

INCH-POUND

MIL-A-83419C(USAF)
AMENDMENT 3
15 APRIL 1994
SUPERSEDING
AMENDMENT 2
14 DEC 1987

MILITARY SPECIFICATION

ALTIMETER, SERVO CONTROLLED,
AUTOMATIC PRESSURE STANDBY

This amendment forms a part of MIL-A-83419C(USAF), 15 October 1979,
and is approved for use by the Department of the Air Force and is available for
use by all Departments and Agencies of the Department of Defense.

PAGE 1

Delete "2.1" entirely and add: "Government documents."

Add: "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)."

* Under SPECIFICATIONS, Federal, delete "QQ-P-416" entirely and add: "PPP-B-1672 Boxes, Shipping, Reusable With Cushioning".

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/TICLA, Tinker AFB, OK 73145-5990 by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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* Under SPECIFICATIONS, Military, delete "DOD AIMS 65-852 (1)" and add: "MIL-B-121 Barrier Material, Greaseproofed, Waterproofed, Flexible" and "MIL-C-83488 Coating, Aluminum, ION Vapor Deposited". Change MIL-P-116's title to read "Preservation, Method Of".

* Under STANDARDS, Federal, add: "FED-STD-101 Test Procedures For Packaging Materials".

* Under STANDARDS, Military, delete "MIL-STD-794", "MIL-STD-831" and MIL-STD-143". Add "MIL-STD-129 Marking For Shipment And Storage", "MIL-STD-970 Standards And Specification, Order Of Precedence For The Selection Of", And "MIL-STD-965 Parts Control Program".

AMSC N/A

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FSC 6610

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PAGE 3

Delete the source paragraph and add: "(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Standardization Document Order Desk, 700 Robbins Ave, Building #4, Section D, Philadelphia, PA 19111-5094.)"

Add: "2.2 Order of precedence. In the event of a conflict between the text of this specification and the references cited herein (except for associated detail specifications, specification sheets, or MS standards), the text of this specification shall take precedence. Nothing in this specification, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained.

3.2 Line 3 delete "MIL-STD-143" and add: "MIL-STD-970".

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Delete "3.4.13.1.1" and add: "3.4.13.1.1 Maintenance task test and demonstration. If any failures occur during reliability testing, the cognizant Government inspector shall be notified to witness the fault isolation, repair, and checkout of the repair. The altimeter shall then be returned to reliability testing. All failures, actual and simulated, shall be considered as being a part of the timed corrective maintenance task demonstration. If required by the contractor a record of the events shall be submitted to the contracting activity in accordance with the appropriate line items on DD Form 1423 entitled Maintainability Demonstration Reports. When demonstrating simulated failures, the replacement components shall be from a simulated spares inventory and not the same parts that were just removed for the demonstration. Also, alternate source components shall be used as the replacement component or parts on all simulated failure demonstrations.

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Delete "3.4.24" and add: "3.4.24 Compatibility. The altimeter input requirements shall be compatible with the output characteristics of the CPU-46, the CPU-66, and the following Central Air Data Computers:

NSN	P/N	Manufacturer
(1) 6610-01-099-6186	2101984-3-1	AiResearch (64547)
(2) 6610-00-110-9455	948312-6-1	AiResearch (70210)
(3) 6610-01-047-6627	2100756-3-1	AiResearch (70210)
(4) 6610-01-308-1859	4025116-907	Sperry (07187)
(5) 6610-01-089-1018	4025116-905	Sperry (07187)
(6) 6610-99-891-9990	50-055-02	GEC Avionics (K0650)

The altimeter shall also be compatible with the TTU-229/E Test Set."

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3.9 Line 3 delete "MIL-STD-749" and add: "MIL-STD-965".

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Delete "3.15.2" and add: "3.15.2 Steel parts. Steel parts shall be coated with ion vapor deposited aluminum, where practicable, in accordance with MIL-C-83488, type I or II as applicable and of a class that is adequate to achieve the degree of protection required. Other protective coating, in lieu of MIL-C-83488, may be used if demonstrated to be satisfactory and approved by the preparing activity. Cadmium plating must be avoided when satisfactory alternative processes can be used.

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Add: 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 in quality conformance does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to accept defective material.

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Delete "4.4.2" entirely.

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4.6.23 Line 3 delete "MIL-STD-810" and add: "MIL-STD-810C".

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4.6.33 Add: "This test will be conducted by the Government."

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* Delete Section 5 in its entirety and add:

*"5. PACKAGING.

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

5.1.1 Preservation-packaging. Unless otherwise specified by the contracting activity, item shall be packaged in Quantity Unit Pack (QUP) of one each. Each item will be provided a preservation method IIC In Accordance With (IAW) MIL-P-116.

5.1.2 Cleaning. Item shall be cleaned IAW MIL-P-116. C-1 process.

5.1.3 Drying. Immediately after cleaning, the item shall be dried following any one or combination of the drying procedures listed in MIL-P-116. The drying procedures employed shall not be injurious to the item.

5.1.4 Level A. Item shall be preserved IAW MIL-P-116 and MIL-STD-2073 to provide a method IIC.

5.1.5 Level C Item shall be individually preserved in a manner that will afford adequate protection against corrosion, deterioration, and physical damage during shipment from the supply source to the first receiving activity as specified in MIL-P-116 and MIL-STD-2073.

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

5.2.1 Container-cushioning. Unit container requirements shall conform to MIL-B-121, barrier material, unless otherwise specified by the contracting activity. Unit container shall be large enough to allow for the application of cushioning/wrap material, of sufficient density and thickness, to protect the unit container from punctures. Intermediate/shipping containers shall be large enough to allow for the application of sufficient cushioning material, between the unit container and intermediate/shipping container. Cushioning material shall be of sufficient density and thickness to insure shock transmission does not exceed peak values in G's established for the item.

5.2.2 Level A. Fiberboard containers do not meet Level "A" container criteria.

5.2.3 Level B. Item will be preserved as specified in 5.1 and shall be packed in exterior containers conforming to PPP-B-1672, weather-resistant unless otherwise specified by the contracting activity. Exterior container shall be uniform shape, size and minimum tare and cube, consistent with the protection required. Closure shall be in accordance with appropriate PPP-B-1672 procedure and contracting activity.

5.2.4 Level C. Item will be packed in such a manner that will afford adequate protection against physical damage during direct domestic shipment from the supply source to the first receiving activity. These packs shall conform to MIL-STD-2073.

5.3 Marking. Unit, intermediate, and exterior containers shall be marked IAW special markings required by the contracting activity, and MIL-STD-129.

5.4 Inspection and test. Test of methods of preservation shall be accomplished in accordance with section 4 of MIL-P-116 to insure compliance with section 5 of this specification. Packaging tests shall be conducted IAW rough handling as specified in FED-STD-101.

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* Under 6. NOTES add: "(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)"

*6.2 Line 1 delete entirely and add: "Acquisition requirements. Acquisition documents must specify the following:"

*Under 6.2 add: "g. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced. (see 2.1)."

6.4 Lines 9 and 10 delete " the Aeronautical Systems Divisions, Attn: ASD/ENAID, Wright-Patterson Air Force Base, Ohio 45433" and add: "OC-ALC/TICLA Tinker Air Force Base, OK 73145-9550."

Delete "6.5".

The margins of this amendment 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 amendment."

Custodian:
AIR FORCE-99

Preparing Activity:
AIR FORCE-71

Project No: 6610-F390