

JANAP 161

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SECURITY INFORMATION

DIRECTORY OF COMMUNICATIONS-ELECTRONICS EQUIPMENT

JANAP 161

**THE JOINT CHIEFS OF STAFF
JOINT COMMUNICATIONS-ELECTRONICS COMMITTEE
WASHINGTON 25, D. C.
MARCH 1953**

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THE JOINT CHIEFS OF STAFF
JOINT COMMUNICATIONS-ELECTRONICS COMMITTEE
WASHINGTON 25, D. C.

March 1953

LETTER OF PROMULGATION TO:

The Department of the Army
The Department of the Navy
The Department of the Air Force

Subject: JANAP 161

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FOR THE JOINT COMMUNICATIONS-ELECTRONICS COMMITTEE
OF THE JOINT CHIEFS OF STAFF

T. A. SMITH,
Captain U. S. N.

L. W. GRAFF
Major U. S. A.

Secretaries

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DEPARTMENT OF THE ARMY

Washington 25, D. C. 6 March 1953

JANAP 161, Communications Electronics Equipment, March 1953,
is published for the information and guidance of Army personnel.

BY ORDER OF THE SECRETARY OF THE ARMY:

OFFICIAL:

WM. E. BERGIN
Major General, USA
The Adjutant General

J. LAWTON COLLINS
Chief of Staff, United States Army

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PREFACE

1. PURPOSE

JANAP 161, Directory of Communications-Electronics Equipment, contains information pertaining to the technical, physical, and operational characteristics of communication equipment used by the departments of the Department of Defense. It is intended primarily for the use of signal officers of Army and Marine Corps division and higher headquarters, Navy staff communications officers, and Air Force wing, base, and higher echelons in the planning and coordination of tactical communications in a theater of operations. This JANAP is not intended for use in connection with procurement, storage, and issue.

2. TYPES OF EQUIPMENT

This publication contains information on radio, wire, sound, light, and other equipment used for purposes of communication.

3. STATUS OF EQUIPMENT

Only equipment with a status of standard, limited standard, or substitute standard is normally included in this publication. Application of status classifications to equipment of the Department of the Navy is not official but is included for purposes of comparison with equipment of the other departments.

a. The status of standard designates the most advanced and satisfactory item of equipment that has been adopted.

b. The status of substitute standard designates an item which is not entirely as satisfactory as a standard type but which is a usable substitute for the standard item.

c. The status of limited standard designates an item which is not as satisfactory as a standard item but which is a usable substitute and which may be issued on a limited basis until the supply is exhausted.

4. ARRANGEMENT OF CONTENT

a. **General.** (1) Items of equipment are arranged and identified in accordance with type nomenclature designations of the Joint Communication-Electronic Nomenclature System, or "AN" System, as described in JANAP 196. This system is an alphabetical arrangement of basic indicators, followed by a numerical arrangement of types of equipment for each set or series of basic indicators.

(2) Items of equipment with service, commercial, or other types of nomenclature are arranged under the most appropriate **TYPE** of AN System/indicator nomenclature. Within each set or series of basic AN/TYPE designation, equipments are arranged numerically and alphabetically. All such AN/TYPE designations follow items of equipment arranged per subparagraph (1) above.

Examples:

AN/ARC-33	AN/FRR-3	AN/GRR-3
AN/ARC-34	AN/FRR-4	AN/GRR-5
AN/ARC-36	AN/FRR-7	AN/GRR-7
AN/ARC-type	AN/FRR-type	AN/GRR-type
SCR-274	RAO	BC-312
SCR-522	RBF	R-247/URR
SCR-542	RBP	RCF

b. **Models.** The AN or the AN/TYPE designations on each page normally include all models of equipment bearing those basic nomenclature designations. Minor differences in models are covered in the content of each page. Major differences in models may be covered on separate pages.

c. **Index.** To facilitate the location of items of equipment in this publication, a comprehensive index provides a listing of all types and kinds of nomenclature by which items of equipment may be known or identified.

5. DETAILS OF CONTENT

a. **Classification of equipment.** Security classifications of items of equipment conform to data contained in JANAP 140 of issue current at date of preparation of each page of information.

b. **"Can communicate with."** Information given under this heading is based primarily on technical characteristics and operating capabilities of similar or related equipment. The listing of items of equipment does not signify authorization for such use or that items can or ever have been so used.

c. **Ranges for radio equipment.** Information given under this heading is confined to nominal or average communicating distances for radio equipment. Limiting factors of terrain, weather, altitude, type of antenna, and similar operating conditions vary the range distances indicated.

d. **Major components.** Data given under this heading include only the principal operating components and are usually confined to no more than six items. Spare equipment, auxiliary or maintenance components, and modification parts or components are not included.

e. **Physical characteristics.** Data given under this heading include volume, weight, and dimensions of equipment. These characteristics are given as an aid in planning storage, transportation, shipment, and installation of communication equipment.

f. **Project equipment.** This marking applied to certain Air Force equipment indicates that the equipment may be used only under special authorization.

6. CURRENCY OF INFORMATION

Information on each page of the publication is current as of the date indicated on each sheet. Changes occurring after this date are to be reflected in subsequent changes to, or revisions of, this publication.