

INCH-POUND

MIL-I-6115A
AMENDMENT 4
15 December 1999
SUPERSEDING
AMENDMENT 3
31 December 1960

MILITARY SPECIFICATION

INSTRUMENT SYSTEMS, PITOT TUBE AND FLUSH STATIC PORT OPERATED, INSTALLATION OF

This amendment forms a part of MIL-I-6115A, dated 29 March 1951, and is approved for use by all Departments and Agencies of the Department of Defense.

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Preamble: Delete and substitute the following: "This specification has been approved by the Department of Defense and is mandatory for use by the Departments of the Army, the Navy and the Air Force."

Section 2: Delete and substitute:

"2. APPLICABLE DOCUMENTS

2.1 The following documents, of the issue in effect on date of invitation for bids, form a part of this specification to the extent specified herein:

SPECIFICATIONS

FEDERAL

WW-T-787 Tube, Aluminum Alloy, Round, Square, Rectangular, and Other Shapes, Drawn, Seamless, 5052

MILITARY

* TT-P-1757 Primer Coating, Alkyd Base, One Component
MIL-A-8625 Anodic Coatings, for Aluminum and Aluminum Alloys

AMSC N/A

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FSC 6610

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

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STANDARDS

MILITARY

MS33586 Metals, Definition of Dissimilar
MS33656 Fitting End, Standard Dimensions for Flared Tube Connection and Gasket Seal

AIR FORCE-NAVY AERONAUTICAL

AN 929 Cap Assembly, Pressure Seal Flared Tube Fitting
AN5811 Tube, Pitot, Electrically Heated, "L" Shaped, Inverted
AN5812 Tube, Pitot, Electrically Heated, "L" Shaped
AN5813 Tube, Pitot, Electrically Heated
AN6270 Hose Assembly – Detachable Swivel Fitting, Low Pressure
AND10375 Colors – Fluid Line Identification
AND10410 Pitot-Static and Pitot Tube – Wiring Diagram for

PUBLICATIONS

NAVAL AIR MATERIAL CENTER

Report No. Dual Sighting Stand and Other Methods of Calibrating Altimeter
NAES – and Airspeed Installation
INSTR. 16-44

(Copies of this publication may be obtained from the Engineering Division, Documentation Branch, Bureau of Naval Weapons, Navy Department, Washington, DC.)

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

2.2 Other publications. The following document forms a part of this specification to the extent specified herein. Unless otherwise indicated, the issue in effect on date of invitation for bids shall apply:

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

Report 919 Accuracy of Airspeed Measurements and Flight Calibration Procedures

(Copies of this report may be obtained from the National Aeronautics and Space Administration, 1520 H Street, NW, Washington, DC.)”

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* 3.1.1.1 line 2: Delete “Drawing AND10398” and substitute “MS33586.”
Lines 4 and 5: Delete “zinc-chromate primer conforming to Specification MIL-P-6889” and substitute “alkyd primer conforming to TT-P-1757.”

3.1.2, line 4: Delete “ANA Bulletin No. 143” and substitute “procedures established by the procuring activity or as specified in the contract or order.”

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Add the following new paragraph:

3.1.2.2 AN or MS straight threaded fittings only shall be used and shall be connected in accordance with the applicable standards listed in section 2.”

3.2.1: Line 2, delete “Drawings” and substitute “Standards.”

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3.2.6.7.1, line 2: Delete “AN-QQ-A-696” and substitute “MIL-A-8625.”

3.2.7.1, line 4: Delete “AN-QQ-A-696” and substitute “MIL-A-8625.”

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Figure 4: In note above figure title, delete “DRAWING AND10056” and substitute “MS33656.”

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3.2.7.3, line 2: Delete “Drawing” and substitute “Standard” and add the following at the end of the paragraph: “The color coding shall specify distinctly which line is pitot pressure and which line is static pressure. The marking tape shall be within 3 inches of the terminal fitting.”

3.2.9, lines 2, 4, and 7: Delete “Drawing” and substitute “Standard.”

3.2.11, lines 3 and 4: Delete “Drawing AND10056” and substitute “Standard MS33656.”

3.2.15, line 2: Delete “Drawing” and substitute “Standard.”

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Section 4: Delete “4. SAMPLING, INSPECTION, AND TEST PROCEDURES” and substitute the following heading and new paragraph:

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“4. QUALITY ASSURANCE PROVISIONS

4.1 Inspection responsibility. The supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified, the supplier may utilize his own or any other inspection facilities and services acceptable to the Government. Inspection records of the examination and tests shall be kept complete and available to the Government as specified in the contract or order. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.”

4.1: Delete the last three sentences.

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* 4.2.4.3, line 3: Delete “or a mercury manometer.” Line 7: Delete “or the manometer indicates 9.10 inch Hg differential pressure.”

4.2.6.1, lines 2 and 3: Delete “NACA Technical Note 1605” and substitute “National Aeronautics and Space Administration Report 919.”

NOTE: The margins of this amendment are marked with asterisks to indicate where changes from the previous amendment 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.

Custodians:
Army – AV
Navy – AS

Preparing activity:
Navy – AS

(Project 6610-0603)