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MILITARY STANDARD

JOINT ELECTRONICS

TYPE DESIGNATION SYSTEM

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DEPARTMENT OF DEFENSE
WASHINGTON, D.C. 20360

Joint Electronics Type Designation System
MIL-STD-196D

1. This Military Standard has been approved by the Department of Defense and is mandatory for use by all Departments and Agencies of the Department of Defense.

2. Beneficial comments (recommendations, additions, deletions) of any pertinent data which may be of use in improving this document should be addressed to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-MMC-D, Fort Monmouth, New Jersey 07703, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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FOREWORD

The purpose of this standard is to establish procedures within the Department of Defense for standardization of identification for design control of electronic materiel and associated equipment as defined herein, excluding COMSEC materiel.

History. The Joint Electronics Type Designation System (JETDS), formerly known as the Joint Army-Navy Nomenclature System (AN System) and the Joint Communications-Electronics Nomenclature System, was adopted 16 February 1943 by the Joint Communications Board for Joint Army-Navy use, and approved by the Combined Communications Board on 17 February 1943 for all new U.S. Army, and new U.S. Navy airborne, radio, and radar equipment. Further, on 26 November 1943, the Joint Communications Board approved the extension of the scope of the system to include equipment designed by the Navy specifically for Marine Corp and amphibious use. On 1 August 1946, the Bureau of Ships, Department of the Navy, adopted the system for use of ship, submarine, and ground electronic equipment. Similar action was taken by the bureau of Ordnance, Department of the Navy, on 18 October 1946, to cover the electronic portions of its fire-control systems. The U.S. Air Force, upon its establishment as a separate Department, continued the use of the system for electronic equipment. On 16 January 1950, the U.S. Coast Guard adopted the system to identify any electronic equipment which it may develop or adopt. On 16 August 1951, the Joint Communications-Electronics Committee of the Joint Chiefs of Staff, approved Canadian integration with the AN nomenclature system. On 8 June 1953, the Office of the Chief of Ordnance, Department of the Army, adopted the system for its use.

In 1957 The Department of Defense approved MIL-STD-196 "Joint Electronics Type Designation System." In 1959 The National Security Agency, started using the system. In 1960 The Department of Defense approved MIL-STD-196A, in April 1965 MIL-STD-196B, in April 1971 MIL-STD-196C. On 6 May 1981, Chief, Office of International Research Development and Starboard, Department of the Army, directed implementation within MIL-STD-196 for integration of New Zealand, Australia and Great Britian into the system.

Organization. The JETDS is operated in accordance with basic policies of the Office of the Assistant Secretary of Defense, Installation and Logistics. Tri-Service regulations, International Agreements, and those established herein, and is approved and administrated by the issuing authority as a joint standardization procedure.

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1. GENERAL

1.1 SCOPE: The Joint Communications Type Designation system (JETDS) and its procedures are mandatory for use in type designating of communications and electronic materiel. Type designations in this system shall be assigned to at least the following equipment types.

1.1.1 Radio (including telemetering, relay and terminal equipment).

1.1.2 Radar (including identification and recognition equipment).

1.1.3 Data processing as defined by indicators shown in Chart I (including electronic and electromechanical computers).

1.1.4 Flight control and aids to navigation for aircrafts, guided missiles, and space vehicles (including automatic and remote control, automatic pilots and air data computers which may be tied into fire-control equipment, instrument landing equipment, navigation equipment, and data link equipment).

1.1.5 Weapon control systems (including evaluation and scoring of gun, missile, bomb, and underwater weapon control).

1.1.6 Electronic countermeasures (including electronic deception and electronic jamming).

1.1.7 Radiac (Radioactive detection, indication and computation devices).

1.1.8 Infrared.

1.1.9 Laser.

1.1.10 Meteorological.

1.1.11 Magnetic amplifier and detection equipment.

1.1.12 Wire communication (including telephone, telegraph, teletype, facsimile, interphone, public address, recorders, reproducers).

1.1.13 Television.

1.1.14 Fiber Optics and associated equipments.

1.1.15 Equipment for the detection of noise and interference in the radio frequency spectrum.

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1.1.16 Underwater sound radiating and non-radiating equipment including those for listening, ranging, sounding, communication, and object location.

1.1.17 Training and instruction equipment for any of the above.

1.1.18 Equipment auxiliary and accessory to the preceding kinds of equipment, such as that shown in Tables II and III.

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2. REFERENCED DOCUMENTS

2.1 Documents referenced in this standard are of the issue in effect on the date of request for proposal.

STANDARDS

DOD-STD-100	Engineering Drawing Practices
MIL-STD-280	Definitions of Item Levels, Item Exchangeability, Models, and Related Items

HANDBOOKS

H6	Cataloging Handbook. Section A, Federal Item Name Directory for Supply Cataloging.

MANUALS

DOD 5220.22-M	Department of Defense Industrial Security Manual for Safeguarding Classified Information.

REGULATIONS

DOD 5200.1.R	Information Security Program Regulations.

JOINT REGULATION

AR 105-19 AFR 82-2	Joint Electronics Type Designation System
NAVMATINST 10550.14 MCO 10550.8	

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

Copies of this standard for military use may be obtained from Commanding Officer, Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, Pennsylvania 19120 or in accordance with the general provision of the Index of Military Specifications and Standards.

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3. DEFINITIONS

3.1 DEFINITIONS. For the purpose of this standard, the following definitions apply:

3.1.1 *Nomenclature:* The combination of an item name and a type designation. These are defined as follows:

3.1.1.1 Type Designation: A combination of letters and numerals arranged in a specific sequence to provide a short significant method of identification.

3.1.1.2 Item Name. A name published in the Federal Cataloging Handbook H6, or that name developed by the requestor in accordance with DOD-STD-100, that portion applicable to drawing titles. Item names used with type designation assignments will be consistent with the policies of the Federal Cataloging Program.

3.1.2 Electronics: The science and technology which is concerned with devices involving the emission behavior, and effect of electrons in vacuums, gases, and semiconductors. Technically, electronics is a broad term extending into divergent fields, and is necessary to define the scope covered by electronics in terms of "electronic materiel".

3.1.3 *Electronic materiel:* From a military point of view, generally including those electronic devices employed in the field of data processing, detection and tracking (underwater, sea, land, air and space), recognition and identification, communications, aids to navigation, weapons control and evaluation, flight control, and electronics countermeasures. In every case, electronic devices are understood to include peculiar non-electronic units required to complete their individual operational function, but to exclude associated non-electronic equipment identified by other type designation systems.

3.1.4 Models: The following list of types of modes, as defined in MIL-STD-280, is descriptive of the stages which may be involved in the overall process of research, development, and production. All of the listed types are not necessarily produced.

3.1.4.1 Exploratory development model.

3.1.4.2 Advanced development model.

3.1.4.3 Engineering development model.

3.1.4.4 Preproduction model.

3.1.4.5 Production model.

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3.1.5 Item Levels

3.1.5.1 Systems, subsystems, sets, groups, and units are as defined in MIL-STD-280.

3.1.5.2 Centrals and Centers not defined in MIL-STD-280 are as follows:

3.1.5.2.1 Center: A collection of units and items in one location, which provides facilities for the administrative control on an area of responsibility which is specifically assigned for development and maintenance of installations, control of personnel, or conduct of tactical operations.

3.1.5.2.2 Central: A grouping of sets, groups, units or combinations thereof, operated conjunctively in the same location for a common specific function. It may provide facilities for controlling, switching, monitoring, etc., electronic and electrical equipment from one central point (location).

3.1.6 Definitive systems, subsystems, centers, centrals, sets, groups and units are those configurations having a specific complement listing.

3.1.7 Variable systems, subsystems, centrals, centers, sets, and groups are those configurations whose functions may be varied through the addition or deletion of sets, groups, units, or combination thereof, which meet at least one of the following conditions.

3.1.7.1 Those assemblages described as capable of performing more than one function; with the functions being performed being dependent upon readily exchangeable sets, groups, units, or combinations thereof, chosen for that installation on a particular occasion. Installations may differ by configuration or function, but each installation must be capable of easy and ready conversion to the same function as any other installation. A majority of the items appearing in the complement listing, or combinations thereof, must be common to all installations.

3.1.7.2 Those assemblages which differ between installations due to configuration differences of items and may include changes in the number or use of minor items having no important bearing on the operations or functions of the assemblages, such as interconnecting boxes, mounting, or controls. All such assemblages, though physically different, must be functionally and electrically interchangeable.

3.1.7.3 Those assemblages whose scope or function may be varied through the addition or deletion of sets, groups, units or combinations thereof.

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3.1.7.4 Variable Unit: A unit as defined in MIL-STD-280, but whose capabilities or functions may be varied through the addition or deletion of assemblies, subassemblies or parts.

3.1.8 Electrical Interchangeability: The new item's capability of operation being equal to the old article without requiring any modifications to the existing power facilities, change to, or rewiring of connectors, etc.

3.1.9 Mechanical Interchangeability: The new item's capability of being physically installed and operated in the position previously occupied by another item without requiring any major modifications as to mounting holes, cabling, isolators, and so forth. Switches, connectors, and so forth shall be in the same location, within allowable tolerances. The center of gravity of the new item shall be the same as in the old item, within allowable tolerances.

3.1.10 Functional Interchangeability: The new item's capability of performing without additional assistance, all the operational capabilities covered by previous item.

3.1.11 Maintenance (repair) Parts Interchangeability: The capability of installing and operating a maintenance part in an item in lieu of a like item without the use of additional tools or modifications to the existing item or mounting facilities and with no appreciable effect on performance or ratings either electrical or mechanical.

3.1.12 Modification Letters: A modification letter is defined as a letter assigned in alphabetical sequence starting with the letter "A" to show a modification where interchangeability has been maintained. Example: Receiver, Radio R-250A/ARC is a modified version of the R-250/ARC and still interchangeable therewith. (See 5.12)

3.1.13 Part of: An item which is required to enable an equipment to fulfill its assigned function is part of that equipment. An item which is physically attached to and essential to the operation of another item is considered "part of" the item to which it is attached. In either event, the item must be issued automatically and in all instances with the equipment or item of which it is a "part of".

3.1.14 "Used with" but not "part of".

3.1.14.1 An item which extends the use of an equipment beyond its assigned functions and is issued for use with that equipment only under special circumstances is considered as "used with" but not "part of" that equipment.

3.1.14.2 An item which may be essential to the operation of another item but is not an integral part thereof, and not permanently attached thereto, is considered as "used with" but not "part of" the second item and is "part of" the equipment in which both are used.

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3.3.15 Department Control Point (DCP): The official control point within the military departments authorized to obtain joint electronic type designations from the Department of Defense Control Point.

3.1.16 Department of Defense Control Point (DODCP): The official assigning agency for the Department of Defense; responsible for the assignment of type designations within this system.

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4. GENERAL REQUIREMENTS

4.1 JETDS TYPE DESIGNATIONS SHALL BE ASSIGNED TO:

4.1.1 Complete systems, subsystems, centers, centrals, sets, groups, kits, and units of military design either definitive or variable in configuration. However, those equipments whose configuration vary due to differences in types or quantities of items, or combinations thereof, will be identified with the variable designator specified in paragraph 5.6.

4.1.2 Materiel of either commercial or military design, which are grouped for of a military purpose.

4.1.3 Electronic materiel of military design which are "part of" or "used with", an end item not identified in the JETDS.

4.4.4 Commercial materiel requiring military identification.

4.1.5 Electronic materiel of military design which operates independently.

4.2 JETDS TYPE DESIGNATIONS SHALL NOT BE ASSIGNED TO:

4.2.1 Materiel cataloged commercially. Exceptions: See 4.1.4.

4.2.2 Materiel below unit level as defined in MIL-STD-280.

4.2.3 Materiel having other identification in coordinated (joint) military specifications or type designation systems.

4.2.4 Commercial electronic equipment for the convenience of a vendor.

4.2.5 Commercial electronic equipment for the convenience of a foreign country which does not participate in the JETDS.

4.3 ASSIGNMENTS of joint electronic type designators shall be restricted to electronic equipment which is intended to become a part of a U.S. Service inventory, other Federal Agencies, or a Service inventory of another country which participates in the JETDS.

4.4 CANCELLATION.

4.4.1 JETDS TYPE DESIGNATIONS may be cancelled upon request by the originating service when:

4.4.1.1 There has been no procurement of the item.

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4.4.1.2 There are no experimental models.

4.4.1.3 No further use of the type designation is required for developmental purposes.

4.4.1.4 The item is no longer in a service inventory.

4.4.2 CANCELLED type designations will not be reactivated except upon request of, or coordinated approval of, the department that originally requested the type designation.

4.5 BASIS FOR ASSIGNMENT OR REVISION OF TYPE DESIGNATION

4.5.1 Each type designation assignment shall be assigned on the basis of technical data which contains sufficient electrical, mechanical, functional, and reference data to distinguish the item described from all other items. It is the responsibility of Government activities and contractors to provide all technical characteristics pertinent to the item being submitted for type designation and which are required for a complete understanding of its operating parameters. The type designators shall be determined by the technical characteristics of the item and not by its assigned name. (See Appendix E and J).

4.5.2 Only one type designation shall be assigned to each item.

4.5.3 PARENTHESIS. The use of parenthetical information after the type designation shall not be used except as specified in this standard.

4.5.4 When the technical data of the item is no longer technically correct, it is the obligation of the requesting service, or agency, to revise the technical data of such item. (See Appendix E and J).

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5. DETAILED REQUIREMENTS

5.1 GENERAL

5.1.1 Application. The JETDS is applicable to exploratory development, advance development, engineering development, pre-production and production electronic materiel as defined in MIL-STD-280. A type designation assigned is definitive in itself in that it will never be duplicated. Although the name portion may be changed for subsequent modification letter or variable assignments, the type designations will always apply to one specific article or subsequent models thereof, as indicated by the modification letter or specific variable configuration number.

5.2 SELECTION OF INDICATOR LETTERS.

5.2.1 Indicator letters will be selected in accordance with Table Numbers I, II or III.

5.3 TYPE DESIGNATIONS FOR DEFINITIVE SYSTEMS, SUBSYSTEMS, CENTERS, CENTRALS, AND SETS. (See Table I).

5.3.1 A type designation assignment for a definitive system, subsystem, central, center and set shall consist at the very least of an AN, a slant bar (solidus), a series of three letters, a dash, and a number. Examples: AN/VRC-12 and AN/SPS-10. The type designation AN/VRC-12 represents a radio communication set installed in a vehicle designed for functions other than carrying electronic equipment, etc., such as tanks and jeeps. Another set in a different category is the AN/SPS-10 which as indicated by the chart is a radar search set designed for installation aboard a water surface craft.

5.4 TYPE DESIGNATIONS FOR DEFINITIVE GROUPS. (See Table II).

5.4.1 All groups shall be identified by a two letter indicator selected from Table II, as applicable (e.g. OD, OE, OJ, OR, etc.). Applicable equipment indicator letters following the slant bar (solidus) will be selected from Table I after considering the potential of the group for multiple or peculiar application (e.g., OE-162/ARC, OJ-301/SP OR-221/U, OK-450/TRC-26, OD-311/GPS-4). Equipment indicators with a specific model number (e.g. OK-4550/TRC-26, OD-311/GPS-4, etc.) will be applied following the slant bar (solidus) only when the group is known to be peculiar to a specific equipment (e.g., AN/TRC-26, AN/GPS-4, etc.) with no known potential for other use (e.g., installation, equipment, purpose).

5.4.2 A group may include one or more electronic sets. In some cases the set may be a single major unit capable of performing an operational function.

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5.5 TYPE DESIGNATIONS FOR DIFINITIVE UNITS. (See Table III).

5.5.1 The type designation for units having one end item use shall consist of an indicator (Table III), a dash, a number, a slant bar (solidus) and the equipment it is a "part of" or "used with". Example: A receiver, "part of" or "used with" the AN/VRC-12 should be identified as R-40/VRC-12.

5.5.2 The type designation for units having multiple usage are identified in 5.5.1 except following the slant bar there will appear only those indicators which are common or appropriate. Example: A power supply, "part of" or "used with" AN/VRC-12 and AN/VRC-19 would be identified as PP-50/VRC. A power supply "part of" the AN/VRC-12 and "used with" the AN/VRR-40 would be identified as PP-60/VR. A power supply "part of" or "used with" the AN/GRC-26 and the AN/GPS-20 would be identified as the PP-70/G.

5.5.3 The indicator for a unit having a dual item name (e.g., Amplifier-Power Supply Group, will be selected to identify the primary function. Exception: When an indicator exists for a unit having a dual name, such as "RT" for Receiver-Transmitter and "PU" for Motor-Generator, the indicator appearing in Table III shall be used.

5.5.4 Commercial or "off-the-shelf" units and those units which can be determined to be of general use type, though at the time of assignment are "part of" or "used with" one set or set series shall be followed by a slant bar and the installation indicator letter shall be selected from Table I after considering the potential of the unit for multiple or peculiar application (e.g., PP-2871/GRC, PP-2002/GR, PP-1972/GRC-71).

5.6 TYPE DESIGNATIONS FOR VARIABLE SYSTEMS, SUBSYSTEMS, CENTERS, CENTRALS, SETS, GROUPS, AND UNITS.

5.6.1 Systems, subsystems, centers, centrals, sets, groups, or units with variable complement data will be assigned type designations in the same manner as for definitive versions, except that the parenthetical V, (V), will be added to the type designation (e.g., AN/FSG-1(V), OT-1957(V)/APQ-73(V), RT-2001(V)/GRC-90(V)).

5.6.2 Contractors will not prepare basic parenthetical V, (V) type designation requests (See 5.6.1) for variable commercial equipment, unless directed by procuring activity.

5.6.3 Assemblages differing only in the primary power requirements will not be assigned a (V), but will be identified by X, Y, and Z. (See 5.13).

5.6.4 Redesign for better reliability, maintainability, durability, miniaturization, pressuriation, partial installation of a multifunctioning definitive set or the use of transistors will not be considered justification for the assignment of (V).

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5.6.5 New assignments may be made to specific equipment configurations falling within the (V). The relationship to the (V) should be cited in application for nomenclature assignment. The converse is also permitted.

5.6.6 Systems, subsystems, centers, centrals, sets, or groups comprised of variable sets, groups, or units shall be assigned a (V).

5.6.7 Variable systems, subsystems, centers, centrals, sets, groups, or units shall have a number assigned following the parenthetical V, (V), when further identification is required to identify a specific configuraation of a variable system, central, set, group, or unit. Example: AN/ARC-75(V)1, AN/ARC-75(V)2 and AN/ARC-75(V)3; OT-1957(V)1/APQ-73(V), OT-1957(V)2/APQ-73(V) and OT-1957(V)3/APQ-73(V); RT-2001(V)1/GRC-98(V), RT-2001(V)2/GRC-98(V). A separate request for nomenclature shall be required for each specific configuration requested.

5.7 TYPE DESIGNATIONS FOR UNITS DESIGNED TO ACCEPT "PLUG-INS". Units designed to accept "plug-ins" which change the function, frequency, or technical characteristics shall be type designated with (P) preceding the slant bar. The "plug-ins" will not be considered "part of" the unit. Example: Receiver, Radio R-00(P)/GRC-19.

5.8 IDENTIFICATION OF AUTOMATIC DATA PROCESSING EQUIPMENT. A digit or digits in parentheses directly following the letters of the type designation may indicate the type of ADPE included. Examples: Set designation AN/UYK (1, 4, 5)-XX to indicate a (1) Digital Processor, (4) Input/Output device, (5) Punched card or tape equipment, Unit designation CP(2)-XX, to indicate an Analog Processor. (See last column of Table 1).

5.9 TYPE DESIGNATIONS FOR EQUIPMENTS DESIGNED FOR TRAINING PURPOSES

5.9.1 An equipment designed to provide training in the operation of a specific set will be assigned the specific set of designation followed by a dash, the letter T, and a number. Example: Radio Training Set AN/ARC-6A-T1 would be the first training set for Radio Set AN/ARC-6A (See last column of Table 1).

5.9.2 An equipment designed to provide training in the operation of various types of sets with the same indicator letters will be assigned set indicator letters based on the equipment it will be used to train for, followed by a dash, the letter T, and a number. Example: Radio Training Set AN/ARC-T1 would be the first training set geneal airborne radio communications sets.

5.9.3 An equipment designed to provide training in the operation of various types of sets with different indicator letters will be assigned general indicator letters as appropriate. Example: Radio Training Set AN/URC-T1 could be the first trainig set for both an airborne radio communications set (AN/ARC-27) and a ground radio communications set (AN/GRC-32).

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5.9.4 The letter T, denoting training, will be added to a unit or group type designation preceding the slant bar when the unit or group is "part of" a training equipment. Example: Receiver, Radio R-000T/ARC, or Receiver Group OR-000T/ARC.

5.10 TYPE DESIGNATIONS FOR EQUIPMENTS DESIGNED FOR TESTING OR MAINTENANCE PURPOSES.

5.10.1 Maintenance test equipments which consist of one or more major units plus one or more accessories, such as, cases, cords,, probes, adapters, etc., and are produced as a separate equipment are considered as sets and will be assigned set nomenclature as follows: maintenance and test sets which by purpose are intended for use with certain installation classes and type of basic sets (prime equipments) will be assigned "Installation" and "type of Equipment" indicators corresponding to the associated class and type followed by the letter "M" as the purpose indicator. Examples: Test Set, Radar AN/MPM-8: may be a test setbfor Radar Set AN/MPG-5, AN/MPS-12, AN/MPN-9: and the Test Set, Radio AN/URM-20 may be for Radio Set AN/TRC-7 and AN/ARC-2.

5.10.2 Maintenance and test units which are an integral part of a basic set or equipment will not be assigned type designations in accordance with preceding paragraph but will be considered as part of such basic set and will be assigned a type designation in accordance with the policy and procedures established herein for units. (See 5.5.1 thru 5.5.4).

5.11 EQUIPMENT INDICATOR LETTERS REQUIRING FURTHER DEFINITION. (See Table I).

5.11.1 Installation Indicator Letters.

5.11.1.1 Installation indicator letter "D" will be used for equipment installed in pilotless planes, drones, rockets, and guided missiles. Balloon or parachute type of installations will identified with the installation indicator letter "A".

5.11.1.2 Installation indicator ""F" will be used for equipment installed in fixed ground (non-moveable) installations.

5.11.1.3 Installation indicator letter "G" will be used for equipment capable of being used in two or more different type ground installations.

5.11.1.4 Installation indicator letter "M" will be used for equipment installed and operated from a vehicle whose sole function is to house and transport the equipment. The vehicle(s) must be "part of" the equipment.

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5.11.1.5 Installation indicator letter "P" will be used only when the equipment is specifically designed to operate while being carried by man.

5.11.1.6 Installation indicator letter "S" will be used for equipment installed in water surface craft or buoys.

5.11.1.7 Installation indicator letter "T" will be used for ground equipment that is designed for and is normally moved from place to place and is not covered by equipment indicators "G", "M", "U", or "V". The equipment is not capable of operation while being transported.

5.11.1.8 Installation indicator letter "U" will be used for an equipment capable of being used in a combination of two or more general installation classes, such as ground, shipboard, and airborne. It will also be used to identify a combination of two or more general installation classes (ground, shipboard, airborne) within any one equipment. Example: An equipment, a portion of which is installed on the ground, while another portion of the equipment is installed in an aircraft, will be assigned the installation indicator letter "U".

5.11.1.9 Installation indicator letter "V" will be used for equipment installed in a vehicle designed for functions other than carrying electronic equipment, such as, tanks, weapons carriers, etc. The equipment must be capable of operation while the vehicle is in motion.

5.11.1.10 Installation indicator letter "Z" will be used for equipment designed to be used in a combination or airborne installations, such as, aircraft, rockets, guided missiles, and drones.

5.11.2 Type of Equipment Indicator Letters.

5.11.2.1 Type of equipment indicator letter "P" will be used for the following types of equipment: Radar equipment, based on the radar definition of equipment which transmit radio energy and receives a reflected signal of this same energy from the target. The time interval between the transmission and reception of such signal is measured and translated into operational parameters.

5.11.2.1.1 Beacons which function with radar equipment.

5.11.2.1.2 Electronic recognition and identification systems.

5.11.2.1.3 Pulse-type navigational equipment.

5.11.2.2 Type of equipment indicator letter "R" will be used for all radio equipment except that for which a more specific indicator applies.

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5.12 MODIFICATION LETTERS.

5.12.1 Modification letters will be assigned to modified type designated equipments where interchangeability as defined in 3.1.8 thru 3.1.11 has been maintained. When a model is modified so that interchangeability is not maintained with all of its previous models, a new type designation shall be assigned.

5.12.2 The assignment of a new type designation to a modified model will be reflected by a modification letter assignment to the type designation of the next higher level, if appropriate, provided this level is interchangeable with all of its previous models. This order or progression may continue as high as is necessary for proper identification.

5.12.3 Modification letters shall be assigned to type designations for variable systems, subsystems, centers, centrals, sets, groups, and units, or for units designed to accept plug-ins, in the same manner as for those items that are definitive except that the modification letter shall precede the (V) or (P), as applicable. Example: AN/FPS-6A(V), RT-206A(P)/FPS.

5.12.4 A variable item that has been described and delivered to the Government as such, shall not have additional functions added thereto without a change in its type designation. The existence of new items to fulfill installation requirements only, without changing electrical or functional characteristics, will not require a change in the type designation at the next higher level.

5.12.4.1 An assignment of a modification letter to a specific configuration of a variable system, subsystem, center, central, set, group or unit shall not require other definitive configurations with the same type designation to change. Example: AN/ARC-75A(V)3 shall not require a change to AN/ARC-75(V)1 or AN/ARC-75(V)2.

5.12.5 An item of a variable assemblage, modified and improved to the extent that it requires a new type designation, shall have this modification reflected a the next higher level of nomenclature and in the same manner as for a fixed assemblage, paragraph 5.12.2.

5.12.6 The letters I, O, Q, S, X, Y, and Z will not be assigned as modification letters.

5.13 IDENTIFICATION OF SYSTEMS, SUBSYSTEMS, CENTERS, CENTRALS OR SETS WITH MODIFIED POWER REQUIREMENTS. A change in the power input voltage, phase, or frequency will be identified by the addition of the letters "X", "Y", or "Z" to the basic nomenclature or may be assigned a new type designation. Example: Radio Set AN/TRC-100 modified to a permit its operation on 24-volt dc rather than 110-volt ac could be identified as Radio Set AN/TRC-100X. Further modifications other than

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Power input will be identified as AN/TRC-100AX. Simultaneous modifications providing improvements as well as a power change will be identified by the modification letter "A", "B", or "C", etc., as applicable, to show product improvements and modification letter "X", "Y", or "Z", as applicable, to power input change. The first change in power input would be identified by the letter "X", the second by the letter "Y", the third by the letter "Z", the fourth by "XX", etc. New type designations will be applied to or units with power input change rather than applying the "X", "Y", or "Z" with power input change rather than applying the "X", "Y", or "Z" as as above.

5.14 IDENTIFICATION OF A SERIES OF ITEMS. A series of a basic item, all production and nonproduction versions, may be identified by a type designation which contains an empty parenthesis, commonly called a "bowlegs" or "generic" assignment in documentation and literature. Generic assignments shall not be used for marking of equipment. Example: AN/APS-25 ( ) or R-275( )/APS-25. The use of such an assignment is all inclusive with reference to no specific version within the series. The use of the assignment AN/APS-25B or T-175A/APS-25 would be a reference to a specific version within the series.

5.15 APPLICATION OF TYPE DESIGNATIONS TO EXPLORATORY DEVELOPMENT, ADVANCED DEVELOPMENT, ENGINEERING DEVELOPMENT, OR PREPRODUCTION EQUIPMENT.

5.15.1 To identify a specific exploratory development, advanced development, engineering development, or preproduction equipment, a development organization indicator, selected from Table IV and followed by a numeral, is inserted in the parenthesis. Successive versions are identified by progressive numerals. Example: (XN-1), (XC-2), (XC-3), etc.

5.15.2 When a development organization indicator is included by such use of parenthesis but is not followed by a specific numeral, broad identification of such exploratory development, advanced development, engineering development, or preproduction models is thus intended. Example: AN/SPS-100(XG) identifies all exploratory development, advanced development, engineering development, or preproduction versions of AN/SPS-100 of the U.S. Navy Electronics Laboratory, San diego, California

5.15.3 It is the responsibility of the Developing Activity or Military Department Control Point to assign and record specific type designation without notification to the Department of Defense Control Point. Experimental indicators are not to be included on requests for nomenclature action.

5.16 UNIT ASSIGNMENTS REQUIRING FURTHER DEFINITION.

5.16.1 Servo amplifiers. Servo amplifiers of electronic type (non--rotating) will be assigned the unit indicator "AM". The rotating tupe will be assigned "PU".

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5.16.2 Cable assemblies, waveguides, cords, transducers, sonar projectors, and hydrophone type designations which include the parenthetical (-ft-in) will not be assigned a specific equipment indicator after the slant bar e.g., /GRC-26, but will be assigned a more general indicator, such as, /U or /GR. In each case, the request for type designation must include the phrase "length to be specified". Examples: For /U, "for general utility use", for /GR "for general ground radio use". Exception: Parenthetical (-ft-in) may be applied to cable assemblies, waveguides, cords, transducers, sonar projectors and hydrophones assigned specific equipment indicators when the end item configuration includes several of any one of these type of items that are identical except for length. The use of (-ft-in) in this instance will be limited to new assignment commensurate with the effective date of this document and will not be retroactive.

5.16.2.1 Contractors will not prepare type designation requests for cable assemblies, unless directed by procuring activity.

5.16.3 Plug-in-units, whose descriptions are based on their functions, such as, amplifiers, receivers, transmitters, etc., will be assigned unit indicators based on their function e.g., AM, R, T, respectively. If no indicator exists, for a given function then the indicator "PL" will be be assigned.

5.16.4 BATTERIES.

5.16.4.1 Assignments for primary type (non-rechargeable) batteroes will be made in several numerical blocks, under the type designation indicator "BA", as follows: 1 to 999 for conventional leclanche and others i.e. Automatic Activated Silver Zinc, Thermal and Water Activated; 1000 to 1999 for Mercury Types (RM); 2000 to 2999 for Low Temperature types; 3000 to 3999 for Alkaline Manganese Dioxide Types; 4000 to 4999 for Manganese Types; 5000 to 5999 for Lithium-Organic Electrolyte Types.

5.16.4.2 Secondary Type (Rechargeable) Storage Batteries will be assigned consecutively, in numerical sequence, under type designation indicator "BB".

5.17 USE OF ASSIGNED TYPE DESIGNATIONS. All departments will use the official type designations strictly as assigned. When type designations are used in automatic data processing systems the military services may eliminate the "AN", "solidus" (slant bar), "dash", and the parenthesis around suffix letters "P" and "V" as an entity. Assignments may be changed upon the request of the initiating activity provided that such a change is not contrary to established policy. Where necessary, item names may be ommitted from identification markings on equipments at the discretion of the responsible department.

5.18 REPLACEMENT. Department of the Army, Navy, Air Force, or DOD Agencies and participating services type designations may be e@;aced bu type designations in this system upon:

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5.18.1 Request by cognizant activity.

5.18.2 Request by the using activity with the concurrence of the cognizant activity.

5.19 COORDINATION. Any action requested by a department Control Point against an existing type designated item under design cognizance of another Department Control Point, will be coordinated with the originating Department Control Point prior to submission to the Department of Defense Control Point; a copy of the concurrency by the cognizant activity should be included with the submission. Internal coordination within the respective Departments will also be accomplished by the requesting Department Control Point. (See Appendix F).

5.20 SECURITY CLASSIFICATION.

5.20.1 Requests for Nomenclature (DD Form 61 or facsimile) shall include both the security classification of the item described (hardware) and the classification of the information contained thereon (data). Unclassified requests covering classified equipment will be stamped top and bottom, "UNCLASSIFIED". All officially assigned JETDS nomenclatures shall be unclassified in order to provide a ready means of identification, in correspondence and other means of communications.

5.20.1.1 All classified Requests for Nomenclature will be submitted in accordance with Regulation, DOD 5200.1R or applicable security documents issued by other agencies.

5.20.2 Prior to submission of a classified Request for Nomenclature (DD Form 61 or facsimile) to the Department of Defense Control Point (DODCP), the Department Control Point (DCP) will assure that each data element on the request will be marked with the appropriate Security Classification marking immediately preceding and to the left of the data elements involved and the symbols (S), (C), and (U) shall be used respectively for SECRET, CONFIDENTIAL, and UNCLASSIFIED. Where a combination of classified information appears on a document each element shall be appropriately marked as to its classification, including unclassified.

5.20.3 Regrading of existing classified technical data is accomplished by the automatic downgrading regulations indicated in 5.20.1.1. Earlier regrading action is encouraged and may be accomplished by the Department Control Point by the submission of a DD Form 61 (See Figure 6) to the Department of Defense Control Point. (See Appendix G).

5.21 INTERNATIONAL INTERESTS - International Participants shall conform to International Standardization Agreements and this standard. (See Appendix A, B, C, D and H).

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Custodians:
Army - CR
Navy - EC
Air Force - 11
Reviewer:
Army - AR, AV, MI
Navy - AS, OS
Air Force - 26
National Security Agency
User:
Navy - MC
International Interest:
Air Standaardization Coordinating Committees (ASCC)

Preparing Activity:
Army - CR
Project No. MISC - OB93

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TABLE I. TABLE OF EQUIPMENT INDICATORS

Installation (1st letter)	Type of Equipment (2nd letter)	Purpose (3rd letter)	Miscellaneous Identification
A-Piloted aircraft B-Underwater mobile, submarine D-Pilotless carrier F-Fixed ground G-General ground use K-Amphibious M-Ground, mobile P-Portable S-Water T-Ground, transportable U-General utility V-Ground, vehicular W-Water surface and under water combination Z-Piloted and pilotless airborne vehicle combination	A-Invisible light, heat radiation C-Carrier D-Radiac E-Laser G-Telegraph or Teletype I-Interphone and public address J-Electromechanical or inertial wire covered K-Telemetering L-Countermeasures M-Meteorological N-Sound in air P-Radar Q-Sonar and underwater sound R-Radio S-Special types, magnetic, etc. or combinations of types T-Telephone (wire) V-Visual and visible light W-Armament (peculiar to armament, not otherwise covered X-Facsimile or television Y-Data Processing	A-Auxilliary Assembly (See Foot Note #2 B-Bombing C-Communications (Receiving and transmitting) D-Direction finder reconnaissance and/or surveillance E-Ejection and/or release G-Fire control, or searchlight directing H-Recording and/or reporducing (graphic meteorological and K-Computing M-Maintenance and/or test assemblies (including tool) N-Navigational aids (including altimeters, beacons, compasses, racons, depth sounding, approach and landing) Q-Special, or combination of purposes R-Receiving, passive detecting S-Detecting and/or range and bearing, search T-Transmitting W-Automatic flight or remote control X-Identification and recognition Y-Surveillance (search, detect, and multiple target tracking) and control (both fire control and air control)	X, Y, Z-Changes in voltage phase, or frequency (See 5.13) T -Training (See 5.9) (V) -Variable grouping (See 5.6.1) (P) -Unit Accepting Plug-ins (See 5.12.3) (X) -Developmental Indicators (See 5.15) ( ) -Developmental or Series "Generic" Assignment (See 5.14) (-Ft-in) -Identical Items w/ varying legnths (See 5.16.2) AUTOMATIC DATA PROCESSING (ADP) 1. Digital Equipment only 2. Analog Equipment only 3. Hybrid (Digital and Analog) Equipment 4. Input/Output Device 5. Punched Card or Tape Equipment 6. Others (See 5.8)

Footnote #1 Indicator letters, previously removed from Table I are not to be used for new type designation assignments for the following:
Installation: C - Air transportable. Type of Equipment: B - Pigeon; E - Nupac; F - Photographic
Purpose: L - Searchlight control; P - Reproducing.

Footnote #2 For Department Control Point Use. Not for use by contractors unless directed by procuring activity.

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TABLE II. TABLE OF GROUP INDICATORS

Group Ind.	Family Name	(not to be construed as limiting the application of the group indicator)
OA	Miscellaneous Groups.....	Groups not otherwise classified Do not use if a more specific indicator, such as OD, OE, OG, etc., applies.
OB	Multiplexer and/or demultiplexer groups.....	Multiplexer groups, demultiplexer groups, composits thereof.
OD	Indicator Groups.....	All types.
OE	Antenna groups.....	All types.
OF	Adapter groups.....	All types.
OG	Amplifier groups.....	All types.
OH	Simulator groups.....	All types.
OJ	Consoles and console groups...	All types.
OK	Control groups.....	All types.
OL	Data analysis and data processing groups.....	All types.
OM	Modulator and/or demodulator groups.....	Modulator groups, demodulator groups, composites thereof.
ON	Interconnecting groups.....	All types.
OP	Power Supply groups.....	All Non-Rotating types.
OQ	Test Set groups.....	All types.
OR	Receiver groups.....	All types.
OT	Transmitter groups.....	All types.
OU	Converter groups.....	All types.
OV	Generator groups.....	All types excluding power generating equipment.
OW	Terminal groups.....	Telegraph, telephone, radio, etc.
OX	Coder, decoder, interrogator, transponder groups.....	All types.
OY	Radar Set groups.....	Do not use if a more specific indicator, such as, OE, OR, OT, etc. applies.
OZ	Radio Set groups.....	Do not use if a more specific indicator, such as OE, OR, OT, etc. applies.

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TABLE III. TABLE OF UNIT INDICATORS

Unit Ind.	Family Name	Example of use (not to be construed as limiting the application of the unit indicator)
AB	Supports, antenna.....	Antenna mounts, mast bases, mast sections, towers, etc.
AM	Amplifiers.....	Power, Audio, interphone, radio frequency, video, electronic control, etc.
AS	Antenna, simple and complex	Arrays, porabolic type, masthead whip or telescopic loop, dipole, reflector, etc.
BA	Battery, primary type.....	Batteries, battery packs, etc.
BB	Battery, secondary type....	Storage batteries, battery packs, etc.
BZ	Alarm units.....	All types.
C	Controls.....	Control box, remote tuning control, etc.
CA	Computers Auxillary Units..	Input-output. Peripheral, etc.
CD	Controlling Devices.....	Complex controlling devices.
CC	Cable assemblies, RF.....	RF Cables, waveguides, transmission lines, etc., with terminals.
CM	Comparators.....	Compares two or more input signals.
CN	Compensators.....	Electrical and/or mechanical compensating, regulating or attenuating apparatus.
CP	Computers.....	A mechanical and/or electronic mathematical calculating device.
CU	Couplers.....	Impedance coupling devices, directional couplers, etc.
CV	Converters (electronic)....	Electronic apparatus for changing the phase frequency, or from "one" medium to "another".
CW	Radomes.....	Radomes.
CX	Cable assemblies, non RF...	Non RF cables with terminals, test leads, also composite cables of RF and non RF conductors.
CY	Cases and cabinets.....	Rigid and semirigid structure for enclosing or carrying equipment.
D	Dispensers.....	Chaff.
DA	Load, dummy.....	RF and non RF test loads.
DT	Detecting heads.....	Magnetic, Capacitive or Optical pickup devices, Search coil, hydrophones, etc. Electronic types; band pass, low pass, band suppression, noise telephone, filter networks; excludes non-reparable types.
F	Filter Units.....	Electronic types, band-pass, low pass, band suppression, noise, telephone, filter networks; excludes non-repairable types.

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TABLE III. (CONT'D) TABLE OF UNIT INDICATORS

Unit Ind.	Family Name	Example of Use (not to be construed as limiting the application of the unit indicator)
FR	Frequency measuring device.....	Frequency meters, tuned cavity, etc.
G	Generators, power.....	Electrical power generators without prime movers (See PU)
GO	Goniometers.....	Instrument for measuring angles are determination of energy transferred from moving to fixed coil (directional antennas etc.)
H	Head, hand, and chest sets.....	Includes earphone.
HD	Environmental apparatus.....	Heating, cooling, dehumidifying, pressure, vacuum devices, etc.
ID	Indicator units, non-cathode-ray tube.....	Calibrated dials and meters, indicating lights, etc. (See IP)
IM	Intensity measuring devices....	Includes SWR gear, field intensity and noise meters, slotted lines, etc.
IP	Indicator units, cathode-ray tube.....	Azimuth, elevation, panoramic, etc.
J	Interface units.....	Interconnecting and junction units, etc. Do not use if a more specific indicator applies.
KY	Keying devices.....	Mechanical, electrical and electronic keyer coders, interrupters, etc.
LS	Loudspeakers.....	Separately housed loudspeakers, inter-communication stations.
M	Microphones.....	Radio, telephone, throat, hand, etc.
MD	Modulators, demodulators, discriminators.....	Device for varying amplitude, frequency or phase.
ME	Meters.....	Multimeters, volt-ohm-millimeters, vacuum tube voltmeters, power meters, etc.
MK	Miscellaneous kits.....	Maintenance, modification, etc.
ML	Meteorological devices.....	Miscellaneous meteorological equipment, etc.
MT	Mountings.....	Mountings, racks, frames, stands, etc.
MX	Miscellaneous.....	Equipment not otherwise classified. Do not use if better indicator is available.
MU	Memory units.....	Memory units.
O	Oscillators.....	Master frequency, blocking, multi-vibrators, etc. (for test oscillators, see SG)
OC	Oceanographic devices.....	Bathythermograph, etc.

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TABLE III. (CONT'D) TABLE OF UNIT INDICATORS

Unit Ind.	Family Name	Example of Use (not to be construed as limiting the application of the unit indicator)
OS	Oscilloscope, test.....	Test oscilloscope for general test purposes (See IP)
PL	Plug-in units.....	Plug-in units not otherwise classified.
PP	Power Supplies.....	Nonrotating machine type such as vibrator pack rectifier, thermo-electric, etc.
PT	Mapping and plotting units....	Electronic types only.
PU	Power equipments.....	Rotating power equipment, motor-generator, dynamotors, etc.
R	Receivers.....	Receivers, all types except telephone.
RD	Recorder-reproducers.....	Sound, graphic, tape, wire, film, disc, facsimile, magnetic, mechanical, etc.
RE	Relay assembly units.....	Electrical, electronic, etc.
RL	Reeling machines.....	Mechanism for dispensing and rewinding antenna or field wire, cable, etc.
RO	Recorders.....	Sound, graphic, tape, wire, film disc, facsimile, magnetic, mechanical, tape and card punch, etc.
RP	Reproducers.....	Sound, graphic, tape, wire, film, disc, facsimile, magnetic, mechanical, punched tape and card readers, etc.
RR	Reflectors.....	Target, confusion, etc. Except antenna reflectors (See AS).
RT	Receiver and Transmitter.....	Radio and radar transceiver, composite transmitter and receiver, etc.
S	Shelter.....	Protective shelter, etc.
SA	Switching units.....	Manual, impact, motor driven, pressure operated, electronic, etc.
SB	Switchboards.....	Telephone, fire control, power, power distribution, etc.
SG	Generator, signal.....	Test oscillators, noise generators, etc. (See O).
SM	Simulators.....	Flight, aircraft, target, signal, etc.

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TABLE III. (CONT'D) TABLE OF UNIT INDICATORS

Unit Ind.	Family Name	Example of Use (not to be construed as limiting the application of the unit indicator)
SN	Synchronizers.....	Equipment to coordinate two or more functions.
SU	Optical Units.....	Electro-optical units, such as, night vision, auto-collimator, scope, sights, viewers, trackers, alignment equipment.
T	Transmitters.....	Transmitters, all types, except telephone.
TA	Telephone apparatus.....	Miscellaneous telephone equipment.
TB	Towed Body.....	Hydrodynamic enclosures used to house transducers, hydrophones, and other electronic equipment.
TD	Timing devices.....	Mechanical and electronic timing devices, range devices, multiplexers, electronic gates, etc.
TF	Transformers.....	When used as separate units.
TG	Positioning devices.....	Tilt and/or train assemblies.
TH	Telegraph apparatus.....	Miscellaneous telegraph apparatus.
TK	Tool Kits.....	Special Types.
TN	Tuning units.....	Receiver, transmitter, antenna, tuning units, etc.
TR	Transducers.....	Sonar transducers, vibration pickups, etc. (See H, LS, and M).
TS	Test units.....	Test and measuring equipment otherwise classified. Do not use if more specific indicators apply.
TT	Teletypewriter and facsimile apparatus.....	Miscellaneous tape, teletype, facsimile equipment, etc.
TW	Tape units.....	Preprogrammed with operational test and check out data.
V	Vehicles.....	Carts, dollies, vans peculiar to electronic equipment.
ZM	Impedance measuring devices.	Used for measuring Q, C, L, R, or PF, etc.

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TABLE III. (CONT'D) TABLE OF UNIT INDICATORS

The following indicator letters previously removed from Table III are not to be used for new type designation assignments:

AT - Antenna, simple
CA - Commutator assemblies
CB - Capacitor bank
CD - Crystal Kits
CR - Crystals
DY - Dynamotors
E - Hoists
FN - Furniture
GP - Ground rods
HC - Crystal holders
IL - Insulators
LC - Tools, line construction
MA - Magazines
MF - Magnets or magnetic field genertors
PD - Prime drivers
PF - Fittings, pole
PG - Pigeon articles
PH - Photographic articles
RC - Reels
RF - Radio freq components
RG - Cables, RF, bulk
ST - Straps
TC - Towed Cable
TL - Tools
TV - Tester, tube
U - Connectors, audio and power
UG - Connectors, RF
VS - Signaling equip, visual
WD - Cables, 2 cond
WF - Cables, 4 cond
WM - Cables, multiple cond
WS - Cables, single cond
WT - Cables, 3 cond

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TABLE IV TABLE OF DEVELOPMENT ACTIVITY INDICATORS

Air Force

XA	Aeronautical Systems Division; Wright-Patterson AFB, OH 45433
XD	Electronics Systems Division, Hanscom AFB, MA 01731
XI	Armament Development and Test Center, Eglin AFB, FL 32542
XV	Air Force Weapons Laboratory, Kirtlank AFB, NM 87117
XW	Rome Air Development Center, Griffiss AFB, NY 13441
XAA	Space and Missile Systems Organization, Norton AFB, CA 92409

The following Air Force designators are to be used for assigning additional designations to previously type designated items. For all new equipments use XA.

XH	Aeriel Reconnaissance Laboratory, Wright-Patterson AFB, OH
XK	Flight Control Laboratory, Wright-Patterson AFB, OH
XQ	Aeronautical Accessories Laboratory, Wright-Patterson AFB, OH
XS	Electronic Componet Laboratory, Wright-Patterson AFB, OH
XY	Weapons Guidance Laboratory, Wright-Patterson AFB, OH

Inactive

XCC	Air Force Missile Test Center, Patrick AFB, Fl 32925

Navy

XB	Naval Research Laboratory, Washington, DC 20375
XG	Naval Ocean Systems Center, San Diego, CA 92152
XJ	Naval Air Development Center, Warminster, PA 18974
XN	Department of the Navy, Washington, DC 20360
XU	Naval Underwater Systems Center, New London Laboratory, New London, CT 06320
XAN	Naval Avionics Center, Indianapolis, IN 46218
XCA	Naval Weapons Support Center, Crane, IN 47522
XCL	Naval Weapons Center, China Lake, CA 93555
XDV	Naval Surface Weapons Center, Dahlgren, VA 22448
XGS	Ground Support Equipment Division, Naval Air Engineering Center, Lakehurst, NJ 08733
XIH	Naval Ordance Station, Indian Head, MD 20640
XMG	Pacific Missile Test Center, Point Mugu, CA 93042
XUC	Naval Undersea Center, San Diego, CA 93132
XPC	Naval Coastal Systems Laboratory, Panama City, FL 32407
XWH	Naval Weapons Station, Earle, NJ (Mail Addres) Colts Neck, NJ 07722
XWO	Naval Surface Weapons Center, White Oak Laboratory, Silver Spring, MD 20910

Inactive

XCR	Naval Weapons Center, Corona Laboratory, Corona, CA 91720
XZ	Bureau of Naval Weapons Activities

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TABLE IV (CONT'D) DEVELOPMENT ACTIVITY INDICATORS

Army

XC	US Army Communications-Electronics Command (CECOM) Fort Monmouth, N. J. 07703-5006
XO	US Army Missile Research & Development Command (MIRADCOM) Redstone Arsenal, AL 36809
XT	US Army Intelligence & Security Command (INSCOM) Arlington Hall Station, VA. 22212
XAV	US Army Aviation Research & Development Cofmmand (AVRADA), Fort Monmouth, N. J. 07703
XER	US Army Electronics Research & Development Command (ERADCOM), Adelphi, MD 20783
XME	US Army Mobility Equipment Research & Development Command (MERADCOM) Fort Belvoir, VA 22060

Inactive

XE	US Army Electronics Laboratories, Fort Monmouth, N. J. 07703
XF	Frankford Arsenal, Phila, PA.
XL	US Army Signal Electronics Research Unit, Mountain View, CA.
XM	US Army Signal Engineering Laboratories, Hexagon, Fort Monmouth, N. J. 07703
XAE	US Armyn Research & Development Activity, Fort Huachuca, AZ
XBB	US Army Electronics Command, Proc & Prd Div, Fort Monmouth, N. J. 07703
XDD	US Army Signal Air Defense Engineering Agency, Fort George G. Meade, MD.
XLW	US Army Limited Warfare Laboratories, Aberdeen Proving Ground, MD
XPM	US Army Project Michigan, Ypsilant, MI

NSA

XR	National Security Agency, Fort George G. Maeade, MD 20755

Canada

XP	Candian Department of Defense, Ottawa, Canada

Australia

(TO BE FURNISHED LATER)

New Zealand

(TO BE FURNISHED LATER)

United Kingdom

(TO BE FURNISHED LATER9

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APPENDIX A

CANADIAN PARTICIPATION

10. GENERAL

10.1 Scope. This appendix establishes policy and mandatory procedures covering Canadian Department of National Defence, Canada participation in the Joint Electronics Type Designation System (JETDS) for use in type designating of communications and electronic materiel based on international agreements and standards.

10.2 Application.

10.2.1 Type designations in this system shall be applicable to the following equipment types:

10.2.1.1 Radio (including telemetering, relay and terminal equipment).

10.1.1.2 Radar (including identification and recognition equipment).

10.2.1.3 Data processing (including electronic and electromechanical computers).

10.2.1.4 Flight control and aids to navigation for aircraft, guided missiles, and space vehicles (including automatic and remote control, automatic pilots and air data computers which may be tied into fire-control equipment, instrument landing equipment, navigation equipment, and data link equipment).

10.2.1.5 Weapon control systems (including evaluation and scoring of gun, missile, bomb, and underwater weapon control).

10.2.1.6 Electronic countermeasures (including electronic deception and electronic jamming).

10.2.1.7 Radiac (Radioactive detection, indication and computation devices).

10.2.1.8 Infrared.

10.2.1.9 Laser.

10.2.1.10 Meteorological.

10.2.1.11 Magnetic amplifier and detection equipment.

10.1.1.12 Wire communication (including telephone, telegraph, teletype, facsimile, interphone, public address, recorders, reproducers).

10.1.1.13 Television.

10.1.1.14 Fiber Optics and associated equipments.

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10.2.1.15 Equipment for the detection of noise and interference in the radio frequency spectrum.

10.2.1.16 Underwater sound radiating and non-radiating equipment including those for listening, ranging, sounding, and object location.

10.2.1.17 Training and instruction equipment for any of the above.

10.2.1.18 Equipment auxiliary and accessory to the preceding kinds of equipment.

10.2.2 Type designations in this system are applicable to exploratory development, advance development, engineering development, pre-production and production electronic materiel as defined in MIL-STD-280.

20. REFERENCE DOCUMENTS

a. United States JCEC Memorandum for Secretary, CAN JCEC (Washington), 20 August 1951, Ref. No. CECM-729-51, subject: Canadian Integration with US "AN" Nomenclature Systems.

b. Canadian JCEC Memorandum for Secretary, US JCEC, 11 October 1951, Ref. No. CJT 17-10, subject: Nomenclature Integration with US "AN" Nomenclature Systems.

c. Canadian Department of National Defence Letter is October 1951, Ref. No. ESSC 16-0, subject: "AN" Nomenclature Systems.

d. Air Standardization Agreements ASCC Air STD 19/1, 29 October 1980.

e. MIL-STD-280 Definitions of Item Levels, Item Exchangeability, Models and Related Terms.

30. DEFINITIONS

Not Applicable

40. GENERAL REQUIREMENTS

40.1 Nomenclature Assignments. Canadian requests for nomenclature are assigned and registered by the Canadian Force Headquarters in conformance with the JETDS policies.

40.2 Notification. Canada notifies the United States Department of Defense Control Point (DODCP), for confirmation or assignments. Where a JETDS assignment has previously been made, Canada will use the JETDS assignment and this will also apply in the reverse.

40.3 Distribution. Canada transmits to the DODCP copies of the Descriptive details of each Canadian unclassified nomenclature assignment, revision and cancellation action on the Canadian form equivalent of DD Form 61.

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40.4 Item Identification. The identification of an item once established by Canada or the United States should be perpetuated in any subsequent procurement of the item by either Canada or the United States.

50. Detailed Requirements.

50.1 Modification Letter Assignments.

50.1.1 Requests by United States Military Services and agencies for Modification Letter Assignments to Canadian equipment will be coordinated with Canada and assigned from the Canadian register.

50.1.2 Requests by Canadian Services for Modification Letter Assignments to United States equipments will be coordinated by the DODCP with the cognizant services or agencies and assigned from the United States register.

50.2 Systems, Subsystems, Centers, Centrals, and Set Numbers.

The block of numbers (500 to 599 and 2500 to 2599) shall be used by Canada in the assignment of equipment numbers for systems, subsystems, centers, cesntrals and sets.

50.3 Unit and Group Numbers. The block of nuymbers (5,000 to 5,999 and 25,000 to 25,999) shall be used by Canada in the assignment of equipment numbers for units and groups.

50.4 Battery Assignments. Primary "BA" and secondary "BB" battery assignments will be made from the United States register.

50.5 Distribution of Technical Data. Canada shall be on the distribution list for unclassified Joint Electronics Type Designation System (JETDS) technical data.

50.6 Copies of Technical Data. Canada is furnished the required number of copies of unclassified technical data for distribution within the Canadian Department of National Defence.

50.7 Confidential and Secret Equipment. Nomenclature assignments for confidential and secret equipments are made known, but classified descriptive details are provided only upon approval of requests on an individual equipment basis.

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APPENDIX B

AUSTRALIAN PARTICIPATION

10. GENERAL

10.1 Scope. This appendix establishes policy and mandatory procedures covering Australian Department of Defence, Australia participation in the Joint Electronics Type Designation System (JETDS) for use in type designating of communications and electronic materiel based on international agreements and standards.

10.2 Application.

10.2.1 Type designations in this system shall be applicable to the following equipment types:

10.2.1.1 Radio (including telemetering, relay and terminal equipment).

10.2.1.2 Radar (including identification and recognition equipment).

10.2.1.3 Data processing (including electronic and electromechanical computers).

10.2.1.4 Flight control and aids to navigation for aircraft, guided missiles, and space vehicles (including automatic and remote control, automatic pilots and air data computers which may be tied into fire-control equipment, instrument landing equipment, navigation equipment, and data link equipment).

10.2.1.5 Weapon control systems (including evaluation and scoring of gun, missile, bomb, and underwater weapon control).

10.2.1.6 Electronic countermeasures (including electronic deception and electronic jamming).

10.2.1.7 Radiac (Radioactive detection, indication and computation devices).

10.2.1.8 Infrared.

10.2.1.9 Laser.

10.2.1.10 Meteorological.

10,2,1,11 Magnetic amplifier and detection equipment.

10.2.1.12 Wire communication (including telephone, telegraph, teletype, facsimile, interphone, public address, recorders, reproducers).

10.2.1.13 Television.

10.2.1.14 Fiber Optics and associated equipments.

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10.2.1.15 Equipment for the detection of noise and interference in the radio frequency spectrum.

10.2.1.16 Underwater sound radiating and non-radiating equipment including those for listening, ranging, sounding, communication, and object location.

10.2.1.17 Training and instruction equipment for any of the above.

10.2.1.18 Equipment auxiliary and accessory to the preceding kinds of equipment.

10.2.2 Type designations in this system are applicable to exploratory development, advance development, engineering development, pre-production and production electronic materiel as defined in MIL-STD-280.

20. REFERENCE DOCUMENTS.

a. Military Communications Electronics Board Memorandum for Secretary, AJCES(W) Ref. No. MCEB-M.30-76 (J-1367 ES), 20 January 1976, Subject: Joint Electronics Type Designation System (JETDS) - Proposed Australian Introduction.

b. Air Standardization Agreement ASCC Air STD 19/1, 29 October 1980.

c. MIL-STD-280 - Definitions of Item Levels, Item Exchangeability, Models.

30. DEFINITIONS.

Not applicable.

40. GENERAL REQUIREMENTS.

40.1 Nomenclature Assignments. Australian requests for nomenclature are assigned and registered by the Department of Defence, Australia.

40.2 Notification. Australia notifies the United States Department of Defense Control Point (DODCP), for confirmation or assignments. Where a JETDS assignment has previously been made, the Australians will use the JETDS assignment and this will also apply in the reverse.

40.3 Distribution. Australia transmits to the DODCP copies of the descriptive details of each Australian unclassified nomenclature assignment, revision and cancellation action on the Australian form equivalent of DD Form 61.

40.4 Item Identification. The identification of an item once established by Australia or the United States should be perpetuated in any subsequent procurement of the item by either Australia or the United States.

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50. Detailed Requirements.

50.1 Modification Letter Assignments.

50.1.1 Requests by United States Military Services and agencies for Modification Letter Assignments to Australian equipment will be coordinated with Australia and assigned from the Australian register.

50.1.2 Requests by Australian Services for Modification Letter Assignments to United States equipments will be coordinated by the DODCP with the cognizant services or agencies and assigned from the United States register.

50.2 Systems, Subystems, Centers, Centrals, and Set Numbers.

The block of numbers (2000 to 2099) shall be used by Australia in the assignment of equipment numbers for systems, subsystems, centers, centrals and set numbers.

50.3 Unit and Group Numbers.1 The block of unit numbers (20,000 to 21,999) shall be used by Australia in the assignment of equipment numbers for units and groups.

50.4 Battery Assignments. Primary "BA" and secondary "BB" battery assignments will be made from the United States register.

50.5 Distribution of Technical Data. Australia shall be on the distribution list for unclassified Joint Electronics Type Designation System (JETDS) technical data on microform.

50.6 Copies of Technical Data. Australia is furnished the required number of copies of unclassified technical data for distribution within the Australian Department of National Defence.

50.7 Confidential and Secret Equipment. Nomenclature assignments for confidential and secret equipments are made known, but classified descriptive details are provided only upon approval of requests on an individual equipment basis.

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APPENDIX C

NEW ZEALAND PARTICIPATION

10. GENERAL

10.1 Scope. This appendix establishes policy and mandatory procedures covering Department of National Defence, New Zealand participation in the Joint Electronics Type Designation System (JETDS) for use in type designating of communications and electronic materiel based on international agreements and standards.

10.2 Application.

10.2.1 Type designations in this system shall be applicable to the following equipment types:

10.2.1.1 Radio (including telemetering, relay and terminal equipment).

10.2.1 2 Radar (including identification and recognition equipment).

10.2.1.3 Data processing (including electronic and electromechanical computers).

10.2.1.4 Flight control and aids to navigation for aircraft, guided missiles, and spare vehicles (including automatic and remote control, automatic pilots and air data computers which may be tied into fire-control equipment, instrument landing equipment, navigation equipment, and data link equipment) .

10.2.1.5 Weapon control systems (including evaluation and scoring of gun, missile, bomb, and underwater weapon control).

10.2.1.6 Electronic countermeasures (including electronic deception and electronic jamming).

10.2.1.7 Radiac (Radioactive detection, indication and computation devices).

10.2.1.8 Infrared.

10.2.1.9 Laser.

10.2.1.10 Meteorological.

10.2.1.11 Magnetic amplifier and detection equipment.

10.2.1.12 Wire communication (including telephone, telegraph, teletype, facsimile, interphone, public address, records, reproducers).

10.2.1.13 Television.

10.2.1.14 Fiber Optics and associated equipments.

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10.2.1.15 Equipment for the detection of noise and interference in the radio frequency spectrum.

10.2.1.16 underwater sound radiating and non-radiating equipment including those for listening, ranging, sounding, communication, and object location.

10.2.1.17 Training and instruction equipment for any of the above.

10.2.1.18 Equipment auxiliary and accessory to the preceding kinds of equipment.

10.2.2 Type designations in this system are applicable to exploratory development, advance development, engineering development, pre-production and production electronic materiel as defined in MIL-STD-280.

20. REFERENCE DOCUMENTS.

a. Air Standardization Agreement ASCC Air STD 19/1, 20 October 1980.

b. MIL-STD-280 Definitions of Item Levels, Item Exchangeability, Models and Related Terms.

30. DEFINITIONS.

Not applicable.

40. GENERAL REQUIREMENTS.

40.1 Nomenclature Assignments. New Zealand requests for nomenclature are assigned and registered by the New Zealand Department of Defence.

40.2 Notification. New Zealand notifies the United States Department of Defense Control Point (DODCP), for confirmation or assignments. Where a JETDS assignment has previously been made, New Zealand will use the JETDS assignment and this will also apply in the reverse.

40.3 Distribution. New Zealand transmits to the United States DODCP copies of the descriptive details of each New Zealand unclassified nomenclature assignment, revisions and cancellation action on the New Zealand form equivalent of DD Form 61.

40.4 Item Identification. The identification of an item once established by New Zealand or the United States should be perpetuated in any subsequent procurement of the item by either New Zealand or the United States.

50. Detailed Requirements.

50.1 Modification Letter Assignments.

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50.1.1 Requests by United States Military Services and agencies for Modification Letter Assignments to New Zealand equipment will be coordinated with New Zealand and assigned from the New Zealand register.

50.1.2 Requests by New Zealand Services for Modification Letter Assignments to United States equipments will be coordinated by the DODCP with the cognizant services or agencies and assigned from the United States register.

50.2 Systems, Subsystems, Centers, Centrals, and Set Numbers.

The block of numbers (2100 to 2199) shall be used by New Zealand in the assignment of equipment numbers for systems, subsystems, centers, centrals and sets.

50.3 Unit and Group Numbers. The block of unit numbers (21,000 to 21,999) shall be used by New Zealand in the assignment of equipment numbers for units and groups.

50.4 Battery Assignments. Primary "BA" and secondary "BB" battery assignments will be made from the United States register.

50.5 Distribution of Technical Data. New Zealand shall be on the distribution list for unclassified Joint Electronics Type Designation System (JETDS) technical data.

50.6 Copies of Technical Data. New Zealand is furnished the required number of copies of unclassified technical data for distribution within the New Zealand Department of National Defence.

50.7 Confidential and Secret Equipment. Nomenclature assignments for confidential and secret equipments are made known, but classified descriptive details are provided only upon approval of requests on an individual equipment basis.

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APPENDIX D

UNITED KINGDOM PARTICIPATION

10. GENERAL

10.1 Scope. This appendix establishes policy and mandatory procedures covering United Kingdom participation in the Joint Electronics Type Designation System (JETDS) for use in type designating of communications and electronic materiel based on international greements and standards.

10.2 Application.

10.2.1 Type designations in this system shall be applicable to the following equipment types:

10.2.1.1 Radio (including telemetering, relay and terminal equipment).

10.2.1.2 Radar (including identification and recognition equipment).

10.2.1.3 Data processing (including electronic and electromechanical computers).

10.2.1.4 Flight control and aids to navigation for aircraft, guided missiles, and spare vehicles (including automatic and remote control, automatic pilots and air data computers which may be tied into fire-control equipment, instrument landing equipment, navigation equipment, and data link equipment).

10.2.1.5 Weapon control systems (including evaluation and scoring of gun, missile, bomb, and underwater weapon control).

10.2.1.6 Electronic countermeasures (including electronic deception and electronic jamming).

10.2.1.7 Radiac (Radioactive detection, indication and computation devices).

10.2.1.8 Infrared.

10.2.1.9 Laser.

10.2.1.10 Meteorological.

10.2.1.11 Magnetic amplifier and detection equipment.

10.2.1.12 Wire communication (including telephone, telegraph, teletype, facsimile, interphone, public address, records, reproducers).

10.2.1.13 Television.

10.2.1.14 Fiber Optics and associated equipments.

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10.2.1.15 Equipment for the detection of noise and interference in the radio frequency spectrum.

10.2.1.16 Underwater sound radiating and non-radiating equipment including those for listening, ranging, sounding, communication, and object location.

10.2.1.17 Training and instruction equipment for any of the above.

10.2.1.18 Equipment auxiliary and accessory to the preceding kinds of equipment.

10.2.2. Type designations in this system are applicable to exploratory development, advance development, engineering development, pre-production and production electronic materiel as defined in MIL-STD-280.

20. REFERENCE DOCUMENTS.

a. Air Standardization Agreement ASCC Air STD 19/1, 20 October 1980.

b. MIL-STD-280 Definitions of Item Levels, Item Exchangeability, Models and Related Terms.

30. DEFINITIONS.

Not applicable.

40. GENERAL REQUIREMENTS.

40.1 Nomenclature Assignments. United Kingdom requests for nomenclature are assigned and registered by the United Kingdom Department of Defence.

40.2 Notification. United Kingdom notifies the United States Department of Defense Control Point (DODCP), for confirmation or assignments. Where a JETDS assignment has previously been made, United Kingdom will use the JETDS assignment and this will also apply in the reverse.

40.3 Distribution. United Kingdom transmits to the United States DODCP copies of the descriptive details of each United Kingdom unclassified nomenclature assignment revisions and cancellation action on the United Kingdom form equivalent of DD Form 61.

40.4 Item Identification. The identification of an item once established by United Kingdom or the United States should be perpetuated in any subsequent procurement of the item by either United Kingdom or the United States.

50. Detailed Requirements.

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50.1 Modification Letter Assignments.

50.1.1 Requests by United States Military Services and agencies for Modification Letter Assignments to United Kingdom equipment will be coordinated with United Kingdom and assigned from the United Kingdom register.

50.1.2 Requests by United Kingdom Services for Modification Letter Assignments to United States equipments will be coordinated by the DODCP with the cognizant services or agencies and assigned from the United States register.

50.2 Systems, Subsystems, Centers, Centrals, and Set Numbers.

The block of numbers (2200 to 2299) shall be used by United Kingdom in the assignment of equipment numbers for systems, subsystems, centers, centrals and sets.

50.3 Unit and Group Numbers. The block of unit numbers (22,000 to 22,999) shall be used by United Kingdom in the assignment of equipment numbers for units and groups.

50.4 Battery Assignments. Primary "BA" and secondary "BB" battery assignments will be made from the United States register.

50.5 Distribution of Technical Data. United Kingdom shall be on the distribution list for unclassified Joint Electronics Type Designation System (JETDS) technical data.

50.6 Copies of Technical Data. United Kingdom is furnished the required number of copies of unclassified technical data for distribution within the United Kingdom Military Services.

50.7 Confidential and Secret Equipment. Nomenclature assignments for confidential and secret equipments are made known, but classified descriptive details are provided only upon approval of requests on an individual equipment basis.

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APPENDIX E

DATA REQUIREMENTS

When this specification is used in an acquisition which incorporates a DD Form 1423, Contract Data Requirements List (CDRL), the data requirements identified below shall be developed as specified by an approved Data Item Description (DD Form 1664) and delivered in accordance with the approved CDRL incorporated into the contract. When the provisions of DAR 7-104.9 (n) (2) are invoked and the DD Form 1423 is not used, the data specified below shall be delivered by the contractor in accordance with the contract or purchase order requirements. Deliverable data required by this specification is cited in the following paragraph.

Paragraph No.	Data requirement title	Applicable DID No.
4.5	Request for Nomenclature	DI-E-7194

Data Item Descriptions related to this specification, and identified in section - will be approved and listed as such in DOD 5000.19L., Vol, II, AMSEL. Copies of Data Item Descriptions required by the contractors in connection with specific acquisition functions should be obtained from the Naval Publications and Forms Center or as directed by the contracting officer.

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APPENDIX F

ADMINISTRATION AND RESPONSIBILITIES

10.1 This appendix identifies the mandatory responsibilities relative to administration of The Joint Electronics Type Designation System (JETDS).

10.1 Responsibilities of Assigning Activity. The Department of Defense Control Point, Administrator and assigning Activity of this system, other than development indicators (See paragraph 5.15); shall:

10.1.2 Administer and continuously refine The JETDS in coordination with The Department Control Points.

10.1.3 Assign Type Designations to requests submitted by requesting activities (Exception: See 10.1.4)

10.1.4 Confirm and record assignments, revisions and cancellation actions submitted by International participants.

10.1.5 Collect, maintain, disseminate unclassified technical data for each assigned, confirmed, revised or cancelled type designation to activities within the Department of Defense justifying a need or unless specifically authorized by The Department of Defense. Requests for classified technical data shall be submitted to the originating activity.

10.1.6 Formulate and coordinate procedures and correspondence media for use by activities in requesting assignment of type designations.

10.1.7 Investigate, as far as practicable, each request for type designation assignment to avoid duplication and erroneous assignment.

10.1.8 Establish and maintain a master file of type designation numbers assigned and descriptive data.

10.1.9 RESERVATIONS FOR TYPE DESIGNATIONS.

10.1.9.1 PREREQUISITE.

10.1.9.1.1 Reservations will be limited to military departments and DOD agencies only.

10.1.9.1.2 The need for nomenclature shall be an emergency or high priority requirement as determined by the Department Control Point, for which sufficient information is available for an item name and type designation recommendation.

10.1.9.2 PROCEDURE.

10.1.9.2.1 The request shall be submitted to the Department of Defense Control Point by teletype or telephone, depending upon urgency of request, citing source request number, item name, type designation and whether development and/or production nomenclature assignment is desired.

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10.1.9.2.2 When available, a manufacturer's drawing number or part number should always be supply.

10.1.9.3 The Department of Defense Control Point shall confirm all reservations by teletype or letter.

10.1.9.4 Confirming and supporting documentation (DD Form 61) or notification of disposition, such as cancellation, should be submitted within sixty (60) days after the reservation is obtained. The Department of Defense Control Control Point will initiate correspondence on all outstanding type designation reservation requests when the required confirming data (DD Form 61) has not been received within the allotted time prior to deletion of the reservation from the JETDS Master Register.

10.1.10 SECURITY INFORMATION LETTER. Prepare and distribute to current recipients of classified type designation data, a monthly "Security Information Letter" containing regrading instructions for published type designation (nomenclature) cards, previously distributed. The "Security Information Letter" may be used as the authority for regrading existing type designation cards.

10.1.11 JETDS INFORMATION LETTER. Prepare and distribute as required, to current recipients of technical data, and other agencies which request and received type designation assignments, a "JETDS Information Letter" covering policy, procedures, and general information.

10.2 Responsibilities of Requesting Activities. Activities requesting type designations or reservations covered by this system shall:

10.2.2 Recommended assignments, changes, or cancellations of designations assigned under this system, when appropriate, to the Department Control Point for submission to the assigning activity.

10.2.3 Determine and assure the technical adequacy and accuracy of all requests submitted for type designation action.

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SUBMISSION OF REQUESTS FOR NOMENCLATURE

10. Purpose. This appendix provides the address of The Department of Defense Control Point (DODCP) and Department Control Points (DCP).

10.1 Department of Defense Control Point (DODCP). The assigning Activity for all Requests for Type Designation actions submitted by Department Control Points and confirmation of requests submitted by International Participants.

Commander
Headquarters
US Army Communications-Electronics Command and Fort Monmouth
ATTN: DRSEL-MMC-D
Fort Monmouth, N. J. 07703

10.2 Submissions for Department Control Points:

10.2.1 For Department of The Army:

Same as 10.1

10.2.2 For Department of the Navy: As applicable: To Commander, Naval Electronics Systems Command, ATTN: Code 8123, Washington, D. C. 20363 or to Commanding Officer, Naval Air Engineering Center, ATTN: ESSD (Code 9322), Lakehurst, New Jersey 08733, or to Commander, Naval SEA Systems Command, ATTN: Code 62C16, National Center 2, Washington, D. C. 20362

10.2.3 For Department of the Air Force: As applicable: Headquarters Aeronautical Systems Division, ATTN: ENES, Wright-Patterson Air Force Base, Ohio 45433 or to Headquarters, Electronics Systems Division (AFSC) ATTN: ESD/ALEC, Hanscom Air Force Base, MA 01731

10.2.4 For National Security Agency: Director, National Security Agency, Central Security Service, ATTN: L112, Fort George G. Meade, Maryland 20755

10.2.5 International Participants.

10.2.5.1 Canadian Department of National Defence: Director, Logistic Operations , National Defence Headquarters, ATTN: DEMPS 5-2, Ottawa, Ontario, Canada KIA OK2

10.2.5.2 Australian Department of National Defence: Director of Standardization, Office of the Chief of Supply, Russell Offices, Canberra, Ausralia 2600

10.2.5.3 New Zealand: New Zealand Embassy, New Zealand Defence Staff, Staff Officer (Technical), 37 Observatory Circle NW, Washington, D. C. 20008

10.2.5.4 United Kingdom: To be added later.

10.2.6 Submission by Contractors. Contractors will submit requests for type designation actions as directed by procuring activity.

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APPENDIX H

10. AIR STANDARDIZATION AGREEMENT

10.1 Air Standardization Agreement, AIR STD 19/1, was adopted on 29 October 1980 by the Air Standardization Coordinating Committee (ASCC).

10.2 The participating countries have ratified and have been provided subscription to ASCC AIR STD 19/1 as follows:

RATIFICATION AND SUBSCRIPTION STATUS

NATION	AIR FORCE	NAVY	ARMY
AUSTRALIA	X	X	X
CANADA	X	X	X
NEW ZEALAND	X	X	X
UNITED KINGDOM	X	X	X
UNITED STATES	X	X	X

X - Ratified or Subscribed to.
R - Ratified or Subscribed to with Reservations detailed below.
N - Not Ratified/Not Subscribed to.

10.3 MIL-STD-196 is the implementing publication for AIR-STD 19/1 and accordingly the following provision applies:

10.3.1 Identification of international standadization agreements on drawings. When a drawing is referenced in a standard which forms a basis for international standardization agreements, the preparing activity of the drawing should be requested to include on the drawing an indication of the international interest, the number of the approved standard in which the drawing is referenced and a note requesting the preparing activity of the drawing to consult with the preparing activity of the standard prior to any revision of the drawing. Drawings referenced in a standard which form the basis for international standardization agreements shall contain the following:

> "International Interest: See (Insert document identifier of Standard). Consult the preparing activity prior to any revision."

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1. ORIGINATOR & ADDRESS *(Include ZIP Code)*	**REQUEST FOR NOMENCLATURE**
2. THRU OR VIA *(Include ZIP Code)*	3. TO *(Include ZIP Code)*

4. DATE OF REQUEST	5. DESCRIPTION PER DP NO.	6. SOURCE REQUEST NO.	7. SECURITY CLASS OF EQUIP
8. FEDERAL SUPPLY CLASS	9. STOCK NO. *(When available)*	10. ACTION REQUESTED ☐ REVISION ☐ CANCELLATION ☐ ASSIGNMENT	

11. FOR REVISIONS NOTE CHANGE IN
☐ ITEM NAME ☐ TECHNICAL DATA
☐ TYPE DESIGNATION ☐ SECURITY CLASS OF EQUIP
☐ SECURITY CLASS OF TECH DATA

12. TYPE OF NOMENCLATURE REQUESTED *(Check one)*
☐ EXPERIMENTAL OR DEVELOPMENTAL
☐ PREPRODUCTION OR PRODUCTION

13. RECOMMENDED NOMENCLATURE

TECHNICAL DATA

14.
(1) FEDERAL CATALOGING ITEM NAME

15. FUNCTIONAL DESCRIPTION

16. CONTRACT OR ORDER NO.	17. GOVT DRAWING NO.	18. GOVT SPECIFICATION NO.

19. DATE ACTION TAKEN TO *(For use by Control Point only)* ☐ ASSIGN ☐ CANCEL ☐ REVISE	20. PROJECT GROUP

21. EQUIPMENT OF WHICH THIS ITEM IS A PART

22. EQUIPMENT WITH WHICH THIS ITEM IS USED

DD FORM 1 APR 61 — REPLACES PREVIOUS EDITIONS OF THIS FORM, WHICH ARE OBSOLETE.

FIGURE 1.

Source: https://assist.dla.mil -- Downloaded: 2016-12-16T16:32Z
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23. INITIATOR REQUESTING SUFFIX LETTER ASSIGNMENT OR NEW ASSIGNMENT WILL CHECK APPROPRIATE BLOCK. COMPLETE DETAILS CONCERNING SIMILARITIES, DIFFERENCES, AND INTERCHANGEABILITY WILL BE STATED IN "OTHER PERTINENT INFORMATION" BLOCK BELOW.

☐ TWO WAY INTERCHANGEABLE, EXCEPT BY MAINTENANCE PARTS, WITH *(List equipments)*

☐ TWO WAY INTERCHANGEABLE, INCLUDING MAINTENANCE PARTS, WITH *(List equipments)*

☐ ONE WAY INTERCHANGEABLE WITH *(List equipments)*

☐ SIMILAR TO _____ *(List equipments)* BUT NOT ☐ ELECTRICALLY, ☐ MECHANICALLY, ☐ FUNCTIONALLY, INTERCHANGEABLE *(Check appropriate block or blocks and specify differences.)*

24. OTHER PERTINENT INFORMATION *(List any additional information not covered by the above questions concerning function, application, purpose, relationship or similarity to other equipment, reason for revision, substitutability of or by other equipments, description of the design change, etc., which would aid in the assignment of nomenclature to this request.)*

25. INITIATED BY *(Name, Title & Telephone Extension)*	26. SIGNATURE

FOR USE BY NOMENCLATURE CONTROL POINT ONLY

27. AUTHORIZED NOMENCLATURE

28. AUTHORIZED BY *(Name, Title & Telephone Extension)*	29. SIGNATURE

FIGURE 1. (cont)

Source: https://assist.dla.mil -- Downloaded: 2016-12-16T16:32Z
Check the source to verify that this is the current version before use.

1. ORIGINATOR & ADDRESS (Include ZIP Code)

REQUEST FOR NOMENCLATURE

2. THRU OR VIA (Include ZIP Code)

3. TO: (Include ZIP Code)

4. DATE OF REQUEST
19 February 1979

5. DESCRIPTION PER DP NO.
FIGURE 1

6. SOURCE REQUEST NO.

7. SECURITY CLASS OF EQUIP
UNCLASSIFIED

8. FEDERAL SUPPLY CLASS
FILL IN

9. STOCK NO. (When available)
FILL IN

10. ACTION REQUESTED
☐ REVISION ☐ CANCELLATION ☒ ASSIGNMENT

11. FOR REVISIONS NOTE CHANGE IN
☐ ITEM NAME ☐ TECHNICAL DATA
☐ TYPE DESIGNATION ☐ SECURITY CLASS OF EQUIP
☐ SECURITY CLASS OF TECH DATA

12. TYPE OF NOMENCLATURE REQUESTED (Check one)
☐ EXPERIMENTAL OR DEVELOPMENTAL
☒ PREPRODUCTION OR PRODUCTION

13. RECOMMENDED NOMENCLATURE
TRANSPONDER SET AN/APN-

TECHNICAL DATA

14.
(1) FEDERAL CATALOGING ITEM NAME

2. TECHNICAL CHARACTERISTICS
   A. TRANSMITTER DATA
      1. FREQUENCY TUNABLE BETWEEN 24.95 and 25.05 GHZ
      2. PEAK POWER OUTPUT 150 W. MIN.
      3. PULSE WIDTH .25 USEC. + .05 USEC
      4. PRF UP TO 5000 PPS
      5. RESPONSE IS BY 6 CODES COMMUTATED DOUBLE OR TRIPLE PULSE POSITIONS WITHIN 12 USEC SPACING
   B. RECEIVER DATA
      1. FREQUENCY TUNABLE BETWEEN 24.8 AND 25.2 GHZ
      2. SENSITIVITY - 37 DBM OR BETTER
      3. MAXIMUM INPUT SIGNAL + 20 DBM
      4. INTERROGATION PULSE WIDTH 9.2 TO 1.0 USEC
   C. POWER SUPPLY DATA
      1. POWERED BY 14 IN-SERIES TWO VOLT SEALED, RECHARGEABLE BATTERY CELLS, INCORPORATED AS AN INTEGRAL PART OF THE TRANSPONDER COVER.

3. OPERATING POWER REQUIREMENTS
   A. DC
   B. 24 TO 32 VOLTS
   C. PROVISIONS FOR INTERNAL BATTERIES

4. OVERALL DIMENSIONS AND WEIGHT
   A. 10.50 IN. L BY 6.50 IN. W BY 5.15 IN. H
   B. 16.3 LBS

5. MOUNTING DATA
   A. MOUNTED TO HELICOPTER SKID STRUTS BY TWO LUG AND CLIP SUPPORT T-BOLT LATCH CLAMPS

6. MATERIEL - N/A

15. FUNCTIONAL DESCRIPTION PROVIDES ENHANCED RETURN SIGNALS FROM LOW FLYING HELICOPTERS TO GROUND TRACKING RADAR. BY RECEIVING, AMPLIFYING, AND TRANSMITTING A CODED REPLY PULSE, INDIVIDUAL AIRCRAFT ARE IDENTIFIABLE. GROUND CLUTTER INHERENT TO LOW ALTITUDE OPERATIONS IS REDUCED BECAUSE THE STRONG REPLY PULSE ALLOWS DESENSITIZING OF TRACKING RADARS

16. CONTRACT OR ORDER NO.
DAAB07-79-C-1234

17. GOVT DRAWING NO.
SC-D-12345

18. GOVT SPECIFICATION NO.
,0;+T-12345

19. DATE ACTION TAKEN TO (For use by Control Point only)
☒ ASSIGN ☐ CANCEL ☐ REVISE

20. PROJECT GROUP
FILL IN

21. EQUIPMENT OF WHICH THIS ITEM IS A PART
FILL IN (IF APPLICABLE)

22. EQUIPMENT WITH WHICH THIS ITEM IS USED
FILL IN (IF APPLICABLE)

DD FORM 1 APR 61 REPLACES PREVIOUS EDITIONS OF THIS FORM, WHICH ARE OBSOLETE.

FIGURE 2 EXAMPLE OF A NEW ASSIGNMENT

Source: https://assist.dla.mil Downloaded: 2016-12-16T16:32Z
Check the source to verify that this is the current version before use.

22. INITIATOR REQUESTING SUFFIX LETTER ASSIGNMENT OR NEW ASSIGNMENT WILL CHECK APPROPRIATE BLOCK. COMPLETE DETAILS CONCERNING SIMILARITIES, DIFFERENCES, AND INTERCHANGEABILITY WILL BE STATED IN "OTHER PERTINENT INFORMATION" BLOCK BELOW.

☐ TWO WAY INTERCHANGEABLE, EXCEPT BY MAINTENANCE PARTS, WITH *(List equipments)*

☐ TWO WAY INTERCHANGEABLE, INCLUDING MAINTENANCE PARTS, WITH *(List equipments)*

☐ ONE WAY INTERCHANGEABLE WITH *(List equipments)*

☒ SIMILAR TO AN/APN- *(List equipments)* BUT NOT ☒ ELECTRICALLY, ☐ MECHANICALLY,

☐ FUNCTIONALLY, INTERCHANGEABLE *(Check appropriate block or blocks and specify differences)*

Power output and operational frequency are different. Coded replies are different AN/PPN- designed for portable man pack, AN/APN- designed for helicopter skid strut mounting.

24. OTHER PERTINENT INFORMATION *(List any additional information not covered by the above questions concerning function, application, purpose, relationship or similarity to other equipment, reason for revision, substitutability of or by other equipments, description of the design change, etc., which would aid in the assignment of nomenclature to this request.)*

25. INITIATED BY *(Name, Title & Telephone Extension)*	26. SIGNATURE
FILL IN	FILL IN

FOR USE BY NOMENCLATURE CONTROL POINT ONLY

27. AUTHORIZED NOMENCLATURE

28. AUTHORIZED BY *(Name, Title & Telephone Extension)*	29. SIGNATURE

7. Complement Data
   A. 1 ea
   B. Receiver-Transmitter, radar
   C. N/A
   D. RT- APN- (M-79-4)

   A. 1 ea
   B.
   C. N/A
   D. (M-79-5)

   A. 1 ea
   B. Antenna
   C. N/A
   D. (See Block 24)

8. Special Features - N/A

9. Design Activity Data
   A. Motorola Inc., GED
   B. Scottsdale, AZ
   C. Code No. 94990
   D. Part No. 000XX

10. Manufacturer's Data (Same as design activity data)

11. Contractor's data (Same as design activity data)

12. For airborne (Helicopter) use.

FIGURE 2 (cont)

Source: https://assist.dla.mil -- Downloaded: 2016-12-16T16:32Z
Check the source to verify that this is the current version before use.

1. ORIGINATOR & ADDRESS (Include ZIP Code) Black Electronics Corporation 107 Sourth Street Rome, N. Y. 60154	**REQUEST FOR NOMENCLATURE**
2. THRU OR VIA (Include ZIP Code)	3. TO (Include ZIP Code) Commander HQ, US Army Communications-Electronics Command and Fort Monmouth ATTN: AMSEL-MMC-D Fort Monmouth, N. J. 07703-5006

4. DATE OF REQUEST 16 April 1971	5. DESCRIPTION PER DP NO. Figure 2	6. SOURCE REQUEST NO.	7. SECURITY CLASS OF EQUIP UNCLASSIFIED
8. FEDERAL SUPPLY CLASS	9. STOCK NO. (When available)	10. ACTION REQUESTED ☐ REVISION ☐ CANCELLATION ☒ ASSIGNMENT	
11. FOR REVISIONS NOTE CHANGE IN ☐ ITEM NAME ☐ TECHNICAL DATA ☐ TYPE DESIGNATION ☐ SECURITY CLASS OF EQUIP ☐ SECURITY CLASS OF TECH DATA		12. TYPE OF NOMENCLATURE REQUESTED (Check one) ☐ EXPERIMENTAL OR DEVELOPMENTAL ☒ PREPRODUCTION OR PRODUCTION	

13. RECOMMENDED NOMENCLATURE
DATA TRANSMISSION SYSTEM AN/USQ-49(V)

TECHNICAL DATA

14.
(1) FEDERAL CATALOGING ITEM NAME

2. Operating Power Requirements
   A. AC
   B. 115/200 volts
   C. 400 Hz
   D. Three phase

3. Overall Dimensions and Weight - N/A

4. Complement Data
   A. 1 ea
   B. Data Transmission Set
   C. N/A
   D. AN/ASQ-143(V) (BEC-8)
   A. 1-2 ea
   B. Receiver-Transmitter Set, Radio
   C. N/A
   D. AN/ARQ-32(V) (BEC-12)
   A. 1 ea
   B. Receiver-Processor Central
   C. N/A
   D. AN/USQ-50(V) (BEC-16)

5. Special Features - N/A

6. Design Activity Data:
   A. Naval Air System Command
   B. Washington, D. C.
   C. Code No. 30003
   D. p/n 247 AS 100

7. Manufacturer's Data;
   A. Westbrook Electronics Div
   B. Erie, Pennsylvania
   C. Code No. 123987
   D. p/n 0053743-000

8. Contractors Data
   A. Blank Electronics Corporation
   B. Rome, N. Y.
   C. Code No. 98157
   D. Dwg No. 4579310-000

9. Designed for Shipboard, Ground and Airborne Use.

15. FUNCTIONAL DESCRIPTION Transfers infrared, sidelooking airborne radar, laser line scan camera and photographic information thru a microwave transmission system from a sensor equipped aircraft to a surface central either by direct link or thru airborne relay.

16. CONTRACT OR ORDER NO. DAAB05-69-C-0007	17. GOVT DRAWING NO.	18. GOVT SPECIFICATION NO.
19. DATE ACTION TAKEN TO (For use by Control Point only) ☐ ASSIGN ☐ CANCEL ☐ REVISE		20. PROJECT GROUP AIR-53344
21. EQUIPMENT OF WHICH THIS ITEM IS A PART		
22. EQUIPMENT WITH WHICH THIS ITEM IS USED		

DD FORM 1 APR 61 REPLACES PREVIOUS EDITIONS OF THIS FORM, WHICH ARE OBSOLETE.

FIGURE 3. EXAMPLE OF A VARIABLE ASSIGNMENT

Source: https://assist.dla.mil -- Downloaded: 2016-12-16T16:32Z
Check the source to verify that this is the current version before use.

23. INITIATOR REQUESTING SUFFIX LETTER ASSIGNMENT OR NEW ASSIGNMENT WILL CHECK APPROPRIATE BLOCK. COMPLETE DETAILS CONCERNING SIMILARITIES, DIFFERENCES, AND INTERCHANGEABILITY WILL BE STATED IN "OTHER PERTINENT INFORMATION" BLOCK BELOW.

- ☐ TWO WAY INTERCHANGEABLE, EXCEPT BY MAINTENANCE PARTS, WITH *(List equipments)*
- ☐ TWO WAY INTERCHANGEABLE, INCLUDING MAINTENANCE PARTS, WITH *(List equipments)*
- ☐ ONE WAY INTERCHANGEABLE WITH *(List equipments)*
- ☐ SIMILAR TO _____ *(List equipments)* BUT NOT ☐ ELECTRICALLY, ☐ MECHANICALLY, ☐ FUNCTIONALLY, INTERCHANGEABLE *(Check appropriate block or blocks and specify differences)*

24. OTHER PERTINENT INFORMATION *(List any additional information not covered by the above questions concerning function, application, purpose, relationship or similarity to other equipment, reason for revision, substitutability of or by other equipments, description of the design change, etc., which would aid in the assignment of nomenclature to this request.)*

25. INITIATED BY *(Name, Title & Telephone Extension)*	26. SIGNATURE
JOHN DOE, Project Engr X5432	/s/ JOHN DOE

FOR USE BY NOMENCLATURE CONTROL POINT ONLY

27. AUTHORIZED NOMENCLATURE

28. AUTHORIZED BY *(Name, Title & Telephone Extension)*	29. SIGNATURE

FIGURE 3. (contd) EXAMPLE OF A VARIABLE ASSIGNMENT

Source: https://assist.dla.mil -- Downloaded: 2016-12-16T16:32Z
Check the source to verify that this is the current version before use.

1. ORIGINATOR & ADDRESS (Include ZIP Code) RADC/TDDPN Griffiss AFB, N. Y. 13440	**REQUEST FOR NOMENCLATURE**
2. THRU OR VIA (Include ZIP Code)	3. TO (Include ZIP Code) Commander HQ, US Army Communications-Electronics Command and Fort Monmouth ATTN: AMSEL-MMC-D Fort Monmouth, N. J. 07703-5006

4. DATE OF REQUEST	5. DESCRIPTION PER DP NO.	6. SOURCE REQUEST NO.	7. SECURITY CLASS OF EQUIP
14 April 1971	N/A	WL-71-C-1863	UNCLASSIFIED

8. FEDERAL SUPPLY CLASS	9. STOCK NO. (When available)	10. ACTION REQUESTED
		☐ REVISION ☒ CANCELLATION ☐ ASSIGNMENT

11. FOR REVISIONS NOTE CHANGE IN
☐ ITEM NAME ☐ TECHNICAL DATA
☐ TYPE DESIGNATION ☐ SECURITY CLASS OF EQUIP
☐ SECURITY CLASS OF TECH DATA

12. TYPE OF NOMENCLATURE REQUESTED (Check one)
☐ EXPERIMENTAL OR DEVELOPMENTAL
☐ PREPRODUCTION OR PRODUCTION

13. RECOMMENDED NOMENCLATURE
DEMULTIPLEXER GROUP AN/GSA-115 & ( )

TECHNICAL DATA

14.
(1) FEDERAL CATALOGING ITEM NAME

Request nomenclature be cancelled in accordance with MIL-STD-196, paragraph 1.7.1.

15. FUNCTIONAL DESCRIPTION

16. CONTRACT OR ORDER NO.	17. GOVT DRAWING NO.	18. GOVT SPECIFICATION NO.
		407L/L. Doubleday

19. DATE ACTION TAKEN TO (For use by Control Point only)
☐ ASSIGN ☐ CANCEL ☐ REVISE

20. PROJECT GROUP

21. EQUIPMENT OF WHICH THIS ITEM IS A PART

22. EQUIPMENT WITH WHICH THIS ITEM IS USED

DD FORM 1 APR 61 — REPLACES PREVIOUS EDITIONS OF THIS FORM, WHICH ARE OBSOLETE.

FIGURE 4. EXAMPLE OF A CANCELLATION

Source: https://assist.dla.mil Downloaded: 2016-12-16T16:32Z
Check the source to verify that this is the current version before use.

23. INITIATOR REQUESTING SUFFIX LETTER ASSIGNMENT OR NEW ASSIGNMENT WILL CHECK APPROPRIATE BLOCK. COMPLETE DETAILS CONCERNING SIMILARITIES, DIFFERENCES, AND INTERCHANGEABILITY WILL BE STATED IN "OTHER PERTINENT INFORMATION" BLOCK BELOW.

- ☐ TWO WAY INTERCHANGEABLE, EXCEPT BY MAINTENANCE PARTS, WITH *(List equipments)*
- ☐ TWO WAY INTERCHANGEABLE, INCLUDING MAINTENANCE PARTS, WITH *(List equipments)*
- ☐ ONE WAY INTERCHANGEABLE WITH *(List equipments)*
- ☐ SIMILAR TO _____ *(List equipments)* BUT NOT ☐ ELECTRICALLY, ☐ MECHANICALLY, ☐ FUNCTIONALLY, INTERCHANGEABLE *(Check appropriate block or blocks and specify differences)*

24. OTHER PERTINENT INFORMATION *(List any additional information not covered by the above questions concerning function, application, purpose, relationship or similarity to other equipment, reason for revision, substitutability of or by other equipments, description of the design change, etc., which would aid in the assignment of nomenclature to this request.)*

25. INITIATED BY *(Name, Title & Telephone Extension)*	26. SIGNATURE
JAMES SMITH, Electr Tech X-3142	/s/ JAMES SMITH

FOR USE BY NOMENCLATURE CONTROL POINT ONLY

27. AUTHORIZED NOMENCLATURE

28. AUTHORIZED BY *(Name, Title & Telephone Extension)*	29. SIGNATURE

FIGURE 4. (cont) EXAMPLE OF CANCELLATION

Source: https://assist.dla.mil -- Downloaded: 2016-12-16T16:32Z
Check the source to verify that this is the current version before use.

1. ORIGINATOR & ADDRESS (Include ZIP Code)
Bland Electronics Corporation
107 Sourth Street
Rome, New York 60154

REQUEST FOR NOMENCLATURE

2. THRU OR VIA (Include ZIP Code)
RADC/TDDPN
Griffiss AFB, N. Y. 13440

3. TO: (Include ZIP Code)
Commander
HQ, US Army Communications-Electronics
Command and Fort Monmouth
ATTN: AMSEL-MMC-D
Fort Monmouth, N. J. 07703-5006

4. DATE OF REQUEST
15 April 1971

5. DESCRIPTION PER DP NO.
FIGURE 2

6. SOURCE REQUEST NO.

7. SECURITY CLASS OF EQUIP
UNCLASSIFIED

8. FEDERAL SUPPLY CLASS

9. STOCK NO. (When available)

10. ACTION REQUESTED
☒ REVISION ☐ CANCELLATION ☐ ASSIGNMENT

11. FOR REVISIONS NOTE CHANGE IN
☐ ITEM NAME ☐ TECHNICAL DATA
☐ TYPE DESIGNATION ☐ SECURITY CLASS OF EQUIP
☐ SECURITY CLASS OF TECH DATA

12. TYPE OF NOMENCLATURE REQUESTED (Check one)
☐ EXPERIMENTAL OR DEVELOPMENTAL
☐ PREPRODUCTION OR PRODUCTION

13. RECOMMENDED NOMENCLATURE
FREQUENCY MIXER GROUP OA-7855/FPM-27

TECHNICAL DATA

14.
(1) FEDERAL CATALOGING ITEM NAME

2. Operating Power Requirements - N/A

3. Overall Dimensions and Weight - N/A

4. Complement Data
   A. 1 ea
   B. Cooler, Air, Electronic Equipment
   C. N/A
   D. HD-578/FSM
   A. 1 ea
   B. Control-Indicator
   C. N/A
   D. C-4307/FSM
   A. 1 ea
   B. Distribution Box
   C. N/A
   D. J-2615/FPM-27
   A. 1 ea
   B. Generator, Signal
   C. Blank Electronics Corporation
   D. Part Nr C 9561-001
   A. 1 ea
   B. Mixer Stage, Frequency
   C. N/A
   D. CV-2115/FPM-27
   A. 1 ea
   B. Mixer Stage, Frequency
   C. N/A
   D. CV-2054/FPM-27
   A. 1 ea
   B. Mixer Stage, Frequency
   C. N/A
   D. CV-2080/FPM-27
   A. 1 ea
   B. Mixer Stage, Frequency
   C. N/A
   D. CV-2081/FPM-27
   A. 1 ea
   B. Power Supply
   C. N/A
   D. PP-3548/FSM

5. Special Features - N/A

(cont'd)

15. FUNCTIONAL DESCRIPTION
Provides frequency mixing which converts simulated target inputs into test signals.

16. CONTRACT OR ORDER NO.
AF19(628)-4848

17. GOVT DRAWING NO.

18. GOVT SPECIFICATION NO.

19. DATE ACTION TAKEN TO (For use by Control Point only)
☐ ASSIGN ☐ CANCEL ☐ REVISE

20. PROJECT GROUP

21. EQUIPMENT OF WHICH THIS ITEM IS A PART

22. EQUIPMENT WITH WHICH THIS ITEM IS USED
AN/FTM-27

DD FORM 1 APR 61 — REPLACES PREVIOUS EDITIONS OF THIS FORM, WHICH ARE OBSOLETE.

FIGURE 5. EXAMPLE OF A REVISION

Source: https://assist.dla.mil -- Downloaded: 2016-12-16T16:32Z
Check the source to verify that this is the current version before use.

22. INITIATOR REQUESTING SUFFIX LETTER ASSIGNMENT OR NEW ASSIGNMENT WILL CHECK APPROPRIATE BLOCK. COMPLETE DETAILS CONCERNING SIMILARITIES, DIFFERENCES, AND INTERCHANGEABILITY WILL BE STATED IN "OTHER PERTINENT INFORMATION" BLOCK BELOW.

- [ ] TWO WAY INTERCHANGEABLE, EXCEPT BY MAINTENANCE PARTS, WITH *(List equipments)*
- [ ] TWO WAY INTERCHANGEABLE, INCLUDING MAINTENANCE PARTS, WITH *(List equipments)*
- [ ] ONE WAY INTERCHANGEABLE WITH *(List equipments)*
- [X] SIMILAR TO OA-4143/FSM *(List equipments)* BUT NOT [X] ELECTRICALLY, [X] MECHANICALLY, [X] FUNCTIONALLY, INTERCHANGEABLE *(Check appropriate block or blocks and specify differences)*

24. OTHER PERTINENT INFORMATION *(List any additional information not covered by the above questions concerning function, application, purpose, relationship or similarity to other equipment, reason for revision, substitutability of or by other equipments, description of the design change, etc., which would aid in the assignment of nomenclature to this request.)*

Revised to add Distribution Box J-2615/FPM-27 in order to provide distribution facilities for target simulation signals to be emitted for maintenance purposes by the Simulator Control C-8206/FPS. All OA-7855/FPM-27 are being retrofitted to include this item.

25. INITIATED BY *(Name, Title & Telephone Extension)*	26. SIGNATURE

FOR USE BY NOMENCLATURE CONTROL POINT ONLY

27. AUTHORIZED NOMENCLATURE	
28. AUTHORIZED BY *(Name, Title & Telephone Extension)*	29. SIGNATURE

(cont'd)

6. Design Activity Data
   A. Blank Electronics Corporation
   B. Rome, N. Y.
   C. Code No. 98157
   D. Part No. 6348172-001

7. Manufacturer's Data (Same as Design Activity Data)

8. Contractor's Data (Same as Design Activity Data)

9. Designed for Fixed Installation.

FIGURE 5. (cont) EXAMPLE OF A REVISION

Source: https://assist.dla.mil -- Downloaded: 2016-12-16T16:32Z
Check the source to verify that this is the current version before use.

1. ORIGINATOR & ADDRESS *(Include ZIP Code)*
4950/TZDT
Wright-Patterson AFB, OH 45433

REQUEST FOR NOMENCLATURE

2. THRU OR VIA *(Include ZIP Code)*

3. TO: *(Include ZIP Code)*
Commander
HQ, US Army Communications-Electronics
Command and Fort Monmouth
ATTN: AMSEL MMC D
Fort Monmouth, NM J 07703-5006

4. DATE OF REQUEST	5. DESCRIPTION PER DP NO.	6. SOURCE REQUEST NO.	7. SECURITY CLASS OF EQUIP
15 Jun 1971	N/A	AEL-71-R-100	UNCLASSIFIED

8. FEDERAL SUPPLY CLASS

9. STOCK NO. *(When available)*

10. ACTION REQUESTED
☒ REVISION ☐ CANCELLATION ☐ ASSIGNMENT

11. FOR REVISIONS NOTE CHANGE IN
☐ ITEM NAME ☐ TECHNICAL DATA
☐ TYPE DESIGNATION ☐ SECURITY CLASS OF EQUIP
☒ SECURITY CLASS OF TECH DATA

12. TYPE OF NOMENCLATURE REQUESTED *(Check one)*
☐ EXPERIMENTAL OR DEVELOPMENTAL
☐ PREPRODUCTION OR PRODUCTION

13. RECOMMENDED NOMENCLATURE
RECEIVER-TRANSMITTER, RADIO RT-761/APX-64(V)

TECHNICAL DATA

14.
(1) FEDERAL CATALOGING ITEM NAME

Request the security classification of the technical data as shown on Card Shipments No. (filled in by Departmental Agency)

DD Form 61, Source Request No. AEL-67-87

changed from CONFIDENTIAL IV

to UNCLASSIFIED

All other information remains the same.

15. FUNCTIONAL DESCRIPTION

16. CONTRACT OR ORDER NO.	17. GOVT DRAWING NO.	18. GOVT SPECIFICATION NO.

19. DATE ACTION TAKEN TO *(For use by Control Point only)*
☐ ASSIGN ☐ CANCEL ☐ REVISE

20. PROJECT GROUP

21. EQUIPMENT OF WHICH THIS ITEM IS A PART

22. EQUIPMENT WITH WHICH THIS ITEM IS USED

DD FORM 1 APR 61 REPLACES PREVIOUS EDITIONS OF THIS FORM, WHICH ARE OBSOLETE.

FIGURE 6. EXAMPLE OF A SECURITY CLASSIFICATION CHANGE OF DATA

Source: https://assist.dla.mil -- Downloaded: 2016-12-16T16:32Z
Check the source to verify that this is the current version before use.

23. INITIATOR REQUESTING SUFFIX LETTER ASSIGNMENT OR NEW ASSIGNMENT WILL CHECK APPROPRIATE BLOCK. COMPLETE DETAILS CONCERNING SIMILARITIES, DIFFERENCES, AND INTERCHANGEABILITY WILL BE STATED IN "OTHER PERTINENT INFORMATION" BLOCK BELOW.

☐ TWO WAY INTERCHANGEABLE, EXCEPT BY MAINTENANCE PARTS, WITH *(List equipments)*

☐ TWO WAY INTERCHANGEABLE, INCLUDING MAINTENANCE PARTS, WITH *(List equipments)*

☐ ONE WAY INTERCHANGEABLE WITH *(List equipments)*

☐ SIMILAR TO _____ *(List equipments)* BUT NOT ☐ ELECTRICALLY, ☐ MECHANICALLY, ☐ FUNCTIONALLY, INTERCHANGEABLE *(Check appropriate block or blocks and specify differences)*

24. OTHER PERTINENT INFORMATION *(List any additional information not covered by the above questions concerning function, application, purpose, relationship or similarity to other equipment, reason for revision, substitutability of or by other equipments, description of the design change, etc., which would aid in the assignment of nomenclature to this request.)*

25. INITIATED BY *(Name, Title & Telephone Extension)*	26. SIGNATURE
JOS. BROWN, Project Engr X51562	/a/ J. Brown

FOR USE BY NOMENCLATURE CONTROL POINT ONLY

27. AUTHORIZED NOMENCLATURE

28. AUTHORIZED BY *(Name, Title & Telephone Extension)*	29. SIGNATURE

FIGURE 6 (cont) EXAMPLE OF A SECURITY CLASSIFICATION CHANGE OF DATA

Source: https://assist.dla.mil - Downloaded: 2016-12-16T16:32Z
Check the source to verify that this is the current version before use.

ORIGINATOR & ADDRESS (Include ZIP Code)
Bank Electronics Corporation
107 South Street
Rome, New York 60154

REQUEST FOR NOMENCLATURE

2. THRU OR VIA (Include ZIP Code)

3. TO (Include ZIP Code)
Commander
HQ, US Army Communications-Electronics
Command and Fort Monmouth
ATTN: AMSEL-MMC-D

4. DATE OF REQUEST 15 April 1971	**5. DESCRIPTION PER DP NO.** Figure 1	**6. SOURCE REQUEST NO.**	**7. SECURITY CLASS OF EQUIP** UNCLASSIFIED
8. FEDERAL SUPPLY CLASS	**9. STOCK NO.** (When available)	**10. ACTION REQUESTED** ☐ REVISION ☐ CANCELLATION ☒ ASSIGNMENT	

11. FOR REVISIONS NOTE CHANGE IN
☐ ITEM NAME ☐ TECHNICAL DATA
☐ TYPE DESIGNATION ☐ SECURITY CLASS OF EQUIP
☐ SECURITY CLASS OF TECH DATA

12. TYPE OF NOMENCLATURE REQUESTED (Check one)
☐ EXPERIMENTAL OR DEVELOPMENTAL
☒ PREPRODUCTION OR PRODUCTION

13. RECOMMENDED NOMENCLATURE
TRANSPONDER SET AN/PRQ-21A

TECHNICAL DATA

14. (1) FEDERAL CATALOGING ITEM NAME

2. Technical Characteristics
   A. Transmitting Data:
      137 to 143 Frequency Range
      1 Coded Channel
   B. Receiving Data
      142 to 148 MHz Freq Range
   C. AM Type of Signal
   D. 10W Power Output

   Operating Power Reqmts;
   A. DC
   B. 6 or 18 Volts
   C. includes provisions for internal battery

4. Overall Dimensions and Weight - N/A

5. Mounting Data - N/A

6. Material - N/A

7. Complement Data
   A. 1 ea
   B. Receiver-Transmitter, Radio
   C. N/A
   D. RT-100A/FRQ-21 (BEC-2)
   A. 1 ea
   B. Antenna
   C. N/A
   D. AS-200/FRQ-21
   A. 1 ea
   B. Modulator, Transponder Set
   C. N/A
   D. MD-616/FRQ-21

8. Special Features
   A. Contains provisions for use iwth remote indicator

9. Design Activity Data
   A. Blank Electronics Corporation
   B. Rome, N. Y.
   C. Code No. 98157
   D. Part No. 7893210 002 (cont'd)

15. FUNCTIONAL DESCRIPTION Operates as a ground-based beacon in conjunction with an Airborne amplitude comparison monopulse system. It receives a pulse from the airborne interrogator, analyzes the validity of the incoming pulse and transmits a reply pulse to the airborne receiver for determination of ranges and bearing. With modulator, transmits and receives voice communications.

16. CONTRACT OR ORDER NO. AF08(635)-5520	**17. GOVT DRAWING NO.**	**18. GOVT SPECIFICATION NO.**
19. DATE ACTION TAKEN TO (For use by Control Point only) ☐ ASSIGN ☐ CANCEL ☐ REVISE		**20. PROJECT GROUP** APGC (DRE)

21. EQUIPMENT OF WHICH THIS ITEM IS A PART
Interrogator Set AN/ARQ-40

22. EQUIPMENT WITH WHICH THIS ITEM IS USED

DD FORM 1 APR 61 REPLACES PREVIOUS EDITIONS OF THIS FORM, WHICH ARE OBSOLETE.

FIGURE 7. EXAMPLE OF A MODIFICATION LETTER ASSIGNMENT

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22. INITIATOR REQUESTING SUFFIX LETTER ASSIGNMENT OR NEW ASSIGNMENT WILL CHECK APPROPRIATE BLOCK. COMPLETE DETAILS CONCERNING SIMILARITIES, DIFFERENCES, AND INTERCHANGEABILITY WILL BE STATED IN "OTHER PERTINENT INFORMATION" BLOCK BELOW.

- [ ] TWO WAY INTERCHANGEABLE, EXCEPT BY MAINTENANCE PARTS, WITH *(List equipments)*
- [ ] TWO WAY INTERCHANGEABLE, INCLUDING MAINTENANCE PARTS, WITH *(List equipments)*
- [x] ONE WAY INTERCHANGEABLE WITH *(List equipments)* AN/PRQ-21
- [ ] SIMILAR TO ___ *(List equipments)* BUT NOT [ ] ELECTRICALLY, [ ] MECHANICALLY,
- [ ] FUNCTIONALLY, INTERCHANGEABLE *(Check appropriate block or blocks and specify differences)*

The RT-100A/PRQ-21 has an extended transmit and receive Frequency range of 2 MHz over the RT-100/PRQ-21

24. OTHER PERTINENT INFORMATION *(List any additional information not covered by the above questions concerning function, application, purpose, relationship or similarity to other equipment, reason for revision, substitutability of or by other equipments, description of the design change, etc., which would aid in the assignment of nomenclature to this request.)*

25. INITIATED BY *(Name, Title & Telephone Extension)*	26. SIGNATURE
JOHN DOE Project Engr X-5432	/s/ JOHN DOE

FOR USE BY NOMENCLATURE CONTROL POINT ONLY

27. AUTHORIZED NOMENCLATURE

28. AUTHORIZED BY *(Name, Title & Telephone Extension)*	29. SIGNATURE

(cont'd)

10. Manufacturer's Data (same as Design Activity Data)

11. Contractor's Data (Same as Design Activity Data)

12. For Portable Use.

FIGURE 7. (cont) EXAMPLE OF MODIFICATION LETTER ASSIGNMENT

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STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions – Reverse Side)

1. DOCUMENT NUMBER	2. DOCUMENT TITLE
MIL-STD-196D	Joint Electronics Type Designation System

3a. NAME OF SUBMITTING ORGANIZATION	4. TYPE OF ORGANIZATION *(Mark one)*
	☐ VENDOR
	☐ USER
b. ADDRESS *(Street, City, State, ZIP Code)*	☐ MANUFACTURER
	☐ OTHER *(Specify)*: _____

5. PROBLEM AREAS

a. Paragraph Number and Wording:

b. Recommended Wording:

c. Reason/Rationale for Recommendation:

6. REMARKS

7a. NAME OF SUBMITTER *(Last, First, MI)* – Optional	b. WORK TELEPHONE NUMBER *(Include Area Code)* – Optional
c. MAILING ADDRESS *(Street, City, State, ZIP Code)* – Optional	8. DATE OF SUBMISSION *(YYMMDD)*

DD FORM 82 MAR 1426 PREVIOUS EDITION IS OBSOLETE.

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