

NOT MEASUREMENT
SENSITIVE

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24 March 1989
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MILITARY SPECIFICATION

TECHNICAL DATA PACKAGE, GENERAL SPECIFICATION FOR

This specification is approved for use by the Department of the Army and is available for use by all departments and agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification prescribes the requirements for the preparation of technical data packages (TDPs). Department of Defense personnel responsible for ordering TDPs shall determine their needs on the basis of the use of the data with careful consideration of the immediate planned and probable future use of the system or materiel to which the data relates.

1.2 Classification. This specification covers the following elements of the Technical Data Package (TDP).

- a. Design drawings in accordance with MIL-T-47500/1.
- b. Product drawings in accordance with MIL-T-47500/2.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, U.S. Army Missile Command, ATTN: AMSMI-RD-SE-TD-ST, Redstone Arsenal, AL 35898-5270, by using the self-addressed standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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- c. Commercial Drawings in accordance with MIL-T-47500/3.
- d. Special test equipment (STE), special inspection equipment (SIE) and special tooling drawings in accordance with MIL-T-47500/4.
- e. Specifications in accordance with MIL-T-47500/5.
- f. Quality assurance provisions in accordance with MIL-T-47500/6.
- g. Packaging instructions in accordance with MIL-STD-2073-1.

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2:1.1 Specifications, standards, and handbooks. The following specifications, standards and handbooks form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of these documents shall be those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

SPECIFICATIONS

FEDERAL

L-F-340	Film, Sensitized, Wash-Off Process, Dazotype, Moist and Dry Process, Brownprint, Roll and Sheet
L-P-519	Plastic Sheet, Tracing Glazed and Matte Finish
UU-P-561	Paper, Tracing

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MIL-D-5480	Data, Engineering and Technical, Reproduction Requirements for
MIL-D-8510	Drawings, Undimensioned, Reproducibles, Photographic and Contact, Preparation of
MIL-M-9868	Microfilming of Engineering Documents, 35MM Requirements for

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MIL-M-38761	Microfilming and Photographing of Engineering/Technical Data and Related Documents: PCAM Card Preparation, Engineering Data Micro-Reproduction System, General Requirements for, Preparation of Drawings, Design
MIL-T-47500/1	Drawings, Product
MIL-T-47500/2	Drawings, Commercial
MIL-T-47500/3	Drawings, Special Test Equipment (STE), Special Inspection Equipment (SIE) and Production Tooling
MIL-T-47500/4	Specifications
MIL-T-47500/5	Quality Assurance Provisions
MIL-T-47500/6	

STANDARDS

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DOD-STD-100	Engineering Drawing Practices
MIL-STD-275	Printed Wiring for Electronic Equipment
MIL-STD-280	Definitions of Item Levels, Item Exchangeability, Models, and Related Terms
MIL-STD-490	Specification Practices
MIL-STD-961	Military Specification and Associated Documents, Preparation of Metric System, Application in New Design
DOD-STD-1476	
MIL-STD-2073-1	DOD Materiel Procedures for Development and Application of Packaging Requirements

HANDBOOK

MILITARY

MIL-HDBK-288(MC)	Review and Acceptance of Engineering Drawing Packages
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(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Naval Publications and Forms Center, (ATTN: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120-5099).

2.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

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DOD MANUAL 5220.22-M	Department of Defense Industrial Security Manual for Safeguarding Classified Information
DOD List 5010.12-L	Acquisition Management Systems and Data Requirements Control List

(Copies of DOD Manual 5220.22-M should be obtained from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.)

(Copies of DOD List 5010.12-L are available from the Department of Defense Single Stock Point, Commanding Officer, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120.)

2.2 Order of precedence. In the event of a conflict between the text of this document and the references cited herein (except for associated detail specifications, specifications sheets, or MS Standards), the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 Associated detail specifications. The individual item requirements shall be as specified herein and in accordance with the applicable associated detail specification. In the event of any conflict between the requirements of this specification and the associated detail specification, the latter shall govern. (If a specific requirement specified herein is not required for an item, it shall be so indicated in the associated detail specification.)

3.2 General. The requirements specified herein apply to the preparation of technical data packages (TDPs). Nothing in this specification shall be construed as requiring the preparation or delivery of any data not required by contract. For items developed at government expense, TDPs prepared in accordance with this specification shall contain engineering definition sufficient for design evaluation or procurement of substantially identical items without additional design effort. Items not developed at Government expense or for which unlimited rights in data have not been acquired shall have TDPs prepared which are adequate for procurement of the same items in the future from the original manufacturer and functionally and physically interchangeable items from other sources.

3.3 Preparation and management of TDP. A TDP shall be prepared in accordance with the requirements of this specification. The prime contractor shall levy the same contract

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requirements for the TDP on the subcontractor as those levied by the Government on the prime contractor. The requirements of this specification shall be applicable to data regardless of their method of preparation or system of measurement (see 6.3).

3.4 Safeguarding classified information. TDPs and parts thereof containing classified information shall be marked in accordance with provisions of the DOD Manual 5220.22-M.

3.5 Metric application. The application of the metric system in new design when specified in the contract or order shall be in accordance with DOD-STD-1476.

3.6 Drawing and associated lists selection. Drawings and associated lists shall be selected from the following:

3.6.1 Design drawings. Design drawings shall be in accordance with the requirements of this specification and the detail requirements contained in MIL-T-47500/1.

3.6.2 Product drawings. Product drawings shall be in accordance with the requirements of this specification and the detail requirements contained in MIL-T-47500/2.

3.6.3 Commercial drawings. Commercial drawings shall be in accordance with the requirements of this specification and the detail requirements contained in MIL-T-47500/3.

3.6.4 Special test equipment (STE), special inspection equipment (SIE), and special tooling drawings. These drawings shall be in accordance with the requirements of this specification and the detail requirements contained in MIL-T-47500/4.

3.6.5 Associated lists. Associated lists shall be prepared in accordance with the instructions contained in DOD-STD-100.

3.7 Specifications. Specifications shall be prepared in accordance with the requirements of this specification and the detail requirements of MIL-T-47500/5.

3.7.1 Critical manufacturing processes. Critical manufacturing processes, methods, and sequences shall be documented as type D specifications, as applicable in accordance with MIL-T-47500/5.

3.8 Quality assurance provisions (QAPs). QAPs shall be prepared in accordance with the requirements of this specification and the detail requirements of MIL-T-47500/6.

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3.9 Hardware packaging. Preservation, packing and marking requirements shall be documented for each end item and repair part. Packaging requirements shall be documented on Preservation and Packaging Data Form and the Special Packaging Instruction Forms, as applicable in accordance with MIL-STD-2073-1. Detailed drawings required to properly describe packaging requirements shall be prepared in accordance with paragraph 3.6 of this specification.

3.10 Reference documents. Documents referenced on drawings or other parts of the TDP shall be furnished as an integral part of the TDP. Company standards, when authorized by the contract or order, shall meet the requirements of paragraph 3.13. When first tier references do not provide the essential technical information, the subordinate reference documents shall also be provided to meet the technical disclosure requirements. However, technical manuals, procedural manuals, maintenance manuals and company drafting manuals are not considered reference documents.

3.11 Items covered by Government and Non-Government specifications and standards (DOD-STD-100). Except for commercial drawings covered by MIL-T-47500/3, TDPs and component parts thereof shall not be prepared or submitted for requirements that are defined by Government or nationally recognized industry association specifications or standards.

3.12 Existing data. Existing data meeting all the following criteria shall be submitted in lieu of new data when:

a. It and the referenced documents do not contain the limited rights legend.

b. It is furnished with no increase in cost to the Government.

c. It does not reference documents as defined in paragraph 3.13 unless the documents and the referenced documents therein are provided as a part of the TDP.

d. It meets the legibility and reproducibility requirements of MIL-D-5480 and MIL-M-9868.

e. It meets the disclosure requirements of the applicable associated detail specification(s).

f. Nonstandard drawing practices or symbols are employed, explanations are provided on the drawing or in a document referenced on the drawing.

g. Documents are identified by Commercial and Government Entity (CAGE) Code, document title and number, and applicable contract number(s).

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3.12.1 Revision of existing documents. Existing documents that can be revised to meet the requirements of the applicable detail specification shall be revised and furnished in lieu of preparing new documents provided they conform to 3.12 of this specification.

3.13 Company standards. If a company standard is to be cited in a TDP, except for commercial drawings, as a reference document it shall meet the following requirements:

a. It shall be identified by name and address of the issuing company, CAGE Code, document title and number, and delivery contract number.

b. It is furnished with unlimited rights.

c. It shall provide design disclosure information adequate for open competition.

d. It shall as a minimum, satisfy the same procurement requirements as a specification control drawing when it defines a vendor item.

e. Where nonstandard drawing practices and symbols are used they shall have explanations provided on the drawing or in a document referenced on the drawing.

f. It meets the legibility and reproducibility requirements of MIL-D-5480 and MIL-M-9868.

NOTE: In those cases where a company standard includes the limited rights legend, a Government document will be developed to provide form, fit, and function data (DFAR 227.472-5(d)(2)).

3.14 Contractor identification on documents. TDPs and components thereof prepared or submitted under the requirements of this specification shall be identified with the name and CAGE Code of the contractor and the contract number. However, when the identification is applied to the first sheet of a multiple sheet drawing or list, it shall be deemed applicable to all sheets. When drawings are prepared under a subcontract to the Government contractor, the subcontractor shall, in addition to the Government contractor, be identified on the document by CAGE Code or name and subcontract number (DFAR 217.473-4(a)).

3.15 Quality conformance inspection data. Quality conformance inspection data shall be prepared at each item level identified in MIL-STD-280 and shall reflect the use of commercial inspection equipment and standards as opposed to special inspection equipment. When an item requires special inspection

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and test requirements to verify it meets stated parameters, these special inspections and test requirements shall be stated on the drawing or in a document referenced thereon.

3.16 Reproductions. Reproductions shall be as specified on the selection worksheet.

3.17 Selection of options. TDP shall be prepared to meet the requirements of the selection worksheets (Appendix A).

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements (examinations and tests), as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification and the associated detail specifications where such inspections are deemed necessary to ensure supplies and services conform to prescribed requirements.

4.1.1 Responsibility for compliance. The TDP shall meet all requirements of sections 3 and 5 and the applicable associated detail specifications. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification and the associated detail specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling inspection, as part of manufacturing operations, is an acceptable practice to ascertain conformance to requirements, however, this does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to acceptance of defective material.

4.1.2 Government in-process review. During preparation of data the Government reserves the right to perform in-process reviews as required by the contract or order.

4.2 Contractor TDP quality control system. The contractor shall develop and maintain an adequate system for the detailed examination and technical review of the TDP or component parts thereof to be supplied under the terms of the contract. The system shall assure the conformance of the TDP to all

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requirements specified herein and the applicable associated detail specifications. When specified, the TDP control system shall be documented in the technical data package quality control program plan to meet the requirements of this specification and applicable associated detail specifications (see 6.3).

4.2.1 TDP inspection procedures. The contractor inspection procedures shall cover:

a. Assignment of responsibility for detail examination, review and supplier's final approval of the TDP.

b. Qualifications of personnel performing detail examination and review of the TDP.

c. Procedural flow within the organization for the development, review, and approval process of the TDP.

d. Review for preparation of control drawings for only those items approved for use in the design.

e. The detail examination, review and final approval of the TDP. If check lists are used they shall be included in the program plan.

f. Method of ensuring that engineering changes have been incorporated into the TDP.

g. Methods for assuring that all appropriate security markings are properly placed within the TDP.

h. Methods providing for the prevention and ready detection of TDP discrepancies and for timely and positive corrective action of all discrepancies and the procedures which caused the discrepancies.

1. Review to ensure proper limited rights markings.

4.3 Nonconforming documents. Failure of the TDP or component parts thereof to conform to the requirements of this specification and the associated detail specification(s) will result in rejection as nonconforming. Nonconforming documents, company standards, and reference documents shall be re-examined after correction of all discrepancies. The contractor shall identify the deficiencies corrected and the action taken to prevent recurrence.

4.4 Validation of the TDP. The contractor shall validate that the TDP defines the depicted item as conforming to the contractual requirements, and the TDP itself conforms to

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contractual requirements. When specified in the contract or order, a validation report shall be prepared (see 6.2.2). In those instances where hardware has been developed or produced by the contractor, use of the TDP in producing, inspecting, and testing satisfactory hardware is considered acceptable evidence that the validation requirement has been met.

5. PACKAGING

5.1 Packaging of the TDP. Packaging shall be as required by the specification or standard controlling the deliverable media cited in the contract except that a data list(s) conforming to DOD-STD-100 and entitled "MIL-D-5480, Shipping List(s)" may be substituted for the shipping list when it contains the information required, and all items not included in the shipment are deleted from the list.

5.1.1 Document originals. When originals are a contractual delivery requirement packaging shall conform to MIL-D-5480, level B.

5.1.2 Reproducible and non-reproducible copy. When delivering reproducible and non-reproducible copies of drawings is a contractual requirement, packaging shall conform to MIL-D-5480, level C.

5.1.3 Magnetic media. When delivery of magnetic media is a contractual requirement, packaging shall comply with contract requirements.

5.1.4 Aperture cards. When delivery of aperture cards containing microfilm is a contractual requirement, packaging shall conform to MIL-M-38761.

5.1.5 Roll microfilm. When delivery of roll microfilm is a contractual requirement, packaging shall conform to MIL-M-9868.

5.1.6 Undimensioned drawings. When delivery of undimensioned drawings is a contractual requirement, packaging shall conform to MIL-D-8510, Type II.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. This specification covers the preparation of TDPs. TDPs conforming to the requirements of this specification are intended for use as a basis for competitive acquisition, installation, manufacturing, maintenance, modification, or engineering support of military materiel developed by or for the Department of Defense.

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6.2 Acquisition requirements. Acquisition documents must specify the following:

a. Title, number, and date of this specification and related detail associated specifications. Selection of associated detail specifications and Data Item Descriptions (DID's) will be accomplished through the use of Appendix B guidance.

b. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.1.1).

c. The applicable selection worksheets (reproduced, completed and included within the contract (see 3.17)).

6.3 Data requirements. The following Data Item Descriptions (DID's) must be listed, as applicable, on the Contract Data Requirements List (DD Form 1423) when this specification is applied on a contract, in order to obtain the data, except where DOD FAR Supplement 227.475-1 exempts the requirement for a DD Form 1423.

<u>Ref Para</u>	<u>DID Number</u>	<u>DID Title</u>	<u>Suggested Tailoring</u>
3.3	DI-CMAN-80776	Technical data package	--
4.2	DI-CMAN-80777	TDP quality control program plan	--
4.4	DI-CMAN-80792	Validation report	--

The above DID's were those cleared as of the date of this specification. The current issue of DOD 5010.12-L, Acquisition Management Systems and Data Requirements Control List (AMSDL), must be researched to ensure that only current, cleared DID's are cited on the DD Form 1423.

6.4 Definitions. For the purpose of this specification the following definitions apply:

6.4.1 Associated lists. An associated list is a tabulation of pertinent engineering information pertaining to an item depicted in a technical data package, on a drawing, or on a set of drawings.

6.4.2 Commercial drawings. Drawings prepared by a commercial design activity, prepared on their drawing format, and to their standards for the development and manufacture of the product produced.

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6.4.3 Commercial inspection equipment (CIE). Standard equipment of commercial design that has not been modified, having universal application without limitations to a specific commodity, item, or component which is advertised or cataloged as being available to the trade or to the public on an unrestricted basis and is used to determine compliance to technical data package (TDP) requirements.

6.4.4 Company standard. A company standard is a document that establishes company engineering and technical limitations and applications for items, materials, processes, methods, design and engineering practices unique to that company.

6.4.5 Design disclosure information. The complete description, including all specifications, standards, drawings, lists, and critical processes necessary to manufacture an item without recourse to additional design or engineering services.

6.4.6 Design drawings. Those drawings of a conceptual or developmental nature prepared for use in evaluating proposed technology, design concept, design approach, and fabrication of hardware for test or experimentation in response to stated requirements. Although ideally design drawings would evolve to product drawings, the requirements of DOD-STD-100 may not be applicable.

6.4.7 Inspection equipment. Inspection equipment is such equipment as dimensional gauges, measurement equipment, test fixtures, electronic and physical test equipment, and other test equipment that is used for examination, evaluation and test of a product to determine its conformance to drawings, specifications, or other requirement documents.

6.4.8 Product drawings. These drawings provide engineering design disclosure data for support of production and competitive procurement (see 6.3.5).

6.4.9 Quality assurance provisions (QAPs). QAPs are an integral part of the TDP and define quality assurance actions to be taken to determine that the manufactured item conforms to stated requirements. These QAPs consist of inspection instructions which specify what is to be inspected, how many items are to be inspected, how the inspection is to be conducted (i.e., how the product is to be evaluated, examined, or tested), and the criteria to be used for determination of acceptability of the product.

6.4.10 Reference documents. Reference documents are documents that contain required engineering data that is too voluminous to be placed upon the drawing or is data applicable to more than one item, process, or material.

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6.4.11 Shipping list. A shipping list is a tabulation of all documents included in a delivery or shipment.

6.4.12 Special tooling. Jigs, dies, fixtures, molds, patterns, taps, gauges, other equipment and manufacturing aids, all components of these items, and replacement of these items, which are of such a specialized nature that without substantial modification or alteration their use is limited to the development or production of particular supplies or parts thereof or to the performance of particular services (FAR 45.101).

6.4.13 Special test equipment (STE) (also called special inspection equipment (SIE)). Either single or multipurpose integrated test units engineered, designed, fabricated, or modified to accomplish special purpose testing in performing a contract. It consists of items or assemblies of equipment that are interconnected and interdependent so as to become a new functional entity for testing purposes (FAR 45.101).

6.4.14 Specifications. Specifications are documents prepared specifically to support acquisition which clearly and accurately describe the essential technical requirements for purchased items, materials, and processes. Procedures necessary to determine that the requirements for purchased items, materials, and processes covered by the specifications, have been met shall also be included.

6.4.15 Technical data package (TDP). A technical description of an item adequate for supporting an acquisition strategy, production, and engineering. The description defines the required design configuration and procedures to assure adequacy of item performance. It consists of all applicable technical data such as drawings, associated lists, specifications, standards, performance requirements, quality assurance provisions, and packaging details.

6.5 Government verification. MIL-HDBK-288 may be used as a guide for TDP verification.

6.6 Commercial and Government Entity (CAGE) Code. The (CAGE) Code has replaced the Federal Supply Code for Manufacturers (FSCM) number.

6.7 Subject term (key word) listing.

Drawings
Specification
Technical Data Package

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APPENDIX A

TECHNICAL DATA PACKAGE SELECTION WORKSHEET

This selection worksheet is provided by the procuring activity.

Selection of options are established as indicated by entry of a (X) for the selected option or explanatory remark as applicable.

TDP ELEMENTS	PARA. REF.	SELECTION	
Design Drawings	3.6.1	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Product Drawings	3.6.2	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Commercial Drawings	3.6.3	Yes <input type="checkbox"/>	No <input type="checkbox"/>
SIE, STE, & Prod Tooling Drawings	3.6.4	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Specifications	3.7	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Quality Assurance Provisions	3.8	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Packaging Instructions	3.9	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Component parts of the TDP are as indicated in the selection column.

ELEMENT	PARA. REF.	SELECTION	
Responsible for Inspection	4.1	Government <input type="checkbox"/>	Contractor <input type="checkbox"/>
TDP Quality Control System	4.2	Required <input type="checkbox"/>	Not Required <input type="checkbox"/>
TDP Validation	4.4	Required <input type="checkbox"/>	Not Required <input type="checkbox"/>
Measurement System	3.5	Metric <input type="checkbox"/>	Inch-Pound <input type="checkbox"/>
Document Originals	3.17	Required** <input type="checkbox"/>	Contr. Retain <input type="checkbox"/>
Company Standards*	3.12	Allowed <input type="checkbox"/>	Not Allowed <input type="checkbox"/>
In-Process TDP Reviews	4.1.2	Will Be Conducted <input type="checkbox"/>	Will Not Be Conducted <input type="checkbox"/>

**Procuring Contracting Officer to provide shipping instructions.

*Does not apply to commercial drawings.

DRAWING ELEMENT	PARA. REF.	SELECTION	
Parts List	3.6.5	Required <input type="checkbox"/>	Not Required <input type="checkbox"/>
(If required, check A, B, or C)		A. Integral <input type="checkbox"/>	B. Separate <input type="checkbox"/>
		C. Contractor Option <input type="checkbox"/>	
Data List	3.6.5	Required <input type="checkbox"/>	Not Required <input type="checkbox"/>
Index List	3.6.5	Required <input type="checkbox"/>	Not Required <input type="checkbox"/>
Shipping List	5.1	Required <input type="checkbox"/>	Not Required <input type="checkbox"/>

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SELECTION WORKSHEET FOR MIL-T-47500/1

<u>DRAWING ELEMENT</u>	<u>REFERENCE</u>	<u>SELECTION</u>
Class of Drawings	3.1	Conceptual <input type="checkbox"/> Developmental <input type="checkbox"/> Both <input type="checkbox"/>
Design Activity Name Drawing Numbers CAGE Code	3.3	Contractor <input type="checkbox"/> Government <input type="checkbox"/> Name: _____ Drawing Numbers _____ thru _____ CAGE Code _____
If Government agency is to be listed as design activity and provide drawing numbers, provide agency name, drawing numbers, and CAGE code.		
Formats	3.3	Government <input type="checkbox"/> Supplied By: _____ Contractor <input type="checkbox"/> Samples Supplied By: _____
If Government, indicate office to supply formats. If contractor, indicate office to furnish samples.		
Types and Quantity of Drawings	3.4	Contractor <input type="checkbox"/> Government <input type="checkbox"/> See Attachment: _____
Specify types and quantity of drawings to be prepared.		
DOD-STD-100	3.5.1	Applies <input type="checkbox"/> Does Not Apply <input type="checkbox"/>
Control Drawings	3.5.2	
Specification Control		Allowed <input type="checkbox"/> Not Allowed <input type="checkbox"/>
Source Control		Allowed With <input type="checkbox"/> Not Allowed <input type="checkbox"/>
		Prior Approval <input type="checkbox"/>
Altered Item		Required <input type="checkbox"/> Not Required <input type="checkbox"/>
Selected Item		Required <input type="checkbox"/> Not Required <input type="checkbox"/>

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DESIGN DRAWINGS

SELECTION WORKSHEET FOR MIL-T-47500/1

<u>DRAWING ELEMENT</u>	<u>REFERENCE</u>	<u>SELECTION</u>
Format Material	3.6	Plastic Sheet L-P-519 <input type="checkbox"/> Specify: Type _____ Class _____ Thickness _____ Paper UU-P-561 Mandatory <input type="checkbox"/> Required <input type="checkbox"/> Contractor's Option <input type="checkbox"/> Production Masters MIL-STD-275 Polyester Film 7 mil <input type="checkbox"/> (MIL-D-8510) Film (L-F-340) <input type="checkbox"/> Photographic Glass Plates <input type="checkbox"/> Other (Specify) _____ _____ _____

Reproductions (MIL-D-5480)

3.3

Required Not Required

NOTES:

1. CDRL, DD Form 1423 will specify quantities, delivery dates, and addresses.
2. Statement of Work must specify type of reproduction for each TDP component.
3. Select as many types of reproductions as required.
4. When "magnetic media" or "other" is selected, specify all detail requirements in the statement of work or CDRL.

Select From:

- Roll Microfilm
- Aperture Cards
- Magnetic Media
- Reproductions Type II
- Class 1
- Blue Line
- Photocopy
- Diazo Prints
- Class 2
- Brownline Prints
- Diazo Prints
- Electrostatic Prints
- Stable Base
- Other
- Specify _____

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PRODUCT DRAWINGS

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SELECTION WORKSHEET FOR MIL-T-47500/2

<u>DRAWING ELEMENT</u>	<u>REFERENCE</u>	<u>SELECTION</u>
Design Activity Name Drawing Numbers CAGE Code If government agency is to be listed as design activity and provide drawing numbers, provide agency name, drawing numbers, and CAGE code.	3.6	Contractor <input type="checkbox"/> Government <input type="checkbox"/> Name: _____ Drawing Numbers _____ thru _____ CAGE Code _____
Formats	3.6	Government <input type="checkbox"/> Supplied By: _____ Contractor <input type="checkbox"/> Samples Supplied By: _____
Types and Quantity of Drawings Specify types and quantity of drawings to be prepared.	3.4	Contractor <input type="checkbox"/> Government <input type="checkbox"/> See Attachment: _____
Drawing Details	3.6	Monodetail <input type="checkbox"/> Multidetail <input type="checkbox"/> Contractor Option <input type="checkbox"/>
Find Numbers	3.6	Permitted with Prior Approval <input type="checkbox"/> Required <input type="checkbox"/> Not Required <input type="checkbox"/> Contractor Option <input type="checkbox"/>
Application Blocks on Drawings	3.6	Required <input type="checkbox"/> Not Required <input type="checkbox"/> Contractor Option <input type="checkbox"/>
Vendor Substitution Data	3.8	Required <input type="checkbox"/> Not Required <input type="checkbox"/>

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SELECTION WORKSHEET FOR MIL-T-47500/2

<u>DRAWING ELEMENT</u>	<u>REFERENCE</u>	<u>SELECTION</u>
Reproductions (MIL-D-5480)	3.3	Required <input type="checkbox"/> Not Required <input type="checkbox"/>
NOTES:		Select From:
1. CDRL, DD Form 1423 will specify quantities, delivery dates, and addresses.		Roll Microfilm <input type="checkbox"/>
2. Statement of Work must specify type of reproduction for each TDP component.		Aperture Cards <input type="checkbox"/>
3. Select as many types of reproductions as required.		Magnetic Media <input type="checkbox"/>
4. When "magnetic media" or "other" is selected, specify all detail requirements in the statement of work or CDRL.		Reproductions Type II <input type="checkbox"/>
		Class 1 <input type="checkbox"/>
		Blue Line <input type="checkbox"/>
		Photocopy <input type="checkbox"/>
		Diazo Prints <input type="checkbox"/>
		Class 2 <input type="checkbox"/>
		Brownline Prints <input type="checkbox"/>
		Diazo Prints <input type="checkbox"/>
		Electrostatic Prints <input type="checkbox"/>
		Stable Base <input type="checkbox"/>
		Other <input type="checkbox"/>
		Specify _____

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COMMERCIAL DRAWINGS

SELECTION WORKSHEET FOR MIL-T-47500/3

<u>DRAWING ELEMENT</u>	<u>REFERENCE</u>	<u>SELECTION</u>	
Reproductions (MIL-D-5480)	3.3	Required <input type="checkbox"/>	Not Required <input type="checkbox"/>
<p><u>NOTES:</u></p> <p>1. CDRL, DD Form 1423 will specify quantities, delivery dates, and addresses.</p> <p>2. Statement of Work must specify type of reproduction for each TDP component.</p> <p>3. Select as many types of reproductions as required.</p> <p>4. When "magnetic media" or "other" is selected, specify all detail requirements in the statement of work or CDRL.</p>		<p>Select From:</p> <p>Roll Microfilm <input type="checkbox"/></p> <p>Aperture Cards <input type="checkbox"/></p> <p>Magnetic Media <input type="checkbox"/></p> <p>Reproductions Type II:</p> <p> Class 1:</p> <p> Blue Line <input type="checkbox"/></p> <p> Photocopy <input type="checkbox"/></p> <p> Diazo Prints <input type="checkbox"/></p> <p> Class 2:</p> <p> Brownline Prints <input type="checkbox"/></p> <p> Diazo Prints <input type="checkbox"/></p> <p> Electrostatic Prints <input type="checkbox"/></p> <p>Stable Base <input type="checkbox"/></p> <p>Other <input type="checkbox"/></p> <p>Specify _____</p>	

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SIE, STE, & PROD TOOLING DRAWINGS

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SELECTION WORKSHEET FOR MIL-T-47500/4

<u>DRAWING ELEMENT</u>	<u>REFERENCE</u>	<u>SELECTION</u>
Design Activity Name Drawing Numbers CAGE Code	3.5	Contractor <input type="checkbox"/> Government <input type="checkbox"/> Name: _____ Drawing Numbers _____ thru _____ CAGE Code _____
If Government agency is to be listed as design activity and provide drawing numbers, provide agency name, drawing numbers, and CAGE code.		
Formats	3.5	Government <input type="checkbox"/> Supplied By: _____ Contractor <input type="checkbox"/> Samples Supplied By: _____
Types and Quantity of Drawings Specify types and quantity of drawings to be prepared.	3.4	Contractor <input type="checkbox"/> Government <input type="checkbox"/> See Attachment: _____
Application Blocks on Drawings	3.5	Required <input type="checkbox"/> Not Required <input type="checkbox"/> Contractor Option <input type="checkbox"/>
Format Material	3.6	Plastic Sheet L-P-519 <input type="checkbox"/> Specify: Type _____ Class _____ Thickness _____ Paper UU-P-561 Mandatory <input type="checkbox"/> Required <input type="checkbox"/> Contractor's Option <input type="checkbox"/> Production Masters MIL-STD-275 Polyester Film 7 mil <input type="checkbox"/> (MIL-D-8510) Film (L-F-340) <input type="checkbox"/> Photographic Glass Plates <input type="checkbox"/> Other (Specify) _____

MIL-T-47500(MI)

SIE, STE, & PROD TOOLING DRAWINGS

SELECTION WORKSHEET FOR MIL-T-47500/4

<u>DRAWING ELEMENT</u>	<u>REFERENCE</u>	<u>SELECTION</u>	
Reproductions (MIL-D-5480)	3.3	Required <input type="checkbox"/>	Not Required <input type="checkbox"/>
<p><u>NOTES:</u></p> <p>1. CDRL, DD Form 1423 will specify quantities, delivery dates, and addresses.</p> <p>2. Statement of Work must specify type of reproduction for each TDP component.</p> <p>3. Select as many types of reproductions as required.</p> <p>4. When "magnetic media" or "other" is selected, specify all detail requirements in the statement of work or CDRL.</p>		<p>Select From:</p> <p>Roll Microfilm <input type="checkbox"/></p> <p>Aperture Cards <input type="checkbox"/></p> <p>Magnetic Media <input type="checkbox"/></p> <p>Reproductions Type II <input type="checkbox"/></p> <p> Class 1 <input type="checkbox"/></p> <p> Blue Line <input type="checkbox"/></p> <p> Photocopy <input type="checkbox"/></p> <p> Diazo Prints <input type="checkbox"/></p> <p> Class 2 <input type="checkbox"/></p> <p> Brownline Prints <input type="checkbox"/></p> <p> Diazo Prints <input type="checkbox"/></p> <p> Electrostatic Prints <input type="checkbox"/></p> <p>Stable Base <input type="checkbox"/></p> <p>Other <input type="checkbox"/></p> <p>Specify _____</p>	

MIL-T-47500 (MI)

SPECIFICATIONS

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SELECTION WORKSHEET FOR MIL-T-47500/5

<u>SPECIFICATION ELEMENT</u>	<u>PARA. REF.</u>	<u>CONTENT/OPTION</u>	<u>SELECTION</u>
Classification/Type	3.2.1	Coordinated: Fully Coordinated Limited Coordinated Used in Lieu Of	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	3.2.2	Program-Peculiar Type A System Type A Segment Type B1 Prime Item Type B2 Critical Item Type B3 Noncomplex Item Type B4 Facility or Ship Type B5 Software Type C Product: C1a Prime Item Function C1b Prime Item Fabrication C2a Critical Item Function C2b Critical Item Fabrication C3 Noncomplex Item Fabrication C4 Inventory Item C5 Software Type D Process Type E Material	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Forms (selection for program peculiar spec only)	3.1.1	Form 1 Form 2 Form 3	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Identification	3.8	Government Assigned Numbers Contractor Assigned Numbers	<input type="checkbox"/> <input type="checkbox"/>
Associated Documents	3.9	Notice Amendment Supplement Specification Sheet Specification Change Notice	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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SPECIFICATIONS

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SELECTION WORKSHEET FOR MIL-T-47500/5

<u>SPECIFICATION ELEMENT</u>	<u>PARA. REF.</u>	<u>SELECTION</u>	
Reproductions (MIL-D-5480)	3.3	Required <input type="checkbox"/>	Not Required <input type="checkbox"/>
NOTES:		Select From:	
1. CDRL, DD Form 1423 will specify quantities, delivery dates, and addresses.		Roll Microfilm	<input type="checkbox"/>
		Aperture Cards	<input type="checkbox"/>
		Magnetic Media	<input type="checkbox"/>
2. Statement of Work must specify type of reproduction for each TDP component.		Reproductions Type II	<input type="checkbox"/>
		Class 1	<input type="checkbox"/>
		Blue Line	<input type="checkbox"/>
		Photocopy	<input type="checkbox"/>
		Diazo Prints	<input type="checkbox"/>
		Class 2	<input type="checkbox"/>
		Brownline Prints	<input type="checkbox"/>
		Diazo Prints	<input type="checkbox"/>
		Electrostatic Prints	<input type="checkbox"/>
		Stable Base	<input type="checkbox"/>
		Other	<input type="checkbox"/>
		Specify _____	<input type="checkbox"/>

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APPENDIX B

GUIDE FOR APPLICATION AND SELECTION OF REQUIREMENTS
FOR TECHNICAL DATA PACKAGES

This appendix is not a mandatory part of the specification.
The information contained herein is for guidance only.

10. SCOPE

10.1 Scope. This appendix is provided to aid the requiring element and the procuring activity in the selection of requirements for technical data packages (TDPs). Selection of requirements is made to support the acquisition strategy in consideration of cost effective application.

10.1.1 Application. Application of this specification for tailoring of requirements for TDPs consists of: (1) deletion of requirements contained herein; (2) selective application of data item descriptions (DIDs); (3) selection of appropriate detail specifications cited herein; and (4) the selection of optional requirements via the selection worksheet of the general specification (MIL-T-47500).

20. APPLICABLE DOCUMENTS.

20.1 Other government documents. The following document forms a part of this appendix to the extent specified herein.

DOD Directive 5000.43 Acquisition Streamlining

(Copies of DODD 5000.43 are available from Commanding Officer, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120.)

30. GENERAL.

30.1 Considerations in TDP selections. In order to acquire the minimum essential TDPs in support of the acquisition strategy for a particular program, consideration must be given to:

- a. DOD material life-cycle phases.
- b. Selection of DIDs.
- c. Component parts of the TDP to be required.
- d. Selection of options on the selection worksheet.

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APPENDIX B

30.2 Life-cycle phase. To assure the effective application of TDP procurement requirements to a particular program, proper selection of TDP requirements must be consistent with acquisition strategy and intended use. Table 1 provides application guidelines for the life-cycle application and selection of composition of the TDP with selection of applicable DIDs. An "X" indicates a particular item is available for use. Notes are used to further explain use.

- Note 1. TDP is limited to preparation or update of system specification supported with design concept drawings.
- Note 2. TDP is limited to update of system specification and preparation of system/segment specification, if applicable, supported by design developmental drawings.
- Note 3. Applicable only if requirement exists for special inspection equipment (SIE), special test equipment (STE) or production tooling documentation in the contract.
- Note 4. Generally not applicable except for a development program for product improvement.
- Note 5. Applicable for update and maintenance for the TDP.
- Note 6. Available for use when less than a complete TDP is to be acquired, i.e., component parts, as required, must also cite MIL-T-47500 and applicable detail specification.

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TABLE I. APPLICATION GUIDELINES.

	CONCEPT EXPLORATION	DEMO VALIDATION	FULL-SCALE DEVELOPMENT	PRODUCTION/ OPERATION/ DEPLOYMENT
MIL-T-47500	NOTE 1	NOTE 2	X	NOTE 5
/1	NOTE 1	NOTE 2	NA	NOTE 4
/2	NA	NA	X	NOTE 5
/3	NA	NA	X	NOTE 5
/4	NA	NA	X	NOTE 3
/5	NOTE 1	NOTE 2	X	NOTE 5
/6	NA	NA	X	NOTE 3
MIL-STD-2073-1	NA	NA	X	NOTE 5
DI-CMAN-80776	NOTE 1	NOTE 2	X	NOTE 5
DI-CMAN-80792	NA	NA	X	NOTE 5
DI-CMAN-80777	NA	NA	X	NOTE 5
DI-CMAN-80778	NOTE 1	NOTE 2	NOTE 4	NOTE 6
DI-CMAN-80779	NA	NA	NOTE 6	NOTE 6
DI-DRPR-80055	NA	NA	X	NOTE 5
DI-CMAN-80783	NA	NA	X	NOTE 5
DI-CMAN-80780	NA	NA	X	NOTE 5
DI-CMAN-80784	NA	NA	NOTE 6	NOTE 6
DI-CMAN-89781	NA	NA	NOTE 6	NOTE 6
DI-CMAN-80785	NA	NA	NOTE 3	NOTE 3
DI-CMAN-80786	NA	NA	NOTE 3	NOTE 3
DI-CMAN-80787	NA	NA	NOTE 3	NOTE 3
DI-CMAN-80782	NA	NA	NOTE 6	NOTE 6
DI-CMAN-80788	NA	NOTE 6	NOTE 6	NOTE 6
DI-CMAN-80789	NA	NOTE 6	NOTE 6	NOTE 6

Custodian:
Army - MI

Preparing activity:
Army - MI

(Project No. CMAN-0014)

Review activities:
Army - AR, AT, AV, CE, CR, GL, ME, SM