

NOTICE OF
CHANGE

NOT MEASUREMENT
SENSITIVE

MIL-HDBK-1221
NOTICE 1
30 September 1999

**DEPARTMENT OF DEFENSE
HANDBOOK
FOR
EVALUATION OF
COMMERCIAL OFF-THE-SHELF
(COTS)
MANUALS**

TO ALL HOLDERS OF MIL-HDBK-1221:

1. THE FOLLOWING PAGES OF MIL-HDBK-1221 HAVE BEEN REVISED AND SUPERSEDE THE PAGE LISTED:

| <u>NEW PAGE</u> | <u>DATE</u> | <u>SUPERSEDED PAGE</u> | <u>DATE</u> |
|-----------------|-------------|------------------------|-------------|
| i/ii blank | 30 Sep 99 | i/ii blank | 28 Aug 95 |
| iii - vi | 30 Sep 99 | New pages | |
| 9-10 | 30 Sep 99 | 9-10 | 28 Aug 95 |
| 37/38 blank | 30 Sep 99 | 37/38 blank | 28 Aug 95 |

2. CHANGES ARE INDICATED WITH VERTICAL BARS.

3. RETAIN THIS NOTICE AND INSERT BEFORE TABLE OF CONTENTS.

4. Holders of MIL-HDBK-1221 will verify that page changes and additions indicated above have been entered. This notice page will be retained as a check sheet. This issuance, together with appended pages, is a separate publication. Each notice is to be retained by stocking points until the handbook is completely revised or canceled.

Custodians:

Army - TM
Navy - OS
Air Force - 16
DLA - CC

Preparing Activity:

Army - TM

Review Activities:

Army - AR, AL, AT, AV, CR, ME

MI, CU

Navy - AS, EC, MC, OM, SA, SH, TD

Air Force - 01, 10

DLA - GS, CT

Project number:

TMSS O326

User Activities:

Army - MD

Navy - CG

Air Force - 11, 13, 19, 70, 71, 80, 82, 84

AMSC N/A

AREA TMSS

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FOREWORD

1. This military handbook is approved for use by all Departments and Agencies of the Department of Defense.
2. This handbook is for guidance only. This handbook cannot be cited as a requirement. If it is, the contractor does not have to comply.
3. Beneficial comments (recommendations, additions, deletions) and any pertinent data that may be used in improving this document should be addressed to: USAMC Logistics Support Activity, ATTN: AMXLS-AP, Redstone Arsenal, AL 35898-7466, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter. Comments may be given using FAX number: 205-955-9850 (DSN 645), or E-Mail address: cheryl.casey@logsa.army.mil. §

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Example:

| Figure and Index No. | Part No. | Part Name (Nomenclature or Description) |
|----------------------|------------|---|
| 2-4 | Commercial | NUT, Hex head, plain steel, 1/4-20 UNC-3B |
| 2-5 | Commercial | WIRE, Electrical, copper, tin plated, No. 14 AWG, 19 strand of No. 27 AWG, 0.250 in. dia. |

4.2.11 **Operational and maintenance illustrations.** Manuals should contain illustrations (line drawings, photographs or halftones) for locating and identifying all components significant to operation and maintenance and to show configuration and parts relationship for removal and disassembly procedures. Photographs (prescreened) should be detailed and sharp, free of heavy shadows, distorted objects, and cluttered foregrounds or backgrounds, and should give good contrast from white, middle tones, and black. Freehand sketches should not be acceptable.

4.2.11.1 **Diagrams.** As applicable, the following diagrams should be included in the manual:

- a. Simplified functional block.
- b. Locator.
- c. Piping.
- d. Plumbing.
- e. Hydraulic.
- f. Schematic.
- g. Electrical.
- h. Logic.
- I. Other, as necessary.

4.2.11.2 **Symbols.** Symbols used on illustrations and diagrams should be standard or common to the trade or commodity. Where nonstandard symbols are used, explanations should be provided. §

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4.2.12 **Overhaul instructions.** When applicable, the manual should include overhaul instructions to return the equipment to mission-capable condition. As a minimum, the instructions should include the following:

- a. List of support equipment, special tools, and facilities required.
- b. List of mandatory parts.
- c. Preshop analysis, as applicable.
- d. Step-by-step procedures for performing all functions including disassembly, removing, replacing, diagnosing, installing, repairing, assembly, in-process testing, adjusting, and inspecting.
- e. Final tests to assure satisfactory performance of the equipment or system overhauled.

4.2.13 **Interactive Electronic Technical Manuals (IETM).** The common requirements for digital form IETM'S, designed for interactive display, can be found in MIL-M-87268, Manuals, Interactive Electronic Technical: General Content, Style, Format, and User-Interaction Requirements.

5. SUPPLEMENTAL DATA

5.1 **General.** If after evaluation, it is determined the manual requires supplemental data, the §
supplemental data should be prepared using the following guidance.

5.1.1 **Identifying Technical Publication Sheet.** The contracting activity may require the contractor to prepare an Identifying Technical Publication Sheet. An example is shown in Figure 1. The Identifying Technical Publication Sheet should be tailored to reflect only information applicable to the acquisition. MIL-M-38784 provides guidelines for the appropriate distribution statement, disclosure notice, destruction notice, and authority notice. Other pertinent data should be inserted by the contractor as provided by the Government.

5.1.2 **Style, format, and form.** Unless otherwise specified, general style and format of supplemental data should be in accordance with MIL-M-38784.

5.2 **Content/format selection summary.** The content of the supplemental data should be as specified on the Content/Format Selection Summary Sheet (Appendix C). The supplemental data should be presented in the following order:

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Army - TM
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Army - TM
Project TMSS 0306

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Army - AR, AL, AT, AV, CR, ME, MI, CU
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Air Force - 01, 10,
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User Activities:

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