

NOT MEASUREMENT
SENSITIVE

MIL-M-63045A(TM)

15 November 1989

SUPERSEDING

MIL-M-63045(TM)

20 January 1983

MILITARY SPECIFICATION
MANUALS, TECHNICAL:
PREPARATION OF DEPOT MANUALS FOR
DEPOT TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT

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 contains the requirements for the preparation of depot manuals (DMs) covering operation, maintenance, and calibration procedures for depot test, measurement and diagnostic equipment (TMDE), ie., that equipment which is used for diagnostic and acceptance testing of field equipment items returned to the depot for reconditioning operations.

1.2 Examples/figures. The figures used in this document are examples only. The text of this document takes precedence over examples.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, USAMC Materiel Readiness Support Activity, ATTN: AMXMD-MP, Lexington, KY 40511-5101, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC A4848

AREA TMSS

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

MIL-M-63045A(TM)**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 document to the extent specified herein. Unless otherwise specified, the issues of these documents are 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**MILITARY**

MIL-M-38784	Manuals, Technical:	General Style and Format Requirements
MIL-M-38793	Manuals, Technical:	Calibration Procedures, Preparation of
MIL-M-63048	Manuals, Technical:	Preparation of Equipment Publications on Microfiche
MIL-M-85337	Manuals, Technical:	Quality Assurance Program, Requirements For

STANDARDS

MIL-STD-129	Marking for Shipment and Storage
MIL-STD-335	Manuals, Technical: Repair Parts and Special Tools List
DOD-STD-100	Engineering Drawing Practices

(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Military Specifications and Standards, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

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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.

AR 380-49 Industrial Security

TM 39-1-1 Joint Nuclear Weapons Publication Systems Operating Procedures, Specifications, and Standards

(Copies of AR 380-49 are available from the U.S. Army Publications Distribution Center, 2800 Eastern Blvd, Baltimore, MD 21220-2896. Copies of TM 39-1-1 are available from the U.S. Army Publications Distribution Center, ATTN: ASQZ-SDC, 1655 Woodson Road, St. Louis, MO 63112-6181.)

2.2. **Non-Government publications.** The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issue of the documents that are DoD adopted are those listed in the issue of the DODISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS are issues of the documents cited in the solicitation (see 6.2).

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM D3951 (DoD adopted) - Packaging, Commercial

(DOD activities can obtain copies of ASTM D3951 from the Military Specifications and Standards, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094. Other Government activities, contractors and other private concerns must procure copies from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.)

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.

3. REQUIREMENTS

3.1 **General.** Existing support data including engineering data and commercial off-the-shelf manuals (see 6.4.1), shall be reviewed to determine what can be used, as is, to satisfy the depot maintenance requirements. Usable documentation shall be incorporated, or incorporated by reference, into the depot manual (DM).

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3.2 **Classification markings.** Security classification markings shall be in accordance with AR 380-49.

3.3 **Nuclear weapons.** Depot manuals which deal with support equipment for nuclear weapons shall be prepared in accordance with TM 39-1-1.

3.4 **Microfiche.** When specified by the contracting activity, DMs shall be prepared on microfiche in accordance with MIL-M-63048.

3.5 **Readability.** Readability of information provided in the depot manual shall be directed to the least experienced personnel expected to use it. The reading grade level shall be as specified by the contracting activity.

3.6 **Illustrations.** Unless otherwise specified by the contracting activity, illustrations shall be line drawings in accordance with MIL-M-38784. When approved by the contracting activity, engineering drawings may be used. Maximum use shall be made of engineering source data; however, drawings shall conform to DOD-STD-100.

3.7 **Warnings, cautions, and notes.** Warnings, cautions, and notes shall be in accordance with MIL-M-38784.

3.8 **References.** References to other documents and to data therein shall be in accordance with MIL-M-38784.

3.9 **Authentication.** An authentication page provided by the contracting activity shall follow the last numbered page in the DM, preceding the DA Forms 2028-2.

3.10 **Order of presentation.** The material shall be presented logically in terms of the functions to be performed. Unless otherwise specified by the contracting activity, the following order shall be followed:

- Front matter
- Chapter 1 - Introduction
- Chapter 2 - Functional Analysis
- Chapter 3 - Operating Procedures
- Chapter 4 - Maintenance Requirements
- Chapter 5 - Calibration
- Appendixes
- Glossary
- Index

MIL-M-63045A(TM)**3.11 Front matter.**

3.11.1 **Cover/title/title block page.** Layout shall conform to the arrangement shown in figures 1 and 2. The title data shall identify the equipment covered in the manual. When specified by the contracting activity, the cover shall contain a line drawing of the equipment. The publication number shall be as specified by the contracting activity.

3.11.1.1 **Distribution statement, destruction and export warning notices.** Distribution statement, destruction and export warning notices shall be placed on the front cover and title or title block page for each DM in accordance with MIL-M-38784.

3.11.1.2 **Supersession notice.** When the depot manual supersedes other manuals or portions of manuals, a supersession notice, as furnished by the contracting activity, shall be placed as follows:

a. The statement "SUPERSEDES COPY DATED (date)" shall be placed on the DM cover immediately below the DM number.

b. The complete supersession notice, in accordance with MIL-M-38784, shall be placed on the title/title block page. (See figure 2.)

3.11.1.3 **Reporting errors and recommending improvements.** A "reporting errors and recommending improvements" statement (boxed-in) shall appear below the title data on the title block page as shown on figure 2. The address of the responsible proponent shall be inserted in this box.

a. **Unclassified DMs.** Except for classified DMs, the following statement shall be used:

"REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: (address of proponent). A reply will be furnished to you."

One filled-out copy of DA Form 2028-2 (see figure 3) and three blank DA Forms 2028-2 shall be included at the back of every DM. The three blank copies shall be perforated, tear-out forms preprinted with the applicable DM number, date, and title. The proponent's address shall be printed on the reverse side.

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b. **Classified DMs**. For classified DMs, the following statement shall be used:

"REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, write or tell us about it. Address your correspondence to (insert address of the proponent). When dealing with classified information, make sure that your correspondence is properly marked and is handled in accordance with AR 380-5."

3.11.2 **Warning page and table of contents**. The warning page and the table of contents shall conform to MIL-M-38784.

3.12 **Chapter 1 - Introduction**.

3.12.1 **Section I - Scope**. This section shall contain, as a minimum, the following statement:

"These instructions are for use by depot/contractor personnel. They apply to the (insert name of equipment) and in case of conflict, take precedence over all other documents pertinent to its maintenance and repair."

3.12.2 **Section II - Description and data**. This section shall contain the the following paragraphs.

3.12.2.1 **Description**. This paragraph shall provide a brief general description indicating the purpose, use, capabilities, and features of the test equipment.

3.12.2.2 **Performance data**. This paragraph shall list, illustrate, and indicate location of all essential performance data for the equipment. It shall include, as applicable, tabular lists of:

a. Functional characteristics, such as power requirements, sensitivity, and selectivity.

b. Rated output, such as wattages, voltages, horsepower and gallons per minute.

c. Environmental characteristics, such as ambient temperature, humidity limits, ventilation and air conditioning requirements.

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3.12.2.3 **Configuration data.** All models and modifications authorized for the test measurement or diagnostic equipment shall be listed. Differences between configurations, models, serial or part number groups, and individual items of equipment, including affected model, part, or serial numbers, shall be described. For equipment with modifications or minor model differences, the major parts affected shall be briefly described and the number groups, or registration numbers, and model numbers shall be included.

3.12.2.4 **Equipment, accessories, and publications required.** As applicable, all associated equipment and publications shall be listed, in tabular format, to include:

a. Equipment and accessories (special tools, miscellaneous parts) which form a part of, or are supplied with, the test equipment.

b. All equipment and publications required, but not supplied.

c. Consumable/expendable items and the procedures in which these items are used.

3.13 **Chapter 2 - Functional Analysis.** The structure and organization of this chapter shall parallel the section on troubleshooting (3.15.4). The functional analysis shall present an overall operational sequence of the equipment and show the functional relationship between major components or units. Functional diagrams shall be used as the primary means of communication for this chapter; the text shall be used only to support the diagrams as necessary for clarity. Functional diagrams shall depict the development of each equipment function from input to output, and shall show interconnection of the units. Signal levels, direction of flow, wave forms, etc, shall be included as applicable. See figure 4 for an example of an acceptable functional block diagram.

3.14 **Chapter 3 - Operating Procedures.**

3.14.1 **Section I-Setup instructions.** Necessary site selection, unpackaging, assembly, installation instructions, and special tools and requirements for installation inspection and pre-energizing procedures shall be provided in this section. Instructions shall also be given for establishing normal, neutral, zero, center, on-off, or any required positions of each switch, control, or similar item before connecting to power when the equipment is in shutdown status.

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3.14.2 **Section II - Controls and indicators.** This information shall be confined to that which is needed by the operator to properly identify, determine the function and use of, connect, operate, and protect the equipment being used. Controls and indicators shall be supported by illustrations which identify and locate all operator controls and indicators.

3.14.3 **Section III - Turn-on and turn-off procedures.** This section shall contain instructions to place the equipment in operation, to operate the equipment in each mode of operation for which it was intended, to remove the equipment from operation and put it in standby condition, and to remove it from operation and put it in shutdown status. Instructions shall be provided for turning the equipment off during an emergency (fire, hazard to personnel, loss of coolant, normal power, etc), as applicable.

3.15 **Chapter 4 - Maintenance Requirements**

3.15.1 **Section I - Facilities, Equipment, and Material Standards.**

3.15.1.1 **Facilities.** The facilities required for maintenance of the test equipment, including special factors such as environment, shall be listed.

3.15.1.2 **Special tools and equipment.** This portion shall contain the detailed description, instructions, and illustrations for special tools and equipment which are necessary to perform maintenance on the test equipment, including any which must be locally fabricated. Specific dimensions and tolerances shall be supplied for tools and fixtures.

3.15.1.3 **Material standards.** Unless otherwise specified by the contracting activity, this portion shall state that parts and material used for replacement, repair, or modification shall meet all applicable equipment drawings and specifications.

3.15.2 **Section II - Preventive maintenance.** This section shall contain a tabular listing of all periodic checks, services, and safety precautions, including intervals, necessary to maintain the test equipment in an operable state. References to applicable equipment lubrication orders (LO) shall be made; however, if no applicable LOs are published, lubrication instructions shall be included in this section, in tabular format, with illustrated locations of lubrication points.

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3.15.3 **Section III - Preoperational specifications and self-test procedure.** This section shall include information as to required preoperational specifications applicable to checks and procedures done on the test equipment before actual testing is performed on the unit under test (UUT). If applicable, instructions on any adapter required for UUT procedures shall be included. Instruction shall be provided in this section for testing the performance of the test equipment in the event of failure of the UUT. Any necessary diagrams shall be included in this section.

3.15.4 **Section IV - Troubleshooting.** This section shall provide troubleshooting procedures should the test equipment fail to satisfy the requirements of the self-test procedure. An explanation as to how end item and major components function, and how these components interface with the rest of the equipment, shall be provided for the depot technician. Only essential information which the technician must know to troubleshoot the test equipment properly shall be provided. When specified by the contracting activity, functional block diagrams, test layouts, or schematics referred to and placed in appendix C (see 3.19) shall be used to illustrate the interface between the test equipment and the unit or assembly equipment UUT testing loop (see figure 4).

3.15.5 **Section V - Maintenance.**

3.15.5.1 **Disassembly.** This section shall contain all necessary disassembly procedures, in logical disassembly sequence, with illustrations. A statement to the effect that the extent of disassembly will be based on the need for troubleshooting, repair, or inspection (riveted, soldered, and welded parts are not normally mentioned in disassembly) shall be included. When approved by the contracting activity, engineering drawings shall be referenced for disassembly procedures.

3.15.5.2 **Repair, replace, and adjust.** All essential instructions and specifications for repair, replacement, or adjustment shall be provided in the sequence by which they are performed. Test equipment setup and other illustrations necessary to support the procedures, with a list of all mandatory replacement parts, shall be provided.

3.15.5.3 **Assembly.** Step-by-step instructions for assembly shall be provided, including in-process and final inspection requirements if applicable. When specified by the contracting activity, the instructions shall be supported by illustrations and a checklist. When approved by the contracting activity, engineering drawings shall be referenced for assembly procedures.

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3.16 **Chapter 5 - Calibration.** When previously developed calibration procedures are available, the publications containing the procedures shall be referenced. If no calibration procedures have been developed, they shall be prepared according to the general technical requirements of MIL-M-38793 and the standard format provided by the contracting activity. The calibration procedures developed shall appear in this chapter. When specified by the contracting activity, engineering source data shall be used verbatim.

3.17 **Appendix A - Reference.** This appendix shall consist of a consolidated listing of all reference material (eg, documents, forms, drawings, etc) in the text and/or necessary for maintenance of the test equipment, to include commercial drawings and references. The documents shall be listed alphabetically or numerically under each type heading (eg, technical manual, military specification, etc).

3.18 **Appendix B - List of Parts.** This appendix shall include all necessary peculiar maintenance items and parts not identified in another equipment publication used at the depot level for the TMDE addressed in the DM. Nomenclature, description, manufacturer's part number, Commercial and Government Entity Code (CAGEC), and quantity shall be listed. When specified by the contracting activity, parts lists on engineering drawings shall be referenced. The parts listing shall be prepared in the format prescribed by MIL-STD-335.

3.19 **Appendix C - Unit Under Test (UUT) Procedures and Test Setup Diagrams.** This appendix shall contain contracting activity approved test procedures for UUT using the test equipment. Unless otherwise specified by the contracting activity, these UUT procedures shall not duplicate procedures in other publications, nor those provided elsewhere in the DM. The appendix shall contain a list of all UUTs, or reference a publication containing such a list.

3.20 **Other appendixes.** Additional appendixes shall be provided, as appropriate.

3.21 **Glossary and index.** A glossary and an index shall be in accordance with MIL-M-38784.

MIL-M-63045A(TM)**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 this specification where such inspections are deemed necessary to ensure supplies and services conform to prescribed requirements.

4.1.1 **Responsibility for compliance.** All items shall meet all requirements of sections 3 and 5. 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 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 accept defective material.

4.2 **Quality assurance provisions.** Quality assurance in the preparation of depot manuals shall be the responsibility of the contractor and shall be implemented in accordance with MIL-M-85337 to the extent specified by the contracting activity.

5. PACKAGING

5.1 **Packaging requirements.** Unless otherwise specified by the contracting activity, the packaging and packing of the depot manuals shall conform to ASTM D3951.

5.2 **Marking.** Packs shall be marked in accordance with MIL-STD-129 and ASTM D3951, as applicable, and shall include the appropriate depot manual number and publication date.

5.3 **Classified material.** All classified material shall be safeguarded, packaged, and marked in accordance with AR 380-49.

MIL-M-63045A(TM)**6. NOTES**

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

6.1 **Intended use.** Depot manuals prepared in accordance with this document will be used by Government contractors and depot personnel for operation, maintenance, and calibration of depot test measurement and diagnostic equipment.

6.2 **Acquisition requirements.** Acquisition documents must specify the following:

- a. Title, number, and date of this specification.
- 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. Configuration of equipment to be covered.
- d. Reading grade level for DM (see 3.5).
- e. Authentication page for DM (see 3.9).
- f. Title and publication number of the DM to be published (see 3.11.1).
- g. Supersession notice (if applicable) (see 3.11.1.2).
- h. Format for calibration procedures (see 3.16).
- i. Specification tailoring by selection of optional requirements on the content/format selection summary (see appendix).

6.3 **Technical manual acquisition.** This specification must be listed on the Contract Data Requirements List (DD Form 1423) in order to acquire the technical manuals described by this specification, except where DOD FAR Supplement 27.475-1 exempts the requirement for a DD Form 1423.

6.4 Definitions.

6.4.1. **Commercial off-the-shelf manuals.** Manuals available off-the-shelf from a commercial source which include operation, maintenance, and other instructions for commercial equipment. Commercial manuals are prepared to support the equipment in the commercial market.

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6.5 **Subject term (key word) listing.**

Calibration
Depot manual
Functional analysis
Troubleshooting
Unit under test

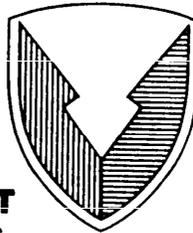
6.6 **Changes from previous issue.** Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

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DM 9-XXXX-XXX-XX
SUPERSEDES COPY DATED 5 MAY 1980

**DEPOT MANUAL
FOR
TEST EQUIPMENT TE41042-1/TE41044-1
USED FOR TESTING
M60A3 TRAVERSE AND ELEVATION
STABILIZER VALVE ASSEMBLIES
AND
M1/M1A1 TRAVERSE AND ELEVATION
SERVOMECHANISM**

**US ARMY
ARMAMENT
MUNITIONS
CHEMICAL COMMAND**



DISTRIBUTION STATEMENT C. Distribution authorized to U.S. Government agencies and their contractors. This publication is required for administration and operational purposes, as determined 23 March 1987. Other requests for this document shall be referred to Commander, U.S. Army Armament, Munitions, and Chemical Command, ATTN: AMSMC-MAS, Rock Island, IL 61299-6000.

DESTRUCTION NOTICE - For unclassified, limited documents, destroy by any method that will prevent disclosure of contents or reconstruction of the document.

**U.S. Army ARMAMENT, MUNITIONS
AND CHEMICAL COMMAND
ROCK ISLAND, ILLINOIS 61299-6000**

JUNE 1987

FIGURE 1. Example of a depot manual front cover.

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DM X-XXXX-XXX
 U.S. ARMY ARMAMENT,
 MUNITIONS AND CHEMICAL
 COMMAND
 ROCK ISLAND, IL 61299-6000
 12 JULY 1988

**DEPOT MANUAL
 FOR
 INTERFACE CONNECTION DEVICES
 FOR ROCKET MANAGEMENT SUBSYSTEM XXXXXX
 AND TEST SET XXXX**

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, U.S. Army Armament, Munitions and Chemical Command, ATTN: AMSMC-MAS, Rock Island, IL 61299-6000. A reply will be furnished to you.

This manual supersedes DM X-XXXX-XXX dated 31 August 1977, which shall be destroyed in accordance with applicable security regulations.

DISTRIBUTION STATEMENT C: Distribution authorized to U.S. Government agencies and their contractors. This publication is required for administration and operational purposes, as determined 2 February 1987. Other requests for this document shall be referred to Commander, U.S. Army Armament, Munitions and Chemical Command, ATTN: AMSMC-MAS, Rock Island, IL 61299-6000.

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FIGURE 2. Example of a depot manual title/title block page.

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RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS			
 <p>THEN JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL.</p>		SOMETHING WRONG WITH THIS PUBLICATION?	
		FROM (PRINT YOUR UNIT'S COMPLETE ADDRESS) CDR, 1st Bn, 65th ADA ATTN: SP4 John Doe Key West, FL 33040	
PUBLICATION NUMBER DM X XXXX XXX		PUBLICATION DATE 7 OCT 89	PUBLICATION TITLE Unit of Radar Set AN/MPQ-50 Tested at the HFC
DATE SENT 14 January 1979			
BE EXACT PIN-POINT WHERE IT IS			
PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO
9-19		9-5	
21-2	step 1C		21-2
IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:			
<p>"B" Ready Relay K11 is shown with two #9 contacts. That contact which is wired to pin 8 of relay K16 should be changed to contact #10.</p> <p>Reads: Multimeter B indicates 600 K ohms to 9000 K ohms.</p> <p>Change to read: Multimeter B indicates 600 K ohms minimum.</p> <p>Reason: Circuit being checked could measure infinity. Multimeter can read above 9000 K ohms and still be correct.</p>			
PRINTED NAME GRADE OR TITLE AND TELEPHONE NUMBER			SIGN HERE
SP4 John Doe, Autovon 222-222			
DA FORM 2028-2 1 JUL 79		PREVIOUS EDITIONS ARE OBSOLETE.	PS--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS

FIGURE 3. Example of a filled-out DA Form 2028-2.

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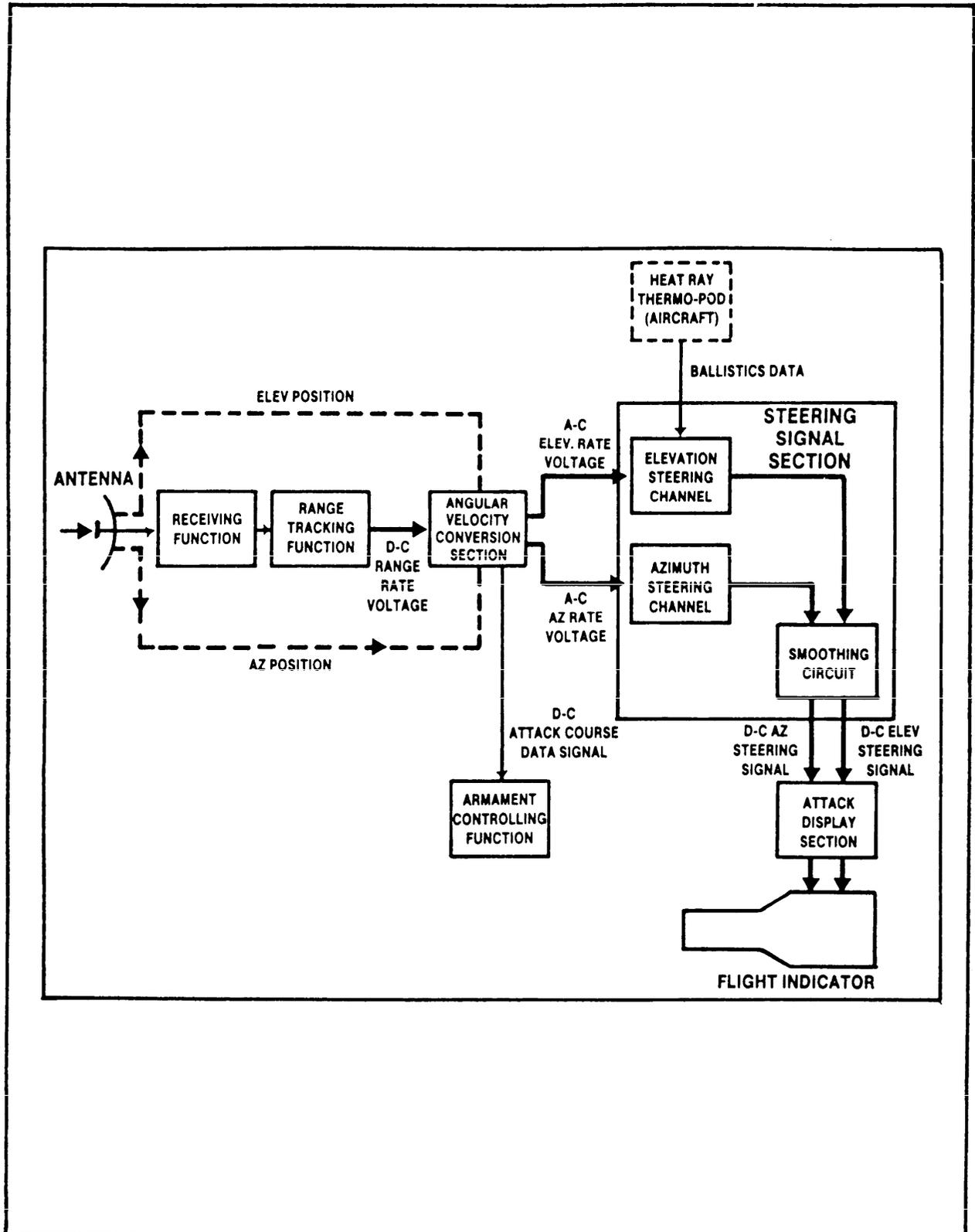


FIGURE 4. Example of a functional block diagram.

MIL-M-63045A(TM)**APPENDIX****CONTENT/FORMAT SELECTION SUMMARY****10. SCOPE**

10.1 **Scope.** This appendix facilitates the tailoring of the requirements for depot manual acquisition/preparation contained in the body of this specification. This appendix is a mandatory part of the specification. The information contained herein is intended for compliance.

10.2 **Intended use.** The contracting activity tailors the requirements of this specification by executing a copy of the Content/Format Selection Summary contained herein. Each separate DM acquisition requires that the requirements contained in the basic specification be tailored by entering a "YES" or "NO" on the Content/Format Selection Summary Sheet opposite each requirements paragraph. The properly executed Content/Format Selection Summary Sheet becomes contractually binding when it's made part of a contract, statement of work, or any other contractual document. The Content/Format selection Summary Sheet portion of this appendix may be locally reproduced

20. **APPLICABLE DOCUMENTS.** This section is not applicable to this Appendix.

30. **REQUIREMENTS.** Content/Format Selection Summary Sheet for MIL-M-63045A(TM).

ITEM	PARA REF	CONTENT/ FORMAT/ OPTION	SELECTED CONTENT/FORMAT OPTION OR REMARKS
DM Preparation Medium	3.4	hard copy microfiche	
Drawings/Illus- trations	3.6	Line drawings Engineering drawings Halftones	
Cover/Title/ Title block page	3.11.1	Line drawing of the equipment on cover No drawing on cover	

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APPENDIX

ITEM	PARA REF	CONTENT/ FORMAT/ OPTION	SELECTED CONTENT/FORMAT OPTIONS OR REMARKS
Material Standards	3.15.1.3	State parts and materials used meet stds	No statement of specs/stds being met
Troubleshooting Diagrams	3.15.4	Functional diagrams Test layouts Schematics (app C)	
Disassembly Section	3.15.5.1	Engineering drawings referenced	
Assembly Section	3.15.5.3	Contain illustrations and checklists Engineering drawings referenced	
Calibration	3.16	Engineering source used verbatim	
Appendix B - List of Parts	3.18	Ref parts lists on engr drawings	
UUT Procedures	3.19	Duplicate procedures in other docs Duplicate procedures elsewhere in DM	

NOTE: The above selected requirements tailoring options apply to the acquisition/preparation of _____
(enter number and title of depot manual being prepared)

(Signature and title of contracting activity representative)

(date)

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Custodian:
Army - TM

Preparing activity:
Army - TM

Review activities:
Army - MI, AV, AL, AT

(Project TMSS-A240)

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 ARMY



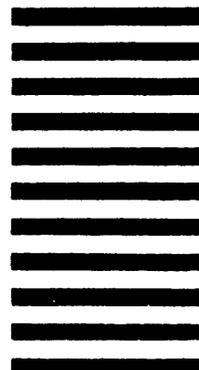
NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

BUSINESS REPLY MAIL
FIRST CLASS PERMIT NO. 12062 WASHINGTON D. C.

POSTAGE WILL BE PAID BY THE DEPARTMENT OF THE ARMY

Commander
USAMC Materiel Readiness Support Activity
ATTN: AMXMD-MP
Lexington, KY 40511-5101



STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions - Reverse Side)

1. DOCUMENT NUMBER MIL-M-63045A(TM)	2. DOCUMENT TITLE Preparation of Depot Manuals for Depot Test, Measurement and Diagnostic Equipment
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3a. NAME OF SUBMITTING ORGANIZATION

4. TYPE OF ORGANIZATION *(Mark one)* VENDOR USER MANUFACTURER OTHER *(Specify):* _____b. ADDRESS *(Street, City, State, ZIP Code)*

5. PROBLEM AREAS

a. Paragraph Number and Wording:

b. Recommended Wording:

c. Reason/Rationale for Recommendation:

6. REMARKS

7a. NAME OF SUBMITTER *(Last, First, MI) - Optional*b. WORK TELEPHONE NUMBER *(Include Area Code) - Optional*c. MAILING ADDRESS *(Street, City, State, ZIP Code) - Optional*8. DATE OF SUBMISSION *(YYMMDD)*DD FORM 1426
82 MAR

PREVIOUS EDITION IS OBSOLETE.

(TO DETACH THIS FORM, CUT ALONG THIS LINE.)