IETM. |
|  | External Processes | Maintenance data collection integration  The IETM shall have the capability to capture and transmit configuration change data (i.e. removed and  installed part number information), tasks authorized, tasks performed, results of that work, etc. This  information would be transmitted to Air Force maintenance data collection systems (such as REMIS). |
|  | External Processes | Other external system integration  If there are any other external systems beyond the ones already listed (parts ordering, AFTO 22 change  process, maintenance data collection) that should be integrated into the IETM, then these will be listed in the  "Additional Comments" field. |
|  | External  Processes | Parts ordering integration  The IETM shall interface with the supply system to allow users to order parts from within the IETM. |
|  | Functionality Category - Annotations | PDF action complete indicators  The PDF shall provide users the capability to indicate that actions called for by the technical data have been  completed. This is normally represented as a checkbox. |
|  | Graphics Functionality | 3D modeling  The product and it's components shall be modeled using 3D, solid object graphical figures and are  displayed by the IETM. The use of 3D models can allow virtual assembly, disassembly, removal and  installation of parts of the product using animation, simulation and/or virtual reality concepts. |
|  | Linking | Hot reference (tool tips)  The IETM shall display tool tips to the user on relevant "mouse overs". At a minimum, all IETM menu  options shall have tool tips as well as all acronyms and footnotes displayed in the technical data. |
|  | Navigation and Tracking | Audit trail  The IETM shall track and log all user interactions during a session. These interactions can then be retrieved  to recreate the session in case an audit is needed. |
|  | Navigation and Tracking | Dialog driven navigation  The IETM shall prompt the user for input and would then jump to the appropriate location based on the  response. This requires the use of one or more process data modules. |
|  | Navigation and Tracking | Graphical navigation  The IETM shall provide users the capability to navigate the technical data via graphical representations of the product's system/subsystem breakdown. Heavy use of hotspotting is required on the graphics. For example, from a graphical overview of the aircraft, the user selects a wing. A graphical overview of the wing is presented. The user then selects the flaps. A graphical overview of the flaps is presented. The user selects the actuator. Information on the actuator is presented. |

**SECTION III: S1000D Decision Point Tool**

The S1000D Decision Point Tool will be used to provide outputs of both the Project’s Functionality Requirements, the Project’s Business Rules, and tailored SIRs. Utilize the TMCR S1000D Decision Point Tool located at <https://techdata.wpafb.af.mil/tmss/index.html> for the MIL-STD-3048 SIR, Air Force Business Rules for the Implementation of S1000D, by selecting all applicable project functionality requirements, project business rules, and the desired tailoring options expressed in paragraphs 4. Attach the completed S1000D Decision Point Tool spreadsheet.

**Table 4 – S1000D TM Delivery Requirements**

**For \_\_\_\_\_\_\_** *(System/Item)*

 Above Section will be title of the Table and subsequent selection of each delivery requirement

 This table will have “other” option for program to add their own deliverables.

**NOTES:**

* For all other media types indicate (Y)es or (N)o
* TCTO requirements are specified in the contract vehicle approving the TCTO.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| DELIVERY SCHEDULE | | | | | | |
| Enter physical mailing address, electronic delivery location or web access point  |  | | | | | |
|
|
| Event Number of days data required **prior** to event  | PDR (Preliminary Design Review) | CDR (Critical Design Review) | In Process Review(s) | Verification | Prepublication Review | Final Delivery |
| (      Days) | (    Days) | (    Days) | (     Days) | (       Days) |  |
| Deliverable | | | | | | |
| Common Source Data Base (CSDB) |  |  |  |  |  |  |
| Business Rules Exchange (BREX) files |  |  |  |  |  |  |
| Data Management Requirements List (DMRL) |  |  |  |  |  |  |
| Stylesheets |  |  |  |  |  |  |
| Output Generation Tools/Files |  |  |  |  |  |  |
| Multimedia Files |  |  |  |  |  |  |
| Graphic Files |  |  |  |  |  |  |
| Authoring Guide(s) |  |  |  |  |  |  |
| Technical Manual Content and Product Plan |  |  |  |  |  |  |
| Configuration Control Management Plan |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
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**Section 3. Specification/Standard Interface Records (SIRs)**

**NOTES:**

1. **All** **TMSS applicable to this contract** shall have an appropriately tailored SIR attached to this section.
2. SIRs included in the untailored TMCR format represent the minimum tailoring requirements that must be included in the final contract, **unless the entire SIR is not applicable**; e.g., if MIL-DTL-22202D is not required, the entire SIR can be deleted.
3. Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from Acquisition Streamlining and Standardization Information System (ASSIST) web page, <https://assist.dla.mil/online/start/index.cfm>.
4. TMSS entries designated with A, F, M or N refer to Army, Air Force, Marine Corps or Navy requirements.
5. Comments (recommendations, additions, deletions) and any pertinent data which may be in use in improving Air Force TMSS documents should be submitted to AFLCMC/HIS 4170 Hebble Creek Road, Bldg. 280, Door 15, Area A, Wright-Patterson AFB, Oh 45433-5653 or by email to; [SGMLsupport@us.af.mil](mailto:SGMLsupport@us.af.mil). Do not include the street address, a building number or a zip+4.

**Attachment 1**

**Graphics Format Guidelines**

 Above attachment will be titled as above

**GUIDELINES:**

 Section should be titled Guidelines

 Each one of the below will be a selection and once the item is selected, the sub-bullets are automatically selected and show up for the user when selected and exported in the final document

 **Encapsulated Post Script (EPS):**

* Raster based images will not be saved as EPS but will be saved as TIFF images.
* EPS files shall not be a mix of vector and raster images. Vector based images shall be saved as EPS.
* Vector based images saved as EPS will include illustrations containing both vector and raster images.
* Any source data (photos used for tracing etc.); used in aiding of creation of EPS (templates, etc.) will be deleted from illustration prior to saving/exporting.
* If multiple layers are used, then image is to be flattened into 1 single layer before exporting to minimize file size and reduce possible printing issues.

 **Tagged Image File Format (TIFF):**

* Black and white raster images should only be saved as Bitmap and not Grayscale, RGB or CMYK.
* Grayscale or Color images (screenshots, etc.) will be saved as such (Grayscale, RGB or CMYK) and will not be bitmap converted using a halftone screen.
* To further aid in file size reduction for storage purposes, images should be compressed using Group 4 compression when saving/exporting.

 **Computer Graphics Metafile (CGM):**

* Raster based images will not be saved as CGM.
* Any source data used in aiding of creation of CGM (templates, etc.) will be deleted from illustration prior to saving/exporting.
* CGM files shall not be a mix of vector and raster images. Vector only.
* If multiple layers are used, then image is to be flattened into 1 single layer before exporting to minimize file size and reduce possible printing issues.
* Unless Version 4 is specifically required for hotspots and/or hyper linking, CGMs should be exported as version 3 to increase cross platform compatibility.

 **DWG File Format:**

* Raster based images will not be saved as DWG.
* DWG files shall not be a mix of vector and raster images. Vector only.
* Any source data used in aiding of creation of DWG (templates, etc.) will be deleted from illustration prior to saving/exporting.
* If multiple layers are used, then image is to be flattened into 1 single layer before exporting to minimize file size and reduce possible printing issues.

 **Joint Photographic Expert Group (JPEG):**

* JPEG File format should be used as last resort. Color screenshots/photos should be saved as TIFFs due to possible system compatibility issues.
* B&W Bitmaps should not be saved as JPEGs.

 **Portable Network Graphics (PNG):**

* Used for raster graphics
* Supports lossless data compression

 **Bitmap (BMP):**

* Used for raster graphics

 **Scalable Vector Graphics (SVG):**

* Two-dimensional vector and mixed vector/raster graphics

**Attachment 2**

**REQUEST FOR TECHNICAL ORDER NUMBER**

 This attachment will be titled as above and this section will remain the same with text boxes where the program will fill in the data in each line (1-22). We would like to keep the notes in the parenthesis as well.

1. **\*PRIME SYSTEM APPLICATION** (If Applicable or N/A)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. **\*CONTRACT NUMBER/PURCHASE REQUEST (PR) NUMBER:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. **\*MISSION DESIGN SERIES/NOMENCLATURE** (Name Of Equipment) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. **\*FEDERAL STOCK CLASS:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
5. **\*PART NUMBER**(s):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. **\*NSN/FSN:** (or temp NSN) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. **\*PUBLICATION TYPE** (Opn & Maint with IPB, Overhaul, WUC, IPB, LOAP, etc.) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. **\*SUGGESTED TECHNICAL ORDER NUMBER**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. **\*RECOMMENDED TITLE OF MANUAL (Leave Blank if Classified)** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. **\*CLASSIFICATION OF MANUAL**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. **\*CLASSIFICATION OF TITLE:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. **\*KIND OF EQUIPMENT** (Airborne / Ground / Not Applicable):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. **\*TEST EQUIPMENT? Yes / No**
5. PROGRAM ELEMENT CODE (PEC): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. LEAD COMMAND: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. DOES MANUAL EXIST FOR SAME/SIMILAR EQUIPMENT? **Yes / No**
8. EXISTING MANUAL TO NUMBER: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. COMMERCIAL OFF THE SHELF (COTS) ITEM: **Yes / No**
10. CONTRACTOR INFORMATION: (If Applicable)
11. NAME OF VENDOR: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. ADDRESS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
13. MANUFACTURER'S CODE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
14. POINT OF CONTACT: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. FOREIGN MILITARY SALES (FMS) YES \_\_\_ NO \_\_\_\_ (If YES, complete item 21)
16. COUNTRY CODES (For CSTO/FMS manuals): (See TO 00-5-19) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. COMMENTS:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\* = Mandatory Field**

{/wizardOptions}