

INCH-POUND  
MIL-P-15024E  
29 January 1993  
SUPERSEDING  
MIL-P-15024D  
10 MAY 1971

## MILITARY SPECIFICATION

### PLATES, TAGS, AND BANDS FOR IDENTIFICATION OF EQUIPMENT

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

#### 1 SCOPE

1.1 Scope. This specification covers the materials and physical characteristics of plates, tags and bands (identification devices) used for identification of equipment. Examples of information to be marked on the identification devices are covered in specification sheets to this specification.

#### 1.2 Classification Identification devices shall be classified as follows

|         |   |   |        |
|---------|---|---|--------|
| Type A  | Etched or chemically engraved             | } | Plates |
| Type B  | Engraved                                  |   |        |
| Type C  | Stamped                                   |   |        |
| Type D  | Cast                                      |   |        |
| Type E  | Screen or litho print                     |   |        |
| Type F  | Laminated plastic                         |   |        |
| Type G  | Adhesive-backed metal foil                |   |        |
| Type H  | Photosensitive aluminum (other than foil) |   |        |
| Type L  | Laser generated plate (see 1.2.1)         | } | Other  |
| Type J  | Tag                                       |   |        |
| Type K1 | Cable band (Plastic)                      |   |        |
| Type K2 | Cable band (heat shrinkable tubing)       |   |        |

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to Commanding Officer, Naval Air Warfare Center Aircraft Division Lakehurst, Systems Requirements Department, Code SR3, Lakehurst, NJ 08733-5100, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 9905

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

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1 2 1 Laser generated plate A laser generated plate may be used provided it meets the requirements of this specification

## 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 2c)

## SPECIFICATIONS

## FEDERAL

|            |   |
|------------|---|
| L-P-387    | Plastic Sheet, Laminated, Thermosetting (for Design Plates)         |
| P-C-437    | Cleaning Compound, High Pressure (Steam) Cleaner                    |
| GG-P-455   | Plates and Foils, Photographic, (Photosensitive, Anodized Aluminum) |
| QQ-A-250/1 | Aluminum Alloy 1100, Plate and Sheet                                |
| QQ-A-250/8 | Aluminum Alloy 5052, Plate and Sheet                                |
| QQ-S-766   | Steel, Stainless and Heat Resisting Alloys, Plate, Sheet and Strip  |
| TT-F-325   | Filler, Engraving, Stamped Marking                                  |
| PPP-B-566  | Boxes, Folding, Paperboard  |
| PPP-B-585  | Boxes, Wood, Wirebound  |
| PPP-B-601  | Boxes, Wood, Cleated-Plywood  |
| PPP-B-621  | Boxes, Wood, Nailed and Lock-Corner                                 |

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|           |   |
|-----------|---|
| PPP-B-636 | Boxes, Shipping, Fiberboard                   |
| PPP-B-665 | Boxes, Paperboard, Metal Edged and Components |
| PPP-B-676 | Boxes, Setup                                  |
| PPP-T-60  | Tape, Packaging, Waterproof                   |
| PPP-T-76  | Tape, Packaging, Paper (For Carton Sealing)   |

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|               |  |
|---------------|--|
| MIL-P-116     | Preservation, Methods of   |
| MIL-P-19834   | Plates, Identification or Instruction, Metal Foil, Adhesive Backed General Specification for |
| MIL-I-23053/5 | Insulation Sleeving, Electrical, Heat Shrinkable, Polyolefin, Flexible, Crosslinked          |
| MIL-M-43719   | Marking Materials and Markers, Adhesive, Elastomeric, Pigmented, General Specification for   |
| MIL-M-81531   | Marking of Electrical Insulating Materials   |
| MIL-C-87936   | Cleaning Compounds, Aircraft Exterior Surfaces Water Dilutable                               |

(See supplement for applicable specification sheets)

## STANDARDS

## FEDERAL

|             |                                       |
|-------------|---------------------------------------|
| FED-STD-191 | Textile Test Methods                  |
| FED-STD-595 | Colors used in Government Procurement |

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|            |  |
|------------|--|
| MIL-STD-12 | Abbreviations for Use on Drawings and in Specifications, Standards and Technical Documents |
|------------|--|

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|             |   |
|-------------|---|
| MIL-STD-105 | Sampling Procedures and Tables for Inspection By Attributes   |
| MIL-STD-129 | Marking for Shipment and Storage  |
| MIL-STD-130 | Identification Marking of U S Military Property   |
| MIL-STD-202 | Test Methods for Electronic and Electrical Component Parts  |
| MIL-STD-454 | Electronic Equipment, Standard General Requirements for   |
| MS3368      | Strap, Tiedown, Electrical Components, Identification Adjustable, Self-clinching, Plastic, Type II, Class I |

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

2.2 Non-Government publications The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which 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 the issues of the documents cited in the solicitation (see 6.2c).

## AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

|             |  |
|-------------|--|
| ASTM B 36   | Standard Specification for Brass Plate Sheet, Strip, and Rolled Bar                    |
| ASTM D 523  | Standard Test Method for Specular Gloss  |
| ASTM D 3953 | Standard Specification for Strapping, Flat Steel and Seals                             |
| ASTM G 21   | Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi |

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

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(Non-Government standards and other publications are normally available from the organizations that prepare or distribute the documents. These documents also may be available in or through libraries or other informational services )

2 3 Order of precedence In the event of a conflict between the text of this specification and the references cited herein (except for related associated detail specifications, specification sheets, or MS standards), the text of this document shall take precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained

2 4 Streamlining This document has been streamlined Appendix A lists those documents required for MIL-P-15024 acquisition and is a mandatory part of MIL-P-15024 Those documents listed in appendix A have the same status as those referenced directly in MIL-P-15024 (first tier documents). All other documents, referenced through tiering, may be used as guidance and information to supplement MIL-P-15024.

### 3 REQUIREMENTS

3 1 Specification Sheets The individual item requirements shall be as specified herein and in accordance with the specification sheet In the event of any conflict between the requirements of this specification and the specification sheet, the latter shall govern (If a specific requirement specified herein is not required for an item, it shall be so indicated on the specification sheet.)

3 2 Marking format and information. The marking format and information shall be as specified in the detail specification sheets The approval of the acquiring activity shall be obtained for applications not covered by a detail specification sheet in regards to the legend and the device location on the equipment The army requires a facsimile or scale drawing of all identification device designs

3 2 1 Identification plates Identification plates shall be used on the types of equipment specified in the detail specification sheet When an identification plate cannot be installed due to physical size of the item, space, or mounting surfaces, the contractor shall propose a reduced size for the plate, direct marking, or use of type J identification, in that order of preference, stating justification therefore The contractor shall include all required marking information, and shall attempt to use the required format and sequencing of the marking information (see 6.2n)

3.2.1.1 Additional marking information. Type J tags and all identification plates, except plastic type B, type F adhesive backed plates, and types E and G, may be steel stamped with additional information which may be added sometime after initial manufacture Additional information is information not required by the contract or purchase order. Additional information steel stamped on the plate shall be not less than 0.003 inch deep, unless otherwise specified in the detail specification sheet. Additional marking information need not be filled

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3 2.2 Information plates. When specified in the contract or order, proposed information plate designs shall be submitted to the acquiring activity

3 3 Characters. Characters shall be in accordance with MIL-STD-130. Abbreviations shall be in accordance with MIL-STD-12. The method of marking shall be as specified in 3.7 through 3.16. Except for plates smaller than size 1 of table II, the size of characters shall be not less than 3/32 inch in height. Nomenclature characters shall be not less than 3/16 inch

3 4 Filling of markings. Engraved, stamped, or etched metal plates shall be filled with a hard paint, enamel, or lacquer of the color specified. Filling of markings with paint, enamel, or lacquer may be omitted for color anodized aluminum plates meeting color styles III, VIII, and IX. If markings are filled, the face of the plate shall be coated with a moisture-resistant varnish. When preservation of a matte finish is required, a coating of clear, flat epoxy may be used in place of the varnish. Plastic plates engraved through one lamination to show a lamination of a contrasting color do not require filling of the characters or protective coating.

3 5 Permanency and legibility. Permanency and legibility shall be in accordance with MIL-STD-130

### 3 6 Physical properties

\* 3 6.1 Materials. Identification devices shall be made of a fungus inert material in accordance with MIL-STD-454 requirement 4 which will withstand the same environmental and cleaning conditions as the item to which the device will be attached. Flammable materials as identified in MIL-STD-454 requirement 3 shall not be used. Paints, fillers, varnish coatings, and adhesives shall show no evidence of fungus when tested in accordance with 4.4.1.11. When a plate material is not specified, the plate material shall be selected from the following, for optimum compatibility with the surface to which it is attached and the environmental conditions to which it will be exposed

- a. Brass (commercial) (ASTM B 36) or bronze
- b. Corrosion resisting steel (QQ-S-766, class 302 or 304)
- c. Aluminum alloy (QQ-A-250/1 and QQ-A-250/8)
- d. Plastic (for application not directly exposed to weather) (L-P-387).

Other materials may be used with the approval of the acquiring activity

3 6.2 Plastic plates. Edges of plastic plates shall be beveled, where beveling will not be harmful to the plate

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3.6 3 Color style The background and character color of the identification device shall be as specified in the detail specification sheet, and in accordance with the color style of table I. The color numbers of FED-STD-595 shall be used as an approximate color comparison for anodic coatings and finishes other than paint, enamel, lacquer or varnish. When a color style for identification devices to be used on electronic equipment is not specified, color style III shall be used. Other colors may be used with the approval of the acquiring activity.

TABLE I Color styles

| Style | Background |                          | Characters |                          |
|-------|------------|--------------------------|------------|--------------------------|
|       | Color      | FED-STD-595 color number | Color      | FED-STD-595 color number |
| I     | White      | 37875                    | Black      | 37038                    |
| II    | Black      | 37038                    | White      | 37875                    |
| III   | Black      | 37038                    | Natural    | -                        |
| IV    | Natural    | -                        | Black      | 37038                    |
| V     | Olive drab | 24084                    | White      | 37875                    |
| VI    | Red        | 21105                    | White      | 37875                    |
| VII   | Yellow     | 23655                    | Black      | 37038                    |
| VIII  | Red        | 21105                    | Natural    | -                        |
| IX    | Orange     | 12197                    | Natural    | -                        |

Note: When plates are designed with blank spaces or pads upon which additional marking will be added at a later time, the background and character color requirements do not apply to the pads or characters marked thereon.

3 6 3 1 Opacity. The opacity of paint and ink used for marking shall be such that the background on which they are applied will be completely hidden.

3 6 4 Finishes. All front surfaces shall be matte, satin (line), or semi-gloss, as the type of material or finish thereon permits.

3.6 4 1 Gloss. The surfaces of plastic plates shall have a specular gloss of  $25 \pm 10$ , except that adhesive backed type F plates may be designated as lusterless with a specular gloss of 6 or less, or gloss with a specular gloss of 40 or more, in accordance with MIL-M-43719 (see 4.4.1 10).

3 6.5 Plate size. The size of identification plates shall be as specified in the detail specification sheet. Plate sizes with standard

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dimensions are listed in table II. When the size is not specified in the detail specification sheet, a size compatible with that of the equipment to which the plate will be attached, shall be used. For plates with standard dimensions, the number, size, and location of the mounting holes on the plate shall be as specified in table II. Sizes for type G plates may be other than the standard sizes of table II. Type G plates and other plates using an adhesive for mounting shall not have mounting holes.

### 3.7 Type A (etched or chemically engraved)

3.7.1 Materials Type A plates shall be one of the following materials

- a. Brass
- b. Corrosion-resisting steel
- c. Aluminum alloy

3.7.2 Marking method Characters shall be either sunken etched (characters etched into the metal) or relief etched (characters in relief). Etched areas shall be filled with the appropriate color as specified in 3.4. Filling of markings with paint, enamel, or lacquer may be omitted for color anodized aluminum plates meeting color styles III, VIII, and IX (see 3.7.3). Plates which are relief etched shall have a border in relief. Additional information may be steel stamped in accordance with 3.2.1.1.

3.7.3 Dimensions Etched areas shall not be less than 0.003 inch deep except that color anodized plates, that are not filled, shall be etched to the depth necessary to produce clear, legible characters. The thickness of type A plates shall be not less than 0.03 inch.

### 3.8 Type B (engraved)

3.8.1 Materials Type B plates shall be one of the following materials

- a. Brass
- b. Corrosion-resisting steel
- c. Aluminum alloy
- d. Plastic (type NDP opaque and fungus resistant in accordance with L-P-387)



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TABLE II Standard dimensions 1/

| Size number | Length                                | Width  | Diameter of holes | Number of holes | Hole center to edge | Hole center spacing |        |
|-------------|---------------------------------------|--------|-------------------|-----------------|---------------------|---------------------|--------|
|             |                                       |        |                   |                 |                     | Length              | Width  |
|             | Inches                                | Inches | Inch              |                 | Inch                | Inches              | Inches |
| 1           | 2                                     | 3/4    | 1/8               | 2               | 1/8                 | 1-3/4               | ----   |
| 3           | 2                                     | 2      | 1/8               | 4               | 1/8                 | 1-3/4               | 1-3/4  |
| 4           | 3                                     | 1      | 1/8               | 2               | 1/8                 | 2-3/4               | ----   |
| 5           | 3                                     | 2      | 1/8               | 4               | 1/8                 | 2-3/4               | 1-3/4  |
| 6           | 3                                     | 3      | 1/8               | 4               | 1/8                 | 2-3/4               | 2-3/4  |
| 7           | 4                                     | 1-1/2  | 1/8               | 2               | 1/8                 | 3-3/4               | ----   |
| 8           | 4                                     | 2      | 1/8               | 4               | 1/8                 | 3-3/4               | 1-3/4  |
| 9           | 4                                     | 3      | 1/8               | 4               | 1/8                 | 3-3/4               | 2-3/4  |
| 10          | 4                                     | 4      | 1/8               | 4               | 3/16                | 3-5/8               | 3-5/8  |
| 12          | 5                                     | 3      | 5/32              | 4               | 3/16                | 4-5/8               | 2-5/8  |
| 14          | 5                                     | 5      | 5/32              | 4               | 3/16                | 4-5/8               | 4-5/8  |
| 17          | 6                                     | 4      | 5/32              | 4               | 3/16                | 5-5/8               | 3-5/8  |
| 19          | 6                                     | 6      | 5/32              | 4               | 3/16                | 5-5/8               | 5-5/8  |
| 21          | 7                                     | 3      | 5/32              | 4               | 3/16                | 6-5/8               | 2-5/8  |
| 23          | 7                                     | 5      | 5/32              | 4               | 3/16                | 6-5/8               | 4-5/8  |
| 25          | 7                                     | 7      | 5/32              | 4               | 3/16                | 6-5/8               | 6-5/8  |
| Other       | As approved by the acquiring activity |        |                   |                 |                     |                     |        |

1/ Tolerance on plates shall be as specified by the acquiring activity

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3 8.2 Marking method All characters shall be engraved in the plate. Engraving in metal plates shall be filled with type II (paste) opaque filler in accordance with TT-F-325, of the desired color. Additional information may be steel stamped, except type B plastic plates, in accordance with 3 2.1 1

3 8.3 Dimensions. The engraving shall be rectangular or V-shaped in cross-section. It shall be uniform in depth for characters of the same size. In metal plates, it shall be not less than 0 008 inch deep. In plastic plates, the depth shall be sufficient to ensure uniform penetration of the cover (top layer). Line widths shall be not less than 1/8 or more than 1/5 of the related character heights. The thickness of type B plates shall be not less than 0 03 inch.

3 9 Type C (stamped)

3 9.1 Materials Type C plates shall be of one of the following materials

- a Brass
- b Corrosion-resisting steel
- c Aluminum alloy

3 9.2 Marking method All characters shall be stamped on the plate. Additional information may be steel stamped in accordance with 3 2 1 1

3 9.3 Dimensions Stamping shall not be less than 0 003 inch deep. The thickness of type C plates shall be not less than 0 03 inch

3 10 Type D (cast)

3 10.1 Materials Type D plates shall be of cast brass or bronze of commercial quality

3 10.2 Markings All characters shall be raised above the body of the plate and shall be polished. The balance of the plate shall have a roughened or stippled finish. Additional information may be steel stamped in accordance with 3 2 1 1, on raised pads provided for this purpose

3 10.3 Dimensions. Characters shall be raised not less than 0 03 inch. The thickness of type D shall be as specified in the contract or order. When not specified, the thickness may be the manufacturer's standard.

3 11 Type E (screen or litho print)

3 11.1 Materials. Type E plates shall be of one of the following materials or may be fabricated from a type I adhesive backed film conforming to MIL-M-43719 adhered to aluminum alloy sheet conforming to QQ-A-250/8. Type E plates shall be for use in environment protected areas only

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- a Brass
- b Corrosion-resisting steel
- c Aluminum alloy
- d Plastic, type HSP in accordance with L-P-387

3.11.2 Marking method Marking shall be applied by litho printing or screen printing. Other similar processes may be used with the approval of the acquiring activity. A protective coating of compatible fungus-resistant, moisture-resistant clear varnish may be applied over the marking.

3.11.3 Dimensions. The thickness of type E plates shall be not less than 0.03 inch.

### 3.12 Type F (laminated plastic)

3.12.1 Materials Type F plates shall be plastic material, type GCP-H opaque in accordance with L-P-387 (see 6.2g).

3.12.2 Marking method Characters shall be included between the laminations and shall be clearly visible through a transparent outer layer. Only on type F plates having a thickness of 0.03 inch or greater, may additional information be steel stamped in accordance with 3.2.1.1.

3.12.3 Dimensions. Thickness of type F plates shall not be less than 0.03 inch for plates using fasteners. For plates using adhesives, the thickness shall not be less than 0.006 inch and shall not be greater than 0.025 inch.

### 3.13 Type G (adhesive backed metal foil)

3.13.1 Materials. Type G plates shall be in accordance with MIL-P-19834.

3.13.2 Marking method All characters shall be integrated into the plate by a photographic process, or by a screening, anodizing, or chemical etching process which will meet the durability requirements for the particular application. Additional marking information may be added by a suitable typewriter, or by serializing devices which will not break through the foil, or produce an impression, or raised surface which would affect the adhesive qualities of the plate.

### 3.14 Type H (photosensitive, other than foil)

3.14.1 Materials Type H plates shall be aluminum alloy with anodized surfaces in accordance with GG-P-455, except thickness of plates shall be as specified in 3.14.3. They may be mounted by fastener devices or by an adhesive.

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\* 3 14.2 Marking method. Characters shall be integrated into the anodized layer by photographic process using silver compounds. Processes using other than silver compounds may be used when specified by the acquiring activity when colors other than black are needed. Type H plates, subjected to sunlight and high temperatures, shall use only silver compounds. Additional marking information may be steel stamped in accordance with 3 2 1 1.

3 14 3 Dimensions. The thickness of type H plates shall be not less than 0 02 inch for plates using fasteners. For plates using adhesives, the thickness shall be not less than 0 012 inch and not greater than 0 025 inch.

### 3 15 Type J (identification tag)

3 15 1 Materials. Type J tags shall be of a plastic conforming to L-P-387, type GCP-H, aluminum, or corrosion resisting steel. Plastic tags shall be black or white.

3 15 2 Marking. All characters shall be permanently stamped in the tag.

3 15 3 Dimensions. The thickness of the tag shall be not less than 0 03 inch. Unless otherwise specified in the detail specification sheet, the length and width of the tag shall be governed by the amount of data to be marked and the dimensions of the item to be identified.

3 15 4 Mounting. Mounting provisions shall be approved by the acquiring activity.

### 3.16 Type K1 plastic cable band and type K2 heat shrinkable tubing

3 16 1 Materials. Type K1 cable bands shall be of a plastic material which will meet the operating and environmental requirements of the cable on which it is used. Plastic cable band material shall be compatible with the cable jacket material on which it is used. Unless otherwise specified, K1 cable bands shall be white or black. Cable straps conforming to MS3368 may be used for type K1 bands.

Note Aluminum may be used for type K1 bands when specified in the detail specification sheet.

Type K2 cable bands shall be of tubing class 1, heat shrinkable, polyolefin conforming to MIL-I-23053/5. Unless otherwise specified, the color of the tubing used for K2 cable bands shall be yellow.

3 16 2 Marking method. All characters shall be permanently stamped in accordance with MIL-M-81531.

3.16 3 Dimensions. The size of the cable band shall be as specified in the detail specification sheet. When no size is specified, the size shall be determined by the information to be marked and the size of the cable to be identified. The thickness of K1 plastic cable bands shall be not less than 0 010 inch.

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3.17 Environmental Products covered by this specification shall be capable of meeting the tests specified in 4.4.

3.18 Mounting or attachment. Identification devices shall be securely mounted or attached to the equipment as specified in the detail equipment specification.

3.19 Workmanship The manufacture of the identification devices covered by this specification shall be representative of the best commercial practices and shall conform to the specifications for the type involved.

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

- a. Quality conformance inspection when specified in the contract or order (see 4.2.1).

4.2.1 Quality conformance inspection. Identification devices shall be capable of meeting the test requirements specified herein but the tests need not be performed unless specified in the contract or order. When testing is specified in the contract or order, the following shall apply (see 6.2k).

4.2.2 Lot. All identification devices of the same type, style, and size offered for delivery at one time shall be considered a lot for purposes of inspection.

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4.2.3 Sampling for examination. A random sample of identification devices shall be selected from each lot in accordance with MIL-STD-105 at inspection level III for the examination specified in 4.3. The acceptable quality level (AQL) shall be 4 percent defective.

4.2.4 Sampling for tests. A random sample of identification devices shall be selected from a lot in accordance with MIL-STD-105 at inspection level S-4. Tests shall be as specified in 4.4, completed for the initial lot, and once every six months. Acceptable test data will constitute acceptance for the interim time period (see 6.3).

4.3 Examination. Each of the sample items, selected in accordance with 4.2.3, shall be examined to verify compliance with the requirements of this specification. Examination shall be conducted as specified in table III. Any item in the sample containing one or more defects shall be rejected and if the number of defective items in any sample exceeds the acceptance number for that sample, it shall be cause for rejecting the lot.

4.4 Test procedure. Each of the sample items of a specific type selected in accordance with 4.2.4 shall be subjected to all of the tests specified in table IV for that type. A completely marked item shall be considered a unit of product for testing purposes. Test specimens of adhesive backed plates and type K bands shall be secured to a replica of the surface on which they will be mounted, or cable to which they will be attached during normal use. If any sample fails to conform to any test, the lot represented by the sample shall be rejected.

4.4.1 Deterioration. Deterioration tests shall consist of the tests, specified in 4.4.1.1 through 4.4.1.11. Failure of deterioration tests shall be evidenced by flaking, peeling, dissolving, distorting, softening, presence of oxidation, discoloration, or visible evidence of fungus. Slight discoloration or fading of anodized colors which do not exhibit a deleterious effect on legibility is permissible.

\* 4.4.1.1 Temperature test. The finished item mounted to a test surface shall be tested in accordance with MIL-STD-202, method 107 condition B, for three cycles.

4.4.1.2 Moisture resistance test. The finished item mounted to a test surface shall be tested in accordance with MIL-STD-202, method 106.

4.4.1.3 Solvent resistance test. The finished item mounted to a test surface shall be tested in accordance with MIL-STD-202, method 215. The face of the plate shall be brushed.

4.4.1.4 Salt spray test. The finished item mounted to a test surface shall be tested in accordance with MIL-STD-202, method 101 condition B.

4.4.1.5 Weather test. The finished item mounted to a test surface shall be exposed to a flaming carbon arc at a distance of approximately 18 inches for a period of 50 hours. The carbon used shall operate on a current of 50 to 60 amperes. A spray shall be adjusted so that the plate is sprayed with water for approximately 20 minutes of each 2 hours exposure.

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TABLE III. Classification of defects in accordance with MIL-STD-105

| Categories<br>(MIL-STD-105) | Defects  |
|-----------------------------|--|
| Major                       |  |
| 101                         | Finish blistered, flaked, peeled, chipped, cracked, softened, or not as specified.                 |
| 102                         | Burred, slivered, splintered, split, delaminated, or injurious to personnel.                       |
| 103                         | Incorrect color  |
| 104                         | Illegible  |
| 105                         | Inscription or description does not conform to detail specification sheet or contract requirements |
| 106                         | Materials not as specified   |
| 107                         | Dimensions do not meet requirements  |

4 4.1 6 Flammability test. The finished item shall be tested for flammability as specified in MIL-STD-454 requirement 3. Type F adhesive backed plates shall be laminated to a self-extinguishing backing plate to a total thickness of 0.03 inch or greater for testing purposes.

4.4.1 7 Abrasion resistance test. Using a standard abrasion apparatus with CS-17 calibre wheels and 1,000 gram loading, the abrasion test shall be performed on the finished item in accordance with FED-STD-191, method 5306, and shall consist of 500 cycles

4 4 1 8 Cleaning resistance test. The finished item shall be capable of withstanding the effects of cleaning agents employed in P-C-437 and MIL-C-87936 applied by cold steam process, hose, brush, and hand-wipe for a period of 1 minute.

4 4 1 9 Thermal shock for nonmetallic items Nonmetallic items shall show no signs of chipping, peeling, cracking, shrinking or other damage when tested in accordance with MIL-STD-202 method 107 condition A.

4.4.1.10 Gloss for nonmetallic items. Nonmetallic items shall be subjected to the specular gloss test, in accordance with ASTM D 523, to determine conformance with 3.6.4.1.

\* 4 4 1 11 Fungus test The finished item, mounted to a test surface, shall be tested in accordance with ASTM G 21 with visual reading of "0"

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TABLE IV. Test methods.

| Type<br>identifi-<br>cation<br>device             | Material                                    | Test required                                       |                                |                               |                       |                    |                         |                     |                     |                          |                   |                    |
|---|---|---|--------------------------------|-------------------------------|-----------------------|--------------------|-------------------------|---------------------|---------------------|--------------------------|-------------------|--------------------|
|   |   | Temperature<br>4.4.1.1                              | Moisture resistance<br>4.4.1.2 | Solvent resistance<br>4.4.1.3 | Salt Spray<br>4.4.1.4 | Weather<br>4.4.1.5 | Flammability<br>4.4.1.6 | Abrasion<br>4.4.1.7 | Cleaning<br>4.4.1.8 | Thermal shock<br>4.4.1.9 | Gloss<br>4.4.1.10 | Fungus<br>4.4.1.11 |
| A<br>Etched or<br>chemically<br>engraved<br>plate | Brass                                       | X   | X                              | X                             | X                     | X                  |                         | X                   | X                   |                          |                   | X                  |
|   | Corrosion-resistant<br>steel                | X   | X                              | X                             | X                     | X                  |                         | X                   | X                   |                          |                   | X                  |
|   | Aluminum alloy                              | X   | X                              | X                             | X                     | X                  |                         | X                   | X                   |                          |                   | X                  |
| B<br>Ungraved<br>plate                            | Brass                                       | X   | X                              | X                             | X                     | X                  |                         | X                   | X                   |                          |                   | X                  |
|   | Corrosion-resistant<br>steel                | X   | X                              | X                             | X                     | X                  |                         | X                   | X                   |                          |                   | X                  |
|   | Aluminum alloy                              | X   | X                              | X                             | X                     | X                  |                         | X                   | X                   |                          |                   | X                  |
|   | Plastic                                     |   | X                              | X                             |                       |                    | X                       | X                   | X                   | X                        | X                 | X                  |
| C<br>Stamped<br>plate                             | Brass                                       | X   | X                              | X                             | X                     | X                  |                         | X                   | X                   |                          |                   | X                  |
|   | Corrosion-resistant<br>steel                | X   | X                              | X                             | X                     | X                  |                         | X                   | X                   |                          |                   | X                  |
|   | Aluminum alloy                              | X   | X                              | X                             | X                     | X                  |                         | X                   | X                   |                          |                   | X                  |
| D<br>Cast<br>plate                                | Brass                                       |   |                                |                               | X                     |                    |                         | X                   | X                   |                          |                   | X                  |
|   | Bronze                                      |   |                                |                               | X                     |                    |                         | X                   | X                   |                          |                   | X                  |
| E<br>Screen or<br>litho print<br>plate            | Brass                                       |   | X                              | X                             |                       | X                  |                         |                     | X                   | X                        | X                 | X                  |
|   | Corrosion-resistant<br>steel                |   | X                              | X                             |                       | X                  |                         |                     | X                   | X                        | X                 | X                  |
|   | Aluminum alloy                              |   | X                              | X                             |                       | X                  |                         |                     | X                   | X                        | X                 | X                  |
|   | Plastic                                     |   | X                              | X                             |                       | X                  | X                       |                     | X                   | X                        | X                 | X                  |
| F<br>Laminated<br>plate                           | Plastic                                     |   | X                              | X                             |                       | X                  | X                       |                     | X                   | X                        | X                 | X                  |
| G<br>Adhesive-<br>backed<br>metal foil<br>plate   | Aluminum foil                               | Test in accordance with MIL-P-19834<br>(see 3.13.2) |                                |                               |                       |                    |                         |                     |                     |                          |                   |                    |
| H<br>Photosen-<br>sitive plate                    | Aluminum alloy                              | X   | X                              | X                             | X                     | X                  |                         | X                   | X                   |                          |                   | X                  |
| J<br>I.D. tag                                     | Plastic                                     |   | X                              | X                             |                       |                    | X                       |                     | X                   | X                        | X                 | X                  |
|   | Aluminum                                    | X   | X                              | X                             | X                     | X                  |                         | X                   | X                   |                          |                   | X                  |
|   | Corrosion-resistant<br>steel                | X   | X                              | X                             | X                     | X                  |                         | X                   | X                   |                          |                   | X                  |
| K1 & K2<br>Cable band                             | Plastic bands and<br>Heat shrinkable tubing |   | X                              | X                             |                       |                    | X                       | X                   |                     | X                        |                   | X                  |



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4.5 Inspection of packaging The lot size shall be the number of containers offered for delivery at one time. The inspection level for determining the sample size shall be S-4 of MIL-STD-105. The sample unit shall be one packed shipping container fully prepared for delivery with the exception that it shall not be sealed. Each of the sample containers shall be examined to determine if the items are packaged, packed, and marked as specified herein. Defects of packaging listed in table V shall be used as the inspection criteria. The AQL shall be 6.5 percent defects per hundred units, fully prepared for delivery.

TABLE V Classification of defects in packaging and packing.

| Categories<br>MIL-STD-105 | Defects   |
|---------------------------|---|
| Major                     |   |
| 108                       | Marking (interior and exterior container)<br>Omitted, incorrect, illegible, size, location, or method of application incorrect.   |
| 109                       | Materials (container)<br>Item missing, damaged, defective, incorrect, improper  |
| 110                       | Workmanship (container)<br>Incomplete closure of case liners and container flaps, loose strapping, inadequate stapling, or taping, bulging, or distortion of containers |

## 5. PACKAGING

(The packaging requirements specified herein apply only for direct Government procurements. Packaging requirements of referenced documents listed in section 2 do not apply unless specifically stated in the contract or order. Packaging requirements for products procured by contractors shall be specified in the individual orders.)

5.1 Preservation. Preservation shall be level A or C, as specified.

5.1.1 Level A Items of the same type, style and size shall be individually packaged in accordance with MIL-P-116, method III ensuring compliance with the general requirements paragraph under methods of preservation (unit protection) and the physical protection requirements paragraph therein.

5.1.1.1 Intermediate packaging Items, packaged as described in 5.1.1, shall be placed in intermediate containers conforming to PPP-B-566 or PPP-B-676. Intermediate containers shall be uniform in size, shape, and quantities, shall be a minimum tare and cube and shall contain multiples of five unit packages, not to exceed 50 packages. No intermediate packaging is required when the total quantity shipped to a single destination is less than 50 unit packages.

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5.1.2 Level C Items of the same type, style, and size shall be individually packaged in a manner that will afford adequate protection against mechanical and physical damage during shipment from supply source to the first receiving activity

5.2 Packing Packing shall be level A, B, or C as specified

5.2.1 Level A Items packaged as specified in 5.1 shall be packed in fiberboard containers conforming to PPP-B-636, V grade, special requirements, style optional. In lieu of the closure and waterproofing requirements in PPP-B-636, all seams, corners, and manufacturers joint shall be sealed with tape, not less than two inches in width, conforming to PPP-T-60, class 1, or PPP-T-76. Banding (reinforcement requirements) shall be applied in accordance with the appendix to PPP-B-636 using nonmetallic or tape banding. Containers shall be of uniform size and shape and shall contain identical quantities

5.2.2 Level B. Items packaged as specified in 5.1, shall be packed in fiberboard containers conforming to PPP-B-636, class domestic, style optional, special requirements. Closure shall be in accordance with the appendix thereto. Containers shall be of uniform size and shape and shall contain identical quantities

5.2.3 Level C Items packaged as specified in 5.1 shall be packed in shipping containers in a manner that will afford adequate protection against damage during direct shipment from the supply source to the first receiving activity. Those packs shall conform to the carrier rules and regulations.

5.3 Marking. In addition to any special marking required by the contract or order, each unit, package, intermediate, and exterior container shall be marked in accordance with MIL-STD-129

\* 5.4 Army procurements (see 5.1.1, 5.1.1.1, 5.2.1 and 5.2.2) All unit and intermediate containers shall either be weather-resistant or overwrapped with waterproof barrier materials. Containers conforming to PPP-B-566 or PPP-B-676 shall be overwrapped with waterproof barrier materials or shall conform to PPP-B-665, class 2. For level A packing when quantities per destination are less than a unitized load, the fiberboard containers shall not be banded but shall be placed in a close-fitting box conforming to PPP-B-601, overseas type, PPP-B-621, class 2, style 4, or PPP-B-585, class 3, style 2 or 3. Closure and strapping shall be in accordance with the container specification except that metal strapping shall conform to ASTM D 3953. For level B packing, fiberboard boxes shall be weather-resistant as specified in level A and the containers shall be banded

## 6 NOTES

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

6.1 Intended use. The items covered by this specification are intended for use to identify electrical, electronic, or mechanical equipment or when required to present other information for the installation, use, operation, or maintenance of these equipments

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\* 6.2 Acquisition requirements Acquisition documents should specify the following:

- a. Title, number and date of this specification
- b. Specify facsimile or drawing submission requirement (see 3 2 and 3 2 2)
- c. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.1 1 and 2.2)
- d. Specify proposed information plate design submission requirement (see 3.2 2).
- e. Color of filler (see 3.4).
- f. Color style (see 3 6 3 and table I)
- g. Color of cores and cover sheets (see 3 12 1)
- h. Specify plate size, if applicable (see 3 6.5)
- i. Type identification device and material (see 3 7 through 3 17)
- j. Specify thickness of type D plates, (see 3.10 3)
- k. Specify testing requirement (see 4 2.1).
- l. Selection of applicable levels of preservation and packing (see 5 1 and 5 2)
- m. Quantity or weight limitations of the shipping container (see 5 2.1 and 5 2 2).
- n. Required marking information, required format, and required sequencing of marking information on plates, tags, and bands (see 3 2 1)

\* 6.3 Consideration of data requirements The following data requirements should be considered when this specification is applied on a contract. The applicable Data Item Descriptions (DIDs) should be reviewed in conjunction with the specific acquisition to ensure that only essential data are requested/provided and that the DIDs are tailored to reflect the requirements of the specific acquisition. To ensure correct contractual application of the data requirements, a Contract Data Requirements List (DD Form 1423) must be prepared 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> |
|----------------------------|-------------------|-------------------------|----------------------------|
| 4.1 1                      | DI-NDTI-80809A    | Test/inspection reports | 10.2.7, only               |
| 4.2.4                      | DI-NDTI-80809A    | Test/inspection reports | ---                        |

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The above DIDs 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 DIDs are cited on the DD Form 1423.

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

6.4.1 Characters Letters, numerals, symbols, and all other markings printed, imprinted, engraved, etched, or stamped.

6.4.2 Identification plate Plates used to identify equipment with nomenclature, type designation, manufacturer, and part number. It does not normally contain instructional, caution, shipping, or maintenance information.

6.4.3 Information plate Plates used to present information other than identifying, such as warning, ratings, wiring connections, diagrams, charts, operating, or maintenance instructions.

\* 6.5 Subject term (key word) listing

Characters  
Color style  
Marking format and information  
Marking method  
Materials  
Permanency

6.6 Streamlining For MIL-P-15024 acquisitions, the required portions of all MIL-P-15024 tier reference documents shall be limited to the portion(s) described in the "Applicability" column of table VI in appendix A.

6.7 Tailoring When MIL-P-15024 is tailored in an acquisition, appendix A must be tailored accordingly. In particular, when appendix A is tailored, specific attention must be given to the chain of referencing. For example, if a first tier reference document in MIL-P-15024 is tailored out, all of the reference documents which are tiered to that first tier reference document must be tailored out.

\* 6.8 Changes from previous issue The margins of this specification are marked with asterisks 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.

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Custodians

Army - GL

Navy - AS

Air Force - 99

Preparing activity

Navy - AS

(Project 9905-0316)

Review activities:

Army - AV, ME, MI

Navy - OS, YD

Air Force - 16, 84

DLA - GS

User activities.

Navy - CG, MC

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## APPENDIX A

## STREAMLINING INFORMATION

## 10 SCOPE

10.1 Scope This appendix is a list of documents referenced in MIL-P-15024 or tiered to documents referenced in MIL-P-15024. These documents have the same status as those referenced directly in MIL-P-15024. These documents have the same status as those referenced directly in MIL-P-15024 (first tier documents). This appendix is a mandatory part of this specification. The information contained herein is intended for compliance.

10.2 Application This appendix identifies the applicability of the documents referenced in MIL-P-15024 or tiered to documents referenced in MIL-P-15024 through the third tier. Only that portion(s) of a document listed in table VI of this appendix and described in the "Applicability" column, is pertinent in the use of MIL-P-15024. If MIL-P-15024 is tailored in acquisition, this appendix must also be tailored.

20 Documents The documents listed herein and corresponding applicability data have been identified as required. All other documents referenced through tiering are not considered required and may be used for guidance and information.

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APPENDIX A

TABLE VI Required documents and corresponding applicability data

| DOCUMENT NUMBER  | DOCUMENT TITLE   | APPLICABILITY   | REFERENCED BY |
|--|--|---|---------------|
| <u>First tier (1 of 46 documents)</u>  |  |   |               |
| MIL-STD-130  | Identification Marking of US Military Property                       | Permanency and legibility, type of lettering          | MIL-P-15024   |
| <u>First tier (2 of 46 documents)</u>  |  |   |               |
| MIL-STD-12   | Abbreviations for use on Drawings and in Specifications              | General requirements, detailed requirements           | MIL-P-15024   |
| <u>First tier (3 of 46 documents)</u>  |  |   |               |
| MIL-STD-454  | Electronic Equipment, Standard General Requirements for              | Requirement 4 fungus-inert Requirement 3 flammability | MIL-P-15024   |
| <u>Second tier</u>   |  |   |               |
| MIL-STD-810  | Environmental Test Methods and Engineering Guidelines                | Method 508 4, fungus                                  | MIL-STD-454   |
| The remaining second tier references, tiered to MIL-STD-454, are for guidance and information. |  |   |               |
| <u>First tier (4 of 46 documents)</u>  |  |   |               |
| ASTM B 36<br>(Replaces QQ-B-613<br>Composition 2-60)   | Standard Specification for Brass Plate, Sheet, Strip, and Rolled Bar | Entire document                                       | MIL-P-15024   |

TABLE VI. Required documents and corresponding applicability data - Continued.

| DOCUMENT NUMBER:                      | DOCUMENT TITLE:   | APPLICABILITY:   | REFERENCED BY: |
|---------------------------------------|---|--|----------------|
| <u>First tier (5 of 46 documents)</u> |   |  |                |
| QQ-S-766                              | Steel, Stainless and Heat Resisting, Alloys, Plate, Sheet and Strip   | Classification requirements<br>Quality assurance provisions<br>for class 302 and class 304 | MIL-P-15024    |
| <u>First tier (6 of 46 documents)</u> |   |  |                |
| QQ-A-250/1                            | Aluminum 1100, Plate and Sheet  | Classification, requirements   | MIL-P-15024    |
| <u>Second tier</u>                    |   |  |                |
| QQ-A-250                              | Aluminum and Aluminum Alloy Plate and Sheet General Specification for | Classification requirements, quality assurance provisions                                  | QQ-A-250/1     |
| <u>First tier (7 of 46 documents)</u> |   |  |                |
| QQ-A-250/8                            | Aluminum Alloy 5052, Plate and sheet                                  | Classification, requirements   | MIL-P-15024    |
| <u>Second tier</u>                    |   |  |                |
| QQ-A-250                              | Aluminum and Aluminum Alloy Plate and Sheet. General                  | Classification, requirement quality assurance provisions                                   | QQ-A-250/8     |
| <u>First tier (8 of 46 documents)</u> |   |  |                |
| L-P-387                               | Plastic Sheet, Laminated, Thermosetting (for Designation Plates)      | Requirements and quality assurance provisions for types GCP-H, NDP (opaque) and HSP        | MIL-P-15024    |



TABLE VI. Required documents and corresponding applicability data - Continued

| DOCUMENT NUMBER:                       | DOCUMENT TITLE   | APPLICABILITY:  | REFERENCED BY            |
|--|--|---|--------------------------|
| <u>First tier (9 of 46 documents)</u>  |  |   |                          |
| FED-STD-595                            | Colors   | Care and use of color chips, colors 37875 white, 37038 black, 24084 olive drab, 21105 red, 23655 yellow, and 12197 orange | MIL-P-15024              |
| <u>First tier (10 of 46 documents)</u> |  |   |                          |
| TT-F-325                               | Filler, Engraving, Stamped Marking   | Requirements and sampling, inspection, and test procedures for type II  | MIL-P-15024              |
| <u>Second tier</u>                     |  |   |                          |
| FED-STD-595                            | Colors   | Care and use of color chips, black color 37038, white color 37778, red color 31136  | TT-F-325<br>MIL-P-15024E |
| <u>First tier (11 of 46 documents)</u> |  |   |                          |
| MIL-M-43719                            | Marking Materials and Markers, Adhesive, Elastomeric, Pigmented; General Specification for                   | Classification, requirements and quality assurance provisions for type I marking material                                 | MIL-P-15024              |
| <u>First tier (12 of 46 documents)</u> |  |   |                          |
| GG-P-455                               | Plates and Foils, Photographic, Photosensitive, Anodized Aluminum  | Requirements, quality assurance provisions  | MIL-P-15024              |
| <u>First tier (13 of 46 documents)</u> |  |   |                          |
| MS3368<br>(Replaces MS17822)           | Strap, Tiedown, Electrical Components, Identification, Adjustable, Self-Clinching, Plastic, Type II, Class I | Entire document   | MIL-P-15024              |

TABLE VI. Required documents and corresponding applicability data - Continued

| DOCUMENT NUMBER:                       | DOCUMENT TITLE   | APPLICABILITY.   | REFERENCED BY. |
|--|--|--|----------------|
| <u>Second tier</u>                     |  |  |                |
| MIL-S-23190                            | Straps, Clamps, and Mounting Hardware, Plastic and Metal for Cable Harness Tying and Support | Any QPL item for MS3368 specified  | MS3368         |
| <u>First tier (14 of 46 documents)</u> |  |  |                |
| MIL-23053/5                            | Insulation Sleeveing, Electrical, Heat Shrinkable, Polyolefin, Flexible, Crosslinked         | Entire document for class 1 flame resistant  | MIL-P-15024    |
| <u>Second tier</u>                     |  |  |                |
| MIL-I-23053                            | Insulation Sleeveing, Electrical, Heat Shrinkable, General Specification for                 | Classification, requirements, quality assurance provisions   | MIL-I-23053/5  |
| MIL-STD-104                            | Limits for Electrical Insulation Color   | Detail requirements for class 1 colors   | MIL-I-23053/5  |
| <u>First tier (15 of 46 documents)</u> |  |  |                |
| MIL-M-81531                            | Marking of Electrical Insulating Materials   | Requirements, quality assurance provisions   | MIL-P-15024    |
| <u>First tier (16 of 46 documents)</u> |  |  |                |
| MIL-STD-105                            | Sampling Procedures and Tables for Inspection by Attributes                                  | Inspection level III AQL 4%, inspection level S-4 AQL 6 5%, classification of defects and defectives | MIL-P-15024    |

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APPENDIX A

TABLE VI. Required documents and corresponding applicability data - Continued

| DOCUMENT NUMBER:                       | DOCUMENT TITLE:   | APPLICABILITY:  | REFERENCED BY: |
|--|---|---|----------------|
| <u>First tier (17 of 46 documents)</u> |   |   |                |
| MIL-STD-202                            | Test Methods for Electronic and Electrical Component Parts                                    | Method 107 conditions A and B thermal shock, method 106 moisture resistance, method 215 resistance to solvents, method 101 condition B salt spray (corrosion) | MIL-P-15024    |
| <u>First tier (18 of 46 documents)</u> |   |   |                |
| MIL-C-87936<br>(Replaces MIL-C-25769)  | Cleaning Compounds, Aircraft Exterior Surfaces, Water Dilutable                               | Any QPL item specified  | MIL-P-15024    |
| <u>First tier (19 of 46 documents)</u> |   |   |                |
| P-C-437                                | Cleaning Compounds, High Pressure (Steam) Cleaner   | Any QPL item specified  | MIL-P-15024    |
| <u>First tier (20 of 46 documents)</u> |   |   |                |
| FED-STD-191                            | Textile Test Methods  | Method 5306, abrasion resistance of cloth, rotary platform, double-head (taber) method  | MIL-P-15024    |
| <u>First tier (21 of 46 documents)</u> |   |   |                |
| MIL-P-19834                            | Plates, Identification or Instruction, Metal Foil, Adhesive Backed, General Specification for | Any QPL item  | MIL-P-15024    |

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APPENDIX A

TABLE VI    Required documents and corresponding applicability data - Continued.

| DOCUMENT NUMBER  | DOCUMENT TITLE   | APPLICABILITY  | REFERENCED BY |
|--|--|--|---------------|
| <u>First tier (22 of 46 documents)</u>                           |  |  |               |
| ASTM D 523<br>(Replaces FED-STD-141, Specular Gloss method 6101) | Standard Test Method for Specular Gloss                                      | Entire document  | MIL-P-15024   |
| <u>First tier (23 of 46 documents)</u>                           |  |  |               |
| ASTM G 21<br>(Replaces ASTM D 1924)                              | Standard Practice for Determining Resistance of Polymeric Materials to Fungi | Entire document  | MIL-P-15024   |
| <u>First tier (24 of 46 documents)</u>                           |  |  |               |
| MIL-STD-129  | Marking for Shipment and Storage   | Due to the extensive number of variables associated with packaging, applicable sections of packaging documents cannot be identified prior to acquisition. All packaging requirements of the zero tier document must be met, unless otherwise specified in the contract | MIL-P-15024   |

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APPENDIX A

TABLE VI Required documents and corresponding applicability data - Continued

| DOCUMENT NUMBER:                       | DOCUMENT TITLE              | APPLICABILITY.   | REFERENCED BY |
|--|-----------------------------|--|---------------|
| <u>First tier (25 of 46 documents)</u> |                             |  |               |
| PPP-B-636                              | Boxes, Shipping, Fiberboard | Due to the extensive number of variables associated with packaging, applicable sections of packaging documents cannot be identified prior to acquisition. All packaging requirements of the zero tier document must be met, unless otherwise specified in the contract | MIL-P-15024   |
| <u>First tier (26 of 46 documents)</u> |                             |  |               |
| PPP-T-60                               | Tape, Packaging, Waterproof | Due to the extensive number of variables associated with packaging, applicable sections of packaging documents cannot be identified prior to acquisition. All packaging requirements of the zero tier document must be met, unless otherwise specified in the contract | MIL-P-15024   |

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APPENDIX A

TABLE VI. Required documents and corresponding applicability data - Continued

| DOCUMENT NUMBER:                       | DOCUMENT TITLE             | APPLICABILITY  | REFERENCED BY |
|--|----------------------------|--|---------------|
| <u>First tier (27 of 46 documents)</u> |                            |  |               |
| PPP-T-76                               | Tape, Packaging, Paper     | Due to the extensive number of variables associated with packaging, applicable sections of packaging documents cannot be identified prior to acquisition. All packaging requirements of the zero tier document must be met, unless otherwise specified in the contract | MIL-P-15024   |
| <u>First tier (28 of 46 documents)</u> |                            |  |               |
| PPP-B-566                              | Boxes, Folding, Paperboard | Due to the extensive number of variables associated with packaging, applicable sections of packaging documents cannot be identified prior to acquisition. All packaging requirements of the zero tier document must be met, unless otherwise specified in the contract | MIL-P-15024   |

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TABLE VI. Required documents and corresponding applicability data - Continued

| DOCUMENT NUMBER:                       | DOCUMENT TITLE                                | APPLICABILITY:   | REFERENCED BY: |
|--|---|--|----------------|
| <u>First tier (29 of 46 documents)</u> |   |  |                |
| PPP-B-676                              | Boxes, Setup                                  | Due to the extensive number of variables associated with packaging, applicable sections of packaging documents cannot be identified prior to acquisition. All packaging requirements of the zero tier document must be met, unless otherwise specified in the contract | MIL-P-15024    |
| <u>First tier (30 of 46 documents)</u> |   |  |                |
| PPP-B-665                              | Boxes, Paperboard, Metal Edged and Components | Due to the extensive number of variables associated with packaging, applicable sections of packaging documents cannot be identified prior to acquisition. All packaging requirements of the zero tier document must be met, unless otherwise specified in the contract | MIL-P-15024    |

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APPENDIX A

TABLE VI Required documents and corresponding applicability data - Continued

| DOCUMENT NUMBER                        | DOCUMENT TITLE                      | APPLICABILITY  | REFERENCED BY |
|--|-------------------------------------|--|---------------|
| <u>First tier (31 of 46 documents)</u> |                                     |  |               |
| PPP-B-601                              | Boxes, Wood, Cleated-Plywood        | Due to the extensive number of variables associated with packaging, applicable sections of packaging documents cannot be identified prior to acquisition. All packaging requirements of the zero tier document must be met, unless otherwise specified in the contract | MIL-P-15024   |
| <u>First tier (32 of 46 documents)</u> |                                     |  |               |
| PPP-B-621                              | Boxes, Wood, Nailed and Lock-Corner | Due to the extensive number of variables associated with packaging, applicable sections of packaging documents cannot be identified prior to acquisition. All packaging requirements of the zero tier document must be met, unless otherwise specified in the contract | MIL-P-15024   |



TABLE VI. Required documents and corresponding applicability data - Continued

| DOCUMENT NUMBER:                       | DOCUMENT TITLE  | APPLICABILITY  | REFERENCED BY |
|--|---|--|---------------|
| <u>First tier (33 of 46 documents)</u> |   |  |               |
| PPP-B-585                              | Boxes, Wood, Wirebound                                      | Due to the extensive number of variables associated with packaging, applicable sections of packaging documents cannot be identified prior to acquisition. All packaging requirements of the zero tier document must be met, unless otherwise specified in the contract | MIL-P-15024   |
| <u>First tier (34 of 46 documents)</u> |   |  |               |
| ASTM D 3953<br>(Replaces QQ-S-781)     | Standard Specification for Strapping, Flat Steel, and Seals | Due to the extensive number of variables associated with packaging, applicable sections of packaging documents cannot be identified prior to acquisition. All packaging requirements of the zero tier document must be met, unless otherwise specified in the contract | MIL-P-15024   |
| <u>First tier (35 of 46 documents)</u> |   |  |               |
| MIL-P-116                              | Preservation, Methods of                                    | Due to the extensive number of variables associated with packaging, applicable sections of packaging documents cannot be identified prior to acquisition. All packaging requirements of the zero tier document must be met, unless otherwise specified in the contract | MIL-P-15024   |

MIL-P-15024E

## APPENDIX A

TABLE VI Required documents and corresponding applicability data - Continued

| DOCUMENT NUMBER:                           | DOCUMENT TITLE   | APPLICABILITY.                  | REFERENCED BY. |
|--|--|---------------------------------|----------------|
| First tier (36 through 44 of 46 documents) |  |                                 |                |
| MIL-P-15024/1                              | Plate, Identification Set or Group   | Associated detail specification | MIL-P-15024    |
| MIL-P-15024/2                              | Plate, Identification, Unit or Plug-In Assembly  | Associated detail specification | MIL-P-15024    |
| MIL-P-15024/3                              | Band Identification, Cable   | Associated detail specification | MIL-P-15024    |
| MIL-P-15024/4                              | Plate Identification, Modification   | Associated detail specification | MIL-P-15024    |
| MIL-P-15024/5                              | Plates, Identification   | Associated detail specification | MIL-P-15024    |
| MIL-P-15024/6                              | Plates, Identification, Equipment  | Associated detail specification | MIL-P-15024    |
| MIL-P-15024/7                              | Plate, Tags and Bands, Band Identification, Cable Assembly, Type K1 Aluminum               | Associated detail specification | MIL-P-15024    |
| MIL-P-15024/8                              | Plate, Tags and Bands, Band Identification, Cable Assembly, Type K2, Heat Shrinkage Tubing | Associated detail specification | MIL-P-15024    |
| MIL-P-15024/9                              | Plate, Tags and Bands Aircraft Loading Dataplate   | Associated detail specification | MIL-P-15024    |

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## APPENDIX A

MIL-P-15024E  
APPENDIX A

TABLE VI    Required documents and corresponding applicability data - Continued

| DOCUMENT NUMBER                            | DOCUMENT TITLE                                      | APPLICABILITY                      | REFERENCED BY |
|--|---|------------------------------------|---------------|
| First tier (45 through 46 of 46 documents) |   |                                    |               |
| MIL-P-15024/10                             | Nameplates, Ordalt Plates<br>and Information Plates | Associated detail<br>specification | MIL-P-15024   |
| MIL-P-15024/15                             | Plate, Tags, Hose Assembly<br>Identification        | Associated detail<br>specification | MIL-P-15024   |

## 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.

|  |   |  |
|--|---|--|
| <b>I RECOMMEND A CHANGE:</b>   | <b>1. DOCUMENT NUMBER</b><br>MII-P-15024E   | <b>2. DOCUMENT DATE (YYMMDD)</b><br>93/01/29 |
|  | <b>3. DOCUMENT TITLE</b><br>Plates, Tags, and Bands for Identification of Equipment |  |
| <b>4. NATURE OF CHANGE</b> (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.) |   |  |

**5. REASON FOR RECOMMENDATION**

|   |  |                                   |
|---|--|-----------------------------------|
| <b>6. SUBMITTER</b>   |  |                                   |
| <b>a. NAME</b> (Last, First, Middle Initial)  | <b>b. ORGANIZATION</b>   |                                   |
| <b>c. ADDRESS</b> (Include Zip Code)  | <b>d. TELEPHONE</b> (Include Area Code)<br>(1) Commercial<br>(2) AUTOVON (if applicable)   | <b>7. DATE SUBMITTED</b> (YYMMDD) |
| <b>8. PREPARING ACTIVITY</b>  |  |                                   |
| <b>a. NAME</b> COMMANDING OFFICER, NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION LAKEHURST SYSTEMS REQUIREMENTS DEPARTMENT | <b>b. TELEPHONE</b> (Include Area Code)<br>(1) Commercial<br>(2) AUTOVON   |                                   |
| <b>c. ADDRESS</b> (Include Zip Code)<br>CODE SR3<br>LAKEHURST, NJ 08733-5100  | IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:<br>Defense Quality and Standardization Office<br>5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466<br>Telephone (703) 756-2340 AUTOVON 289-2340 |                                   |