MILITARY SPECIFICATION

INDICATOR, AIRSPEED, PITOT STATIC, TYPE L-7A

This amendment forms a part of Military Specification MIL-I-5356A(USAF), dated 15 November 1966, and is approved for use by the Department of the Air Force and is available for use by all Department and Agencies of the Department of Defense.

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2.1 Add "SPECIFICATIONS, Federal", and the following:

"PPP-B-601 - Boxes, Wood, Cleated Plywood
PPP-B-636 - Box, Shipping, Fiberboard"

2.1: Under "SPECIFICATIONS, Military", delete "MIL-E-5272". Add the following:

"MIL-P-116 - Preservation, Methods of
MIL-P-26514 - Polyurethane Foam, Rigid or Flexible, for Packaging"

Add the following boxed paragraph to bottom of page:

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Oklahoma City Air Logistics Center/MMEDO, Tinker AFB Ok 73145 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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3.1: Delete entirely and substitute the following:

"3.1 First article. When specified, (see 6.3), the contractor shall furnish sample unit(s) for first article inspection and approval (see 4.3)".

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4.2,a: Delete "Qualification" and substitute "First article".

4.3: Delete "Qualification" in title, line 1 and in line 4. Substitute "First article" in all three places.

4.3.1: Delete "Qualification" in title, line 1 and in line 3. Substitute "First article" in all three places.

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4.6.13, lines 3 and 4: Delete "procedure IV of MIL-E-5272" and substitute "4.6.13.1".

Add new paragraph as follows:

"4.6.13.1 This procedure applies to the determination of vibration errors in panel-mounted aircraft instruments of reciprocating engine type aircraft. The indicator shall be mounted on the apparatus in its normal operating position. While being operated in accordance with this specification, the indicator shall be vibrated with circular motion in a plane inclined 45 degrees to the horizontal plane with a diameter of circular motion of 0.009 inch. The frequency of applied vibration shall be varied slowly from 5 to 50 cycles per second. No condition of applied vibration shall cause vibration errors involving pointer oscillation or variation in excess of the tolerance outlined in this specification."

4.6.14, lines 4 and 5: Delete "procedure V of MIL-E-5272" and substitute "4.6.14.1".

Add new paragraph as follows:

"4.6.14.1 This procedure constitutes a vibration failure test to detect faulty constructional details in panel-mounted aircraft instruments of reciprocating engine type aircraft. The indicator shall be mounted on the apparatus in its normal operating position. While being operated in accordance with this specification, the instrument shall be vibrated with circular motion of 0.018 to 0.020 inch diameter in a plane inclined 45 degrees to the horizontal plane and the frequency of vibration shall be varied uniformly from 5 to 50 cycles per second and return once each hour for a 3 hour period."

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5. through 5.2: Delete entirely and substitute the following:

"5. PACKAGING

5.1 Preservation-packaging. Preservation-packaging shall be level A or C as specified.

5.1.1 Level A.

5.1.1.1 Cleaning. Indicators shall be cleaned in accordance with process C-1 of MIL-P-116.

5.1.1.2 Drying. Indicators shall be dried in accordance with process D-4 of MIL-P-116.

5.1.1.3 Preservation application. Not applicable.

5.1.1.4 Unit packaging. Unless otherwise specified by the procuring activity, each indicator, airspeed, pitot static, Type L-7A, shall be packaged in quantity unit packs of one each in accordance with method IC-1 of MIL-P-116. Each indicator shall be overboxed in PPP-B-636 carton. Carton shall be large enough to allow for application of sufficient cushioning material, MIL-P-26514, between container and bag, of a type, density, and thickness to insure shock transmission does not exceed peak values in G's established for the indicator when completed packs are subjected to the rough handling drop tests of MIL-P-116.

5.1.2 Level C. Indicators shall be clean, dry and individually packaged in a manner that will afford adequate protection against corrosion, deterioration, and physical damage during shipment from source of supply to first receiving activity.

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

5.2.1 Level A. Indicators packaged as specified in 5.1.1 shall be packed in shipping containers conforming to PPP-B-601, styles A and B, class overseas, unless otherwise specified by the procuring activity. Insofar as practical, exterior shipping containers shall be of uniform shape, size, and of minimum tare and cube, consistent with the protection required.

5.2.2 Level B. Indicators packaged as specified in 5.1.1 shall be packed in weather-resistant class exterior shipping containers conforming to PPP-B-636. Other requirements as specified in 5.2.1 above are applicable.

5.2.3 Level C . Packing shall be applied which affords adequate protection during domestic shipment from the supply source to the first domestic receiving activity for immediate use. This level shall conform to applicable carrier rules and regulations and may be the contractor's commercial practice provided the latter meets the requirement of this level.

5.3 Marking. In addition to any special marking required by the contract or order, unit packages, intermediate packages and shipping containers shall be marked in accordance with the requirements of MIL-STD-129."

6.3: Delete paragraph entirely and substitute the following:

"6.3 First article. When a first article is required, the indicator will be inspected and tested in accordance with Section 4 of this document. The contracting officer should include specific instructions in acquisition documents regarding arrangements for examinations, test and approval of the first article."

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