

INTRODUCTION

1. Purpose

This publication presents data and information on the technical, physical, operational, and logistical characteristics of the electronic communication equipment used in the Department of Defense. It is intended primarily for use by the standardization, design, development, and procurement activities of the Department of Defense, and in the technical planning and coordinating of logistical operations involving the use and maintenance of military equipment in a theater of operations.

2. Scope

This publication contains information on electronic communication equipment that is used by the Army, the Navy, and the Air Force to establish communication systems for military purposes. It covers equipments used in both wire and radio communication systems, and includes equipment for use at all echelons of command.

3. Arrangement of Content

a. Items of equipment are arranged and identified in accordance with type nomenclature designations of the Joint Electronics Type Designation System, or "AN" System, as described in MIL-STD-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.

b. 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 as outlined in *a* 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

c. Items not bearing set designations of the AN series can be readily located by reference to Appendix II or III. Appendix II is arranged in alphabetical sequence by official nomenclature. This appendix includes all items of equipment described in this publication, and the listing is maintained in narrative style, rather than in normal catalog style. For example, Frequency-Shift Converter CV-115()/URR is listed under F, instead of under C for Converter, Frequency-Shift. Appendix III also contains a complete listing of all items covered in this publication, arranged in alpha-numerical order by assigned type number, regardless of whether the type number was assigned by a specific department or under the Joint Electronics Type Designation System. Commercial equipments are listed by their manufacturer's number within this appendix. All items listed in Appendix II also show the arbitrarily assigned type designation used in this publication.

Note. Assignment of an item to a particular type designation within this publication is arbitrary, and should not be construed as a limitation or indication that this equipment is suitable for use only as implied by its classification herein.

d. For convenience, Table I is a listing of the meanings assigned to the first, second, and third letters of the three-letter group following the AN/ of the Joint Electronic Type Designation System.

Table I. Set or Equipment Indicator Letters

1st Letter Installation	2nd Letter Type of equipment	3rd Letter Purpose
A—Airborne (installed and operated in aircraft). B—Underwater mobile, submarine.	A—Invisible light, heat radiation. B—Pigeon. C—Carrier (wire).	A—Auxiliary assemblies (not complete operating sets). B—Bombing.

Table I. Set or Equipment Indicator Letters—Continued

1st Letter Installation	2nd Letter Type of equipment	3rd Letter Purpose
C—Air transportable (inactivated, do not use).	D—Radiac.	C—Communications (receiving and transmitting).
D—Pilotless carrier.	F—Photographic.	D—Direction finder.
F—Fixed.	G—Telegraph or teletype (wire).	G—Gun or searchlight directing.
G—Ground, general ground use (includes two or more ground installations).	I—Interphone and public address.	H—Recording (photographic, meteorological and sound).
K—Amphibious.	K—Telemetering.	L—Searchlight control (inactivated, use "G").
M—Ground, mobile (installed as operating unit in a vehicle which has no function other than transporting the equipment).	L—Countermeasures (inactivated, do not use).	M—Maintenance and test assemblies (including tools).
M—Ground, mobile (installed as operating unit in a vehicle which has no function other than transporting the equipment).	M—Meteorological.	N—Navigational aids (including altimeters, beacons, compasses, racons, depth sounding, approach and landing).
P—Pack or portable (animal or man).	N—Sound in air.	P—Reproducing (photographic and sound).
S—Water surface craft.	P—Radar.	Q—Special, or combination of types.
T—Ground, transportable.	Q—Sonar and underwater sound.	R—Receiving.
U—General utility (includes two or more general installation classes, airborne, shipboard and ground).	R—Radio.	S—Detecting and/or range and bearing.
V—Ground, vehicular (installed in vehicle designed for functions other than carrying electronic equipment, etc., such as tanks).	S—Special types, magnetic, etc. or combinations of types.	T—Transmitting.
W—Ship, submarine	T—Telephone (wire).	W—Remote control.
	V—Visual and visible light.	X—Identification and recognition.
	X—Facsimile or television.	

4. Glossary of Abbreviations

Appendix I contains a glossary of the standard abbreviations used in this publication. The abbreviations are listed in alphabetical order, together with the exact terminology of the word or phrase for which the abbreviation is used.

5. Details of Content

Descriptions of individual items of equipment in this publication are all organized in a standard format. The first page of each item usually contains all information necessary for general and rapid identification of the equipment, including a photograph, if available. Information more often required after selection and identification of an item generally appears on the second page of an item description.

a. Normally the latest model or models of equipment are used as a basis of the descriptive matter. The nomenclature type-designation printed at the top of each page indicates the specific item or model of an item covered by material on that page. The use of parentheses () in the type-designation at the top of each page is intended to indicate coverage of more than one model of the item; if only specific items are covered by an entry, each item so covered is listed at the top of each page of that entry.

b. The *Cognizant Service* is defined as that service responsible for procuring the item of equipment and/or applying for its official nomenclature.

c. *FSN* is the Federal Stock Number assigned to the item for supply cataloguing. The *FSN* is a combination of the Federal Supply Classification number and the Federal Item Identification Number.

d. The meaning of the various terms used to describe the status—or *type classification*—of items of equipment covered in this publication are defined in paragraph 6. Also included in the publication are items which have not been assigned formal or official type classification, but which have been issued and are available for, or are in, current use (par. 6*d*).

e. Where available, a *photograph* of each item of equipment has been included. Some larger, complex items have been illustrated with stylized drawings. The photograph often does not show the entire equipment—most minor accessories have been deleted from the photographs, and some of the illustrations may not show all the major operating components. However, if major operating components are not shown in the accompanying illustration, this fact generally is stated in the accompanying functional description.