

MIL-A-29520(EC)
29 January 1988

MILITARY SPECIFICATION

ANTENNA GROUP, OE-416(V)/SRC,
4-MHz TO 30-MHz RECEIVING TWIN WHIP

This specification is approved for use by the Space and Naval Warfare Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification covers the design, development, performance, and test requirements for the Antenna Group, OE-415(V)/SRC, hereinafter referred to as the antenna group. The antenna group is a nominal 4.1-meter (m) (14-foot (ft)) twin-whip configuration which provides broadband frequency coverage in the 4-megahertz (MHz) to 30-MHz range for high frequency (HF) shipboard receiving systems.

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications and standards. The following specifications and standards form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of these documents shall be those listed in the issue of the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto, cited in the solicitation.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander, Space and Naval Warfare Systems Command, SPAWAR 003-121, Washington, DC 20363-5100, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document, or by letter.

AMSC N/A

FSC 5985

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THIS DOCUMENT CONTAINS 17 PAGES.

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SPECIFICATIONS

MILITARY

MIL-S-901	Shock Test, H.I. (High-Impact), Shipboard Machinery, Equipment And Systems, Requirements For
MIL-P-15024	Plates, Tags, And Bands For Identification Of Equipment
MIL-P-15024/5	Plates, Identification
MIL-E-16400G	Electronic, Interior Communication, And Navigation Equipment, Naval Ship And Shore: General Specification For
MIL-E-17555	Electronic And Electrical Equipment, Accessories, And Provisioned Items (Repair Parts), Packaging Of

STANDARDS

MILITARY

MIL-STD-108	Definitions Of And Basic Requirement For Enclosures For Electric And Electronic Equipment
MIL-STD-109	Quality Assurance Terms And Definitions
MIL-STD-167-1	Mechanical Vibrations Of Shipboard Equipment (Type I - Environmental And Type II - Internally Excited)
MIL-STD-454	Standard General Requirements For Electronic Equipment
MIL-STD-965	Parts Control Program
MIL-STD-1310	Shipboard Bonding, Grounding, And Other Techniques For Electromagnetic Compatibility And Safety
MIL-STD-1364	Standard General Purpose Electronic Test Equipment

2.1.2 Government drawings. The following Government drawing forms a part of this specification to the extent specified herein. Unless otherwise specified, the issue shall be those in effect on the date of the solicitation.

DRAWING

SPACE AND NAVAL WARFARE SYSTEMS COMMAND (SPAWAR)

0330409

Installation Guidance Details, OE-()/SRC
Antenna (4-30 MHz, 14 ft) Twin Whip

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

2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of the documents which are DoD adopted shall be those listed in the issue of the DoDISS specified in the solicitation. Unless otherwise specified, the issues of documents not listed in the DoDISS shall be the issue of the nongovernment documents which is current on the date of the solicitation.

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

C95.2-66	Radio Frequency Radiation Hazard Warning Symbol
Y32.16-1975	Reference Designations For Electrical And Electronic Parts and Equipments

(Application for copies shall be addressed to the American National Standards Institute, 1430 Broadway, New York, NY 10018.)

(Nongovernment standards and other publications are normally available from the organizations which prepare or which distribute the documents. These documents also may be available in or through libraries or other informational services.)

2.3 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. REQUIREMENTS

3.1 General. The antenna group shall be in accordance with MIL-E-16400G to the extent specified herein.

3.1.1 First article. When specified in the contract or purchase order, a sample shall be subjected to first article inspection (see 4.4 and 6.3).

3.1.2 Operational requirements. The antenna group shall give reliable performance within the limits specified herein, under conditions of intermittent or continuous operation during exposure to adverse conditions normally encountered in Naval shipboard communication service. Mechanical and electrical ruggedness is of paramount importance for assurance of reliable performance.