

MIL-T-842F
15 July 1983
SUPERSEDING
MIL-T-842E
30 September 1968

MILITARY SPECIFICATION

TAG, IDENTIFICATION, PERSONNEL

This specification is approved for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 This document covers one type of metal identification tag used by personnel of the Armed Forces.

2. APPLICABLE DOCUMENTS

2.1 Government documents. Unless otherwise specified, the following documents of the issue in effect on date of invitation for bids or request for proposal, form a part of this document to the extent specified herein.

SPECIFICATIONS

FEDERAL

- | | | |
|-----------|---|---|
| QQ-S-766 | - | Steel Plates, Sheet and Strip-Corrosion Resisting |
| PPP-B-636 | - | Boxes, Shipping, Fiberboard |
| PPP-B-676 | - | Boxes, Set-up |

MILITARY

- | | | |
|-----------|---|--------------------------|
| MIL-P-116 | - | Preservation, Methods of |
|-----------|---|--------------------------|

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: US Army Natick Research and Development Laboratories, Natick, MA 01760 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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STANDARDS

MILITARY

- MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes
- MIL-STD-129 - Marking for Shipment and Storage

DRAWING

US ARMY NATICK RESEARCH AND DEVELOPMENT LABORATORIES

- 4-1-485 - Tag, Identification, Personnel

(Copies of documents required by manufacturers in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting officer.)

2.2 Other publications. Unless otherwise specified, the following documents of the issue in effect on date of invitation for bids or request for proposal, form a part of this document to the extent specified herein.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

- D 2951 - Standard Practice for Commercial Packaging
- E 18 - Rockwell Hardness and Rockwell Superficial Hardness of Metallic Materials
- E 92 - Vickers Hardness of Metallic Materials

(Application for copies should be addressed to American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.)

(Technical society and technical association documents are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies.)

2.3 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 shall take precedence.

3. REQUIREMENTS

3.1 First article. When specified, a sample shall be subjected to first article inspection (see 4.3, 6.2, and 6.3).

3.2 Materials (see 6.4) and components. Materials and components shall be as specified on the applicable drawing and as specified herein.

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3.2.1 Steel, corrosion-resisting. Corrosion-resisting steel shall conform to class 304, condition A, HR or CR of QQ-S-766.

3.3 Construction. The construction shall conform in all respects to the drawing listed in section 2 and as specified herein.

3.3.1 Flatness. Each finished tag shall be flat across the length and width and shall be capable of being passed through the hopper and slide feed gage if applicable.

3.3.2 Beads and radii. The bead around the hole, the edges of the tag and the radii of the corners shall be as shown on drawing 4-1-485. The bead shall be tight and smooth to the extent that there are no ridges, cracks, fins, burrs, slivers, nodules or other protrusions.

3.3.3 Hardness. When tested as specified in 4.4.4 and at any point on the flat more than 1/8 inch from the beaded edge, the finished tag shall have a maximum hardness of 179 on the Diamond Pyramid hardness scale or 88 on the Rockwell 15 T scale.

3.4 Finish. All identification tags shall have a natural finish.

3.5 Workmanship. Tags shall be clean, well made, and shall meet the acceptable quality levels established by this document. In addition, the tags shall be suitable for immediate wear, shall be free from oil, rough surfaces or irregularities which may scratch, cut, or otherwise cause discomfort to the wearer and shall be free from other defects which will affect appearance or serviceability.

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 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 document where such inspections are deemed necessary to assure supplies and services conform to the prescribed requirements.

4.2 Classification of inspection. The inspection requirements specified herein are classified as follows:

- a. First article inspection (see 4.3).
- b. Quality conformance inspection (see 4.4).

MIL-STD-883C

4.3 First article inspection. When a first article is required (see 6.2), it shall be examined for the defects specified in 4.4.2 and 4.4.3 and tested for the characteristics specified in 4.4.4. The presence of any defect or failure to pass any test shall be cause for rejection of the first article.

4.4 Quality conformance inspection. Unless otherwise specified, sampling for inspection shall be performed in accordance with MIL-STD-105.

4.4.1 Component and material inspection. In accordance with 4.1, components and materials shall be inspected in accordance with all the requirements of referenced documents unless otherwise excluded, amended, modified, or qualified in this document or applicable purchase document.

4.4.2 End item visual examination. The end item shall be examined for the defects listed below. The lot size shall be expressed in units of tags. The sample unit shall be one tag. The inspection level shall be II and the acceptable quality level (AQL), expressed in terms of defects per hundred units, shall be 1.5 for major defects and 4.0 for total (major and minor combined) defects.

Examine	Defect	Classification	
		Major	Minor
Design	Not in accordance with specified requirements	X	
Finish	Not natural		X
	Oily or dirty		X
	Pitted, porous, crystalline or open grained	X	
	Crack, seam, lap or other imperfections	X	
	Hole (other than specified)	X	
Construction and workmanship	Any rough surface or irregularity which may cause injury or discomfort to wearer	X	
	Surface is not smooth, malformed, bent, or otherwise damaged, preventing or effecting embossing or printing	X	
	Any defect which renders tags unsuitable for immediate personal wear		X
	Not made of specified material	X	
	Rounded edges and the rolled edge of the hole are not on the same side of tag	X	

4.4.3 End item dimensional examination. Prior to presentation of a lot for Government acceptance, the contractor shall check the bead thickness, length, width and flatness of each tag using gages made available by the Government (see 6.2).

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Only tags which have been checked for the aforementioned characteristics shall be offered in an inspection lot. Tags in the sample size shall be measured to determine compliance with all dimensional requirements specified. Any dimension not within the specified tolerance shall be classified as a defect. The lot size shall be expressed in units of tags. The sample unit shall be one tag. The inspection level shall be S-4 and the AQL, expressed in terms of defects per hundred units, shall be 1.0.

4.4.4 End item testing. The end item shall be tested in accordance with ASTM E 18 or ASTM E 92 as applicable for conformance to the hardness requirements specified in 3.3.3. The lot size shall be expressed in tags. The sample unit shall be one tag. Any test failure shall be classified as a defect. The inspection level shall be S-1 and the AQL, expressed in terms of defects per hundred units, shall be 6.5.

4.4.5 Packaging inspection. An examination shall be made to determine that preservation, packing, and marking comply with the section 5 requirements. Defects shall be scored in accordance with the list below. The sample unit shall be one shipping container fully packaged with the exception that it need not be closed. Examination of closure defects listed below shall be made on shipping containers fully packaged. The lot size shall be the number of containers in the inspection lot. The inspection level shall be S-2 and the AQL, expressed in terms of defects per hundred units, shall be 4.0.

<u>Examine</u>	<u>Defect</u>
Marking (exterior and interior)	Omitted; incorrect; illegible; of improper size, location, sequence, or method of application
Materials	Any component missing, damaged, or not as specified
Workmanship	Inadequate application of components, such as incomplete closure of container flaps, improper taping, loose strapping, inadequate stapling Bulged or distorted container
Content	Number of intermediate containers per box is more or less than required Number of tags per intermediate container is less than specified <u>1/</u>

1/ For this defect, examine one intermediate container from each shipping container in the sample.

5. PACKAGING

5.1 Preservation. Preservation shall be level A or Commercial, as specified (see 6.2).

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5.1.1 Level A.

5.1.1.1 Unit packing. Identification tags shall be preserved in accordance with Method III of MIL-P-116.

5.1.1.2 Intermediate packing. Two hundred identification tags shall be arranged on edge in two rows of 100 each and packed in a intermediate snug-fitting, set-up paperboard box conforming to type I, variety 1, class A, style 4 or type I, variety 1, class C, style 1 of PPP-B-676. A divider made of the same paperboard as the body of the box shall be positioned vertically between the rows. Box closure shall be in accordance with the appendix of the specification.

5.1.2 Commercial. Identification tags shall be preserved in accordance with MIL-STD-1188.

5.2 Packing. Packing shall be level A, B or Commercial, as specified (see 6.2).

5.2.1 Level A packing. Seven thousand tags, preserved as specified in 5.1, shall be packed in a snug-fitting fiberboard shipping container conforming to style RSC, V2s of PPP-B-636. Each shipping container shall be closed in accordance with method III, waterproofed in accordance with method V and reinforced as specified in the appendix of PPP-B-636, except that the inspection shall be in accordance with 4.4.5.

5.2.2 Level B packing. Seven thousand tags, preserved as specified in 5.1, shall be packed in a snug-fitting fiberboard shipping container conforming to style RSC, type CF, variety DW, or type SF, class domestic of PPP-B-636. Each shipping container shall be closed in accordance with method II of the appendix of PPP-B-636, except the inspection shall be in accordance with 4.4.5.

5.2.2.1 Weather-resistant fiberboard containers. When specified (see 6.2), the shipping container shall be a grade V3c, V3s, or V4s fiberboard box fabricated in accordance with PPP-B-636 and closed in accordance with method III as specified in the appendix of PPP-B-636, except that the inspection shall be in accordance with 4.4.5.

5.2.3 Commercial packing. Tags, preserved as specified in 5.1, shall be packed in accordance with MIL-STD-1188.

5.3 Marking. In addition to any special marking required by the contract or purchase order, intermediate packs and shipping containers shall be marked in accordance with MIL-STD-129 or MIL-STD-1188, as applicable.

6. NOTES

6.1 Intended use. Tags covered by this document are intended to be used by military personnel for identification purposes.

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6.2 Ordering data. Acquisition documents should specify the following:

- a. Title, number, and date of this document.
- b. When a first article is required (see 3.1, 4.3 and 6.3).
- c. Government guages referenced in paragraph 4.4.3 shall be specified by the contracting officer.
- d. Selection of applicable levels of preservation and packing (see 5.1 and 5.2).
- e. When weather-resistant grade fiberboard shipping containers are required for level B packing (see 5.2.2.1).

6.3 First article. When a first article is required, it shall be inspected and approved under the appropriate provisions of DAR 7-104.55. The first article should be a preproduction sample consisting of one complete tag. The contracting officer should include specific instructions in all acquisition documents regarding arrangements for inspection and approval of the first article.

6.4 Recycled material. It is encouraged that recycled material be used when practical as long as it meets the requirements of the document (see 3.2).

Custodians:

Army - GL
Navy - NU
Air Force - 99

Preparing activity:

Army - GL
Project No. 8465-0866

Review activities:

Army - MD
Air Force - 82
DLA - CT

User activities:

Navy - MC
Air Force - 45

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