

NOT MEASUREMENT
SENSITIVE

MIL-STD-1790B (USAF)

10 April 1991

Superseding

MIL-STD-1790A (USAF)

7 November 1986

MILITARY STANDARD
DATA REQUIREMENTS ASSOCIATED WITH TECHNICAL MANUAL
ACQUISITION AND MAINTENANCE



AMSC F6101

AREA TMSS

Distribution Statement A. Approved for public release;
distribution is unlimited.

MIL-STD-1790B(USAF)

FOREWORD

1. This military standard is approved for use by the Department of the Air Force and is available for use by all Departments and Agencies of the Department of Defense.
2. Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: HQ AFLC/ENCS, Wright-Patterson AFB, OH 45433-5001 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

MIL-STD-1790B (USAF)

CONTENTS

<u>PARAGRAPH</u>		<u>PAGE</u>
1.	SCOPE	1
1.1	Scope	1
2.	REFERENCE DOCUMENTS	2
2.1	Government documents	2
2.1.1	Other Government documents, drawings and publications	2
2.2	Order of precedence	2
3.	DEFINITIONS	3
3.1	Technical Manual	3
4.	GENERAL REQUIREMENTS	4
4.1	General requirements	4
5.	DETAILED REQUIREMENTS	5
5.1	Development Plan for Technical Manuals	5
5.1.1	Technical Manual Publication Plan (TMPP)	5
5.1.2	Technical Manual Schedules and Status Report	5
5.2	Procedural Support Data	5
5.3	Contractor Furnished Aeronautical Equipment/Con- tractor Furnished Equipment (CFAE/CFE) Notices.	5
5.4	Validation	5
5.4.1	Technical Manual Validation Plan	5
5.4.2	Validation Completion Report, Technical Manuals	5
5.5	Technical Manual Quality Assurance Program Plan	6
5.6	Explosive Ordnance Disposal Procedures	6
5.7	Technical Manual Data Research and Analysis Source Data	6
6.	NOTES	7
6.1	Intended Use	7
6.1.1	Technical Manual Publication Plan (TMPP)	7
6.1.2	Technical Manual Schedules and Status Report	7
6.1.3	Procedural Support Data	7
6.1.4	CFAE/CFE Notices	7
6.1.5	Technical Manual Validation Plan	7
6.1.6	Validation Completion Report, Technical Manuals	7
6.1.7	Technical Manual Quality Assurance Program Plan	7
6.1.8	Explosive Ordnance Disposal Procedures	7
6.1.9	Technical Manual Data Research and Analysis Source Data	8
6.2	Data Requirements	8
6.3	Subject term (key word) listing	9
6.4	Changes from previous issue	9

MIL-STD-1790B(USAF)

1. **SCOPE**

1.1 Scope. This standard sets forth the general requirements for acquisition of data to support the acquisition and maintenance of technical manuals, including those in digital format. Data are an integral part of the technical manual development and maintenance process. Data requirements must be planned, monitored and updated to ensure timely completion and delivery for adequate logistics support. Requirements of this standard will be adapted to fit the specific equipment or situation being covered.

MIL-STD-1790B(USAF)

2. REFERENCE DOCUMENTS

2.1 Government documents.

2.1.1 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.

TM-86-01 Air Force Technical Manual Contract
Requirements

(Copies of specifications, standards, handbooks, drawings and publications required by contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer.)

2.2 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

MIL-STD-1790B(USAF)

3. DEFINITIONS

3.1 Technical manual. The term technical manual(s) used throughout this document shall be used as the generic term to also include technical orders and related technical publications.

MIL-STD-1790B(USAF)

4. GENERAL REQUIREMENTS

4.1 General requirements. Technical Manuals, as identified by the acquiring activity, provide complete technical instructions for Air Force equipment when developed in accordance with the applicable detail specifications. This standard will govern the process for development of technical manual related data. Air Force Technical Manual Contract Requirements (TMCR) TM-86-01 will be used to identify the types of technical manuals required. Data Item Descriptions (DID) and Contract Data Requirements List (CDRL) will specify the technical manual related data requirements and their preparation and delivery.

MIL-STD-1790B(USAF)

5. DETAILED REQUIREMENTS**5.1 Development Plan for Technical Manuals.**

5.1.1 Technical Manual Publication Plan (TMPP). When specified on the CDRL, a TMPP shall be prepared (see 6.2). The plan shall specify the extent of the technical manual coverage required for the applicable acquisition phase (see standard milestone events within the plan). Air Force TMCR TM-86-01 shall be used to identify applicable technical manual requirements. The contents of the plan are flexible, and the extent of coverage required may be adjusted dependent upon the size or complexity of the program.

5.1.2 Technical Manual Schedules and Status Report. When specified on the CDRL, a schedule and status report shall be prepared and maintained (see 6.2), and shall provide sufficient information for complete tracking through the life of the technical manual development/maintenance contract.

5.2 Procedural Support Data. When specified on the CDRL, a procedural support data package shall be prepared (see 6.2). A procedural support data package should be considered when such information is required to accomplish certain tasks such as rendering safe, maintenance, protective handling, etc., during the development effort.

5.3 Contractor Furnished Aeronautical Equipment/Contractor Furnished Equipment (CFAE/CFE) Notices. When specified on the CDRL, CFAE/CFE Notices and revisions of these notices shall be prepared (see 6.2).

5.4 Validation. The contractor shall review, inspect and validate technical manuals. The contractor shall furnish a record thereof when specified on the CDRL.

5.4.1 Technical Manual Validation Plan. When specified on the CDRL, a validation plan shall be developed (see 6.2) which may become a part of the TMPP.

5.4.2 Validation Completion Report, Technical Manuals. When specified on the CDRL, a validation completion report shall be prepared (see 6.2) for each manual or Time Compliance Technical Order (TCTO) upon completion of the validation effort. A validation completion report shall be prepared for each change to an existing manual with the scope limited to the new data included therein. A validation completion report shall be prepared for each Work Package (WP) of a WP formatted manual. Upon completion of an entire WP formatted manual, a final

MIL-STD-1790B(USAF)

validation completion report covering the complete manual shall be prepared.

5.5 Technical Manual Quality Assurance (TMQA) Program Plan.

When specified on the CDRL, a TMQA program plan shall be prepared (see 6.2). The plan shall describe the scope and approach of the TMQA program.

5.6 Explosive Ordnance Disposal Procedures. When specified on the CDRL, source data for explosive ordnance disposal procedures shall be prepared (see 6.2).

5.7 Technical Manual Data Research and Analysis Source Data.

When specified on the CDRL, research and analysis source data shall be prepared (see 6.2).

MIL-STD-1790B(USAF)

6. NOTES

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

6.1 Intended use.

6.1.1 Technical Manual Publication Plan (TMPP). The TMPP is intended to describe the general procedures, terms and conditions governing the planning, selection preparation and delivery of technical manuals being acquired.

6.1.2 Technical Manual Schedules and Status Report. The technical manual schedules and status report is intended to provide information concerning the schedule and status of the technical manuals being acquired.

6.1.3 Procedural Support Data. Procedural support data is intended to be used for installation, testing, training, limited operation, maintenance and related functions pertaining to use of equipment during exploratory and/or advanced development programs.

6.1.4 CFAE/CFE Notices. Notices are intended to be used to effect immediate acquisition action of required data to insure that manuals will be available when the components and support equipment of a system or end article are placed into Government service. Notices are also used to request manual numbers for procured new manuals as well as commercial manuals.

6.1.5 Technical Manual Validation Plan. The technical manual validation plan is intended to be used to show the planned schedule and method for contractor validation of technical manuals.

6.1.6 Validation Completion Report, Technical Manuals. The validation completion report is intended to be used to obtain documentation to ensure that all operating and maintenance procedures are validated by actual performance or simulation.

6.1.7 Technical Manual Quality Assurance Program Plan. This plan is intended to be used to show the contractor's method and approach for quality assurance of technical manuals.

6.1.8 Explosive Ordnance Disposal Procedures. This source data is intended to be delivered to the Naval Explosive Ordnance

MIL-STD-1790B(USAF)

Disposal Technology Center (NAVEODTEHCEN) to allow production, validation, verification, publication and distribution to Explosive Ordnance Disposal activities.

6.1.9 Technical Manual Data Research and Analysis Source Data. This source data is intended to be used to accomplish required technical manual changes by Government publications personnel or contractor technical writing concerns. This DID is used in conjunction with TMCR TM-86-01 to provide source data for technical manual changes.

6.2 Data requirements. The following Data Item Descriptions (DID) must be listed, as applicable, on the Contract Data Requirements List (DD Form 1423) when this standard is applied on a contract, in order to obtain the data, except where DOD FAR Supplement 27.475-1 exempts the requirement for a DD Form 1423.

<u>Reference Paragraph</u>	<u>DID Number</u>	<u>DID Title</u>	<u>Suggested Tailoring</u>
5.1.1	DI-TMSS-80063	Technical Manual Publication Plan	N/A
5.1.2	DI-TMSS-80064	Technical Manual Schedule and Status Report	N/A
5.2	DI-TMSS-80065	Procedural Support Data	N/A
5.3	DI-TMSS-80067	CFAE/CFE Notices	N/A
5.4.1	DI-TMSS-80069	Technical Manual Validation Plan	N/A
5.4.2	DI-TMSS-80070	Validation Completion Report, Technical Manuals	N/A
5.5	DI-M-2194	Technical Manual Quality Assurance Program Plan	N/A
5.6	DI-M-3403	Explosive Ordnance Disposal Procedures	N/A

MIL-STD-1790B(USAF)

<u>Reference Paragraph</u>	<u>DID Number</u>	<u>DID Title</u>	<u>Suggested Tailoring</u>
5.7	DI-M-6158	Technical Manual Data Research and Analysis Source Data	N/A

The above DIDs were those cleared as of the date of this standard. 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 DIDs are cited on the DD Form 1423.

6.3 Subject term (key word) listing.

Technical Manual
Technical Manual Contract Requirements
TM-86-01

6.4 Changes from previous issue. The margins of this standard are marked with vertical lines to indicate where changes, (additions, modifications, corrections, deletions) from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodian:
Air Force - 16

Preparing Activity:
Air Force - 16

Review Activities:
Air Force - 10, 90, 99

(Project TMSS - F548)

User Activity:
Air Force - 11, 13, 14, 15, 18, 19,
70, 71, 79, 80, 82, 84

INSTRUCTIONS: In a continuing effort to make our standardization documents better, the DoD provides this form for use in submitting comments and suggestions for improvements. All users of military standardization documents are invited to provide suggestions. This form may be detached, folded along the lines indicated, taped along the loose edge (**DO NOT STAPLE**), and mailed. In block 5, be as specific as possible about particular problem areas such as wording which required interpretation, was too rigid, restrictive, loose, ambiguous, or was incompatible, and give proposed wording changes which would alleviate the problems. Enter in block 6 any remarks not related to a specific paragraph of the document. If block 7 is filled out, an acknowledgement will be mailed to you within 30 days to let you know that your comments were received and are being considered.

NOTE: This form may not be used to request copies of documents, nor to request waivers, deviations, or clarification of specification requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

(Fold along this line)

(Fold along this line)

DEPARTMENT OF THE AIR FORCE



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

BUSINESS REPLY MAIL

FIRST CLASS PERMIT NO. 73238 WASHINGTON D. C.

POSTAGE WILL BE PAID BY THE DEPARTMENT OF THE AIR FORCE

HQ AFLC/ENCS
WRIGHT-PATTERSON AFB, OH 45433-5001



STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE	1. DOCUMENT NUMBER	2. DOCUMENT DATE (YYMMDD)
	MIL-STD-1790B(USAF)	91/04/10

3. DOCUMENT TITLE

Data Requirements Associated with Technical Manual Acquisition and Maintenance

4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)

5. REASON FOR RECOMMENDATION

SUBMITTER'S NAME (Print Name)		ORGANIZATION	
ADDRESS (Include Zip Code)		TELEPHONE (Include Area Code)	DATE SUBMITTED (YYMMDD)
		(1) Commercial	
		(2) AUTOVON	
		(If applicable)	

8. PREPARING ACTIVITY

a. NAME	b. TELEPHONE (Include Area Code)	(2) AUTOVON
HQ AFLC/ENCS	(1) Commercial	
	513-257-8564	787-8564
c. ADDRESS (Include Zip Code)	IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:	
WRIGHT-PATTERSON AFB, OH 45433-5001	Defense Quality and Standardization Office	
	5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466	
	Telephone (703) 756-2340 AUTOVON 289-2340	