NOT MEASUREMENT SENSITIVE

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SUPERSEDING
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MILITARY SPECIFICATION

BADGE, BADGE CLASP, BAR AND PENDANT, QUALIFICATION, GENERAL SPECIFICATION FOR

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

1. SCOPE

1.1 Scope. This specification covers qualification badges, qualification clasps, qualification bars and qualification pendants for personnel within the Department of Defense (see 6.1).

1.2 Classification. The badges, clasps, bars and pendant covered by this specification shall be as specified on the applicable military specification sheet (see 2.1 and 6.2).

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications, standards, and handbooks. The following specifications, standards and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

SPECIFICATIONS

FEDERAL

NN-P-71 - Pallets, Material Handling Wood Stringer Construction 2-Way and 4-Way (Partial)
PPP-B-566 - Boxes, Folding, Paperboard
PPP-B-636 - Box, Shipping, Fiberboard

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in preparing this document should be addressed to: Director, The Institute of Heraldry, U.S. Army, Cameron Station, Alexandria, VA 22304-5050, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document.

AMSC N/A FSC 8455

PPP-B-676 - Boxes, Setup
PPP-T-45 - Tape, Gummed, Paper, Reinforced and Plain for Sealing and Securing

MILITARY

MIL-F-495 - Finish, Chemical, Black for Copper Base Alloy
MIL-M-3946 - Medals, Campaign and Service, General Specification for
MIL-P-15011 - Pallets, Material Handling, Wood Post Construction, 4-Way Entry
MIL-R-11589 - Ribbons, Awards, General Specification for

STANDARDS

FEDERAL

FED-STD-151 - Metal, Test Methods
FED-STD-595 - Colors Used in Government Procurement

MILITARY

MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-129 - Marking for Shipment and Storage
MIL-STD-147 - Palletized Unit Loads

SPECIFICATION SHEETS

(See supplement 1 for list of associated specifications.)

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

2.1.2 Other Government documents, drawings and publications. The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

COMMERCIAL ITEM DESCRIPTIONS

A-A-1249 - Paper, Wrapping, Tissue

DRAWINGS

THE INSTITUTE OF HERALDRY (TIOH)

B-13-5 - Attaching Devices, Heraldic, Pin and Catch Type
B-13-12 - Attaching Devices, Heraldic, Prong and Clutch Type

TIOH STANDARD CHIP SETS

THE INSTITUTE OF HERALDRY, U.S. ARMY STANDARD HARD ENAMEL COLOR CHIP SET

THE INSTITUTE OF HERALDRY, U.S. ARMY STANDARD EPOXY COLOR CHIP SET

THE INSTITUTE OF HERALDRY, U.S. ARMY STANDARD METAL FINISH CHIP SET

(The standard chip(s) for color or finish may be obtained from the procuring activity for Government procurements.)

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

(Figure 1 and 2 are miniature copies of Institute of Heraldry drawings and are for information only.)

2.2 Non-Government publications. The following documents form a part of this document to the extend 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 issues of the documents cited in the solicitation (see 6.2)

AMERICAN SOCIETY FOR TESTING AND MATERIALS

ASTM-B-86 - Zinc Alloy Die Casting
ASTM-B-487 - Metal and Oxide Coating Thickness by Microscopical Examination of a Cross Section, Measurement of
ASTM-D-2240 - Rubber Property - Durometer Hardness
ASTM-D-3951 - Standard Practice for Commercial Packaging

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

(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 information services.)

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

3. REQUIREMENTS

3.1 Specification sheets. The individual item requirements shall be as specified herein and in accordance with the applicable specification sheets. In the event of any conflict between the requirements of this specification and the specification sheets, the latter shall govern.

3.2 First article. When specified in the contract or purchase order (see 6.2) a sample shall be subjected to first article inspection (see 6.3) in accordance with 4.4.

3.3 Standard sample. Unless otherwise specified (see 6.2), the contracting officer shall furnish a standard sample (see 6.4) which shall be used for matching color and finish only. Detail requirements or any exception applicable to a specific badge, clasp, bar or pendant shall be as specified on the applicable specification sheet. In the event of conflict between the requirement of this specification and a specification sheet, the specification sheet shall govern, except the design as shown on the specification sheet is intended for illustration purposes only. The design is controlled by the Government loaned hub (see 3.8). Variation from this specification may appear in the standard sample; however, in such cases the specification shall govern.

3.4 Materials. Materials shall as specified herein. Recovered material shall be used to the maximum extent possible.

3.4.1 Zinc aluminum alloy. The alloy used for die casting shall conform to alloy AG 40a or AC 41a of ASTM-B-86.

3.4.2 Copper base alloy. The copper base alloy shall be roll polished, free from pits, scale (including red oxide), dents, nicks, cracks, scratches, segregations and foreign inclusions that will not be removed in later processing. When tested as specified in 4.6.1, the chemical composition of the copper base alloy shall be a specified in Table I.

TABLE I. CHEMICAL COMPOSITION

Alloy	Copper	Nickel 1/	Lead (Max)	Iron (Max)	Manganese (Max)	Zinc	Others (Max)
Yellow Brass	64.0 - 68.5	--	0.15	0.05	--	Remainder	0.15
Red Brass	84.0 - 86.0	--	0.05	0.05	--	Remainder	0.15
Gilding Metal	94.0 - 96.0	--	0.03	0.05	--	Remainder	0.13
Bronze	89.0 - 91.0	--	0.05	0.05	--	Remainder	0.13
Nickel Silver	63.0 - 66.5 2/	16.5 - 19.5 3/	0.10	0.25	0.50	Remainder	--
Low Brass	78.5 - 81.5	--	0.05	0.05	--	Remainder	0.15

1/ Cobalt counting as nickel.
2/ Copper content for the nickel silver pin only may be 53.5 to 56.5%
3/ When nickel silver is used as a base material, the nickel content shall be not less than 18%.

3.4.3. Gold for plating. Gold for plating shall be 24 karat.

3.4.4. Nickel for plating. Nickel for plating shall be the nickel normally used in commercial practice.

3.4.5. Silver for plating. Silver for plating shall be not less than 99.5 percent pure silver.

3.4.6 Rhodium for plating. Rhodium for plating shall be the rhodium normally used in commercial practice.

3.4.7 Solder.

3.4.7.1 Soft Solder. Soft solder shall be a lead-tin alloy having a melting point of not less than 375 degrees Fahrenheit (190.58 degrees Celsius).

3.4.7.2 Hard Solder. Hard solder shall be a silver alloy solder having a melting point of not less than 1075 degrees Fahrenheit (561.7 degrees Celsius).

3.4.8 Enamel.

3.4.8.1 Hard enamel. Hard enamel shall be a glass, vitreous type enamel fused with metallic oxides to produce the required color, opacity or translucence, and shade.

3.4.8.2 Epoxy resin (stoning epoxy). Epoxy resin shall be a stoning epoxy pigmented to produce the required color and shade, have a shore D hardness of 85 and incorporate an ultraviolet inhibitor.

3.4.8.3 Soft enamel. Soft enamel shall be a baking enamel pigmented to produce the required color and shade.

3.4.8.4 Baking enamel. The enamel for subdued insignia shall be a flat synthetic, baking enamel pigmented to the specified shade of brown, green or black. The shade shall match the following standards established in FED-STD-595 as follows:

COLOR	CHIP NO.
Brown	20095
Black	37038
Green	34096

3.4.9 Lacquer. Lacquer shall be a pale clear synthetic lacquer. The use of a pigmented lacquer shall not be permitted.

3.5 Design. The embossed design of badges, badge clasps, bars or pendants shall be an exact duplicate of the design on the Government loaned hubs (see 3.8), from which the contractor's working dies shall be extracted. The contractor's working die shall be tooled and polished to remove any dents, nicks, scratches or other imperfections.

3.6 Construction.

3.6.1 Stamping, trimming and piercing. The stamping shall have a well defined die struck edge. The badges, badge clasps, bars or pendants shall be trimmed and, when applicable, pierced to the die struck edge where specified on the applicable specification sheet. All edges shall be clean, smooth and free from burrs, drag, step and rough edges. The stamping, piercing and trimming operations shall not damage or distort the design or alter the shape of the item.

3.6.2 Die casting. When die cast method is applicable, the insignia shall be free from porosity, blow holes or other casting defects. Before finishing, all flash lines shall be removed and the edges of the insignia shall be smooth. Insignia that is die cast from zinc aluminum specified in 3.4.1 shall be copper plated. When tested as specified in 4.6.4.2, the plating shall be a minimum of 0.0003 inch thick (0.007 cm).

3.6.3 Hard soldering and electronic fusion. Unless otherwise specified on the applicable specification, all soldering shall be accomplished using hard solder specified in 3.4.7.2 or by electronic fusion. Joints shall be clean, smooth, strong and free from burned or reduced areas. There shall be no excess solder and all excess flux shall be removed. When hard solder is specified, the soldered parts shall not separate and the prong shall not separate at the joint when tested as specified in 4.6.5.1. When fused joints are used, the prong shall not separate at the joint when tested as specified in 4.6.6.

3.6.4 Soft soldering. When soft solder is specified, soft solder specified in 3.4.4.1 shall be used. When solder is specified for joining a superimposed device to the badge, the soldering shall be accomplished using soft solder specified in 3.4.7.1 and complete contact shall be made between the soldered parts. When tested as specified in 4.6.5.2, the soldered device shall not separate from the item.

3.6.5 Forcers. Unless otherwise specified on the applicable specification sheet, the use of mock forcers shall not be permitted. When mock forcers are permitted, the forcer shall be used only on the areas specified and there shall be no sharp or rough edges or corners. The impression of the forcers shall be regular and symmetrical upon the back of the item and sufficient metal shall be left to insure clean smooth trimming.

3.6.6 Attaching device. Attaching devices shall be as specified on the applicable specification sheet.

3.6.6.1 Prong and clutch type. Prongs shall be made from nickel silver specified in 3.4.2. Unless otherwise specified on the applicable specification sheet, the prongs as shown on drawing B-13-12 (Figure 2) shall be 5/16 inch ± 1/64 inch (0.79 cm ± 0.04 cm) long. The prongs shall be hard soldered or electronically fused in the locations specified in the applicable specification sheet. Clutches as shown on drawing B-13-12 (Figure 2) shall be made from any type brass. When tested as specified in 4.6.11, it shall not be possible to remove the clutch from the prong without first depressing the release wings. When prongs are die cast as an integral part of the insignia and tested in accordance with 4.6.4.1, no evidence of breaking or cracking shall occur.

3.6.6.2 Pin and catch type. Pin and catch type attaching devices shall conform to drawing B-13-5 (Figure 1) and, except as otherwise specified on the applicable specification sheet, shall be made from nickel silver. The joint and catch shall be soldered or electronically fused to the back of the item. The rotor of the catch shall remain well seated, have a close sliding fit and the joint shall remain firmly closed. The pin shall extend not less than 1/32 inch (0.08 cm) beyond the rotor of the catch and not more than 1/32 (0.08 cm) beyond the catch. When tested as specified in 4.6.10, the pin, joint and catch shall show no indication of looseness.

3.6.6.3 Prong with flat ball type clutch. When a prong with flat ball type clutch is specified, the attaching device shall conform to details and dimensions of drawing B-13-12 (Figure 2). When tested as specified in 4.6.11, it shall not be possible to remove the clutch by hand without first pulling out on the back. Nickel plated flat ball clutches shall be used on badges having a silver plated finish and red brass flat ball clutches shall be used on brass or gold plated badges.

3.6.6.4 Jump rings and suspension links. Unless otherwise specified on the applicable specification sheet, jump rings and suspension links shall be fabricated from 0.040 inch + 0.005 inch - 0.003 inch (0.101 cm + 0.012 cm - 0.007 cm) diameter wire of the same material as the basic badge or badge clasps. The rings and suspension links shall be oval, 0.220 inch + 0.020 inch - 0 (0.559 cm + 0.050 cm - 0) in length by 0.180 inch + 0.020 inch - 0 (0.457 cm + 0.050 cm - 0) in width. The ends of the rings and links may be straight or bias cut but shall be aligned and together.

3.6.6.5 Lugs. Unless otherwise specified on the applicable specification sheet, all lugs shall have an outside diameter of 0.125 inch $\pm$ 0.005 inch (0.318 cm $\pm$ 0.012 cm). The distance on centers shall be as specified on the applicable specification sheet. Unless otherwise specified, all lugs shall be an integral part of the item. At the option of the manufacturer, the lug may be cut into the working die or may be formed from salvage during the trimming operation.

3.7 Finish. Unless otherwise specified, the front and edges (surfaces visible from the front) shall be finished as specified on the applicable specification sheet and shall match the color and finish of the standard sample (see 3.3) or the standard TIOH standard color and finish chips as required (see 2.1.2). Where plating or oxidizing is specified, the entire item (front, back, and edges) except for the attaching devices shall be plated or oxidized as applicable. The finish on the backs of gold plated items shall match the standard sample. Unless otherwise specified on the applicable specification sheet, the backs of all oxidized items shall be clean, i.e., uniformly oxidized. In addition to the finish specified on the specification sheets, all unplated brass and silver plated items shall be completely coated with lacquer specified in 3.4.9. Unless otherwise specified on the applicable specification sheet, jump rings and suspension links shall have the same finish as the pendant, badge clasp, or suspension bar to which it is attached.

3.7.1. Pebbling. All pebbling shall be distinctly and evenly grained in the areas specified. When pebbling is specified and is not in the government furnished hub, it shall be added to the contractor's working die in the areas indicated on the applicable specification sheet.

3.7.2 Enameling. Unless otherwise specified on the applicable specification sheet, all enameling shall be accomplished using hard enamel specified in 3.4.8.1 or epoxy resin specified in 3.4.8.2. Enamel shall be applied so as to be uniform in color, free from bubbles, foreign inclusions, cracking, crazing, or other defects which might affect appearance. There shall be no overrunning of enamel.

3.7.2.1 Colors. Enamel or epoxy colors shall match the shades of the Institute of Heraldry color chips specified on the applicable specification sheet or shall match the standard sample (See 3.3). The chip numbers specified are from the The Institute of Heraldry, U.S. Army color chip set (See 2.1.2).

3.7.2.2 Hard enameling. Hard enamel specified in 3.4.8.1 shall be charged, fired, and unless otherwise specified, stoned level with the dikes. No design elements shall be removed during the stoning process. There shall be no noticeable burn spots as a result of the firing. The hard enamel shall then be lapped, felted, or wheel polished to produce a glass like finish. The finish shall be adherent and free from bubbles, pits, foreign inclusions, cracking, crazing, burned edges or darkened enamel.

3.7.2.3 Epoxy Resin. Epoxy resin specified in 3.4.8.2 shall be applied, and unless otherwise specified, stoned level with the dikes. No design elements shall be removed during the stoning process. The epoxy resin shall then be lapped, felted, or wheel polished to produce a glass like finish. When tested as specified in 4.6.7, the epoxy shall have a shore D hardness of not less than 85.

3.7.2.4 Soft enameling. Soft enamel shall be as specified in 3.4.8.3. When tested as specified in 4.6.8, no color shall be transferred to the cotton and the enameled surface shall remain unaffected except for a slight loss of luster.

3.7.2.5 Baking enamel. When subdued insignia is required, the face and edges of all subdued insignia shall be coated with enamel specified in 3.4.8.4. Prior to enameling, the entire insignia shall be given a black chemical finish conforming to MIL-F-495. When tested as specified in 4.6.9, the baked enamel shall not flake or chip. When tested as specified in 4.6.8, only a slight amount of color shall be permitted to transfer to the cotton.

3.7.3 Plating. All plating shall be by electroplating methods. The plating shall be continuous and unbroken over the entire plated surface. There shall be no cut-through, shaded, peeled, or blistered plating. Plating of attaching devices will not be required.

3.7.3.1 Gold plating. The gold plating shall be accomplished using gold specified in 3.4.3. Prior to plating, all surfaces shall be cleaned of all matter that may affect the gold plating. The use of nickel as an undercoating for gold shall not be permitted unless otherwise specified. When tested as specified in 4.6.2, no visible chemical reaction shall appear such as evolution of gases.

3.7.3.2 Nickel plating. Nickel for plating shall be not less than 0.0003 inch (0.0008 cm) thick. Testing shall be standard commercial. In case of a dispute, testing shall be in accordance with ASTM-B-487.

3.7.3.3 Nickel underplating. When nickel underplating is specified on the applicable specification sheet, the underplating shall be not less than 0.00025 inch (0.000635 cm) thick. Testing shall be standard commercial. In case of a dispute, testing shall be in accordance with ASTM-B-487.

3.7.3.4 Silver plating. When silver plating is specified, silver specified in 3.4.5 shall be used for plating. After finishing, the silver plating shall be not less than 0.0003 inch (0.0008 cm) thick. Testing shall be standard commercial. Items made of brass shall be silver thickness tested on the obverse side. In case of a dispute, testing shall be conducted in accordance with ASTM-B-487.

3.7.3.5 Rhodium plating. When tested as specified in 4.6.2 or 4.6.3, no chemical reaction shall occur. When rhodium plating is required over brass, nickel underplating specified in 3.7.3.3 shall be required.

3.7.4 Lacquering. The front, back and edges of all brass, gilding metal, silver or silver plated badges shall be coated with clear lacquer specified in 3.4.9. Gold plated and rhodium plated badges may be coated with clear lacquer at the option of the manufacturer. The lacquer film shall be continuous, level, adherent and free from lint, dust and other foreign matter. When tested as specified in 4.6.12.1, there shall be no change in the appearance of the clear lacquer surface except a slight overall yellowing of the highlights. When tested as specified in 4.6.12.2, the tissue paper shall not adhere to the clear lacquered surface.

3.8 Government loaned property. Hubs will be loaned by the Government and shall be used to make the contractor's working dies necessary for one contract or order (see 3.5).

3.9 Marking for identification. The contractor shall stamp his trade or other identifying mark, the letters "GI" (GI for government procurement only) legibly and inconspicuously on the back of each item. When practical, the items will be stamped in the forced areas.

3.10 Workmanship. The finished item shall be clean, well made, and shall conform to the acceptable quality levels established by this specification.

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 assure supplies and services conform to the prescribed requirements.

4.1.1 Responsibility for compliance. All items shall meet all requirements of sections 3 and 5. The inspections 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 inspections. The inspection requirements specified herein are classified as follows:

a. First article inspection (see 4.4).

b. Quality conformance inspection (see 4.5).

4.3 Inspection conditions. Unless otherwise specified, all inspection shall be performed in accordance with the test conditions specified in 4.5 and 4.6.

4.4 First article inspection. Inspection and testing of the first article (see 3.2) shall be made of a completely finished item for all provisions of this specification applicable to the end product examination and tests.

4.5 Quality conformance inspection. Inspection shall be in accordance with the provisions set forth in MIL-STD-105, except where otherwise indicated (see 6.3).

4.5.1 Inspection of components.

4.5.1.1 Testing of components. In addition to the quality assurance provisions of the subsidiary specifications and drawings, inspection shall be performed on components and materials listed in Table II for the test characteristics shown therein. The inspection level shall be S-1 and the requirements shall be applicable to the lot average.

Table II. TESTING OF COMPONENTS

Component and lot expressed in terms of	Charac-teristic	Rqm't Para	Test Method	Rqm't applicable to lot average	#determ per sample unit	Results Reported as	Sample Unit
Copper base alloy (1 lb) as applicable	Chemical composition	3.4.2	4.6.1	X	2 com-posite	Nearest 0.1% for each element	4 oz of compo-site
Gold used for plating (1 oz.)	Karat	3.4.3	Standard Comm'l	X	2 com-posite	Nearest 0.1%	1/2 oz.
Silver for plating	Fineness	3.4.5	Standard Comm'l	X	2 com-posite	Nearest 0.1%	1 oz.

4.5.1.1.1 Certification of compliance. Materials listed below may be accepted on the basis of the contractor's certificate of compliance for requirements specified in applicable paragraphs of this specification.

COMPONENTS	CHARACTERISTICS	ROM'T PARA
Zinc aluminum alloy	Material identification	3.4.1
Copper base alloy	Material identification	3.4.2
Gold for plating	Material identification and karat	3.4.3
	Nickel not used as undercoating	3.7.3.1
Nickel for plating	Material identification	3.4.4
Silver for plating	Material identification and fineness	3.4.5
Rhodium for plating	Material identification	3.4.6
Soft solder	Material identification	3.4.7.1
Hard solder	Material identification	3.4.7.2
Hard enamel	Material identification	3.4.8.1
Epoxy resin	Material identification	3.4.8.2
Soft enamel	Material identification	3.4.8.3

Baking enamel	Material identification	3.4.8.4
Lacquer	Material identification	3.4.9

4.5.1.2 In-process inspection. Inspection shall be made at any point or during any phase of the manufacturing process to determine whether operation or assemblies are accomplished as specified. The Government reserves the right to exclude from consideration for acceptance any material for which in-process inspection has indicated nonconformance. In-process inspection shall be conducted to see that accomplished of the following is in accordance with the specification requirements.

REQUIREMENT, OPERATION OR ASSEMBLY	CHARACTERISTICS	ROM'T PARA
Soldering	Use of soft solder	3.4.7.1
	Use of hard solder	3.4.7.2
Black chemical finish	Used as a base	3.7.2.5
Nickel plating	Used as an underplating	3.7.3.3

4.5.2 Inspection of the end item.

4.5.2.1 Visual examination of badges, pendants, badge clasps, and bars. Examination shall be made at a distance of approximately 16 to 18 inches with illumination equal to average daylight and arranged so as to avoid as much reflected light as possible. The defects found during examination shall be classified in accordance with 4.5.2.1.1. The lots shall be inspected in accordance with 4.5.2.1.3. The unit of product for the examinations in 4.5.2.1.1 shall be one completely finished badge, pendant, badge clasp or bar.

4.5.2.1.1 Examination of badges, pendants, badge clasps and bars for defects in finish, design, material, construction, workmanship, and marking. Defects designated by an asterisk (*) shall be classified as major when seriously affecting appearance or serviceability and minor when affecting appearance or serviceability but not seriously.

TABLE III. DEFECTS

EXAMINE	DEFECT	CLASSIFICATION Major	(*)	Minor
FRONT:				
Color and finish	Poor match to the standard or approved sample.....	x	-	-
	Does not match the standard or approved sample as follows:			
	The oxidized finish, when required, has not been sufficiently relieved, or has been excessively relieved.....	-	*	-
	Is not highlighted to the same extent as the standard or approved sample.....	-	*	-
	Foreign matter embedded.....	-	*	-
	Background or recessed areas are not finished as specified, i.e., are not pebbled when required.....	x	-	-

TABLE III. DEFECTS (Continued)

EXAMINE	DEFECT	CLASSIFICATION Major	(*)	Minor
	Pebbling (when required) is not finely and evenly grained	-	*	-
	Jump rings and suspension links as applicable are not finished as specified	-	*	-
	Surface contains pits, scale, nick, scratch, crack, machine mark, pin hole, rupture, segregation or other blemish	-	*	-
	Discoloration, spot, stain or speck affecting appearance	-	-	*
	Buff drag, blushed, or cloudy finish	-	*	-
	Discolored, i.e., spot, stain, or speck	-	*	-
	Not clean	-	*	-
Enamel	Not enameled (when required)	x	-	-
	Enamel not contained within the prescribed outline of the design	x	-	-
	Wrong color	x	-	-
	Wrong shade	x	-	-
	Cracked, chipped, or crazed	-	*	-
	Bubbles, lumps, or foreign inclusion	-	*	-
	Not stoned smooth (when required), e.g., is coarse or uneven	-	*	-
	Not level with the dikes, e.g., contains high or low spots	-	*	-
	Hole or blister	-	*	-
	Laps, overruns, skips or buff drags	-	*	-
	Fish scale, burn off, scale specking, discoloration, scumming or lack of gloss	-	*	-
BACK AND EDGES:				
Color and finish	Surface contains pits, scale, nick, scratch, crack, machine mark, pin hole, rupture, segregation or other blemish	-	-	x
	Foreign matter embedded	-	-	x
	Discoloration, spot, or stain affecting appearance	-	-	x
	Buff drag, blushed, or cloudy finish	-	-	x
	Discolored, i.e., spot, stain, or speck	-	*	-
	Not clean	-	*	-
GENERAL:				
Construction	Metal marks on exposed surface, such as nick, dent, dig, gouge or scratch	-	*	-
	Not trimmed to die-struck edge	-	*	-
	Design or shape altered by piercing	-	*	-
	Any sharp or rough edge, burr, drag or step	-	*	-

TABLE III. DEFECTS (Continued)

EXAMINE	DEFECT	CLASSIFICATION Major	(*)	Minor
	Any component (including jump rings and suspension bar balls) missing, twisted, bent out of shape, malformed or deformed.....	x	-	-
	Not connected or joined as specified, or operation is poorly accomplished, i.e., ends of jump rings not closed (when required) or not in alignment.....	-	*	-
	Dike or letter distorted.....	x	-	-
	Not pierced where required.....	x	-	-
	Piercing not clean and smooth, i.e., any burrs, cutter drill, or file marks.....	-	*	-
	Any solder spatter on front, exposed, or concealed by plating.....	x	-	-
	Any area burned or reduced in soldering.....	-	*	-
	Incorrect type of solder used.....	x	-	-
	Surface or edge not clean, not smooth or not free from burrs, roughness, drag, step or tool marks.....	-	*	-
	Metal marks on exposed surface, such as nick, dent, dig, gouge or scratch.....	-	*	-
	Superimposed design, when applicable, not centered or not positioned on badge as required.....	-	*	-
	Superimposed design is not securely riveted to badge (when applicable), i.e., rivet is loose, poorly or insufficiently peened or swaged.....	x	-	-
	Riveted design is not closely fitted to the badge.....	-	*	-
Plating	Not plated (when required).....	x	-	-
	Not type specified.....	x	-	-
	Plating is not smooth, continuous or adherent	x	-	-
	Cut through or porous, pitted or crystallized	x	-	-
Lacquer	Not lacquered when required.....	x	-	-
	Areas of no lacquer.....	-	*	-
	Lacquer forms noticeable runs or sharp coarse particles.....	-	*	-
	Foreign matter embedded in finish, i.e., lint, dust, etc.....	-	*	-
	Hazy, rainbow effect, cloudy, or powdering...	-	*	-
	Not smooth, continuous or adherent, i.e., flaking, blistering, or peeling.....	-	*	-
	Not set to touch, i.e., tacky when gentle pressure is applied to coating.....	-	-	x
Design	Details altered, does not conform to Government hub, drawing, or standard sample.....	x	-	-

TABLE III. DEFECTS (Continued)

EXAMINE	DEFECT	CLASSIFICATION Major	(*)	Minor
	Any detail struck over resulting in double impression	x	-	-
	Any warp, twist, or distortion producing irregular surface contour or outline	-	*	-
	Any significant detail not clear, marred, missing, reduced or obliterated, i.e., does not compare favorably with approved sample	-	*	-
	Any area not pierced as indicated by drawing or approved sample	x	-	-
	Lugs not of specified design and type	x	-	-
	Design not as specified	x	-	-
Material	Jump rings and suspension links (unless otherwise specified) are not made from wire of the same material as the bar, pendant, badge, or clasp to which assembled	x	-	-
Quality of metal	Surface pitted, porous, crystalline, spotted, or opened grained	x	-	-
Cleanness	Spatter or discoloration on edge, less than 3/32 inch (0.24 cm) in length clearly noticeable	-	*	-
	Spatter or discoloration on edge 3/32 inch (0.24 cm) or more in length	x	-	-
Fastening device	Fastening device not specified type, size, or material	x	-	-
	Any component missing	x	-	-
	Defective, i.e., any part damaged or malformed affecting use	-	*	-
	Not positioned as specified, or components are off center by 1/8 inch (0.32 cm) or more	-	*	-
	Pin protrudes less than 1/32 inch (0.08 cm) beyond the safety catch	x	-	-
	Pin protrudes more than 1/32 inch (0.08 cm) beyond the safety catch	-	-	x
	Pin bent or blunted affecting use	-	*	-
	Clutch will not engage prong, or is loose fit	x	-	-
	Prong is loose	x	-	-
	Prong is bent out of shape, or is otherwise impaired	-	*	-
Workmanship	Forcer used in other than specified location. Impression of forcer is not symmetrical upon	x	-	-

TABLE III. DEFECTS (Continued)

EXAMINE	DEFECT	CLASSIFICATION Major	(*)	Minor
	the back.....	-	*	-
	Back not flat or smooth when required.....	-	-	x
	Edges of forced area are not clean and smooth	-	-	x
	Any sharp or rough edge, burr, drag, or step.	-	*	-
	Component parts are not completely joined by solder.....	-	*	-
	Any area burned or reduced in soldering or acid cleaning.....	-	*	-
	Any solder spatter exceeding 3/16 inch (0.48 cm) in maximum dimension.....	-	*	-
	Flux or excess solder not removed.....	-	-	x
	Not connected or joined as specified or operation is poorly accomplished.....	-	*	-
Identification	Missing, incorrect, illegible, misspelled, not accomplished as specified, or not placed as required.....	-	-	x

4.5.2.1.2 Examination of badges, pendants, badge clasps, and bars for defects in dimensions. Any dimension which is not within the specified tolerance shall be classified as a defect.

4.5.2.1.3 Inspection levels and acceptable quality levels (AQL's). The inspection levels and the acceptable quality levels (AQL's) expressed in defects per hundred units shall be as follows:

	Inspection Level	AQL Major	AQL Total
For examinations applicable to 4.5.3.1.1	II	2.50	10.0
For examinations applicable to 4.5.3.1.2	S-1	(one class)	2.5

4.5.2.2 End item testing. Testing of the completely fabricated badges, pendants, badge clasp and bar shall be performed in accordance with Table IV for the characteristics shown therein. The sample unit for the test for hard soldered or fused joints shall be one unit. The inspection level shall be S-2 and the AQL shall be 6.5 for hard soldered or fused prongs. All items shall be tested and one defect will be scored regardless of how many prongs on that item failed. The sample unit for all other applicable end item tests shall be four. For other than the test for fused prongs, the requirements shall be applicable to the individual unit. The inspection level shall be S-1 and the AQL shall be 2.5.

TABLE IV. TESTING OF END ITEM

Characteristic	Requirement Paragraph	Test Method	# determ Per Sample /Unit	Results Reported as
Test for copper base alloy	3.4.2	4.6.1	1	Pass or Fail
Test for fused joints	3.6.3	4.6.6	1	Pass or Fail
Tests for soldering:				
Hard soldered joints	3.6.3	4.6.5.1	1	Pass or Fail
Soft solder	3.6.4	4.6.5.2	1	Pass or Fail
Test for attaching devices:				
Integral prong	3.6.6.1	4.6.4.1	1	Pass or Fail
Prong and clutch	3.6.6.1	4.6.11	1	Pass or Fail
Pin joint and catch	3.6.6.2	4.6.10	1	Pass or Fail
Test for fused joints:				
Prongs	3.6.6.1	4.6.6	1 1/	Pass or Fail
Pin joint and catch	3.6.6.2	4.6.10	1	Pass or Fail
Tests for enamels:				
Epoxy resin	3.7.2.3	4.6.7	1	Pass or Fail
Soft enamel	3.7.2.4	4.6.8	1	Pass or Fail
Baking enamel	3.7.2.5	4.6.8 and 4.6.9	1	Pass or Fail
Scratch test for baked enamel	3.7.2.5	4.6.9	1	Pass or Fail
Tests for plating				
Nickel plating	3.7.3.2	STD comm'l	1	Pass or Fail
Nickel plating thickness	3.7.3.2	STD comm'l	1	Pass or Fail
Nickel underplating	3.7.3.3	STD comm'l	1	Pass or Fail
Silver plating thickness	3.7.3.4	STD comm'l	1	Pass or Fail
Copper underplating	3.6.2	4.6.4.2	1	Pass or Fail
Acid test:				
Rhodium	3.7.3.5	4.6.2	1	Pass or Fail
Gold plating	3.7.3.1	4.6.2	1	Pass or Fail
Tests for lacquer:				
Liver of sulfur	3.7.4	4.6.12.1	1	Pass or Fail
Tackiness test	3.7.4	4.6.12.2	1	Pass of Fail

1/ All prongs each badge.

4.5.3 Examination for count of badges, badge clasps, bars, and pendants for intermediate containers. Badges, badge clasps, bars and pendants packaged for shipment shall be examined to determine conformance with package markings and

specified quantity. The sample unit for this examination shall be one box (intermediate containers). Any box containing less than the specified or marked quantity of badges, badge clasps, bars and pendants shall be classified as a defect. The inspection level shall be S-2 and the AQL shall be 4.0 defects per hundred units. The lot size shall be the number of intermediate containers.

4.5.4 Examination of preparation for delivery requirements. An examination shall be made to determine that packaging, packing and marking requirements of Section 5 of this specification are complied with. Defects shall be scored in accordance with the list below. The sample unit shall be one shipping container fully prepared for delivery with the exception that it need not be sealed. Defects of closure listed below shall be examined on shipping containers fully prepared for delivery. The lot size shall be the number of shipping containers in the end item inspection lot. The inspection level shall be S-2 and the AQL shall be 4.0 defects per hundred units.

EXAMINE	DEFECT
Marking (exterior and interior)	Omitted, incorrect, illegible, or improper size, location, sequence or method of application.
Materials	Any component missing. Any component damaged affecting serviceability.
Workmanship	Inadequate application of components such as incomplete closure of envelops or container flaps, insecure seating of fastening device, tissue wrapping incomplete, voids inadequately filled, bulging or distortion of containers, loose strapping or taping, inadequate strapping.
Contents	Number of intermediate packages is more or less than required.
Weight	Net weight exceeds requirements.

4.5.5 Palletization examination. An examination shall be made to determine that the palletization is in compliance with the Section 5 requirements. Defects shall be one palletized unit load fully packaged. The lot size shall be the number of palletized unit loads in the inspection lot. The inspection level shall be S-1 and the acceptable quality level (AQL) shall be 6.5 expressed in terms of defects per hundred units.

EXAMINE	DEFECT
Finished dimensions	Length, width, or height exceeds specified maximum requirements.
Palletization	Pallet pattern not as specified. Interlocking of loads not as specified. Load not bonded with required straps as specified.
Weight	Exceeds maximum load limits
Marking	Omitted; incorrect; illegible; of improper size, location, sequence, or method of application.

4.6 Tests.

4.6.1 Chemical composition test for copper base alloy. Chemical composition shall be determined in accordance with Test Method 111 of FED-STD-151. Results shall be evaluated to determine compliance with the requirements specified in 3.4.2.

4.6.2 Acid test for gold and rhodium plating. The test acid shall be applied as follows: Place a drop of acid of not less than 1/16 inch (0.16 cm) in diameter on three (3) different spots on the plated surface allowing the drops to remain for not less than one (1) minute during which time the surface of the item shall be inspected to determine compliance with the requirements in 3.7.3.1 and 3.7.3.5. A minimum of two spots must withstand the acid test. The test acid shall be applied at room temperature (60 to 80 degrees Fahrenheit or 15.6 to 26.7 degrees Celsius) and shall consist of a solution containing 50 percent by volume of chemically pure nitric acid (specific gravity 1.42) and an equal volume of distilled water. If the test insignia has been lacquered, the lacquer shall be removed prior to testing.

4.6.3 Continuity of rhodium plating. The unlacquered rhodium plated item shall be tested by immersion in a solution of liver of sulfur (2% potassium sulfide and 98% water, by weight at a temperature of 100 degree Fahrenheit ± 10 degree Fahrenheit (37.8 degrees Celsius ± 12.8 degrees Celsius) for a period of one (1) minute. Upon removal, the item shall be washed, cleaned and examined for compliance with 3.7.3.5.

4.6.4 Test of Die Casting.

4.6.4.1 Test for integral prongs. Insignia to be tested shall be placed in a jig which allows no movement of the insignia and position prongs at a 30 degree angle above the horizontal. A vertical 10 pound load shall be applied to the top third of each prong. The prongs shall be examined to determine compliance with 3.6.6.1.

4.6.4.2 Direct micro thickness test for copper plating. Copper plating thickness shall be determined in accordance with method 521 of FED-STD-151. Results shall be evaluated to determine compliance with 3.6.2.

4.6.5 Test for soldered joints.

4.6.5.1 Hard solder. Hard soldered items shall be placed in an oven maintained at 1075 degrees Fahrenheit ± 5 degrees Fahrenheit (561.7 degrees Celsius ± 2.78 degrees Celsius) for 15 minutes. While at this temperature the item shall be lifted by the attaching device and shall be inspected to determine compliance with the requirements specified in 3.6.3.

4.6.5.2 Soft solder. Soft soldered items shall be placed in an oven maintained at 365 degree Fahrenheit ± 5 degrees Fahrenheit (184.98 degrees Celsius ± 2.78 degrees Celsius) for 15 minutes. While at this temperature the item shall be lifted by the superimposed design and shall be inspected to determine compliance with the requirements specified in 3.6.4.

4.6.6 Test for electronically fused joints. Item to be tested shall be anchored on a horizontal surface. All prongs on each end item shall be grasped at least 1/3 its length above the fused joint and bent through an angle of 90 degrees (45 degrees to each side of the vertical) until the prong breaks. The fused joint shall then be examined to determine compliance with 3.6.3. A bending tool in the form of a 45 degree template may be used for this test provided the prong is gripped at least 1/3 its length above the fused joint.

4.6.7 Test for shore hardness of epoxy resin. Shore hardness shall be determined in accordance with ASTM-D-2240. Results shall be evaluated to determine compliance with the requirements of 3.7.2.3.

4.6.8 Acetone test for soft or baked enamel. The enameled surface shall be wiped five times with a piece of cotton saturated with acetone. The cotton and enamel shall then be examined to determine compliance with 3.7.2.4 or 3.7.2.5 as applicable.

4.6.9 Test for baked enamel. Draw a knife edge across the face side of the specimen making four parallel scores 1/16 inch (0.16 cm) apart. Repeat this process drawing the knife edge this time perpendicular to the previously scored lines, making small blocks in the finish. The finish shall then be examined to determine compliance with 3.7.2.5.

4.6.10 Test for pins, joints and safety catches. Safety catches and pins shall be opened and closed ten times, after which the pins, joints and safety catches shall be inspected to determine compliance with the requirements specified in 3.6.6.2.

4.6.11 Test for clutch type attaching device. The clutches shall be removed and replaced ten times from the prong using the clutch release wings. An attempt shall then be made to remove the clutch by hand without first depressing the release wings or pulling out on the back. An inspection shall be made at this time of the clutch and prong or ball clutch and prong to determine compliance with the requirements specified in 3.6.6.1 or 3.6.6.3.

4.6.12 Test for lacquer.

4.6.12.1 Liver of sulfur test. Items to be tested shall be immersed in a 2 percent by weight chemically pure liver of sulfur (potassium sulfide) water solution at a temperature of 100 degrees Fahrenheit ± 10 degrees Fahrenheit (37.8 degrees Celsius ± 5.5 degrees Celsius) for a period of 3 minutes. The item shall then be removed and rinsed in warm, then cold, then hot water. The item shall be wiped gently with an absorbent cellulose material or whirled to remove residual moisture, allowed to dry at room temperature 60 to 80 degrees Fahrenheit (15.6 to 26.7 degrees Celsius) for one (1) hour and then be examined to determined compliance with 3.7.4.

4.6.12.2 Tackiness test. At room temperature 60 to 80 degrees Fahrenheit (15.6 to 26.7 degrees Celsius), press a piece of tissue paper against the lacquered surface for 15 seconds, using any pressure capable of being exerted between thumb and two fingers, after which the pressure shall be released and the item inspected to determine compliance with 3.7.4.

5. PACKAGING

5.1 Preservation. Preservation shall be Level C or Commercial, as specified (see 6.2).

5.1.1 Level C.

5.1.1.1 Unit packaging.

5.1.1.1.1 Qualification badges. Unless otherwise specified on the applicable specification sheet, individual insignia shall be mounted on a box pad, completely wrapped with less than three thickness of tissue paper conforming to Type I of A-A-1249 with the ends of the wrap folded back to prevent unwrapping or heat sealed in a snug-fitting transparent polyethylene film 0.002 inch (0.005 cm) minimum thickness. One qualification badge shall be mounted with its respective attaching device on a white sulfide board card having a minimum thickness of 0.011 inch (0.028 cm). Each mounted badge shall then be packaged in a snug-fitting transparent polyethylene film bag. The polyethylene film shall be a minimum of 0.0015 inch (0.0003 cm) thick and all seams and closures shall be effected by heat sealing. Prior to or during the heat sealing operation, excess air within the bag shall be expelled. The expert infantryman, combat infantryman, missile man, combat crewman, and Navy and Marine corps senior parachutist badge shall be mounted on a card 3-1/4 inch (8.26 cm) in length by 1-1/2 inches (3.81 cm) in width. The Marine Corps basic pistol and rifle badges shall be mounted on a card 2-1/4 inch (5.72 cm) square. All other badges shall be mounted on cards 2 inches (5.08 cm) square.

5.1.1.1.2 Qualification pendant and bars. Each pendant or bar shall be completely wrapped in not less than three thicknesses of tissue paper conforming to Type I of A-A-1249.

5.1.1.1.3 Qualification pendants with bars or ribbon drape and badge clasps assembled. Each assembled unit shall be mounted on a chipboard pad covered on one side with cobalt blue colored plush or suede finish and measuring 2-15/16 inches (7.46 cm) by 2-1/16 inches (2.70 cm) and not less than 0.030 inch (0.076 cm) thick. The pad shall be slotted to securely seat the fastening device with the badge unit centered on the pad. Each card-mounted unit shall be completely enclosed in a wrap of not less than three thicknesses of tissue paper conforming the Type I of A-A-1249 or packaged in a snug-fitting transparent polyethylene film bag. The polyethylene bag shall be a minimum of 0.0015 inch (0.004 cm) thick and all seams and closures shall be effected by heat sealing. Each badge, so prepared, shall be packaged in a full telescope setup paperboard box. The entire box, except the inside bottom, shall be covered with cobalt blue colored embossed paper and shall have inside dimensions measuring 3 inches (7.62 cm) in length, 2-1/8 inches (5.40 cm) in width, and 1/2 inch (1.27 cm) in depth.

5.1.1.2 Intermediate packaging.

5.1.1.2.1 Qualification badges. One hundred qualification badges of one type only, prepared as specified in 5.1.1.1.1 shall be placed in a setup paperboard box conforming to Type I, Variety 1, Class A, Style 4 of PPP-B-676, or in a folding paperboard box conforming to Style III, Type G, Class 1 of PPP-B-566. Unit packages shall be stacked on end, face to face and back to back to fill the container. Inside dimensions of each size paperboard box required shall be determined by the contractor. Any void occurring within the box shall be filled with crumpled tissue paper or other similar cushioning materials to prevent the shifting of contents. Box closure shall be secured with 2-inch (5.08 cm) minimum width gummed paper tape conforming to Type III of PPP-T-45 applied at the center of the length opening and extending along the bottom and up the sides at least 3 inches (7.62 cm).

5.1.1.2.2 Qualification pendants and bars. One hundred pendants or bars of one type and style only shall be packaged in a setup paperboard box conforming to Type I, Variety 1, Class A, Style 4 of PPP-B-676. Inside dimensions of the paperboard box shall be 6-1/4 inches (15.88 cm) in length, 4-3/4 inches (12.07 cm) in width, and

1-3/4 inches (4.45 cm) in depth. Any voids occurring within the box shall be filled with crumpled tissue paper or similar cushioning material to prevent shifting of the contents. Box closure shall be secured with 2 inch (5.08 cm) minimum width gummed paper tape conforming to Type III of PPP-T-45 applied at the center of the length opening and extending along the bottom and up the sides at least one inch (2.54 cm).

5.1.1.2.3 Qualification badges clasps. Fifty badge clasps of one type only shall be wrapped in bulk in three sheets of tissue paper conforming to Type I of A-A-1249 and placed in an end opening style kraft paper envelope having a basis weight of 28 pounds per ream (17 by 22-500). Each envelope shall have the gummed flap, clasp, or string and button secured to prevent escape of contents. Six filled and closed envelopes of one type only shall be packaged in a setup paperboard box conforming to Type I, Variety 1, Class A, Style 4 of PPP-B-676. Inside dimensions of the paperboard box shall be 4-3/4 inches (12.07 cm) in length, 4-1/8 inches (10.48 cm) in width, and 1-1/2 inches (in depth. Box closure shall be secured with 2-inch (5.08 cm) minimum width gummed paper tape conforming to Type III of PPP-T-45 applied at the center of the length opening and extending along the bottom and up the sides to at least 2 inches (5.08 cm).

5.1.2 Commercial. Badge, badge clasp, bar, and pendant shall be preserved in accordance with the applicable requirements of ASTM-D-3951.

5.2 Packing. Packing shall be Level C or Commercial as specified (see 6.2).

5.2.2 Level C. Badges, pendants, bars, clasps or assembled units of one type only, packaged as specified in 5.1 shall be packed in a snug-fitting fiberboard shipping container conforming to class domestic, Grade 275 of PPP-B-636. Closure shall be in accordance with the appendix of the container specification.

5.2.3 Commercial. Badge, badge clasps, bar and pendant shall be preserved in accordance with the applicable requirements of ASTM-D-3951.

5.3 Palletization. Unitized loads, commensurate with the level of packing specified in the contract or order, shall be palletized on a 4-way entry pallet in accordance with load Type 1A of MIL-STD-147. Each prepared load shall be bonded with primary and secondary straps in accordance with bonding means C, K and L or O or P. Pallet pattern shall be in accordance with the appendix of MIL-STD-147. The pallet shall be 4-way, Type I, Class 1, Style 1, Size A, Wood Group I, II, III or IV of MIL-P-15011, or, 4-way, Type IV, V or VIII, Class 1, Style A, Size 2, Wood Group I, II, III or IV, Grade A of NN-P-71. Interlocking of loads shall be effected by reversing the pattern of each course. If the container is of a size which does not conform to any of the patterns specified in MIL-STD-147, the pallet pattern used shall be approved by the contracting officer.

5.4 Marking. In addition to any special marking required by the contract or purchase order, unit packages, intermediate boxes, shipping containers, and palletized unit loads shall be marked in accordance with MIL-STD-129 or ASTM-D-3951 as applicable.

6. NOTES

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

6.1 Intended use. Qualification badges, pendants, bars and badge clasps covered by this specification are intended to be worn by military personnel to signify the wearer has qualified in the specialty designated by the badge.

6.2 Acquisition requirements. Acquisition documents should specify the following:

a. Title, number and date of this specification.

b. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.1).

c. The number and date of the applicable specification sheet (see 1.2 and 2.1).

d. When a first article is not required (see 3.2).

e. Whether a standard sample is to be furnished (see 3.3).

f. Selection of applicable levels of packaging and packing (see 5.1 and 5.2).

g. When palletization is required (see 5.3).

6.3 First article. When first article inspection is required, the contracting officer should provide specific guidance to offerors whether the item should be a preproduction sample, a first production sample or a standard production item from the contractor's current inventory as specified in 4.4. The first article should consist of one completed item. The contracting officer should include specific instructions in acquisition documents regarding arrangements for examination, approval of first article test results and disposition of first articles. Invitations for bids should provide that the Government reserves the right to waive the requirement for samples for first article inspection to those bidders offering a product which has been previously acquired or tested by the Government, and that bidders offering such products, who wish to rely on such production or tests, must furnish evidence with the bid that prior Government approval is presently appropriate for the pending contract.

6.4 Samples. For access to standard samples, address the contracting activity issuing the invitation for bids.

6.5 Government-loaned property. The contracting officer should arrange to loan the property listed in 3.8.

6.6 Subject term (key word) listing.

Suspension bars
Lugs

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

Custodians:
Army - IH
Air Force - 11
Navy - NU
Coast Guard - CG

Review activities:
Air Force - 82, 99
Navy - MC
DLA - CT

User activities:
Air Force - 45

Preparing activity:
Army - IH

(Project No. 8455-0693)

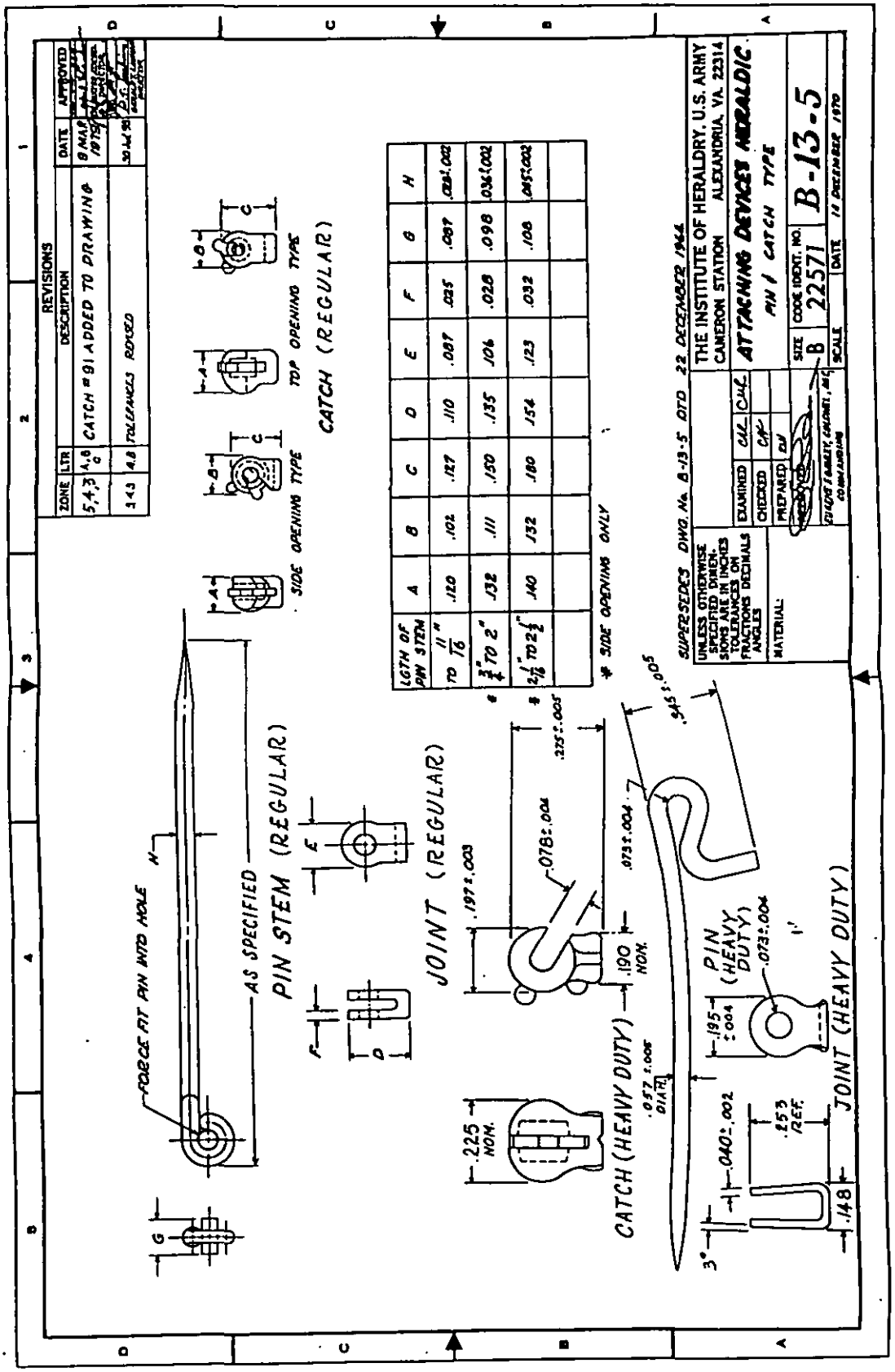

FIGURE 1. Attaching Devices, Heraldic, Pin and Catch Type

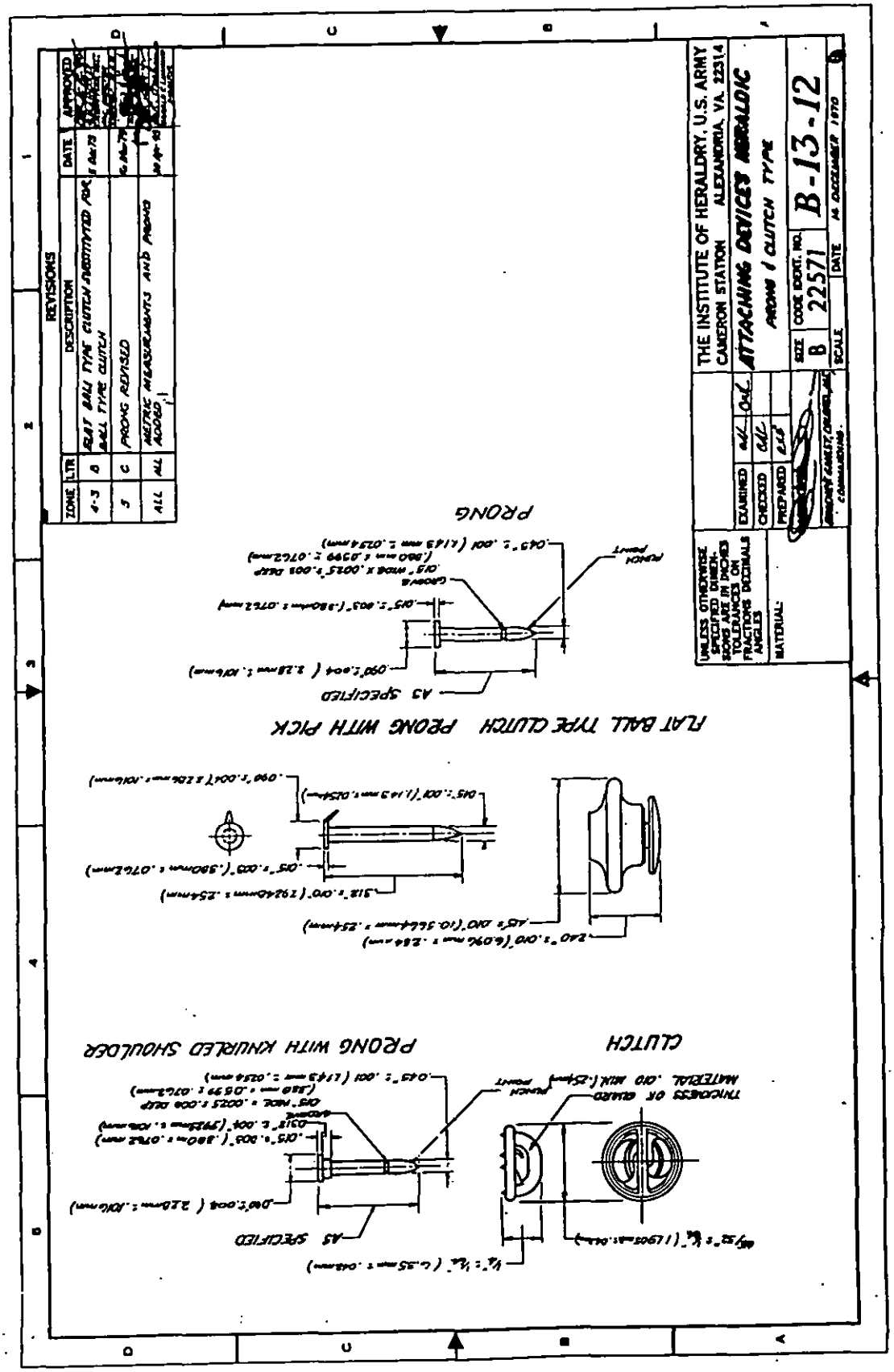

FIGURE 2. Attaching Devices, Heraldic, Prong and Catch Type

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

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

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

I RECOMMEND A CHANGE:	1. DOCUMENT NUMBER	2. DOCUMENT DATE (YYMMDD)
	MIL-B-3628F	930730

3. DOCUMENT TITLE

BADGE, BADGE CLASP, BAR AND PENDANT, QUALIFICATION, GENERAL SPECIFICATION FOR

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

5. REASON FOR RECOMMENDATION

6. SUBMITTER

a. NAME (Last, First, Middle Initial)	b. ORGANIZATION	
c. ADDRESS (Include Zip Code)	d. TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON (If applicable)	7. DATE SUBMITTED (YYMMDD)

8. PREPARING ACTIVITY

a. NAME	b. TELEPHONE (Include Area Code) (1) Commercial	(2) AUTOVON
The Institute of Heraldry	(202) 274-6636	284-6636
c. ADDRESS (Include Zip Code) Bldg 15, Technical & Production Division Cameron Station Alexandria, VA 22304-5050	IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466 Telephone (703) 756-2340 AUTOVON 289-2340	