FEDERAL ITEM IDENTIFICATION GUIDE

CONTROLS AND ASSOCIATED EQUIPMENT

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Commander

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

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GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGW OVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

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INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
COMPENSATOR, Q, TARGET AIRCRAFT	00909	A

An item specifically designed to effect corrections to target aircraft controls necessitated by changes in air density and pressure.

Control

1.A device used to govern a machine or mechanism in operation. Excludes Governor and Regulator.

2. (Electrical/Electronic) A component which governs the operation of another component or grouping of components. Excludes Control (1) and Controller (1). Do not use for such items as switches, circuit breakers, regulators, relays, rheostats and the like, which are used without the addition of other parts to accomplish this function.

CONTROL, ALARM	00910	A

An automatic electrical, electromechanical, or electronic device which generates and/or controls the energy which actuates electrical alarms such as bells, horns, sirens, buzzers, lights, and which does not in itself contain the actual alarm. If complete with alarm, the device takes the name of the type of alarm, such as ALARM (as modified).

CONTROL (1), ALTITUDE, AUTOMATIC PILOT	16198	C

A control designed with an airtight case, consisting of a bellows or diaphragm which responds to changes in barometric pressure and is used in conjunction with an automatic pilot to maintain a desired altitude.

CONTROL (1), ALTITUDE, GUIDED MISSILE	00911	A

A specifically designed control which is manually preset to establish maximum altitude of a guided missile's flight.May include facilities for presetting final dive angle. Excludes CONTROL, ALTITUDE, AUTOMATIC PILOT and CONTROLLER, FLIGHT, AUTOMATIC PILOT.

CONTROL (2), ALTITUDE, TARGET AIRCRAFT	00912	A

A control which is designed to alter the longitudinal altitude of a target aircraft for the purpose of maintaining or varying the in-flight altitude above a reference level.

CONTROL (2), AMPLIFIER	19589	B

A device which specifically controls the amplification-producing component.

Approved Item Name	INC	App Key
CONTROL (2), ANTENNA	00913	A

An item which provides the means for selecting the mode of operation or to direct the DRIVE, ANTENNA to carry out the input instructions.For items which provide coordinate information, see PROGRAMMER, ANTENNA POSITION.

CONTROL (2), ANTENNA COUPLER	19590	B

A control that determines the mode of operation of an antenna coupler.

CONTROL (1), ANTENNA ELEVATOR	19083	B

A control which determines the mode of operation of an antenna elevator.

CONTROL (1), ANTI-LOCK BRAKE, VEHICULAR	47264	A

An item which controls the operation of the anti-lock system of a vehicle and which can be connected to a SENSOR, ANTI-LOCK BRAKE.

CONTROL (2), BAROSWITCH SETTING	60279	A

A device specifically designed to remotely control the adjustment of the altitude setting of a BAROSWITCH.

CONTROL, BATTERY CHARGER	40456	A

An item that determines the mode of operation of one or more battery chargers.

CONTROL (2), BEACON TRANSFER	19591	B

A control which effects the transfer of operation from one beacon to another in case of failure or reduced performance.

CONTROL BOX, DIRECTIONAL, AUTOMATIC PILOT	05153	E

A device which originates controlling signals to an automatic pilot for determination of an aircraft's direction of flight.

CONTROL BOX, ELECTRICAL, ARMAMENT SYSTEM	38706	A

A metal or plastic enclosure which includes, mounts and protects any quantity and/or combinations of electrical devices, such as switches, resistors, relays, meters, rectifiers, fuses, overload indicators, bridges, terminal boards as well as wirings and the like. It is specifically designed to control, protect, secure, measure, and switch the armament system for which the item is designed.

Approved Item Name	INC	App Key
CONTROL BOX, ELECTRICAL/ELECTRONIC, AIRCRAFT AIR TEMPERATURE	42426	A

A metal inclosure which includes mounts and protects any quantity and/or combination of electrical/electronic devices such as resistors, relays, potentiometers, receptacles, rectifiers, bridge networks and the like. If electrical, it may not contain electronic tubes and/or resistors. It may have adjustment controls. Designed to produce an electrical signal to control air temperature for an aircraft cabin, cockpit, windows, windshield and other compartments for the purpose of anti-icing, defogging or heating.

CONTROL BOX, ELECTRICAL/ELECTRONIC, VEHICULAR AIR TEMPERATURE	47729	A

An enclosure which includes, mounts and protects any quantity of switches relay(s), circuit breakers and the like. It must include items with actuators extending from the box which encloses the circuit elements.It is designed to control a vehicles environmental system.The system may include filters to protect personnel from CBR contamination. Excludes CIRCUIT BREAKER BOX; SWITCH BOX; JACK BOX; FUSE BOX; and TERMINAL BOX.

CONTROL, CAMERA, RECONNAISSANCE SYSTEM	51419	A

A device designed to control the operation and stabilization of a reconnaissance camera.

CONTROL (2), CODER	00914	A

A component which controls the mode of operation of a coder.

CONTROL, COMBUSTION, OIL BURNER	13514	A

A device usually consisting of a heat sensing element, switch, transformer, control actuating mechanism and automatic shut-off. It is mounted through the stack of oil furnace to control the ignition, combustion, and motor operation of an oil burner unit, in accordance with the action of a remote thermostat.

CONTROL (2), COMMUNICATION SYSTEM	60281	A

An item that determines the collective and individual mode of operation of the components of a COMMUNICATION SYSTEM.

CONTROL (2), COMPUTER	19592	B

A control which is an essential part of the central processing unit of a computer. It controls the other basic hardware units in such a manner that all operations are conducted in the correct time and logic sequence. It also prevents the introduction of a new task prior to completion of the task in process. The control comprises an instruction counter, an instruction and index register and comparator.

CONTROL (2), COMPUTER-INDICATOR	19594	B

Approved Item Name	INC	App Key
CONTROL (2), COMPUTER PROGRAMMER	19593	B
CONTROL (2), COMPUTER TERMINAL	41712	B

A control which provides the means for selecting the mode of operation of one or more TERMINAL, DATA PROCESSING.

CONTROL, CONSTANT FREQUENCY	11081	F

An item which controls an electrical power source to maintain a constant output frequency by electrically comparing the generated frequency with a standard frequency.

CONTROL (2), CONVERTER	19595	B
CONTROL (2), CONVERTER-RECEIVER	19596	B

A single component with the dual function of determining the mode of operation of a converter and a receiver.

CONTROL (2), COORDINATE DATA MONITOR	19597	B

A control that determines the mode of operation of a coordinate data monitor.

CONTROL (2), COORDINATE DATA TRANSMITTER TRANSFER #	19084	B

A control that determines the mode of operation of a coordinate data transmitter to another in case of failure or reduced performance of one or more operating components.

CONTROL, COUNTERMEASURES SET	51420	A

A control which determines the mode of operation of a countermeasures set.

CONTROL (2), COUNTERMEASURES TRANSMITTING SET	00915	A

A control which determines the mode of operation of a countermeasures transmitting set.

CONTROL, DATA TRANSMISSION #	34170	B

An item designed for simultaneous transmission of data between one central processing unit and several terminals. The item is connected with a multiplexor channel. It controls the input and output data flow and performs control and security operations independent of the central processing unit. It may be provided with its own working storage and its design may be similar to a small computer. Circuit buffers are used for adapting to the various multidrop circuits.

Approved Item Name	INC	App Key
CONTROL (2), DECOY SET, RADAR	48135	A

A control used to interface and synchronize a radar set used in conjunction with a DECOY SET, RADAR. May have facilities to display the status of the DECOY SET, RADAR.

CONTROL, DEGAUSSING	00916	A

An item that automatically varies current in a ship's degaussing coils as the ship changes heading or rolls and pitches.

CONTROL (2), DESTINATION PRESET	19598	B

A control for establishing flight parameters to one or more predetermined terrestrial locations.See also CONTROL (2), TARGET INTERCEPT.

CONTROL, DIAPHRAGM ACTUATING, REMOTE	13143	A

A device for remote adjustment of diaphragm opening on one or more aerial cameras to predetermined stops, relative to the shutter speed.

CONTROL, DIRECTION FINDER	00917	A

A component that determines the mode of operation of a direction finder.

CONTROL (1), DIRECTIONAL, AUTOMATIC PILOT	16289	G

A control used in conjunction with compasses and automatic pilots, consisting primarily of a gyroscope that furnishes signals by which an airplane is controlled about its vertical axis.It may also furnish compass stabilization signals.

CONTROL, DIRECTIONAL SCANNING	48946	B

A device which manually/automatically originates scanning control signals to various security monitoring and closed circuit television systems. It allows tracking in both pan (horizontal) and tilt (vertical) planes. It can be both desk-top or rack mounted.

CONTROL (2), DISK DRIVE UNIT	46678	B

An item designed to control the input/output functions between the computer and a DISK DRIVE UNIT or DISK DRIVE UNIT, OPTICAL. Excluded are INTERFACE UNIT, AUTOMATIC DATA PROCESSING and CONTROL (2), DATA TRANSMISSION.

CONTROL, DISPENSER, COUNTERMEASURES	51903	A

A device which determines the mode of operation of a countermeasures dispenser.

Approved Item Name	INC	App Key
CONTROL, DISPENSER, DECOY, COUNTERMEASURES	53201	A

A device which determines the mode of operation of a DISPENSER, DECOY, COUNTERMEASURES.

CONTROL-DISPLAY UNIT	53230	B

A component which performs the dual function of presenting visual information from other sources such as flight instruments and regulating the mode of operation of those sources. The item is essential for operation of the equipment.

CONTROL (1), DISTRIBUTION	41863	A

A control that performs distribution functions for digital signals within a system/subsystem, such as selection of beam, band, display, test functions and/or data logic levels.

CONTROL (2), DOPPLER DRIFT GROUP	19599	B

A component that determines the mode of operation of a DOPPLER DRIFT GROUP.

CONTROL, ELECTRIC BRAKE	50808	E

An item designed to assist in switching a BRAKE, ELECTRIC on and off. Mountings and retaining devices may be included.

CONTROL, ELECTRICAL FREQUENCY	19696	H

An item which electronically permits frequency excursions within predetermined limits from either side of the fundamental frequency of another item such as radio frequency oscillator. Excludes DRIVE, TUNING.

CONTROL (2), ELECTRICAL GONIOMETER #	26001	A
CONTROL (2), ELECTRICAL SYNCHRONIZER	19600	B

A control that determines the mode of operation of a SYNCHRONIZER, ELECTRICAL.

CONTROL (2), ELECTRONIC ACCESS	34702	J

A device specifically designed to remotely open or close a locking system when properly activated by a series of codes or audible signals. It is intended to prevent unauthorized entrance or exit for an inclosed area.It may have a battery standby back up unit when main power fails. It may also have one of several types of remote alarms, audible, signal light, camera, and the like. Excludes CONTROL ALARM; CONTROL, ELECTRICAL FREQUENCY; CONTROL, INTERLOCK; and CONTROL, REMOTE SWITCHING.

Approved Item Name	INC	App Key
CONTROL (2), ELECTRONIC COMMAND SIGNALS PROGRAMMER	00918	A

An item which determines the mode of operation of a PROGRAMMER, ELECTRONIC COMMAND SIGNALS.

CONTROL, EMERGENCY RADAR BOMBING	00919	A

An item which provides manual control prior to and during actual bomb release in case automatic radar bombing equipment fails to operate.

CONTROL, EXPOSURE FREQUENCY, RADAR RECORDING CAMERA	07892	B

An item that automatically programs the operation of a camera in photographing predetermined scan sequences appearing on the face of a radar set indicator. See also INTERVALOMETER, AIRCRAFT CAMERA.

CONTROL (1), FOLLOW-UP, AUTOMATIC PILOT	16199	C

A control designed for use with an automatic pilot to produce a signal for governing the positions of a servo.

CONTROL, FREQUENCY CALIBRATOR SET	00922	A

A component which determines the mode of operation of a frequency calibrator set.

CONTROL, FREQUENCY SELECTOR	19441	B

A single component designed to discriminate among predetermined frequencies for the purpose of regulating the operation of external circuits.

CONTROL, GENERATOR	16417	B

A device which determines the mode of operation of a generator.See also PANEL, POWER DISTRIBUTION.

CONTROL, GIMBAL POSITION, FIRE CONTROL	53367	B

An item that provides facilities for positioning pitch, roll, and yaw gimbals to desired angles during the alignment and erection of the gyrostabilized platform of an infrared detecting set.

CONTROL (2), GUIDED MISSILE FIRING STATION	00924	A

A control which determines the mode of operation of a FIRING STATION, GUIDED MISSILE.

Approved Item Name	INC	App Key
CONTROL (2), GUIDED MISSILE TEST SET	00925	A

A control which determines the mode of operation of a TEST SET, GUIDED MISSILE.

CONTROL (2), GUIDED MISSILE WARHEAD ARMING DEVICE	60284	A

An item specifically designed to control the operation of an ARMING DEVICE, GUIDED MISSILE WARHEAD.

CONTROL (1), GYROSCOPE, ATTITUDE-HEADING	37254	G

A control designed for use with automatic pilots and/or remote attitude indicators consisting primarily of a gyroscope which provides signals for controlling an aircraft about its lateral and longitudinal axis and/or signals for providing a visual presentation of attitude to the pilot.

CONTROL (1), GYROSCOPE, GUIDED MISSILE TAIL	00926	A

An item designed to govern the control surfaces of the tail of a guided missile.

CONTROL, HUMIDITY	05661	D

A device composed of a control-actuating mechanism, an absorption element, and a switch for automatic controlling of humidity in rooms, compartments, and the like. May include an indicator.

CONTROL, HUMIDITY-TEMPERATURE	68039	C

A device composed of a control actuating mechanism and switches for automatic controlling of humidity and temperature in rooms, compartments and the like. For items used only to control humidity see CONTROL, HUMIDITY.

CONTROL, HUMIDITY-TEMPERATURE RECORDING	05663	D

A device composed of sensing elements, one or more switches, a control-actuating mechanism, and a graduated chart, for automatically controlling and recording humidity and temperature in assembly rooms, buildings, compartments, laboratories, and the like. May have a thermometer or other indicator(s).

CONTROL (2), INDICATOR	19601	B
CONTROL-INDICATOR	00908	B

A component which performs the dual function of presenting visual information from other sources such as navigation, radar and the like and regulating the mode of operation of those sources.This item is essential to the end use or operation of the other sources. See also CONTROL-MONITOR.

Approved Item Name	INC	App Key
CONTROL (2), INDICATOR-SYNCHRONIZER	19602	B

A control that determines the mode of operation of an indicator(s) and a synchronizer(s).

CONTROL, INFLATION, RADOME	03898	B

An item which controls the mode of operation of fans, pumps, or other means of inflating a radome. It may include indicating instruments, relays, manual adjustments, fuse holders, switches.

CONTROL (2), INFRARED SET	19603	B

A control that determines the mode of operation of an infrared set.

CONTROL, INTERCOMMUNICATION SET	19255	B

A component which determines the mode of operation of an INTERCOMMUNICATION SET.

CONTROL (1), INTERFACE	41864	A

A control that connects two dissimilar items and/or functions in a system/subsystem, providing compatibility of signal levels. May be used for interconnecting the following type of items/functions: digital signals, demodulations, signal mixing, cursor formatting, and/or information bridging between data input and processor and/or processor and data output.

CONTROL, INTERLOCK	00927	A

A device that determines the mode of operation of an interlock system.

CONTROL (2), INTERROGATOR SET	19605	B
CONTROL (2), INTERROGATOR-TRANSPONDER SET	19606	B

An item that determines the mode of operation of an INTERROGATOR-TRANSPONDER SET.

CONTROL, INTERVAL, PHOTOFLASH BOMB RELEASE	16224	A

A device which provides means for setting the intervals between releases of photoflash bombs, limiting the number of bomb release pulses, and effecting the automatic release for dropping the bombs.It is designed for use in connection with high altitude night aerial photography. See also CONTROL, INTERVAL, PHOTOFLASH CARTRIDGE EJECTOR.

Approved Item Name	INC	App Key
CONTROL, INTERVAL, PHOTOFLASH CARTRIDGE EJECTOR	15707	A

A device for controlling the intervals between automatic ejection of photoflash cartridges, from one or more cartridge ejector units, and limiting the number of cartridges ejected.It is designed for use in connection with low altitude night aerial photography. See also CONTROL, INTERVAL, PHOTOFLASH BOMB RELEASE.

CONTROL (2), INTRAFORMATION POSITIONING SET	19085	B

A control that determines the mode of operation of an INTRAFORMATION POSITIONING SET.

CONTROL (2), KEYER	19607	B
CONTROL (2), KLYSTRON FREQUENCY	25857	B

A control for the selection of a specific frequency from the frequency range of a klystron type of electron tube. It may have secondary functions such as control of sweep pulse characteristics.See also CONTROL, MAGNETRON FREQUENCY.

CONTROL (2), LIGHT GENERATING SCANNER	60285	A

A control that determines the mode of operation of a SCANNER, LIGHT GENERATING.

CONTROL, LIGHT-TIME RECORDER TEST SET #	20626	B

An item which determines the mode of operation of a test set for a light-time recorder.

CONTROL (2), MAGNETIC DRUM	60287	A

An item which controls the mode of operation of a magnetic drum used for the electronic storage of data.

CONTROL (2), MAGNETRON FREQUENCY	19608	B

A control for the selection of a specific frequency from the operating frequency range of a magnetron type of electron tube. It may have secondary functions such as control of sweep pulse characteristics. See also CONTROL, ELECTRICAL FREQUENCY.

CONTROL (1), MASTER, AIRCRAFT CAMERA	19513	A

A device used to turn an aircraft camera system on and off. It may contain dials or other means of setting values such as ground speed, altitude, aperture, and shutter speed.

Approved Item Name	INC	App Key
CONTROL, MINE DETECTOR	00928	A

A component which determines the mode of operation of a mine detector.

CONTROL (2), MISSILE GUIDANCE ALIGNMENT SET	60288	A

A control that determines the mode of operation of a missile guidance alignment set.

CONTROL (2), MISSILE GUIDANCE SET	60289	A

A control that determines the mode of operation of a MISSILE GUIDANCE SET.

CONTROL (2), MISSILE GUIDANCE SYSTEM EXERCISE SET	00929	A

A control that determines the mode of operation of a component that is used for the actuation of a missile guidance system during operational checkout procedures.

CONTROL (2), MODE SELECTOR, NAVIGATION	49773	B

A control designed to select and monitor different radio navigation systems via a switching function. Switch selector may be toggle or rotary.

CONTROL (2), MODULATOR	19609	B

A component that determines the mode of operation of a modulator.

CONTROL (2), MOTION-STILL PICTURE CAMERA SET	19610	B
CONTROL (2), MOTOR-GENERATOR	19611	B

An item that determines the mode of operation of a motor-generator.

CONTROL (2), MOTOR-TRANSMISSION	19612	B

An item that determines the mode of operation of a MOTOR-TRANSMISSION.

CONTROL (1), MULTIPLEXER	19613	B

A control that determines the mode of operation of a MULTIPLEXER.

CONTROL (2), NAVIGATIONAL COMPUTER SET	19614	B

A control that determines the mode of operation of a navigational computer set.

Approved Item Name	INC	App Key
CONTROL-OSCILLATOR	60300	A

A single component with the dual function of controlling the mode of operation of, and supplying a suitable frequency to another component or set. The control and oscillator may be used with each other, but must be used with other components.

CONTROL, OSCILLOSCOPE	00931	A

A component which determines the mode of operation of an OSCILLOSCOPE.

CONTROL PANEL, TEST	39323	B

A panel that is specifically designed to control the actions of and is an integral part of a test set or a test station. Excludes PANEL, TEST, ELECTRICAL; PANEL, POWER DISTRIBUTION; PANEL INDICATOR; and PANEL BLANK.

CONTROL (1), POWER STEERING SYSTEM	49786	A

A control which determines the mode of operation of a power steering system and which may be connected to a sensor.

CONTROL (2), POWER SUPPLY	00932	A

A component which determines the mode of operation of one or more power supplies.

CONTROL (2), POWER SUPPLY SET	19086	B
CONTROL (2), PRESSURIZING SET	00933	A

A control that determines the mode of operation of a pressurizing set. See also CONTROL, INFLATION, RADOME.

CONTROL, PUBLIC ADDRESS SET	00934	A

A component that determines the mode of operation of a PUBLIC ADDRESS SET.

CONTROL (2), RADAR DISPLAY UNIT	50205	B

A control that determines the mode of operation of a DISPLAY UNIT, RADAR.

CONTROL (2), RADAR MAPPING CENTRAL	19615	B

A control that determines the mode of operation of a RADAR MAPPING CENTRAL.

CONTROL, RADAR SET	19087	B

A component that determines the mode of operation of a RADAR SET. May include accessories.

Approved Item Name	INC	App Key
CONTROL, RADAR SET TRANSFER	00935	A

A device which effects the transfer of operation from one RADAR SET to another in case of failure or reduced performance of one or more operating components.

CONTROL, RADAR SET TURNTABLE	00936	A

A component which determines the mode of operation of a TURNTABLE, RADAR SET.

CONTROL, RADIO BEACON	00937	A

A device that determines the mode of operation of a radio beacon.

CONTROL (2), RADIO BEACON SET	19616	B

A control that determines the mode of operation of a BEACON SET, RADIO.

CONTROL, RADIO SET	00938	A

A single component that determines the mode of operation of a radio set.

CONTROL, RADIO SET TRANSFER	00939	A

A single component which effects the transfer of operation from one radio set to another in case of failure or reduced performance of one or more operating components.

CONTROL (1), RADIOSONDE SET DISPENSER	00940	A

A control which regulates the operation of a radiosonde set dispenser.

CONTROL (2), RADOME POSITIONING #	60290	A

A control that determines the azimuth rotation of a radome.

CONTROL (1), RATE OF TURN, AUTOMATIC PILOT	16291	G

A control designed for use with an automatic pilot, consisting primarily of a gyroscope which furnishes a rate of turn signal to an automatic pilot system.

CONTROL (2), RECEIVER	19617	B
CONTROL, RECEIVER, COUNTERMEASURES	53269	B

A single component that determines the mode of operation of a RECEIVER, COUNTERMEASURES.

Approved Item Name	INC	App Key
CONTROL (2), RECEIVER-TRANSMITTER	60291	A

A control that determines the mode of operation of a receiver-transmitter. Excludes RECEIVER-TRANSMITTER CONTROL GROUP.

CONTROL (2), RECORDER	19618	B
CONTROL (2), RECORDER-REPRODUCER	41954	B

An item which determines the mode of operation for a RECORDER-REPRODUCER.

CONTROL (2), RECORDING SET	19619	B

An item which controls the mode of operation of a recording set.

CONTROL, REEL	00941	A

A device which determines the mode of operation of a reel.

CONTROL, REMOTE SWITCHING	05106	B

An item which determines the mode of operation of one or more remote switches or switch assemblies or of an electrical switching system.If the item also includes an operational control indicator, use CONTROL-INDICATOR.See also CONTROL, ROTARY SWITCH.

CONTROL, ROTARY SWITCH	07318	B

An item which determines the mode of operation of an integral rotary switch. It is controlled manually or by a CONTROL, REMOTE SWITCHING.

CONTROL, SENSITIVITY TIME, RADAR	60293	A

An item that increases the near target detection capability of a radar set, by accelerating the receiver rise time through the trailing edge of the transmitter pulse. The control may also be adjusted to provide interpulse dead time space for the transfer of signal data to other equipment.

CONTROL (1), SERVO, AUTOMATIC PILOT	16200	C

A control used with automatic pilots for controlling the power to servo or servos.

CONTROL (1), SERVO, CONTROLLABLE PITCH PROPELLERS	03363	C

A control unit designed for use with marine controllable pitch propellers to position the valve side of the main servomotor valve.

Approved Item Name	INC	App Key
CONTROL SET, SONAR COMMUNICATION	47930	A

An item designed to determine the operation of a COMMUNICATION SET,SONAR.

CONTROL (1), SIGHT, TARGET TRACKING	62031	A

A hand manipulated control specifically designed to operate a servo-powered gimballed sighting device used for tracking a moving target from a helicopter or other vehicle. Tracking movements of the sight generates error voltages for automatically correcting the flight path of the vehicle-launched guided missile. Excludes CONTROL, DESTINATION PRESET; CONTROL, GIMBAL POSITION; CONTROL, MISSILE GUIDANCE SET; and CONTROL, TARGET INTERCEPT.

CONTROL (2), SIGNAL COMPARATOR	00943	A

A control that determines the mode of operation of a COMPARATOR, SIGNAL.

CONTROL (2), SIGNAL PROCESSOR	47988	B

A device specifically designed to determine the mode of operation of an item designed to process sonar target signal data.

CONTROL, SIMULATOR	00944	A

A device which determines the mode of operation of a simulator.

CONTROL, SONAR DETECTING-RANGING SET	17475	A

A component which determines the mode of operation of a sonar detecting-ranging set.

CONTROL, SONAR HOIST-TRAIN MECHANISM	17476	A

A device which determines the mode of operation of a sonar hoist-train mechanism.

CONTROL, SONAR PROJECTOR	17477	A

A device which determines the mode of operation of a sonar projector.

CONTROL SYSTEM, FIRE SUPPRESSION	38847	B

A grouping of items designed to provide local/remote controlled fire suppression activation. It consists of the master control module, local and/or remote fire suppression devices and fire/smoke detection devices that provide the operator with visual and/or aural warning of danger. Excludes automatic sprinkler systems and manually operated fire suppression devices.

Approved Item Name	INC	App Key
CONTROL, TAPE PULLER	00946	A

A device which determines the mode of operation of a tape puller.

CONTROL (2), TARGET INTERCEPT	19620	B

A control for establishing a collision course to an airborne target. See also CONTROL (2), DESTINATION PRESET.

CONTROL, TELEGRAPH LINE	00947	A

A device used to determine the mode of operation in a telegraph line.

CONTROL (2), TELEMETRIC DATA RECEIVING SET	00948	A
CONTROL, TELEPHONE LINE	00949	A

A device used to determine the mode of operation in a telephone line.

CONTROL, TELEVISION CAMERA	46023	B

A device designed to control the operation of a CAMERA, TELEVISION. Control functions may include such things as lens response, focus, wide or narrow field of vision, iris control, or camera direction.

CONTROL, TEMPERATURE, INDICATING	05662	D

A device composed of a control-actuating mechanism, a switch, and a graduated scale or other indicator. It is designed to measure and control temperature in ovens, furnaces, and the like, through perception of a sensing element connected to the control. Excludes SWITCH, THERMOSTATIC and THERMOSTAT, FLOW CONTROL.

CONTROL, TEMPERATURE, RECORDING	05665	D

A device composed of a switch, a sensing element, a control-actuating mechanism, and a graduated chart, for automatically controlling and recording temperature in compartments, furnaces, ovens, and the like. It may include a thermometer or other indicator.

CONTROL, TEST	46369	B

An item designed to interface with two or more components of TEST SET, RADIO to provide readiness verification and fault isolations. It measures and controls power inputs, frequencies, and time intervals. In addition, it provides signal switching and processing capabilities.

CONTROL, TRAINER	00950	A

A device that determines the mode of operation of a trainer.

Approved Item Name	INC	App Key
CONTROL (2), TRANSLATOR, SIGNAL DATA	19621	B

An item that determines the mode of operation of a signal data translator.

CONTROL (2), TRANSMITTER #	19622	B
CONTROL (2), TRANSMITTER, COUNTERMEASURES	42846	B
CONTROL (2), TRANSMITTER, FIRE CONTROL	42847	B
CONTROL (2), TRANSMITTER, RADAR	42849	B
CONTROL (2), TRANSMITTER, RADIO	42848	B
CONTROL, TRANSMITTER-TELETYPEWRITER	00951	A

A device which determines the mode of operation of a transmitter and teletypewriter.

CONTROL (2), TRANSPONDER SET	19623	B

A control that determines the mode of operation of a TRANSPONDER SET.

CONTROL, UNDERWATER LOG	00952	A
CONTROL UNIT, ELECTRONIC, MACHINE GUN	37773	A

An item which electronically determines the mode of operation of an automatic machine gun.

CONTROL (2), VOLTAGE REGULATOR	60295	B

An item which controls the output of a voltage regulator by maintaining the voltages at a constant difference.

CONTROL (2), WIND DATA DISTRIBUTION GROUP	19624	B

A control that determines the mode of operation of a wind data distribution group.

Controller

1.A device used to control in some predetermined manner an output delivered to the apparatus that is to perform the required function(s).

Approved Item Name	INC	App Key
CONTROLLER, AIR INLET, ELECTRONIC	53017	B

A device which accepts inputs from various sensors and regulates air flow to the engine intakes by opening and closing the inlet ramps in order to let more or less air in to ensure efficient operation.

CONTROLLER, COMPOSITE REPAIR SET, AIRCRAFT	49774	B

A unit designed to control temperature, pressure and vacuum over a programmable period of time to bond composite materials. See also COMPOSITE REPAIR SET, AIRCRAFT.

CONTROLLER (1), DATA ENTRY, AUTOMATIC DATA PROCESSING	48719	A

A device which generates a signal used to move a cursor and/or tracking symbol on the screen of a display device such as a cathode ray tube. It may manipulate graphic and text data by utilizing preprogrammed or user defined controls and switches. It may include any combinations of the following data entry devices: JOYSTICK, DATA ENTRY; MOUSE, DATA ENTRY and TRACKBALL, DATA ENTRY.

CONTROLLER, EDITING, VIDEO	42006	B

A single electronic component which, when connected between two RECORDER-REPRODUCER, VIDEO, controls the editing of a video tape.

CONTROLLER (1), ENGAGING, AUTOMATIC PILOT	03364	B

A controller used to engage and disengage the automatic pilot system in part or in whole.

CONTROLLER (1), FLIGHT, AUTOMATIC PILOT	03365	B

A controller designed to control an aircraft through an automatic pilot in pitch, yaw, roll and coordinated turns.

CONTROLLER, FLUID PURITY	12941	B

A device designed for controlling fluid purity by stopping the flow of fluid below a preset valve. It may include a recorder and/or indicator.

CONTROLLER, GYRO CAGING, INDUCTION COMPASS	03565	B

A component used to cage and uncage the gyro mechanism of an aircraft induction compass transmitter.

CONTROLLER (1), SIMULATOR SUBSYSTEM, FIRING LASER	38563	A

A controller used to activate/deactivate a simulator subsystem. It may complement operation of the subsystem by simulating the loading of ammunition containers on board a ground vehicle, aircraft, or ship.

Approved Item Name	INC	App Key
CONTROLLER SYSTEM, COMMON	68288	B

A grouping of equipment used to operate and control various unmanned systems (ground and air) and sensors. It can control class 1 unmanned aerial vehicles and their sensor payloads, unmanned ground vehicles and their sensor and weapon payloads, unattended ground sensors and some manned ground vehicle functions. It also enables superior situational awareness, training, logistics and medical functions. Consists of a control-display unit, computer, and the associated peripherals.

CONTROLLER, TEST, ELECTRONIC SYSTEM	45808	B

A device used to control test assets over a standard or non-standard bus. May also contain the processing capability necessary to interpret data received from the assets and to execute programs from either internal or external memories. Excludes CONTROLLER, TEST, GUIDED MISSILE SYSTEM.

CONTROLLER (1), TURN, AUTOMATIC PILOT	03366	B

A controller used in conjunction with an automatic pilot for steering an airplane about the vertical axis.

CONTROLLER, VIDEO DISTRIBUTION	66929	B

A device that receives, digitizes, controls, and buffers a variety of video signals. Provides numerous output signals to high color resolution displays and receives/processes operator inputs. Will also output text and screen images to a hard copy recorder. Excludes: CONTROLLER, EDITING, VIDEO; RECORDER SET, VIDEO; REPRODUCER, VIDEO.

DATA ENTRY UNIT	50206	A

An item specifically designed to provide information to a COMPUTER (as modified), but cannot be assigned a more definitive item name. Data may be entered by the setting of toggle, rotory, thumbwheel and/or push button switches. The item may provide limited indication facilities such as LEDs, indicator lights or the like. See also JOYSTICK, DATA ENTRY; KEYBOARD, DATA ENTRY; MOUSE, DATA ENTRY; OPTICAL READER, DATA ENTRY; TOUCHSCREEN, DATA ENTRY; TRACKBALL, DATA ENTRY; and SCANNER, OPTICAL.

DIRECTION FINDER, COMMUNICATIONS ACQUISITION	67970	A

A collection of items that perform direction finding and signal acquisition/analysis and recognition functions.

INTERVALOMETER, AIRCRAFT CAMERA	07890	A

A control, which when connected to an aircraft camera of suitable type, will automatically trip the camera at predetermined intervals. See also CONTROL, EXPOSURE FREQUENCY, RADAR RECORDING CAMERA.

Approved Item Name	INC	App Key
INTERVALOMETER, BOMB RELEASE	62054	A

An item specifically designed to electronically control the timing, firing and release of Aircraft Bombs at predetermined intervals.

INTERVALOMETER, COUNTERMEASURES DISPENSER	51904	A

An item that automatically programs the operation of a DISPENSER, COUNTERMEASURES in accordance with a manually established predetermined sequence.

INTERVALOMETER, MINE DISPENSER	61850	A

A manually preset control designed to electrically initiate the timing and firing sequences of an explosive canister opener.

INTERVALOMETER, ROCKET LAUNCHER	61404	A

A control designed to be connected to a rocket pad or the like, to automatically launch a missile(s) at predetermined intervals.

OPTICAL READER, DATA ENTRY	41711	A

A device which contains a light source, such as a light emitting diode or a laser diode and a light detector, such a semiconductor photo. It may/may not include other electronic circuitry. It is used to scan bar codes, alpha/numeric characters, markings, or the like. It converts the scanned data to a signal which can be input into an electronic system, such as a computer. It may be designed either as a hand manipulated device or as a device which is mounted in a fixed position for operation. Excludes RECEIVER-TRANSMITTER, LASER.See also COUPLER, OPTOELECTRONIC.

Panel

1.A single flat-surfaced item upon which are mounted such items as switches, variable resistors, relays, meters, circuit breakers, fuses, jacks, and the like, and may be used to perform functions such as control, protection, measuring, and switching. It may or may not have associated framework and/or inclosure. Do not use if all of the items mounted thereon have the same basic name or for items for which a more specific name can be found in the index.

PANEL (1), FIRING, GUIDED MISSILE	19625	B

A panel upon which are mounted items such as meters, switches, lights, and other necessary instruments which indicate a missile's readiness to fire. Includes facilities for firing a guided missile.

READER, OPTICAL, IDENTIFICATION	67853	A

A device which uses a visible/infra-red/ultra-violet light detector to scan bar codes, alpha-numeric characters, or other marking codes. It converts the scanned data to a signal which is input into an electronic inventory/tracking system. the unit maybe operated at a fixed site or hand-held. The unit may also include a light source for use in reduced light areas. Excludes RECEIVER-TRANSMITTER, LASER..

Approved Item Name	INC	App Key
RECORDER, LIQUID LEVEL, FLOAT TYPE	13513	K

An instrument composed of float(s), stylus(es), clock mechanism(s), and a drum and/or spool(s) for making a continuous record of liquid height over a period of time. Excludes rain recorders and those recorders which indicate or receive information from a transmitting element(s).

REMOTE CONTROL RADIO DEVICE, HANDHELD	52232	A

A device which acts as a normal radio handset and provides remote control for channel selections, power selection, channel/frequency selection, volume control, and the like. It provides connection to communication networks by wire connection and wireless connection through radio link (VHF) or satellite link. May include encryption option to use with secure communications network.

STATION, CHECKPOINT	67106	A

A flat item usually designed to be mounted on a wall. It is pre-programmed in order to be ready-to-use. It is used in combination with a data recorder to check that the security officer correctly makes its guard tour.

TOUCHSCREEN, DATA ENTRY	41454	A

A device which uses a pressure-sensitive panel to input information to an electronic computer system and/or control the operation of a system. It is mounted on the face of a display unit such as a cathode ray tube. It may include mounting hardware.

VIDEO INTERFACE GROUP	67310	B

A collection of items that receives, digitizes, controls and buffers video data transmitted to a terminal. Provides output for on-site display, editing, network storage and remote access of audio and video data for command and control purposes. Excludes: CONTROLLER, VIDEO DISTRIBUTION; CONTROLLER, EDITING, VIDEO; RECORDER SET, VIDEO; and REPRODUCER, VIDEO.

VIDEO PROCESSING WORKSTATION	67445	B

A data display and entry item consisting of computer hardware, firmware and software used to process, edit and disseminate video operational data. Workstation will further include an archive unit. Excludes: CONTROLLER, VIDEO DISTRIBUTION; CONTROLLER, EDITING, VIDEO; RECORDER SET, VIDEO; REPRODUCER, VIDEO; ENHANCING UNIT, VIDEO; MEMORY UNIT, VIDEO; PROCESSOR, VIDEO SIGNAL; VIDEO INTERFACE GROUP and WORKSTATION, COMPUTER GRAPHICS.

APPLICABILITY KEY INDEX

	A	B	C	D	E	F	G	H	J	K
NAME	X	X	X	X	X	X	X	X	X	X
ATJK	X	X	X	X	X	X	X	X	X	
APQC									X	X
AEXS	AR	AR	AR	AR	AR	AR	AR	AR		
AEXR	AR	AR	AR	AR	AR	AR	AR	AR		
AFXE	X	X	X	X	X	X	X	X	X	AR
FREQ	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
FAAZ	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AMPS	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AZQH	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
CKQY	AR	AR	AR	AR	AR	AR	AR	AR		X
CKQZ	AR	AR	AR	AR	AR	AR	AR	AR		X
CCFF	X	X	X	X	X	X	X	X		AR
APXH	X	X	X	X	X	X	X	X		AR
AEEF	AR	AR	AR	AR	AR	AR	AR	AR		
AEEE	AR	AR	AR	AR	AR	AR	AR	AR		
CKRB			X				X			
BRGW			AR				AR			
THDS			AR				AR			
AAJD			AR				AR			
CKRC			AR				AR			
ADTV	X	X	X	X	X	X	X	X		X
ADTY	AR	AR	AR	AR	AR	AR	AR	AR		AR
AKNA	X	X	X	X	X	X	X	X	X	X
CHQP	X	X	X	X	X	X	X	X	X	AR
CHQQ	X	X	X	X	X	X	X	X	X	AR
CHQR	X	X	X	X	X	X	X	X	X	AR
CKRD	AR	AR	AR	AR	AR	AR	AR	AR		AR
AFGA	AR	AR	AR	AR	AR	AR	AR	AR	AR	
AXGY	AR	AR	AR	AR	AR	AR	AR	AR	AR	X
ASXT	AR	AR		AR						X
CBBL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
CKRF					X				X	
CKRG							X			
CKRH						X		X		
CKRJ						X				
CKRK								X		
RADC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
NHCF	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
DDAC	X	X	X	X	X	X	X	X	X	X
NAAC	X	X	X	X	X	X	X	X	X	X
FEAT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
TEST	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
SPCL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

ZZZY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
CRTL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
PRPY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ENAC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ELRN	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ELCD	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
BBRJ	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AFJN	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
BHMT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
RADD	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AFJQ	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ADZC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
BBRG	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
PRMT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
PMWT	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
PMLC	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AGAV	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
CKRL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
AFJK	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
SUPP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
FCLS	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
FTLD	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
TMDN	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
RTSE	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
RDAL	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
NTRD	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
CXCY	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR

SECTION I

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code from the Approved Item Name Index. (e.g., NAMED16198*)

A, B, C, D, E, F, G, H, J

ATJK	D	POWER SOURCE

Definition: THE SOURCE OF POWER WHICH DRIVES THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ATJKDBJ*; ATJKDBH$$DBJ*; ATJKDBH$DBJ*)

REPLY CODE	REPLY (AG27)
BJ	EXTERNAL
BH	SELF-CONTAINED

J, K

APQC	D	ACTIVATION METHOD

Definition: THE MEANS USED TO ACTIVATE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APQCDACN*; APQCDABS$$DACN*)

REPLY CODE	REPLY (AC58)
ACM	AUDIBLE
ACN	CARD
ACP	KEY
ABS	KEYBOARD

APP Key	MRC	Mode Code	Requirements

A*, B*, C*, D*, E*, F*, G*, H*

AEXS D BATTERY TYPE

Definition: INDICATES THE TYPE OF BATTERY(IES) USED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AEXSDB*)

REPLY CODE	REPLY (AD57)
B	DRY
C	WET

A*, B*, C*, D*, E*, F*, G*, H*

AEXR A BATTERY QUANTITY

Definition: THE NUMBER OF BATTERIES REQUIRED FOR OPERATION.

Reply Instructions: Enter the quantity. (e.g., AEXRA2*)

A, B, C, D, E, F, G, H, J, K*

AFXE J MAXIMUM VOLTAGE RATING IN VOLTS

Definition: THE MAXIMUM VOLTAGE RATING AT WHICH THE ITEM IS DESIGNED TO OPERATE IN AN ALTERNATING CURRENT AND/OR DIRECT CURRENT CIRCUIT, EXPRESSED IN VOLTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFXEJB24.0*; AFXEJB120.0$$JC24.0*; AFXEJB110.0$JB220.0*)

REPLY CODE	REPLY (AE16)
B	AC
C	DC

ALL*

FREQ B FREQUENCY IN HERTZ

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the numeric value. (e.g., FREQB50.0*)

Enter multiple replies in the same sequence established for MRC AFXE. (e.g., FREQB60.0$$B90.0*; FREQB50.0$B60.0*)

ALL*

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDC*)

Enter multiple replies in the same sequence established for MRC AFXE. (e.g., FAAZDA$$DC*; FAAZDA$DC*)

REPLY CODE	REPLY (AD02)
A	SINGLE
C	THREE
B	TWO

ALL*

AMPS B CURRENT RATING IN AMPS

Definition: THE ELECTRICAL CURRENT RATING, EXPRESSED IN AMPERES.

Reply Instructions: Enter the numeric value. (e.g., AMPSB1.5*)

Enter multiple replies in the same sequence established for MRC AFXE. (e.g., AMPSB3.0$$B1.5*; AMPSB1.5$B2.5*)

ALL*

AZQH B MAXIMUM WATTAGE RATING IN WATTS

Definition: THE MAXIMUM RATED POWER THAT AN ITEM CAN SAFELY CONSUME OR PROVIDE, MEASURED IN WATTS.

Reply Instructions: Enter the numeric value. (e.g., AZQHB25.0*)

Enter multiple replies in the same sequence established for MRC AFXE. (e.g., AZQHB40.0$$B25.0*; AZQHB25.0$B40.0*)

APP Key	MRC	Mode Code	Requirements

A*, B*, C*, D*, E*, F*, G*, H*, K

CKQY H INTELLIGENCE DATA HANDLING CAPABILITY

Definition: THE INTELLIGENCE DATA THE ITEM IS CAPABLE OF HANDLING.

Reply Instructions: Enter the applicable Reply Codes from Appendix A , Table 2, and from Tables 1 and 2 below. (e.g., CKQYHAAXABAABD*)

For multiple replies, use AND Coding ($$) entering all of the RECEIVING replies first, followed by all of the TRANSMITTING replies. (e.g., CKQYHABGACAABD$$HABLACAAAF)*

Table 1

REPLY CODE	REPLY (AK27)
AB	RECEIVING (input)
AC	TRANSMITTING (output)

Table 2

REPLY CODE	REPLY (AC58)
AABD	AUTOMATIC
AAAF	MANUAL

A*, B*, C*, D*, E*, F*, G*, H*, K

CKQZ H INDICATION METHOD

Definition: THE MEANS PROVIDED TO INDICATE DATA.

Reply Instructions: Enter the applicable Reply Codes from the table below, and from Appendix A , Table 3. (e.g., CKQZHABAER*)

For multiple replies, use AND Coding ($$) entering in the same sequence established for MRC CKQY. (e.g., CKQZHABAER$$HACABK)*

REPLY CODE	REPLY (AK27)
AB	RECEIVING (input)
AC	TRANSMITTING (output)

A, B, C, D, E, F, G, H, K*

CCFF J TERMINAL TYPE AND QUANTITY

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES THE TYPE AND NUMBER OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1, followed by the numeric value. For assistance in selecting terminal type, refer to Appendix B, Reference Drawing Group A. (e.g., CCFFJAAAP5*: CCFFJAADD3$$JAAAP3*)

A, B, C, D, E, F, G, H, K*

APXH D TERMINAL LOCATION

Definition: THE POSITION OF THE TERMINAL(S) FOR MAKING CONNECTION TO AN ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 7. (e.g., APXHDAAX*)

Enter multiple replies in the same sequence established for MRC CCFF. (e.g., APXHDAAZ$$DABC*)

NOTE FOR MRCS AEEF AND AEEE: REPLY TO THESE MRCS, IF REPLY CODE AAAZ, AABD, AADD, AAAP, OR AADE WAS ENTERED FOR MRC CCFF.

A*, B*, C*, D*, E*, F*, G*, H* (See Note Above)

AEEF A CONNECTOR MANUFACTURER PART NUMBER

Definition: THE IDENTIFYING PART NUMBER ASSIGNED TO THE ELECTRICAL CONNECTOR RECEPTACLE.

Reply Instructions: Enter the part number.

(e.g., AEEFAMS3102E18-12P*)

Enter multiple replies in the same sequence established for MRC CCFF.

(e.g., AEEFAM35102E18-12P$$AAN3102A-10SL-4P*)

A*, B*, C*, D*, E*, F*, G*, H* (See Note Preceding MRC AEEF)

AEEE A CONNECTOR MANUFACTURER CODE

Definition: THE IDENTIFYING NUMERIC CODE OF THE ORIGINATOR THAT CONTROLS OR MANUFACTURES THE ELECTRICAL CONNECTOR RECEPTACLE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE)code from Cataloging Handbook H4-1. (e.g., AEEEA81349*)

Enter multiple replies, in the same sequence established for MRC CCFF. (e.g., AEEEA02660$$A81349*)

C, G

CKRB J NONELECTRICAL CONNECTION TYPE AND QUANTITY

Definition: INDICATES THE TYPE AND NUMBER OF NONELECTRICAL CONNECTIONS.

Enter the applicable Reply Code from the table below, followed by the quantity. (e.g., CKRBJBG3*; CKRBJPX1$$JBG2*)

REPLY CODE	REPLY (AB76)
PX	BEADED
BG	THREADED
BH	UNTHREADED

NOTE FOR MRC BRGW: REPLY TO THIS MRC, IF REPLY CODE PX OR BH IS ENTERED FOR MRC CKRB.

C*, G* (See Note Above)

BRGW J MAXIMUM OUTSIDE DIAMETER

Definition: THE MAXIMUM LENGTH OF A STRAIGHT LINE WHICH PASSES THROUGH THE CENTER OF THE ITEM, AND TERMINATES AT THE OUTSIDE CIRCUMFERENCE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BRGWJA2.500*; BRGWJL6.3*)

Enter multiple replies in the same sequence established for MRC CKRB. (e.g., BRGWJA1.500$$JA2.750*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRCS THDS, AAJD, AND CKRC: REPLY TO THESE MRCS, AS APPLICABLE, IF REPLY CODE BG WAS ENTERERD FOR MRC CKRB.

C*, G* (See Note Above)

THDS J THREAD SIZE AND SERIES/TYPE DESIGNATOR

Definition: DESIGNATES THE THREAD DIAMETER, SERIES/TYPE, AND NUMBER OF THREADS PER SPECIFIC MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 11, followed by the thread size.

(e.g., THDSJNC0.500-20*)

Enter multiple replies in the same sequence established for MRC CKRB.

(e.g. THDSJNC0.500-20$$JNC0.190-32*)

If in the metric system of thread designation, enter the code for the applicable metric screw thread series, i.e., SS or SM, as applicable, followed by the diameter (in millimeters), an X, and the pitch (in millimeters). (e.g., THDSJSS0.8X0.125*)

See Appendix C, Table 4 for Unified Thread Size/Series.For metric sizes, see Appendix C, Table 5.

C*, G* (See Note Preceding MRC THDS)

AAJD A THREAD CLASS

Definition: A NUMERIC-ALPHA DESIGNATOR INDICATING THE PITCH DIAMETER TOLERANCE AND AN EXTERNAL OR INTERNAL THREAD.

Reply Instructions: Enter the thread class. (e.g., AAJDA2A*)

Enter multiple replies in the same sequence established for MRC THDS. (e.g., AAJDA1B$$A2A*)

C*, G* (See Note Preceding MRC THDS)

CKRC J MAXIMUM THREAD LENGTH

Definition: A MEASUREMENT OF THE THREADS ALONG A LINE PARALLEL TO THE LONGITUDINAL AXIS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CKRCJA0.750*; CKRCJL6.3*)

Enter multiple replies in the same sequence established for MRC THDS. (e.g., CKRCJA0.750$$JA0.500*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

A, B, C, D, E, F, G, H, K

ADTV D CASE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE CASE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., ADTVDBN0000*; ADTVDAL0000$$DSTD000$DST0000*)

A*, B*, C*, D*, E*, F*, G*, H*, K*

ADTY D CASE SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF.PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS THE SURFACE OF THE CASE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 6. (e.g., ADTYDCN0000*; ADTYDAN0000$$DCN0004$DZNA000*)

ALL

AKNA D INCLOSURE TYPE

Definition: INDICATES THE TYPE OF INCLOSURE PROVIDED TO COAT, COVER, PROTECT, OR ENCASE THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AKNADAB*)

REPLY CODE	REPLY (AG85)
AC	ENCAPSULATED

APP Key	MRC	Mode Code	Requirements
		AN	ENCASED
		AD	HERMETICALLY SEALED
		AP	PARTIALLY INCLOSED
		AB	UNINCLOSED

A, B, C, D, E, F, G, H, J, K*

CHQP J MAXIMUM OVERALL LENGTH

Definition: A MAXIMUM MEASUREMENT OF THE LONGEST DIMENSION OF AN ITEM, IN DISTINCTION FROM WIDTH.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CHQPJA27.250*; CHQPJL36.0*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

A, B, C, D, E, F, G, H, J, K*

CHQQ J MAXIMUM OVERALL WIDTH

Definition: THE MAXIMUM MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CHQQJA12.500*; CHQQJL16.0*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

A, B, C, D, E, F, G, H, J, K*

CHQR J MAXIMUM OVERALL HEIGHT

Definition: THE MAXIMUM DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CHQRJA10.500*; CHQRJL8.0*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

A*, B*, C*, D*, E*, F*, G*, H*, K*

CKRD H SENSING ELEMENT TYPE AND LOCATION

Definition: INDICATES THE TYPE AND LOCATION OF THE SENSING ELEMENT.

Reply Instructions: Enter the applicable Reply Codes from Appendix A , Table 13, and from the table below. (e.g., CKRDHACDABX*)

For multiple replies, use AND Coding ($$). (e.g., CKRDHACDABX$$HACUAKP)*

REPLY CODE	REPLY (AJ91)
ABX	INTERNAL
AKP	REMOTE

A*, B*, C*, D*, E*, F*, G*, H*, J*

AFGA J OPERATING TEMP RANGE

Definition: THE MINIMUM AND MAXIMUM LIMITS OF TEMPERATURE AT WHICH THE ITEM IS RATED FOR OPERATION.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values separated by a slash. Precede negative values with an M, and positive values with a P. (e.g., AFGAJCM55.0/P125.0*)

REPLY CODE	REPLY (AB36)
C	DEG CELSIUS
F	DEG FAHRENHEIT

A*, B*, C*, D*, E*, F*, G*, H*, J*, K

AXGY D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 9. (e.g., AXGYDBJX*; AXGYDASL$$DAKF*; AXGYDAED$DABR*)

A*, B*, D*, K

ASXT G OPERATING RANGE

Definition: THE MINIMUM AND MAXIMUM OPERATING LIMITS OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ASXTG340 DEG MAX RANGE OF AZIMUTH INDICATOR*; ASXTG5 TO 50 LB PRESSURE RANGE*)

NOTE FOR MRC CBBL AND FEAT: E MODE REPLIES WILL NOT BE ACCEPTED IN REPLY TO MRC CBBL. IF A REPLY IS NOT REFERENCED ON THE TABLE, ENTER THE FEATURE IN REPLY TO MRC FEAT.

ALL* (See Note Above)

CBBL D FEATURES PROVIDED

Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 12. (e.g., CBBLDAABD*; CBBLDAAEX$$DAAEY*)

E, J

CKRF D LOCKING DEVICE OPERATION METHOD

Definition: THE MEANS PROVIDED TO OPERATE THE LOCKING DEVICE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CKRFDAACL*)

REPLY CODE	REPLY (AC58)
AABF	HYDRAULIC
AACL	MOTOR
AAGP	SOLENOID

G

CKRG J AIR SUCTION RATING

APP Key	MRC	Mode Code	Requirements

Definition: THE AMOUNT OF AIR SUCTION REQUIRED.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CKRGJT127.0*)

See Appendix C, Table 3 for conversion into vacuum units.

REPLY CODE	REPLY (AC43)
R	BAR
U	MICROTORR
L	MILLITORR
T	TORR

F, H

CKRH J MAINTAINED FREQUENCY

Definition: AN INDICATION OF THE FREQUENCY THE ITEM IS DESIGNED TO MAINTAIN.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CKRHJADR10.000*)

REPLY CODE	REPLY (AK09)
ADP	HERTZ
ADR	KILOHERTZ
AEC	MEGAHERTZ

F

CKRJ D FREQUENCY DEVICE TYPE

Definition: INDICATES THE TYPE OF FREQUENCY DEVICE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CKRJDEYQ*)

REPLY CODE	REPLY (AK54)
EYQ	PIEZOELECTRICAL CRYSTAL
EYR	RESONANT CIRCUITRY
EYS	TUNING FORK

APP Key	MRC	Mode Code	Requirements
H			
	CKRK	J	MAXIMUM MAINTAINED FREQUENCY DEVIATION

Definition: THE GREATEST DEVIATION IN FREQUENCY PERMISSIBLE IN THE OPERATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., CKRKJAEC5.000*)

REPLY CODE	REPLY (AK09)
ADP	HERTZ
ADR	KILOHERTZ
AEC	MEGAHERTZ

NOTE FOR MRC RADC: IF THE ITEM CONTAINS RADIOACTIVE MATERIAL, REPLY TO MRC RADC. IF A REPLY IS ENTERED FOR MRC RADC, A REPLY TO MRC RADD IN SECTION III, IS MANDATORY.

ALL* (See Note Above)

RADC D RADIOACTIVE CONTENT

Definition: AN INDICATION OF WHETHER OR NOT THE ITEM CONTAINS RADIOACTIVE MATERIALS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., RADCDP*)

REPLY CODE	REPLY (AN54)
P	CONTAINS RADIOACTIVE MATERIAL

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL* (See Note Above)

NHCF D NUCLEAR HARDNESS CRITICAL FEATURE

Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the reply code from the table below. (e.g., NHCFDCY*)

REPLY CODE	REPLY (AD05)
CY	HARDENED

ALL

DDAC * A DOD AMMUNITION CODE

Definition: A NINE (9) CHARACTER SEMI SIGNIFICANT NUMBER DIVIDED INTO TWO PARTS BY A HYPHEN CENTRALLY ASSIGNED TO GENERIC DESCRIPTIONS APPLICABLE TO ITEMS OF SUPPLY IN FSG 13 AND 14.

Reply Instructions: Enter the code.

(e.g., DDACA1315-C704*)

ALL

NAAC * A AMMUNITION CODE

Definition: A SIGNIFICANT CODE CONSISTING OF A COMBINED GROUP OF LETTERS, NUMERALS, AND/OR SYMBOLS ASSIGNED TO ITEMS OF SUPPLY IN FSG 13 AND 14. IDENTICAL CODES SIGNIFY FUNCTIONALLY INTERCHANGEABLE ITEMS FOR ISSUE AND USE.

Reply Instructions: Enter the code.

(e.g., NAACA*)

ALL * (See Note Preceding MRC CBBL)

FEAT G SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL*

APP Key	MRC	Mode Code	Requirements
	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications, reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

ALL*

	SPCL	G	SPECIAL TEST FEATURES

APP Key	MRC	Mode Code	Requirements

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL*

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
B	NATIONAL STD/SPEC
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION

APP Key	MRC	Mode Code	Requirements
		P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NON DEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NON DEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NON IDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL*

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

ALL*

ZZZX G DEPARTURE FROM CITED DESIGNATOR

Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.

APP Key	MRC	Mode Code	Requirements
	Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)		
ALL*			
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
	Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.		
	Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)		
ALL*			
	CRTL	A	CRITICALITY CODE JUSTIFICATION
	Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.		
	Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)		
	Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.		
NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.			
ALL* (See Note Above)			
	PRPY	A	PROPRIETARY CHARACTERISTICS
	Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.		

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

NOTE FOR MRC ENAC: ANSWERING THIS MRC WILL GENERATE AN ENAC CODE IN THE ITEM IDENTIFICATION SEGMENT (A) OF THE NSN.

ALL* (See Note Above)

ENAC D ENVIRONMENTAL ATTRIBUTE CODE

Definition: INDICATES THE TYPE OF PRODUCT THAT MEETS OR EXCEEDS THE GOVERNMENT GUIDELINES FOR ENVIRONMENTALLY PREFERRED CHARACTERISTICS.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ENACDG4*)

REPLY CODE	REPLY (EN02)
G4	COMPREHENSIVE PROCUREMENT GUIDELINE - VEHICULAR PRODUCTS - REBUILT VEHICULAR PARTS

ALL*

ELRN G EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code unless there is more than one extra long reference number on the NSN, (e.g., ELRNGANN112036BIL060557LEN313605UZ62365*).

If there is more than one extra long reference number on the NSN, include the CAGE or NCAGE and separate each reference by using the “&” character, (e.g., 28480 ANN112036BIL060557LEN313605UZ62365 & S1234 NN112036BIL060557LEN313605UZ62365).

APP Key	MRC	Mode Code	Requirements
	In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.		
ALL*			
	ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION III

APP Key	MRC	Mode Code	Requirements
ALL			
	BBRJ	D	SPECIAL HANDLING FEATURE

Definition: THE UNUSUAL OR UNIQUE CHARACTERISTIC(S) OR QUALITY(IES) OF AN ITEM WHICH NECESSITATES THE ESTABLISHMENT OF A REQUIREMENT FOR SPECIAL HANDLING.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BBRJDAK*; BBRJDAE$$DAK*)

REPLY CODE	REPLY (AM83)
AB	CORROSIVE
AE	FRAGILE
AL	HUMIDITY CONTROLLED
AK	MAGNETIC
AM	SHOCK PROTECTED

APP Key	MRC	Mode Code	Requirements

ALL

AFJN D FRAGILITY FACTOR

Definition: THE MEASURE OF SENSITIVITY OF THE ITEM TO BE PACKAGED; A FACTOR USED BY PACKAGING ENGINEERS IN DEVISING PROPER CUSHIONING IN A PACKAGE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFJNDE*)

REPLY CODE	REPLY (AD40)
D	DELICATE
B	EXTREMELY FRAGILE
E	MODERATELY DELICATE
F	MODERATELY RUGGED
G	RUGGED
C	VERY DELICATE

ALL

BHMT J MAGNETIC FORCE

Definition: THE MAGNETIC FORCE MEASURED AT A SPECIFIED DISTANCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BHMTJADKAD2.5*; BHMTJADKAD2.5$$JADKAE1.5*)

Table 1

REPLY CODE	REPLY (AK09)
ADK	GAUSS
AGJ	MILLIGAUSS

Table 2

REPLY CODE	REPLY (AK70)
AD	AT 7 FEET
AE	AT 15 FEET

NOTE FOR MRC RADD: IF A REPLY CODE WAS ENTERED FOR MRC RADC IN SECTION I, REPLY MUST BE ENTERED FOR MRC RADD.

APP Key	MRC	Mode Code	Requirements
ALL (See Note Above)			
	RADD	J	RADIONUCLIDES DATA

Definition: THE NAME AND AMOUNT OF THE RADIONUCLIDE.

Reply Instructions: Enter the applicable Reply Codes from the table below and Appendix A , Table 10, followed by the numeric value.Where radioactivity varies from one sample to another, enter the maximum value. (e.g., RADDJJFAACD10.000*)

REPLY CODE	REPLY (AG67)
JF	CURIES
JH	MICROCURIES
JG	MILLICURIES

ALL

AFJQ	J	STORAGE TEMP RANGE

Definition: THE MINIMUM AND MAXIMUM TEMPERATURES AT WHICH AN ITEM CAN BE STORED WITHOUT DETRIMENTAL EFFECT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values.Precede negative values with the letter M, and positive values with the letter P. (e.g., AFJQJFM32.0/P50.0*)

REPLY CODE	REPLY (AB36)
C	DEG CELSIUS
F	DEG FAHRENHEIT

ALL

ADZC	D	ENVIRONMENTAL PROTECTION

Definition: THE ENVIRONMENTAL ELEMENTS OR CONDITIONS THAT AN ITEM IS DESIGNED OR PROTECTED TO RESIST OR WITHSTAND SATISFACTORILY.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 8. (e.g., ADZCDBV*; ADZCDBV$$DGT*)

ALL

APP Key	MRC	Mode Code	Requirements
	BBRG	D	STORAGE TYPE

Definition: INDICATES THE TYPE OF STORAGE SPACE REQUIRED FOR AN ITEM IN ORDER TO PROVIDE THE DEGREE OF PROTECTION NECESSARY TO MAINTAIN SERVICEABILITY STANDARDS.

Enter the applicable Reply Code from the table below. (e.g., BBRGDAC*; BBRGDAD$$DAN*)

REPLY CODE	REPLY (AM81)
AC	CLOSED SHED
AD	CONTROLLED HUMIDITY WAREHOUSE
AM	DEHUMIDIFIED WAREHOUSE
AE	GENERAL PURPOSE WAREHOUSE
AN	HEATED WAREHOUSE
AH	OPEN SHED
AJ	UNHEATED WAREHOUSE

ALL

PRMT	D	PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000*; PRMTDAUA000$$DAGA000*; PRMTDAGA000$DAUA000*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

PMWT	J	PRECIOUS MATERIAL AND WEIGHT

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value.Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTA000R0.780*; PMWTJAUA000F0.500$$JAGA000R0.780*)

Table 1

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

Table 2

REPLY CODE	REPLY (AG14)
E	GRAINS, TROY
R	GRAMS
F	OUNCES, TROY

ALL

PMLC J PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJAUA000TERMINALS*; PMLCJAUA000TERMINALS$$JAGA000INTERNAL SURFACES*; PMLCJAGA000TERMINALS$JAUA000INTERNAL SURFACES*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

APP Key	MRC	Mode Code	Requirements

ALL

AGAV G END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the applicable reply in clear text.

(e.g., AGAVG3930-00-000-0000*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

NOTE FOR MRC CKRL: THIS MRC INCLUDES DATA OTHER THAN THAT PROVIDED BY DOCUMENT AVAILABILITY CODES (DAC). REFERENCE FLIS PROCEDURE MANUAL, DoD 4100.39-M, VOLUME 10, CHAPTER 4, TABLE 5.

ALL (See Note Above)

CKRL G DOCUMENT CONTROLLING AGENCY AND IDENTIFYING NUMBER

Definition: THE NAME OF THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DOCUMENT AND THE DOCUMENT NUMBER(S).

Reply Instructions: Enter the name of the government/civil agency, followed by the document number.

(e.g., CKRLGANO5-15-62*)

For items with multiple documentary data, use a semicolon to separate the replies.

(e.g., CKRLGANO5-15-62; AFT05A8-5*)

ALL

AFJK J CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJF1.000*; AFJKJC6.0*)

REPLY CODE	REPLY (AD42)
C	CUBIC CENTIMETERS
D	CUBIC DECIMETERS
F	CUBIC FEET
B	CUBIC INCHES
E	CUBIC METERS

ALL

SUPP G SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM, NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)

ALL

FCLS A FUNCTIONAL CLASSIFICATION

Definition: THE ALPHA-NUMERIC DESIGNATION THAT IDENTIFIES THE CLASSIFICATION OF THE ITEM ACCORDING TO THE CATEGORY OF FUNCTIONS PERFORMED.

Reply Instructions: Enter the reply from the applicable document.

(e.g., FCLSAHH-1.5*)

ALL

FTLD G FUNCTIONAL DESCRIPTION

Definition: DESCRIBES THE CAPABILITIES, INTENDED USE, AND/OR PURPOSE FOR WHICH THE ITEM IS PROVIDED.

Reply Instructions: Enter description of function as concisely as possible. (e.g., FTLDGUSED TO INSTALL/REMOVE ENGINE NACELLE*)

APP Key	MRC	Mode Code	Requirements
ALL			
	TMDN	A	TYPE/MODEL DESIGNATION

Definition: THE ALPHA-NUMERIC-ALPHA DESIGNATION USED TO IDENTIFY THE TYPE AND/OR MODEL OF THE BASIC ITEM.

Reply Instructions: Enter the appropriate designation data.

(e.g., TMDNAMSV-615/M*)

ALL

RTSE G RELATIONSHIP TO SIMILAR EQUIPMENT

Definition: INDICATES THE RELATIONSHIP, SUCH AS CONSTRUCTION, CAPABILITIES, AND THE LIKE, OF THE ITEM TO A SIMILAR ITEM.

Reply Instructions: Enter concise statement for similar item including name and identifying data.

(e.g., RTSEGSIMILAR TO LOCKHEED OVERWING ENGINE HOIST P/N 61521-58*)

ALL

RDAL G REFERENCE DATA AND LITERATURE

Definition: LITERATURE AND REFERENCES AVAILABLE FOR INFORMATION PERTAINING TO THE ITEM.

Reply Instructions: Enter data appropriate and in a concise manner to identify informational references covering the item.

(e.g., RDALGNAAVAIROIA/VFK58 A-2.2.9*)

ALL

NTRD A ENTRY DATE

Definition: INDICATES THE DATE THE ITEM WAS ENTERED INTO MIL-HDBK-300.

Reply Instructions: Enter the date structured in three hyphenated 2 position segments to indicate the last 2 digits of the calendar year, month, and day.

APP Key	MRC	Mode Code	Requirements
	(e.g., NTRDA80-05-28*)		
ALL			
	ZZZP	J	PURCHASE DESCRIPTION IDENTIFICATION
	Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.		
	Reply Instructions: Enter the 5-digit Commercial and Government Entity code, followed by a dash and the identifying number of the document.		
	(e.g., ZZZPJ81337-30624A*)		
ALL			
	ZZZV	G	FSC APPLICATION DATA
	Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.		
	Reply Instructions: Enter the name of the next higher classifiable assembly in clear text.		
	(e.g., ZZZVGRADIO SET AN/ARC-21*)		
ALL			
	CXCY	G	PART NAME ASSIGNED BY CONTROLLING AGENCY
	Definition: THE NAME ASSIGNED TO THE ITEM BY THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION CONTROLLING THE DESIGN OF THE ITEM.		
	Reply Instructions: Enter the reply in clear text. (e.g., CXCYGLINE PROCESSOR CONTROL BOARD*)		

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Table 1 - TERMINAL TYPES

TERMINAL TYPES

REPLY CODE	REPLY (AA58)
AAAR	BINDING POST
AADD	COAXIAL PLUG
AAAP	COAXIAL RECEPTACLE
AAAZ	CONNECTOR PLUG
AABD	CONNECTOR, RECEPTACLE
AADR	JACK
AADC	OCTAL PLUG-IN
AAAB	PIN
AADE	QUICK DISCONNECT, FEMALE
AADF	QUICK DISCONNECT, MALE
AACH	SCREW
AAAF	SOLDER STUD
AAAE	TAB SOLDER LUG
AAAM	TAB W/SCREW
AAAD	THREADED STUD
AAAC	TURRET
AAAJ	WIRE HOOK
AACY	WIRE LEAD
AAAK	WIRE LOOP

Table 2 - INTELLIGENCE TYPES

INTELLIGENCE TYPES

REPLY CODE	REPLY (AJ41)
APM	ABSOLUTE HEIGHT LIMIT
AAX	ACCELERATION
ALR	ADDRESS SELECTOR
ALS	AILERON
AAZ	AIR DATA
ABA	AIR DENSITY
ABB	AIR DENSITY TIMES SPEED OF SOUND
ABC	AIR MILEAGE
ABD	AIR PRESSURE (static) (dynamic)
AAB	AIR TEMPERATURE
	Aircraft Altitude (use Reply CODEABH)
ABE	AIRCRAFT DRIFT
ABF	AIRSPEED
ABG	ALTITUDE
ABK	ALTITUDE CORRECTION
ABH	ALTITUDE DATA
ABL	ALTITUDE DIFFERENTIAL COINCIDENCE
ABM	ALTITUDE DIFFERENTIAL CORRECTION
APN	AMPLIFIER RESET/FAULT DETECTED
ABN	ANGLE OF ATTACK
ABP	ANTENNA AZIMUTH
ABQ	ANTENNA ELEVATION
ABR	ASTRO TRACKER
ALT	AUDIO/SOUND
ABS	AUTOMATIC PILOT STEERING
ABT	AZIMUTH
ABW	AZIMUTH ANGLE
ABX	AZIMUTH DATA
ALW	BANK TRIM
	Bar CODE(use Reply CODEACS)
ALX	BAROMETRIC
ABY	BATHYTHERMOGRAPH DATA
ABZ	BEARING DISTANCE HEADING
ACA	BEARING RELATIVE
ALY	BOMB NAVIGATION
ALZ	BOMB RELEASE DATA
AMA	BORESIGHT
AMB	BUZZER
ACB	CENTER OF GRAVITY
AMC	CHANNEL SELECTION
ACC	CLASSIFIED
AMD	CLIMB
ACD	COMPASS HEADING
ACE	CONTINUOUS UPDATE OF COURSE

REPLY CODE	REPLY (AJ41)
AME	CONTRAST
ACF	CONTROL
	Controls Application of Power to Other Components in a System (use Reply CODEANK)
ACG	COURSE
ACH	COURSE RANGING
ACJ	COURSE TIMING REFERENCE
ACL	CROSS TRACK DISTANCE
ACK	CROSS TRACK SPEED ELEVATION (cross track ground speed elevation)
AQH	CYCLIC TRIM
ACN	DEPRESSION SYSTEM DATA
ACM	DEPTH
AMF	DESIRED TRACK ANGLE
ACP	DESTINATION LATITUDE
ACQ	DESTINATION LONGITUDE
APP	DIAPHRAGM OPENING
ACR	DIFFERENTIAL PRESSURE
AQP	DIGITAL
ACS	DIGITIZER (electrical code)
ACT	DISPLACEMENT ANALOG DATA
ACW	DISTANCE TO DESTINATION
ACX	DISTANCE TO GO
ACY	DOPPLER
ACZ	DOPPLER RADAR
ADA	DRIFT ANGLE
AMG	DROP INTERVAL
ADB	DYNAMIC PRESSURE
ADC	EAST
ADD	EAST DISTANCE
ADE	EAST-WEST
ADF	EAST-WEST AIRSPEED
ADG	EAST-WEST GROUND SPEED
APQ	ELECTRICAL CURRENT
AMH	ELECTRICAL FREQUENCY
ADH	ELEVATION
ADJ	ELEVATION ANGLE
AMJ	ELEVATOR
APR	EMERGENCY ENTRY MODE
ADK	ERROR
ADL	EXCESSIVE ERROR AND/OR POWER FAILURE MONITORING
AQJ	FEED BACK
ADM	FINE RANGING
ADN	FINE TIMING RECEIVED
ADP	FIRING DATA
ADQ	FIXPOINT ELEVATION RANGE DATA
AMK	FLAT TURN
AML	FLIGHT

REPLY CODE	REPLY (AJ41)
ADR	FLIGHT COMMAND INFORMATION
AMM	FLIGHT CONTROLLER
ADS	FORWARD
APS	FRAME COUNTER
APT	FREQUENCY SWITCHOVER
ADT	FUEL SENSOR
AMN	GLIDE
ADW	GROUND SPEED
ADX	GROUND TRACK
ADY	GROUND TRACK ANGLE
ADZ	GYROSCOPE-ALTITUDE DATA
AMP	HEADING
AEB	HEADING CORRECTION
AEA	HEADING-DRIFT VELOCITIES
AEC	HEADING ERROR
AMQ	HEADING TRIM
APW	HEATER ON
AED	HORIZONTAL
AMR	HORN
AEE	HUMIDITY
AEF	INFRARED LOG SIGNAL STRENGTH
AMS	INTERVAL (also see bomb release data)
AMT	INTRODUCTION TEST VOLTAGE
AEG	JUMP ANGLE OF MISSILE
AEH	JUMP ANGLE OF ROCKET
AMW	LATERAL TRIM
AEJ	LATITUDE
AMX	LATITUDE-LONGITUDE
AEK	LAUNCH
AMY	LEVEL TEST CONTROL
AEL	LOCK-ON INDICATION
APX	LOG PERIODIC ANTENNA
AEM	LONGITUDE
AEN	LORAN
APY	LOW OIL PRESSURE
AEP	MACH NUMBER (a quantity representing the speed of sound at a specified altitude)
AEQ	MAGNETIC COMPASS
AET	MAGNETIC HEADING
AER	MAGNETIC VARIATION
AES	MAGNETIC VARIATION OF PRESENT POSITION (also see magnetic variation)
AMZ	MAIN CONTROL
AEW	MANUAL ADJUSTMENT OF PITCH ALTITUDE REFERENCE TRIM
ANA	MANUAL OVERRIDE OF MALFUNCTION
APJ	MANUAL SELECTION OF HEADING SYSTEM MODE
AEY	MANUAL SELECTION OF HEMISPHERE-LATITUDE OF OPERATION
APK	MANUAL SELECTION OF PRIMARY OR STANDBY MODE
AFA	MAPS COORDINATES VOLTAGE

REPLY CODE	REPLY (AJ41)
AQA	MISSILE SITE STATUS
AQB	MISSILE STATUS
ANB	MODE SELECTOR
ANC	MONITOR VOLTAGE-CURRENT
AND	MULTIPLIER
AFB	NAVAN (navigation-velocity)
ANE	NAVIGATIONAL RADAR
AFD	NORTH
AFE	NORTH DISTANCE
AFF	NORTH-SOUTH
AFG	NORTH-SOUTH AIRSPEEDS
AFH	NORTH-SOUTH GROUND SPEED
AFJ	NOSE/TAIL INPUT
AFK	OBSERVER INPUT
AFL	OFF TARGET
AFM	ON TARGET
AFN	OWN SHIP COURSE
AFP	OWN SHIP DISTANCE
AFQ	OWN SHIP DISTANCE W/RESPECT TO NORTH AND EAST
AFR	OWN SHIP SPEED
AFS	OWN SHIP SPEED EAST
AFT	OWN SHIP SPEED NORTH
AFW	PEN CONTROL VOLTAGE
AFY	PITCH ANGLE
ANF	PITCH CONTROL
AFX	PITCH-ROLL SIGNAL DATA
ANG	PITCH TRIM
AFZ	PLATFORM DRIVE SIGNALS
ANH	POINTER
ANJ	POSITION
APZ	POWER OUTPUT
ANK	POWER SOURCE
AGA	PRESENT POSITION
AGB	PRESENT POSITION LATITUDE-LONGITUDE
AAF	PRESSURE
AGC	PRESSURE ALTITUDE
ANL	QUANTITY
AQC	RADAR MANAGEMENT DATA
AGD	RADAR POSITION DATA
AGE	RADAR RANGE
AGF	RADAR TRIGGER DATA
AGG	RADAR VIDEO DATA
AGH	RANGE
AGJ	RANGE DATA
AGK	RANGE RATE
AGL	RANGE VOLTAGE
ANM	RATE

REPLY CODE	REPLY (AJ41)
AQK	RECEIVER TEST
AQD	RECEIVER TUNE
AGM	RELATIVE BEARING
AGN	RELATIVE COURSE ANGLE
AGP	RELATIVE GROUND TRACK
AGQ	RELEASE
ANN	REMOTE CONTROL
AQE	REPORT FAULT
ANP	ROLL TRIM
ANQ	RUDDER
ANR	SELECTOR
AGR	SERVO AMPLIFIER
ANS	SERVO ENGAGE
AGS	SERVO LOOP
AGT	SEXTANT
AGW	SHIP COURSE
AGX	SHIP DISTANCE
AQF	SHUTTER SPEED
ANT	SIGNAL
ANW	SIREN
AGY	SLANT RANGE TO RANGE
AGZ	SPEED
ANX	SQUELCH LEVEL
AHA	STABILIZATION DATA
AHB	STAGNATION TEMP
AHC	STATIC PRESSURE
AHD	STEERING DATA TO DESTINATION
ANY	STORES RELEASE DATA
AHE	SWEEP
ANZ	SYNCHRO
AHF	SYNCHRO MOTOR
AHG	TACAN
AHH	TACHOMETER AMPLIFIER
APA	TARGET AIRCRAFT VOLTAGE
AHJ	TARGET ALTITUDE
AHL	TARGET AZIMUTH
AHM	TARGET BEARING
AHN	TARGET COURSE
AHP	TARGET DEPTH
AHQ	TARGET DISTANCE
AHR	TARGET ECHO
AHS	TARGET ELEVATION
AHT	TARGET ELEVATION ANGLE
AHW	TARGET HEIGHT
AHX	TARGET POSITION
AHY	TARGET RANGE
AHZ	TARGET RATE

REPLY CODE	REPLY (AJ41)
AJA	TARGET SPEED
AAL	TEMPERATURE
AJB	TIME
AJC	TIME BASE TRIGGER PULSE
AJD	TIME/HOURS
AJE	TIME/MINUTES
APB	TOGGLE
AJF	TORQUING SIGNAL EARTH RATE CORRECTION
AJG	TORQUING SIGNAL TRANSPORT
AJH	TOTAL MILES COUNTER
AJJ	TOTAL PRESSURE
AJK	TRACK EAST
AJL	TRACK ERROR DATA
AJM	TRACK NORTH
AJN	TRAIL (path)
AJP	TRIGGER AND GATE VOLTAGES
AJQ	TRIGGER PULSE
APC	TRIM TAB
AJR	TRUE AIR SPEED
AJS	TRUE ALTITUDE
AJT	TRUE ANGLE OF ATTACK
AJW	TRUE HEADING
APD	TURN-BANK
APE	TURN CONTROL
AJX	VARIATION
AJY	VELOCITY
AJZ	VELOCITY SIGNAL TIMES AXIS
AKA	VELOCITY SIGNAL Y AXIS
AKB	VERTICAL ACCELERATION SIGNAL
AQG	VIDEO GAIN
AKC	VIDEO RETURN FROM 0 TO 20000 YARDS
APF	VOICE AMPLIFICATION
APG	VOLUME (earphone, microphone, speaker)
AKD	WARNING
AKE	WEIGHT
AAM	WIND DIRECTION
AKF	WIND FORCE
AAN	WIND SPEED
AKG	WIND VELOCITY
APH	YAW TRIM

Table 3 - INDICATION METHODS

INDICATION METHODS

REPLY CODE	REPLY (AJ12)
AFE	AUDIO TONE

REPLY CODE	REPLY (AJ12)
ADN	BELL
ADS	CATHODE RAY TUBE
ALK	CONCENTRIC SCALE
AEM	COUNTER
ABK	DIAL (values expressed in numbers)
ALE	DISK CHART
ALL	DISK SCALE
ALM	ECCENTRIC SCALE
ALG	ELECTRICAL DIGITAL DISPLAY
ALN	HORIZONTAL SCALE
ALH	INCLINOMETER (glass tube and ball)
ACE	LIGHT
AER	METER MOVEMENT
ALJ	POINTER
ALF	STRIP CHART
AFQ	STROBOSCOPE
AEW	SYNCHRO MOTOR
ALQ	SYNCHRONOUS CLOCK
ALP	THERMOMETER SCALE
AHC	VERTICAL SCALE
AJZ	VIBRATING REED

Table 4 - NON DEFINITIVE SPEC/STD DATA

NON DEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN

REPLY CODE	REPLY (AD08)
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
BA	IMAGE COLOR
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
AA	MARKER
ML	MATERIAL
BB	MAXIMUM DENSITY
MH	MESH
ME	METHOD
BC	MINIMUM DENSITY
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE

REPLY CODE	REPLY (AD08)
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 5 - MATERIALS

MATERIALS

REPLY CODE	REPLY (AD09)
ALC000	ALUMINUM
AL0000	ALUMINUM ALLOY
AL0370	ALUMINUM ALLOY, QQ-A-250/8, ALLOY 5052, H32
AL0142	ALUMINUM ALLOY, QQ-A-250/11
AL0387	ALUMINUM ALLOY, QQ-A-250/11, ALLOY 6061, T6
ALF000	ALUMINUM, CAST
BC0000	BERYLLIUM COPPER
BR0000	BRASS
BN0000	BRONZE
CD0000	CADMIUM
CU0000	COPPER
CK0000	COPPER ALLOY
FG0000	FIBERGLASS
GS0000	GLASS
FE0000	IRON
MG0000	MAGNESIUM
MGA000	MAGNESIUM ALLOY
ME0000	METAL
NC0000	NICKEL COPPER ALLOY (monel)
NLA000	NONFERROUS ALLOY

REPLY CODE	REPLY (AD09)
PC0000	PLASTIC
PCB000	PLASTIC, ACETAL
PCAA00	PLASTIC, POLYCARBONATE
PCAG00	PLASTIC, POLYSTYRENE
RC0000	RUBBER
AGD000	SILVER ALLOY
AG0000	SILVER (includes coin silver)
ST0000	STEEL
STD000	STEEL, STAINLESS
TU0000	TELLURIUM COPPER
WD0000	WOOD
ZN0000	ZINC
ZNL000	ZINC ALLOY

Table 6 - SURFACE TREATMENTS

SURFACE TREATMENTS

REPLY CODE	REPLY (AD09)
AN0000	ANODIZED
ANA000	ANODIZED BLACK
AN0005	ANODIZED, MIL-A-8625, TYPE 1, CLASS 1
AN0006	ANODIZED, MIL-A-8625, TYPE 1, CLASS 2
AN0007	ANODIZED, MIL-A-8625, TYPE 2, CLASS 1
AN0008	ANODIZED, MIL-A-8625, TYPE 2, CLASS 2
AN0009	ANODIZED, MIL-A-8625, TYPE 3, CLASS 1
AN0010	ANODIZED, MIL-A-8625, TYPE 3, CLASS 2
BBN000	BLACK, WRINKLE FINISH
CD0000	CADMIUM
CD0004	CADMIUM, QQ-P-416, TYPE 1, CLASS 1
CD0005	CADMIUM, QQ-P-416, TYPE 1, CLASS 2
CD0006	CADMIUM, QQ-P-416, TYPE 1, CLASS 3
CD0007	CADMIUM, QQ-P-416, TYPE 2, CLASS 1
CD0008	CADMIUM, QQ-P-416, TYPE 2, CLASS 2
CD0009	CADMIUM, QQ-P-416, TYPE 2, CLASS 3
CD0010	CADMIUM, QQ-P-416, TYPE 3, CLASS 1
CD0011	CADMIUM, QQ-P-416, TYPE 3, CLASS 2
CD0012	CADMIUM, QQ-P-416, TYPE 3, CLASS 3
CL0015	CHEMICAL FILM, MIL-F-14072, FINISH E513
CNE000	CHROMATE COATED
CN0000	CHROMATE (Iridite) (Cronak)
CN0004	CHROMATE, MIL-C-5441, CLASS 3
CH0000	CHROME
DC0000	DICHROMATE
EN0000	ENAMEL
ENB000	ENAMEL, ALUMINUM BAKED-ON OVER ZINC COATING
ENF000	ENAMEL, BLACK
ENR000	ENAMEL, BLACK, CRACKLE FINISH

REPLY CODE	REPLY (AD09)
ENS000	ENAMEL, BLACK, WRINKLE FINISH
ENH000	ENAMEL, GRAY
ENJ000	ENAMEL, GREEN
EN0038	ENAMEL, MIL-E-15090, CLASS 2
EN0001	ENAMEL, MIL-E-15090, TYPE 2, CLASS 2
EN0011	ENAMEL, MIL-E-15090, TYPE 3, CLASS 2
ENW000	ENAMEL, OLIVE DRAB
ECB000	ETCH, ALKALI
BBL000	FLAT BLACK
GB0001	GALVANIZED, ASTM A153
GBD000	GALVANIZED, HOT DIP
RR0000	IRIDIUM
LQ0000	LACQUER
LQL000	LACQUER, GRAY
NFG000	NICKEL PLATED
PNG000	PAINT
PNA000	PAINT, ALUMINUM
PNH000	PAINT, OLIVE DRAB
PN0000	PAINTED
PNE000	PAINTED, CRACKLED FINISH
PNM000	PAINTED, WRINKLE
PH0000	PHOSPHATE (Bonderized)
PCM000	PLASTIC, MELAMINE
PCAAAX	PLASTIC, VINYL
CZ0000	POTASSIUM SILICATE
RHA000	RHODIUM PLATED
RCA000	RUBBER COATED
AGE000	SILVER PLATED
SNF000	TIN PLATED
SN0002	TIN PLATED, MIL-T-10727, TYPE 1
VAB000	VARNISH
ZN0000	ZINC
ZNA000	ZINC CHROMATE
ZNN000	ZINC PLATED
ZNAR00	ZINC PLATED W/PHOSPHATE

Table 7 - TERMINAL LOCATIONS

TERMINAL LOCATIONS

REPLY CODE	REPLY (AJ91)
AAZ	BACK
ART	BACK CORNER
AAX	BASE
ADC	BOTH SIDES
ABA	BOTTOM
AHP	CENTER
AGW	COVER

REPLY CODE	REPLY (AJ91)
ABB	END
ABC	FRONT
ARW	FRONT CORNER
ABT	FRONT END
ADD	ONE SIDE
ABD	TOP

Table 8 - ENVIRONMENTAL PROTECTIONS

ENVIRONMENTAL PROTECTIONS

REPLY CODE	REPLY (AA65)
AX	COOLANT
GK	CORROSION RESISTANT
CR	DRIP PROOF
BV	DUST PROOF
BW	EXPLOSION PROOF
AJ	MILDEW RESISTANT
GT	MOISTURE RESISTANT
DD	NONCORROSIVE
DK	SHOCK
CK	SUBMERSIBLE
JN	TROPICALIZED
BQ	VAPOR
CL	VAPORTIGHT
DP	WATER
AP	WATER, SALT
BX	WATERTIGHT
CQ	WATERTIGHT AND BODY SEALED
BT	WEATHER RESISTANT
AR	WEATHERPROOF
AR	WEATHERPROOF

Table 9 - MOUNTING METHODS

MOUNTING METHODS

REPLY CODE	REPLY (AM39)
BMT	ADAPTER PLATE
ABB	BASE
BKD	BEAM VIBRATION
AFF	BEZEL RING
ABC	BRACKET
BJY	BULKHEAD
ANR	CABINET
AFH	CASTER
ABH	CLAMP
AFN	CONDUIT

REPLY CODE	REPLY (AM39)
BMW	CONSOLE
BKE	CUP VIBRATION
BJZ	DECK
ACR	FLANGE
ARY	FLUSH PANEL
AGG	HOOK
BKF	ISOLATOR VIBRATION
BHR	LATCH
AED	PANEL
ASL	PEDESTAL
AEE	PLATE
BKA	PLATFORM
ABP	PLUG-IN
BEA	PORTABLE
BMX	QUICK DISCONNECT FASTENERS
ABR	RACK
BKB	RESILIENT
ALG	SHELF
APH	SHOCK
BJX	SHOCK MOUNT BASE
AHZ	SLIDE
ABY	SLOT
BEB	STATIONARY (fixed)
AAE	STUD
AEG	SURFACE
BKC	SWITCHBOARD
AKF	TRIPOD
APP	TUBE SOCKET
ARE	UNIVERSAL
ATS	WALL

Table 10 - RADIONUCLIDES DATA

RADIONUCLIDES DATA

REPLY CODE	REPLY (AN55)	RADIONUCLIDES
AAAJ	ARGON (18)	AR-37
AAAK	ARGON (18)	AR-41
AAAL	ARGON (18)	AR-41, UNCOMPRESSED
AAAY	BERYLLIUM (4)	BE-7
AABS	CESIUM (55)	CS-131
AABW	CESIUM (55)	CS-134
AABT	CESIUM (55)	CS-134M
AABX	CESIUM (55)	CS-135
AABY	CESIUM (55)	CS-136
AABZ	CESIUM (55)	CS-137

REPLY CODE	REPLY (AN55)	RADIONUCLIDES
AACD	COBALT (27)	CO-56
AACE	COBALT (27)	CO-57
AACG	COBALT (27)	CO-58
AACF	COBALT (27)	CO-58M
AACH	COBALT (27)	CO-60
AAEQ	KRYPTON (36)	KR-85
AAER	KRYPTON (36)	KR-85, UNCOMPRESSED
AAEN	KRYPTON (36)	KR-85M
AAEP	KRYPTON (36)	KR-85M, UNCOMPRESSED
AAES	KRYPTON (36)	KR-87
AAET	KRYPTON (36)	KR-87, UNCOMPRESSED
AAHF	RADIUM (88)	RA-223
AAHG	RADIUM (88)	RA-224
AAHH	RADIUM (88)	RA-226
AAHJ	RADIUM (88)	RA-228
AALP	TRITIUM (1)	H-3
AALQ	TRITIUM (1)	H-3 AS GAS, LUMINOUS PAINT, OR ADSORBED ON SOLID MATERIAL
AALR	TUNGSTEN (74)	W-181
AALS	TUNGSTEN (74)	W-185
AALT	TUNGSTEN (74)	W-187

Table 11 - THREAD DESIGNATORS

THREAD DESIGNATORS

REPLY CODE	REPLY (AH06)
SM	ISO M
SS	ISO S
NN	NONSTANDARD
NP	NPT
NT	NPTF
UN	UN
NC	UNC
NE	UNEF
NF	UNF
JC	UNJC
JF	UNJF
NM	UNM
NS	UNS

Table 12 - FEATURES PROVIDED

FEATURES PROVIDED

REPLY CODE	REPLY (AN47)
AAET	AILERON SWITCH
AAEW	ALL SPEAKER SWITCH
AAEX	ALTITUDE CONTROL SWITCH
ARZ	ALTITUDE CORRECTION ADJUSTMENT
AAEY	APPROACH CONTROL SWITCH
AAEZ	AUDIOMETER
AAFA	AUTO TRIM CONTROL SWITCH
ASD	AUTOMATIC CONTROL
AABD	AUTOMATIC SHUTOFF
AAFB	AUTOPILOT ENGAGE SWITCH
AAFC	AZIMUTH STABILIZATION OFF-ON SWITCH
AAFD	CONSTANT TONE SWITCH
AAFE	DAMPER CONTROL SWITCH
AAFF	DELAYED TRIGGER
AAFG	DUST COVER
BSZ	ELECTROSTATIC SENSITIVE
AAFH	ELEVATOR SWITCH
CBA	ERROR DELAY
AAFJ	GYRO CAGE-UNCAGE SWITCH
AAFK	INDIVIDUAL KEY ILLUMINATION
AAFL	INTERMIT-WARBLE SWITCH
AABE	INTERNAL ILLUMINATION
AAFM	LISTEN VOLUME CONTROL
AAFN	LOCALIZER CONTROL SWITCH
AAFP	LOUDSPEAKER
ASC	MANUAL CONTROL
AAFQ	MONITOR SPEAKER SWITCH
ADD	OUTPOST SWITCHBOARD SIGNALLING SWITCH UNIT
AAFS	POWER CONTROL SWITCH
AAFT	POWER LIGHT
AAFW	POWER ON-OFF SWITCH
ASE	R/T METERING SWITCH
AAFX	RECEIVER GAIN
ASA	REMOTE CONTROL
AAFY	RUDDER SWITCH
AAFZ	SEARCH SYSTEM
AAGA	SECTOR SCAN AMPLITUDE CONTROL
AAGB	SECTOR SCAN OFF-ON SWITCH
AABF	SELECTOR SWITCH
AAGC	SOFT ANTENNA SWITCHING
AAFR	SONOBOUY CHANNEL MONITOR
AAGD	SPEAKER SWITCH
AAGE	SWITCHING DISPLAY
AAGF	TALK VOLUME CONTROL
AABG	TIME CYCLE CONTROL
AABH	TIME PUNCH
AAGG	TOGGLE ACTUATOR
AAGH	TRANSFER CONTROL SWITCH

REPLY CODE	REPLY (AN47)
AAGJ	TRANSMIT LIGHT
AAGK	TUNING GAIN
AABJ	WARNING INDICATOR
AAGL	3-POSITION SWITCH (audio)

Table 13 - SENSING ELEMENT TYPES

SENSING ELEMENT TYPES

REPLY CODE	REPLY (AJ77)
ACD	ANEROID CELL
ABH	BIMETALLIC TEMP
ACH	BULB
ACP	CAPILLARY TUBE
ACE	DISSIMILAR CELL
ACK	GYROSCOPE
ACF	HAIR
ACW	INFRARED LIGHT
ACG	LINKED DIAPHRAGM
ACS	PHASE DISCRIMINATOR
ACU	SEMICONDUCTOR DEVICE
ABE	THERMISTOR
ACJ	THERMOCOUPLE
ACQ	THERMOMETER
ACR	THERMOSTATIC DISK
ACV	TRANSDUCER

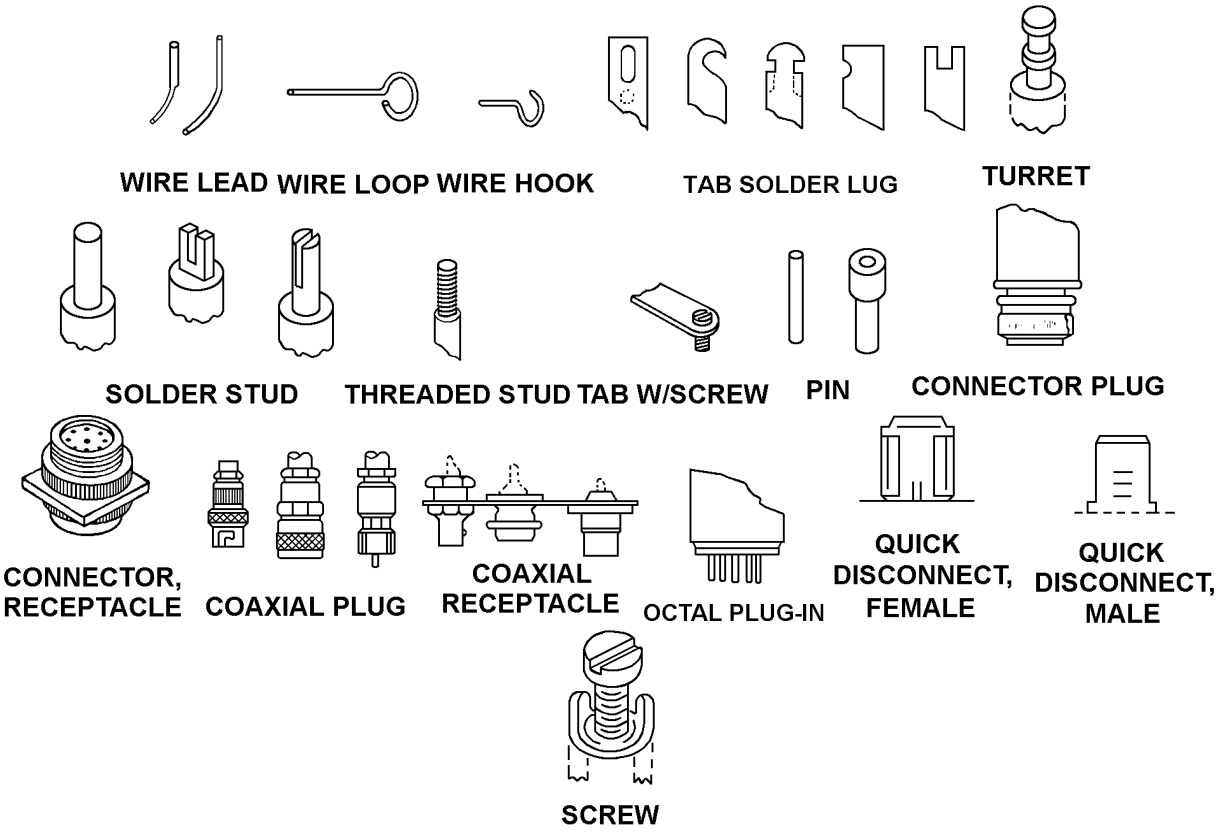
Reference Drawing Groups

REFERENCE DRAWING GROUP A 76

REFERENCE DRAWING GROUP A

TERMINAL TYPES

(No Requirements)



Technical Data Tables

STANDARD FRACTION TO DECIMAL CONVERSION CHART 78
OUNCE TO DECIMAL OF A POUND CONVERSION CHART 79
VACUUM UNITS CONVERSION CHART 79
THREAD SIZE/SERIES 80
ISO METRIC SCREW THREAD SIZE/THREAD PITCH * 90

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	------	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

OUNCE TO DECIMAL OF A POUND CONVERSION CHART

OUNCES	POUNDS
1	0.062
2	0.125
3	0.188
4	0.250
5	0.312
6	0.375
7	0.438
8	0.500
9	0.562
10	0.625
11	0.688
12	0.750
13	0.812
14	0.875
15	0.938
16	1.000

VACUUM UNITS CONVERSION CHART

Vacuum in Inches (Referred to 30 Inch Barometer)	Equivalent Torr Units	Vacuum In Inches (Absolute Pressure)	Equivalent Torr Units
10.0	508.0	5.0	127.0
15.0	381.0	4.5	114.3
20.0	254.0	4.0	101.6
25.0	127.0	3.5	88.9
26.0	101.6	3.0	76.2
27.0	76.2	2.5	63.5
28.0	50.8	2.0	50.8
28.5	38.1	1.5	38.1
29.0	25.4	1.0	25.4
29.5	12.7	0.5	12.7

Vacuum in Millimeters Mercury (Absolute Pressure)	Equivalent Torr Units	Vacuum In Microns (Absolute Pressure)	Equivalent Torr Units
10.0	10.0	20.0	0.02

Vacuum in Inches (Referred to 30 Inch Barometer)	Equivalent Torr Units	Vacuum In Inches (Absolute Pressure)	Equivalent Torr Units
5.0	5.0	15.0	0.015
1.0	1.0	10.0	0.01
0.5	0.5	5.0	5.0 milli
0.1	0.1	4.0	4.0 milli
10 -1	0.1	2.0	2.0 milli
10 -2	0.01	1.5	1.5 milli
10 -3	1.0 milli	1.0	1.0 milli
10 -4	0.1 milli	0.5	0.5 milli
10 -5	0.01 milli	0.4	0.4 milli
10 -6	1.0 micro	0.3	0.3 milli
10 -7	0.1 micro	0.2	0.2 milli
10 -8	0.01 micro	0.1	0.1 milli
10 -9	0.001 micro		

ABSOLUTE PRESSURE

1 INCH = 25.4 Torr
1 millimeter mercury = 1.0 Torr
101325 pascals = 760 Torr

THREAD SIZE/SERIES

Nominal Size and Threads Per Inch	Thread Series
0-80 OR .060-80	UNF
1-64 OR .073-64	UNC
1-72 OR .073-72	UNF
2-56 OR .086-56	UNC
2-64 OR .086-64	UNF
3-48 OR .099-48	UNC
3-56 OR .099-56	UNF
4-40 OR .112-40	UNC
4-48 OR .112-48	UNF
5-40 OR .125-40	UNC
5-44 OR .125-44	UNF
6-32 OR .138-32	UNC
6-40 OR .138-40	UNF
8-32 OR .164-32	UNC
8-36 OR .164-36	UNF
10-24 OR .190-24	UNC
10-28 OR .190-28	UNS
10-32 OR .190-32	UNF

10-36 OR .190-36	UNS
10-40 OR .190-40	UNS
10-48 OR .190-48	UNS
10-56 OR .190-56	UNS
12-24 OR .216-24	UNC
12-28 OR .216-28	UNF
12-32 OR .216-32	UNEF
12-36 OR .216-36	UNS
12-40 OR .216-40	UNS
12-48 OR .216-48	UNS
12-56 OR .216-56	UNS
1/4-20 OR .250-20	UNC
1/4-24 OR .250-24	UNS
1/4-27 OR .250-27	UNS
1/4-28 OR .250-28	UNF
1/4-32 OR .250-32	UNEF
1/4-36 OR .250-36	UNS
1/4-40 OR .250-40	UNS
1/4-48 OR .250-48	UNS
1/4-56 OR .250-56	UNS
5/16-18 OR .3125-18	UNC
5/16-20 OR .3125-20	UN
5/16-24 OR .3125-24	UNF
5/16-27 OR .3125-27	UNS
5/16-28 OR .3125-28	UN
5/16-32 OR .3125-32	UNEF
5/16-36 OR .3125-36	UNS
5/16-40 OR .3125-40	UNS
5/16-48 OR .3125-48	UNS
3/8-16 OR .375-16	UNC
3/8-18 OR .375-18	UNS
3/8-20 OR .375-20	UN
3/8-24 OR .375-24	UNF
3/8-27 OR .375-27	UNS
3/8-28 OR .375-28	UN
3/8-32 OR .375-32	UNEF
3/8-36 OR .375-36	UNS
3/8-40 OR .375-40	UNS
.390-27	UNS
7/16-14 OR .4375-14	UNC
7/16-16 OR .4375-16	UN
7/16-18 OR .4375-18	UNS
7/16-20 OR .4375-20	UNF
7/16-24 OR .4375-24	UNS
7/16-27 OR .4375-27	UNS
7/16-28 OR .4375-28	UNEF

7/16-32 OR .4375-32	UN
7/16-36 OR .4375-36	UNS
7/16-40 OR .4375-40	UNS
1/2-12 OR .500-12	UNS
1/2-13 OR .500-13	UNC
1/2-14 OR .500-14	UNS
1/2-16 OR .500-16	UN
1/2-18 OR .500-18	UNS
1/2-20 OR .500-20	UNF
1/2-24 OR .500-24	UNS
1/2-27 OR .500-27	UNS
1/2-28 OR .500-28	UNEF
1/2-32 OR .500-32	UN
1/2-36 OR .500-36	UNS
1/2-40 OR .500-40	UNS
9/16-12 OR .5625-12	UNC
9/16-14 OR .5625-14	UNS
9/16-16 OR .5625-16	UN
9/16-18 OR .5625-18	UNF
9/16-20 OR .5625-20	UN
9/16-24 OR .5625-24	UNEF
9/16-27 OR .5625-27	UNS
9/16-28 OR .5625-28	UN
9/16-32 OR .5625-32	UN
9/16-36 OR .5625-36	UNS
9/16-40 OR .5625-40	UNS
5/8-11 OR .625-11	UNC
5/8-12 OR .625-12	UN
5/8-14 OR .625-14	UNS
5/8-16 OR .625-16	UN
5/8-18 OR .625-18	UNF
5/8-24 OR .625-24	UNEF
5/8-27 OR .625-27	UNS
5/8-28 OR .625-28	UN
5/8-32 OR .625-32	UN
5/8-36 OR .625-36	UNS
11/16-12 OR .6875-12	UN
11/16-16 OR .6875-16	UN
11/16-20 OR .6875-20	UN
11/16-24 OR .6875-24	UNEF
11/16-28 OR .6875-28	UN
11/16-32 OR .6875-32	UN
3/4-10 OR .750-10	UNC
3/4-12 OR .750-12	UN
3/4-14 OR .750-14	UNS
3/4-16 OR .750-16	UNF

3/4-18 0R .750-18	UNS
3/4-20 OR .750-20	UNEF
3/4-24 OR .750-24	UNS
3/4-27 OR .750-27	UNS
3/4-28 OR .750-28	UN
3/4-32 OR .750-32	UN
3/4-36 OR .750-36	UNS
3/4-40 OR .750-40	UNS
13/16-12 OR .8125-12	UN
13/16-16 OR .8125-16	UN
13/16-20 OR .8125-20	UNEF
13/16-28 OR .8125-28	UN
13/16-32 OR .8125-32	UN
7/8-9 OR .875-9	UNC
7/8-10 OR .875-10	UNS
7/8-12 OR .875-12	UN
7/8-14 OR .875-14	UNF
7/8-16 OR .875-16	UN
7/8-18 OR .875-18	UNS
7/8-20 OR .875-20	UNEF
7/8-24 OR .875-24	UNS
7/8-27 OR .875-27	UNS
7/8-28 OR .875-28	UN
7/8-32 OR .875-32	UN
7/8-36 OR .875-36	UNS
7/8-40 OR .875-40	UNS
15/16-12 OR .9375-12	UN
15/16-16 OR .9375-16	UN
15/16-20 OR .9375-20	UNEF
15/16-28 OR .9375-28	UN
15/16-32 OR .9375-32	UN
1-8 OR 1.000-8	UNC
1-10 OR 1.000-10	UNS
1-12 OR 1.000-12	UNF
1-14 OR 1.000-14	UNS
1-16 OR 1.000-16	UN
1-18 OR 1.000-18	UNS
1-20 OR 1.000-20	UNEF
1-24 OR 1.000-24	UNS
1-27 OR 1.000-27	UNS
1-28 OR 1.000-28	UN
1-32 OR 1.000-32	UN
1-36 OR 1.000-36	UNS
1-40 OR 1.000-40	UNS
1 1/16-8 OR 1.0625-8	UN
1 1/16-12 OR 1.0625-12	UN

1 1/16-16 OR 1.0625-16	UN
1 1/16-18 OR 1.0625-18	UNEF
1 1/16-20 OR 1.0625-20	UN
1 1/16-28 OR 1.0625-28	UN
1 1/8-7 OR 1.125-7	UNC
1 1/8-8 OR 1.125-8	UN
1 1/8-10 OR 1.125-10	UNS
1 1/8-12 OR 1.125-12	UNF
1 1/8-14 OR 1.125-14	UNS
1 1/8-16 OR 1.125-16	UN
1 1/8-18 OR 1.125-18	UNEF
1 1/8-20 OR 1.125-20	UN
1 1/8-24 OR 1.125-24	UNS
1 1/8-28 OR 1.125-28	UN
1 3/16-8 OR 1.188-8	UN
1 3/16-12 OR 1.188-12	UN
1 3/16-16 OR 1.188-16	UN
1 3/16-18 OR 1.188-18	UNEF
1 3/16-20 OR 1.188-20	UN
1 3/16-28 OR 1.188-28	UN
1 1/4-7 OR 1.250-7	UNC
1 1/4-8 OR 1.250-8	UN
1 1/4-10 OR 1.250-10	UNS
1 1/4-12 OR 1.250-12	UNF
1 1/4-14 OR 1.250-14	UNS
1 1/4-16 OR 1.250-16	UN
1 1/4-18 OR 1.250-18	UNEF
1 1/4-20 OR 1.250-20	UN
1 1/4-24 OR 1.250-24	UNS
1 1/4-28 OR 1.250-28	UN
1 5/16-8 OR 1.312-8	UN
1 5/16-12 OR 1.312-12	UN
1 5/16-16 OR 1.312-16	UN
1 5/16-18 OR 1.312-18	UNEF
1 5/16-20 OR 1.312-20	UN
1 5/16-28 OR 1.312-28	UN
1 3/8-6 OR 1.375-6	UNC
1 3/8-8 OR 1.375-8	UN
1 3/8-10 OR 1.375-10	UNS
1 3/8-12 OR 1.375-12	UNF
1 3/8-14 OR 1.375-14	UNS
1 3/8-16 OR 1.375-16	UN
1 3/8-18 OR 1.375-18	UNEF
1 3/8-20 OR 1.375-20	UN
1 3/8-24 OR 1.375-24	UNS
1 3/8-28 OR 1.375-28	UN

1 7/16-6 OR 1.4375-6	UN
1 7/16-8 OR 1.438-8	UN
1 7/16-12 OR 1.438-12	UN
1 7/16-16 OR 1.438-16	UN
1 7/16-18 OR 1.438-18	UNEF
1 7/16-20 OR 1.438-20	UN
1 7/16-28 OR 1.438-28	UN
1 1/2-6 OR 1.500-6	UNC
1 1/2-8 OR 1.500-8	UN
1 1/2-10 OR 1.500-10	UNS
1 1/2-12 OR 1.500-12	UNF
1 1/2-14 OR 1.500-14	UNS
1 1/2-16 OR 1.500-16	UN
1 1/2-18 OR 1.500-18	UNEF
1 1/2-20 OR 1.500-20	UN
1 1/2-24 OR 1.500-24	UNS
1 1/2-28 OR 1.500-28	UN
1 9/16-6 OR 1.562-6	UN
1 9/16-8 OR 1.562-8	UN
1 9/16-12 OR 1.562-12	UN
1 9/16-16 OR 1.562-16	UN
1 9/16-18 OR 1.562-18	UNEF
1 9/16-20 OR 1.562-20	UN
1 5/8-6 OR 1.625-6	UN
1 5/8-8 OR 1.625-8	UN
1 5/8-10 OR 1.625-10	UNS
1 5/8-12 OR 1.625-12	UN
1 5/8-14 OR 1.625-14	UNS
1 5/8-16 OR 1.625-16	UN
1 5/8-18 OR 1.625-18	UNEF
1 5/8-20 OR 1.625-20	UN
1 5/8-24 OR 1.625-24	UNS
1 11/16-6 OR 1.688-6	UN
1 11/16-8 OR 1.688-8	UN
1 11/16-12 OR 1.688-12	UN
1 11/16-16 OR 1.688-16	UN
1 11/16-18 OR 1.688-18	UNEF
1 11/16-20 OR 1.688-20	UN
1 3/4-5 OR 1.750-5	UNC
1 3/4-6 OR 1.750-6	UN
1 3/4-8 OR 1.750-8	UN
1 3/4-10 OR 1.750-10	UNS
1 3/4-12 OR 1.750-12	UN
1 3/4-14 OR 1.750-14	UNS
1 3/4-16 OR 1.750-16	UN
1 3/4-20 OR 1.750-20	UN

1 13/16-6 OR 1.812-6	UN
1 13/16-8 OR 1.812-8	UN
1 13/16-12 OR 1.812-12	UN
1 13/16-16 OR 1.812-16	UN
1 13/16-20 OR 1.812-20	UN
1 7/8-6 OR 1.875-6	UN
1 7/8-8 OR 1.875-8	UN
1 7/8-10 OR 1.875-10	UNS
1 7/8-12 OR 1.875-12	UN
1 7/8-14 OR 1.875-14	UNS
1 7/8-16 OR 1.875-16	UN
1 7/8-18 OR 1.875-18	UNS
1 7/8-20 OR 1.875-20	UN
1 15/16-6 OR 1.938-6	UN
1 15/16-8 OR 1.938-8	UN
1 15/16-12 OR 1.938-12	UN
1 15/16-16 OR 1.938-16	UN
1 15/16-20 OR 1.938-20	UN
2-4 1/2 OR 2.000-4.5	UNC
2-6 OR 2.000-6	UN
2-8 OR 2.000-8	UN
2-10 OR 2.000-10	UN
2-12 OR 2.000-12	UN
2-14 OR 2.000-14	UNS
2-16 OR 2.000-16	UN
2-18 OR 2.000-18	UNS
2-20 OR 2.000-20	UN
2 1/16-16 OR 2.062-16	UNS
2 1/8-6 OR 2.125-6	UN
2 1/8-8 OR 2.125-8	UN
2 1/8-12 OR 2.125-12	UN
2 1/8-16 OR 2.125-16	UN
2 1/8-20 OR 2.125-20	UN
2 3/16-16 OR 2.188-16	UNS
2 1/4-4 1/2 OR 2.250-4.5	UNC
2 1/4-6 OR 2.250-6	UN
2 1/4-8 OR 2.250-8	UN
2 1/4-10 OR 2.250-10	UNS
2 1/4-12 OR 2.250-12	UN
2 1/4-14 OR 2.250-14	UN
2 1/4-16 OR 2.250-16	UN
2 1/4-18 OR 2.250-18	UNS
2 1/4-20 OR 2.250-20	UN
2 5/16-16 OR 2.312-16	UNS
2 3/8-6 OR 2.375-6	UN
2 3/8-8 OR 2.375-8	UN

2 3/8-12 OR 2.375-12	UN
2 3/8-16 OR 2.375-16	UN
2 3/8-20 OR 2.375-20	UN
2 7/16-16 OR 2.438-16	UNS
2 1/2-4 OR 2.500-4	UNC
2 1/2-6 OR 2.500-6	UN
2 1/2-8 OR 2.500-8	UN
2 1/2-10 OR 2.500-10	UNS
2 1/2-12 OR 2.500-12	UN
2 1/2-14 OR 2.500-14	UNS
2 1/2-16 OR 2.500-16	UN
2 1/2-18 OR 2.500-18	UNS
2 1/2-20 OR 2.500-20	UN
2 5/8-6 OR 2.625-6	UN
2 5/8-8 OR 2.625-8	UN
2 5/8-12 OR 2.625-12	UN
2 5/8-16 OR 2.625-16	UN
2 5/8-20 OR 2.625-20	UN
2 3/4-4 OR 2.750-4	UNC
2 3/4-6 OR 2.750-6	UN
2 3/4-8 OR 2.750-8	UN
2 3/4-10 OR 2.750-10	UNS
2 3/4-12 OR 2.750-12	UN
2 3/4-14 OR 2.750-14	UNS
2 3/4-16 OR 2.750-16	UN
2 3/4-18 OR 2.750-18	UNS
2 3/4-20 OR 2.750-20	UN
2 7/8-6 OR 2.875-6	UN
2 7/8-8 OR 2.875-8	UN
2 7/8-12 OR 2.875-12	UN
2 7/8-16 OR 2.875-16	UN
2 7/8-20 OR 2.875-20	UN
3-4 OR 3.000-4	UNC
3-6 OR 3.000-6	UN
3-8 OR 3.000-8	UN
3-10 OR 3.000-10	UNS
3-12 OR 3.000-12	UN
3-14 OR 3.000-14	UNS
3-16 OR 3.000-16	UN
3-18 OR 3.000-18	UNS
3-20 OR 3.000-20	UN
3 1/8-6 OR 3.125-6	UN
3 1/8-8 OR 3.125-8	UN
3 1/8-12 OR 3.125-12	UN
3 1/8-16 OR 3.125-16	UN
3 1/4-4 OR 3.250-4	UNC

3 1/4-6 OR 3.250-6	UN
3 1/4-8 OR 3.250-8	UN
3 1/4-10 OR 3.250-10	UNS
3 1/4-12 OR 3.250-12	UN
3 1/4-14 OR 3.250-14	UNS
3 1/4-16 OR 3.250-16	UN
3 1/4-18 OR 3.250-18	UNS
3 3/8-6 OR 3.375-6	UN
3 3/8-8 OR 3.375-8	UN
3 3/8-12 OR 3.375-12	UN
3 3/8-16 OR 3.375-16	UN
3 1/2-4 OR 3.500-4	UNC
3 1/2-6 OR 3.500-6	UN
3 1/2-8 OR 3.500-8	UN
3 1/2-10 OR 3.500-10	UNS
3 1/2-12 OR 3.500-12	UN
3 1/2-14 OR 3.500-14	UNS
3 1/2-16 OR 3.500-16	UN
3 1/2-18 OR 3.500-18	UNS
3 5/8-6 OR 3.625-6	UN
3 5/8-8 OR 3.625-8	UN
3 5/8-12 OR 3.625-12	UN
3 5/8-16 OR 3.625-16	UN
3 3/4-4 OR 3.750-4	UNC
3 3/4-6 OR 3.750-6	UN
3 3/4-8 OR 3.750-8	UN
3 3/4-10 OR 3.750-10	UNS
3 3/4-12 OR 3.750-12	UN
3 3/4-14 OR 3.750-14	UNS
3 3/4-16 OR 3.750-16	UN
3 3/4-18 OR 3.750-18	UNS
3 7/8-6 OR 3.875-6	UN
3 7/8-8 OR 3.875-8	UN
3 7/8-12 OR 3.875-12	UN
3 7/8-16 OR 3.875-16	UN
4-4 OR 4.000-4	UNC
4-6 OR 4.000-6	UN
4-8 OR 4.000-8	UN
4-10 OR 4.000-10	UNS
4-12 OR 4.000-12	UN
4-14 OR 4.000-14	UNS
4-16 OR 4.000-16	UN
4 1/8-4 OR 4.125-4	UN
4 1/8-12 OR 4.125-12	UN
4 1/8-16 OR 4.125-16	UN
4 1/4-4 OR 4.250-4	UN

4 1/4-6 OR 4.250-6	UN
4 1/4-10 OR 4.250-10	UNS
4 1/4-12 OR 4.250-12	UN
4 1/4-14 OR 4.250-14	UNS
4 1/4-16 OR 4.250-16	UN
4 3/8-6 OR 4.375-6	UN
4 3/8-12 OR 4.375-12	UN
4 3/8-16 OR 4.375-16	UN
4 1/2-4 OR 4.500-4	UN
4 1/2-6 OR 4.500-6	UN
4 1/2-10 OR 4.500-10	UNS
4 1/2-12 OR 4.500-12	UN
4 1/2-14 OR 4.500-14	UNS
4 1/2-16 OR 4.500-16	UN
4 5/8-6 OR 4.625-6	UN
4 5/8-12 OR 4.625-12	UN
4 5/8-16 OR 4.625-16	UN
4 3/4-4 OR 4.750-4	UN
4 3/4-6 OR 4.750-6	UN
4 3/4-10 OR 4.750-10	UNS
4 3/4-12 OR 4.750-12	UN
4 3/4-14 OR 4.750-14	UNS
4 3/4-16 OR 4.750-16	UN
4 7/8-6 OR 4.875-6	UN
4 7/8-12 OR 4.875-12	UN
4 7/8-16 OR 4.875-16	UN
5-4 OR 5.000-4	UN
5-8 OR 5.000-8	UN
5-10 OR 5.000-10	UNS
5-12 OR 5.000-12	UN
5-14 OR 5.000-14	UNS
5-16 OR 5.000-16	UN
5 1/8-12 OR 5.125-12	UN
5 1/8-16 OR 5.125-16	UN
5 1/4-4 OR 5.250-4	UN
5 1/4-10 OR 5.250-10	UNS
5 1/4-12 OR 5.250-12	UN
5 1/4-14 OR 5.250-14	UNS
5 1/4-16 OR 5.250-16	UN
5 3/8-12 OR 5.375-12	UN
5 3/8-16 OR 5.375-16	UN
5 1/2-4 OR 5.500-4	UN
5 1/2-10 OR 5.500-10	UNS
5 1/2-12 OR 5.500-12	UN
5 1/2-14 OR 5.500-14	UNS
5 1/2-16 OR 5.500-16	UN

5 5/8-12 OR 5.625-12	UN
5 3/4-4 OR 5.750-4	UN
5 5/8-16 OR 5.625-16	UN
5 3/4-4 OR 5.750-4	UN
5 3/4-10 OR 5.750-10	UNS
5 3/4-12 OR 5.750-12	UN
5 3/4-14 OR 5.750-14	UNS
5 3/4-16 OR 5.750-16	UN
5 7/8-12 OR 5.875-12	UN
5 7/8-16 OR 5.875-16	UN
6-4 OR 6.000-4	UN
6-10 OR 6.000-10	UNS
6-12 OR 6.000-12	UN
6-14 OR 6.000-14	UNS
6-16 OR 6.000-16	UN

ISO METRIC SCREW THREAD SIZE/THREAD PITCH *

SIZE IN MM	PITCH IN MM		
(BASIC MAJOR DIAMETER)	ISO-M		ISO-S
COARSE	FINE	COARSE	
0.25	----	----	0.075
0.3	----	----	0.08
0.35	----	----	0.09
0.4	----	----	0.1
0.45	----	----	0.1
0.5	----	----	0.125
0.55	----	----	0.125
0.6	----	----	0.15
0.7	----	----	0.175
0.8	----	----	0.2
0.9	----	----	0.225
1.0	----	----	0.25
1.1	----	----	0.25
1.2	----	----	0.25
1.4	----	----	0.30
1.6	----	----	0.35
1.8	----	----	0.35
2.0	----	----	0.40
2.2	----	----	0.45
2.5	----	----	0.45
3.0	----	----	0.50

3.5	----	----	0.60
4.0	----	----	0.70
4.5	----	----	0.75
5.0	----	----	0.80
6.0	1.00	----	----
7.0	1.00	----	----
8.0	1.25	1.00	----
10.0	1.50	1.25	----
12.0	1.75	1.25	----
14.0	2.00	1.50	----
16.0	2.00	1.50	----
18.0	2.50	1.50	----
20.0	2.50	1.50	----
22.0	2.50	1.50	----
24.0	3.00	2.00	----
27.0	3.00	2.00	----
30.0	3.50	2.00	----
33.0	3.50	2.00	----
36.0	4.00	3.00	----
39.0	4.00	3.00	----

ISO METRIC THREADS ARE DESIGNATED BY A LETTER (M OR S), FOLLOWED BY THE SIZE AND PITCH IN MILLIMETERS, AS SHOWN BELOW. WHERE THERE IS NO INDICATION OF PITCH, THE COARSE PITCH IS IMPLIED.

EXAMPLES: M6X1 (INDICATES 6-MM DIAMETER, 1-MM PITCH); S2 (INDICATES 2-MM DIAMETER, COARSE (0.4) PITCH)

M6X1 (INDICATES 6-MM DIAMETER, 1-MM PITCH);

S2 (INDICATES 2-MM DIAMETER, COARSE (0.4) PITCH)

* Adapted from SCREW THREAD STANDARDS FOR FEDERAL SERVICES (1957), Handbook H28, Part III, Table 14.2.

FIIG Change List

FIIG Change List, Effective July 2, 2010

This change replaced with ISAC or and/or coding