MIL-C-6879A
14 April 1967
SUPERSEDING MIL-C-6878
4 August 1950, and
MIL-C-6879
4 August 1950

MILITARY SPECIFICATION

CONTAINERS, CARRYING AND STORAGE, SIGNAL, ILLUMINATION AIRCRAFT CNU-96/C AND CNU-97/C

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

1. SCOPE

1.1 Scope. This specification covers the manufacture and preparation for delivery of two types of portable hand-held containers for aircraft illumination signals.

1.2 Classification.

1.2.1 Types. This specification covers containers of the following types:

Type I. CNU-96/C is designed to carry eighteen (18) signals.
Type II. CNU-97/C is designed to carry twenty (20) signals.

2. APPLICABLE DOCUMENTS

2.1 The following documents, of the issue in effect on date of invitation for bids or request for proposal, form a part of the specification to the extent specified herein.

SPECIFICATIONS

Federal

PPP-B-566	Box, Folding, Paperboard.
PPP-B-601	Box, Wood, Cleated-Plywood.
PPP-B-636	Box, Fiberboard.
PPP-B-676	Box, Setup.

Military

MIL-P-116	Preservation, Methods of.
MIL-L-10547	Liners, Case, and Sheet, Overwrap; Water-Vaporproof or Waterproof, Flexible.

STANDARDS

Military

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-143	Specifications and Standards Order of Precedence for the Selection of.

DRAWINGS

Air Force

66H37612	Container, Carrying and Storage, Signal, Illumination, Aircraft CNU-96/C.
66H37613	Container, Carrying and Storage, Signal, Illumination, Aircraft CNU-97/C.

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

3. REQUIREMENTS

3.1 Material. The individual part requirements shall be as specified herein and in accordance with the applicable drawings and specifications specified thereon. If and when it is desired to use a material which is not specifically designated, the material shall be entirely suitable for the application. The final selection of alternate materials will be in accordance with MIL-STD-143.

3.2 Assembly. The assembly shall comply with all requirements specified on Drawing 66H37612 or 66H37613 and all specifications listed thereon. No departure from, revision, or change to the drawings or specifications shall be made without prior written approval from the procuring service.

3.3 Product Markings. The containers shall be marked in accordance with MIL-STD-130 and the applicable drawing.

3.4 Workmanship. The containers shall be free from imperfections which may affect their utility. All dimensions of the cloth material shall be accurately cut to the dimensions and tolerances specified on the applicable drawing. No flaps shall exist within the container which may interfere with the accomodation of its contents or closure of the container.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for Inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified, the supplier may utilize his own facilities or any commercial laboratory acceptable to the government. The government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure suppliers and services conform to prescribed requirements.

4.2 Lot. A lot of containers shall consist of all material made by the same process from the same components by one manufacturer and submitted for inspection at one time.

4.3 Sampling for Tests. A random sample of containers shall be taken from each lot in accordance with MIL-STD-105, special inspection level S-1. The Acceptable Quality Level (AQL) for the visual inspection, non-functional, and functional tests shall be ten (10) percent. The single sampling plan for normal inspection shall be used to determine the number of rejects allowed for the specified AQL.

4.4 Classification of Defects.

Visual Inspection Test

Categories	Defects
Critical:	None Defined
Major:	AQL 10 percent defective
101	A (any) missing component
Minor:	AQL 10 percent defective
201	Improper markings
202	Poor workmanship
203	Spots, streaks, or discoloration

Non-Functional Test

Categories	Defects (1)
Critical:	None Defined
Major:	AQL 10 percent defective
101	Incorrect post-to-post distance
Minor:	AQL 10 percent defective
201	Incorrect overall length
202	Incorrect overall height (excluding straps)
203	Incorrect overall width

(1) Tolerances on dimensions under this test are plus or minus one-sixteenth inch.

Functional Test

Categories	Defects
Critical:	None Defined
Major:	AQL 10 percent defective
101	Slide Fastener fails to function properly.

102	Torn or otherwise defective carrying strap which would prevent the container from being carried in the normal manner.
103	Defective posts which would prevent the container from being stowed on the aircraft in the intended manner.
104	The CNU-96/C unable to accommodate eighteen simulated signals, or the CNU-97/C unable to accommodate twenty simulated signals.
Minor:	The CNU-96/C unable to accommodate eighteen simulated signals without becoming distorted, or the CNU-97/C unable to accommodate twenty simulated signals without becoming distorted.

4.5 Test Method and Procedures.

4.5.1 Visual Inspection. Each sample container shall be visually inspected for proper markings in accordance with MIL-STD-130, proper color in accordance with the applicable drawing, and proper workmanship in accordance with a high standard of workmanship.

4.5.2 Non-functional tests. The four dimensions listed below shall be measured on each test sample to prove compliance with dimension requirements contained in the applicable drawing.

a. Post-to-post distance (major defect)
b. Overall length (minor defect)
c. Overall height (minor defect)
d. Overall width (minor defect)

4.5.3 Functional tests. The sample container shall, while containing the required number of simulated signals (see Figure 1).

a. be subjected to three close-open cycles of the slide fastener.
b. be supported by the carrying straps.
c. be supported by its stowage posts by plugging the posts into receptacles.
d. be inspected for bulges or distortion of the container caused by the simulated signals.

The simulated signals required under this inspection shall be of the size specified in the following design.

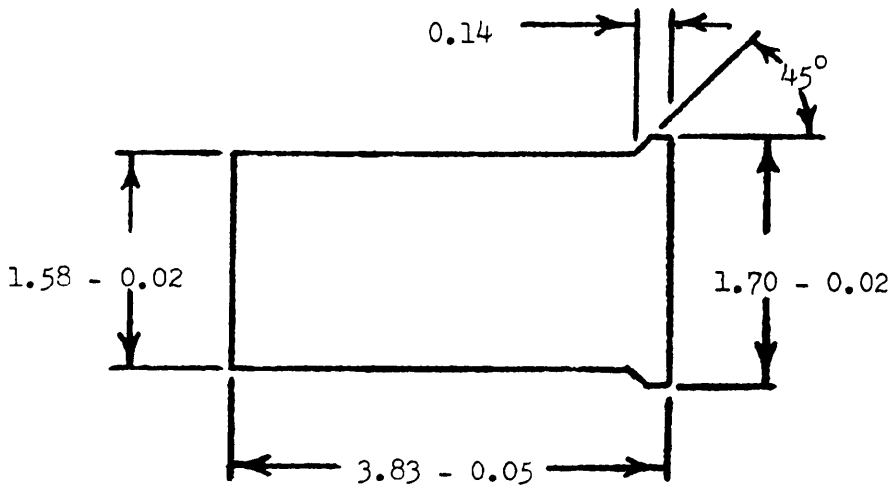

FIGURE 1
Simulated Signal Dimensions for Functioning Testing

4.6 Disposition of Defects. Defective samples shall be resubmitted for inspection only after all units in the lot are examined and all defective units are removed or defects corrected.

5. PREPARATION FOR DELIVERY

5.1 Preservation and Packaging. Each container shall be preserved and packaged Method III of Specification MIL-P-116 in a snug-fitting paperboard box conforming to Specification PPP-B-676 or Specification PPP-B-566.

5.2 Packing. Containers shall be packed Level A, B, or C, as Specified (see 6.3).

5.2.1 Level A. Twenty-five containers, preserved and packaged in accordance with 5.1, shall be packed in a cleated plywood box conforming to Specification PPP-B-601, Overseas Type. The box shall be lined with a case liner in accordance with Specification MIL-L-10547.

5.2.2 Level B. Twenty-five containers, preserved and packaged in accordance with 5.1, shall be packed in a fiberboard box conforming to style RSC, grade V3c of Specification PPP-B-636.

5.2.3 Level C. Twenty-five containers, preserved and packaged in accordance with 5.1, shall be packed in a manner to assure carrier acceptance and safe delivery to destination at the lowest applicable rate for the mode of transportation.

5.3 Marking. In addition to any special requirements of the contract or order, marking shall be in accordance with the requirements of Standard MIL-STD-129.

6. NOTES

6.1 Intended Use. The CNU-96/C is designed to carry eighteen signals and the CNU-97/C twenty signals of the type Signal, Illumination, Aircraft AN-M series. Each signal fits into a pocket, and the entire container is closed with a slide fastener to prevent signals from falling out during storage on the aircraft. Storage of the container on the aircraft is effected by posts on either side of the container which mate to receptacles on the aircraft.

6.2 Supersedure. This specification supersedes MIL-C-6878, Container, Signal Flare, Type A-7, and MIL-C-6879, Container, Signal Flare Type A-8.

6.3 Ordering Data. Procurement documents should specify the following:

(a) Title, number, and date of this specification.
(b) Level of packing required (see 5.2).
(c) Type and size required (see 1.2.1).

6.4 Identification of changes. Asterisks are not used in this revision to identify changes with respect to the previous issue, due to the extensiveness of the changes.

Custodians:
Army - MU
Navy - OS
Air Force - 70

Review activities:
Army - MU
Navy - OS

Preparing activity
Air Force - 70

Project No. 8140-0015

Code "N"

SPECIFICATION ANALYSIS SHEET

Form Approved
Budget Bureau No. 22-R255

INSTRUCTIONS: This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.

SPECIFICATION

ORGANIZATION

CITY AND STATE

CONTRACT NUMBER

MATERIAL PROCURED UNDER A

☐ DIRECT GOVERNMENT CONTRACT ☐ SUBCONTRACT

1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?

A. GIVE PARAGRAPH NUMBER AND WORDING.

B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES

2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID

3. IS THE SPECIFICATION RESTRICTIVE?

☐ YES ☐ NO *(If "yes", in what way?)*

4. REMARKS *(Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)*

SUBMITTED BY *(Printed or typed name and activity - Optional)*

DATE

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