FEDERAL ITEM IDENTIFICATION GUIDE

SPECIAL MEASURING AND INDICATING INSTRUMENTS

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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)	CLQLGWOVEN 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
ALARM, BIOLOGICAL AGENT, AUTOMATIC	31971	AA

A device which detects the presence of biological agent, sounds an alarm and activates the associated biosampler. Excludes ALARM, CHEMICAL AGENT, AUTOMATIC

ALARM, BIOLOGICAL-CHEMICAL AGENTS, AUTOMATIC	49627	AA

A device which detects the presence of chemical and/or biological agents, and sounds an alarm and/or lights a warning light. Excludes ALARM, BIOLOGICAL AGENT, AUTOMATIC and ALARM, CHEMICAL AGENT, AUTOMATIC.

ALARM, CHEMICAL AGENT, AUTOMATIC	28624	AA

A device which detects the presence of chemical agents (war gases) and sounds an alarm, and/or lights a warning light of distinctive color. Excludes ALARM, GAS, AUTOMATIC.

ALARM, GAS, AUTOMATIC	28625	AA

A device which detects the presence of hazardous gases or vapors, toxic explosives, and/or sounds an alarm, and/or lights or flashes lights of distinctive color when the concentration reaches a dangerous level. Excludes ALARM, CHEMICAL AGENT, AUTOMATIC.

ALARM, LIQUID, AUTOMATIC	36970	AA

A device which detects the presence of water or other aqueous liquids and gives an aural and/or visual indication.

ALARM UNIT, CHEMICAL AGENT AUTOMATIC ALARM	61958	AA
ALBUMINOMETER	18753	BA

A graduated tube designed for determination of albumin in urine. It may include a stand.

Balance

1. A device to determine weight of an unknown gravitational force by opposing with a known gravitational force. The forces are applied equidistant to the fulcrum (knife edge or torsion) of a common beam(s). Excludes SCALE (as modified).

Approved Item Name	INC	App Key
BALANCE (1), PRESCRIPTION	19023	CA

A balance designed solely for use in dispensing of pharmaceuticals and dental metals.

BALANCE, SPECIFIC GRAVITY DETERMINATION	19047	DA

A device whose sole function is to determine specific gravity by determining the apparent loss of weight of an immersed object.

BALANCE (1), TRIP	13580	EA
DETECTOR, ICE	36760	AA

A device designed to detect icing conditions on aircraft and provide an ice warning signal when the ice accretion reaches a preset level. The device may also transmit an electrical signal which can be used to control operation of the ice protection system.

DETECTOR UNIT, CHEMICAL AGENT AUTOMATIC ALARM	61959	AB
FLUXMETER	20901	FA

An electrical instrument which measures magnetic flux. With appropriate calibration it can be used for measurement of the intensity of a magnetic field. See also METER, FIELD STRENGTH.

HEMOGLOBINOMETER	13294	BB
LAMP AND SCALE, GALVANOMETER	18961	HA
PROBE, SAMPLING, GAS INDICATOR	17008	AC

A sparkproof metal or plastic tube used with a carbon monoxide, oxygen, or combustible gas indicator to obtain gas samples from otherwise inaccessible or dangerous locations.

RULE, LABORATORY	16932	JA

An item with cork stopper and rubber stopper scales, English and metric length scales and usually with a temperature conversion scale.

RULE, NONFOLDING	38728	JC

A rigid graduated measuring instrument of different lengths. Do not use if a more specific item name exists.

RULER, PLASTIC #	06634	JB

Excludes SCALE (as modified) and RULE (as modified)

Approved Item Name	INC	App Key
SAMPLER, BIOLOGICAL AGENT	31972	AC

An item designed to continuously sample the atmosphere for biological agent which is collected and stored for subsequent agent identification. It is specifically designed for use with an ALARM, BIOLOGICAL AGENT, AUTOMATIC.

SCALE, SLOTTED LINE	20906	JC

A thin, flat strip of plastic, metal, or other material, the edge of which is graduated in units of linear measurement such as centimeters or millimeters. It is attached to a slotted line for the physical measurement of the distance between nodes and/or antinodes of standing waves of radio frequency energy existing in a transmission line or waveguide system.

SCALE, TUNING	48739	JC

A thin, flat strip of plastic, metal or other material, the edge of which is graduated in units of linear measurement such as centimeters or millimeters. Excludes SCALE, SLOTTED LINE, and DIAL, SCALE.

SENSOR, OPAQUE PARTICLE	37790	AC

A device designed to detect the presence of predetermined amounts of smoke, dust, and the like, within the measuring area. The presence of any of these substances causes a change in the output signal of the device, which relays a warning message back to a central control panel. The device itself does not provide any audible or visible output, or analyze chemical content. Excludes ALARM, SMOKE, AUTOMATIC.

SHIELD, OPHTHALMIC TONOMETER	51130	JC

A sterile, disposable item designed for use on the tonometer, to reduce potential for disease transmission that comes in direct contact with the eyeball during routine examination. Excludes SHIELD, CORNEA, SURGICAL; SHIELD, OPTICAL MICROSCOPE; SHIELD, EYE, SURGICAL; and TONOMETER, OPHTHALMIC.

STAND, ALBUMINOMETER	40407	BA

A wooden base for holding an ALBUMINOMETER.

TENSIOMETER, LIQUID, TORSION METHOD	19244	KA

An instrument designed to determine the surface tension against air and liquid, may also determine interfacial tension between two liquid phases, by measuring the force required to rupture the film of the liquid confined in a vessel, against the torque applied to a ring attached by means of torsion wires to torsion head.

TONOMETER, OPHTHALMIC	34762	BC

An instrument for measuring intraocular pressure by determination of the resistance of the eyeball to indentation by an applied force.

Approved Item Name	INC	App Key
TONOMETER, OPHTHALMIC, ELECTRONIC	34763	BC

An instrument used to measure intraocular pressure and having an electronic readout.

URINOMETER	13583	GA

Excludes HYDOMETER (as modified).

VISCOSIMETER, WEIGHT BALANCE	18985	BD

A device to determine the viscosity of various materials by measuring the speed attained by a cylinder or other rotor immersed in the material under the influence of a constant weight.

APPLICABILITY KEY INDEX

	AA	AB	AC
NAME	X	X	X
BRQN	X	X	X
ALBY	X	X	X
AKWC	AR	AR	AR
ACYN	AR	AR	AR
ACZB	AR	AR	AR
FAAZ	AR	AR	AR
ACYR	AR	AR	AR
ALSF	AR	AR	AR
ACUT	AR	AR	AR
ACUS	AR	AR	AR
ALXZ	AR	AR	AR
AMKD	X	X	
ALPC	AR	AR	AR
APGF	X	X	X
ABHP		AR	AR
ABMK		AR	AR
ADAV		AR	AR
ABFY		AR	AR
ALGC		X	X
FEAT	AR	AR	AR
TEST	AR	AR	AR
SPCL	AR	AR	AR
ZZZK	AR	AR	AR
ZZZT	AR	AR	AR
ZZZW	AR	AR	AR
ZZZX	AR	AR	AR
ZZZY	AR	AR	AR
CRTL	AR	AR	AR
PRPY	AR	AR	AR
ELRN	AR	AR	AR
NHCF	AR	AR	AR
ELCD	AR	AR	AR
AFJK	AR	AR	AR
AWJN	AR	AR	AR
PRMT	AR	AR	AR
PMWT	AR	AR	AR
PMLC	AR	AR	AR
SUPP	AR	AR	AR
FCLS	AR	AR	AR
FTLD	AR	AR	AR
TMDN	AR	AR	AR
RTSE	AR	AR	AR
RDAL	AR	AR	AR
NTRD	AR	AR	AR
ZZZP	AR	AR	AR
ZZZV	AR	AR	AR
AGAV	AR	AR	AR

PKQT	AR	AR	AR
EXQT	AR	AR	AR
SUWT	AR	AR	AR
ECWT	AR	AR	AR
SUCB	AR	AR	AR
EXME	AR	AR	AR
EPPC	AR	AR	AR
PTRM	AR	AR	AR
PPRM	AR	AR	AR
ENVA	AR	AR	AR
CXCY	AR	AR	AR

	BA	BB	BC	BD
NAME	X	X	X	X
ANEH	AR	AR	AR	
APSK	X			
AWAG	X			
BRQP	X			
BRQQ	X			
AWCZ	X			
BRQR			X	
BRQS				X
ALFK	X	X	X	
AKYD		AR	AR	AR
FEAT	AR	AR	AR	AR
TEST	AR	AR	AR	AR
SPCL	AR	AR	AR	AR
ZZZK	AR	AR	AR	AR
ZZZT	AR	AR	AR	AR
ZZZW	AR	AR	AR	AR
ZZZX	AR	AR	AR	AR
ZZZY	AR	AR	AR	AR
CRTL	AR	AR	AR	AR
PRPY	AR	AR	AR	AR
ELRN	AR	AR	AR	AR
NHCF	AR	AR	AR	AR
ELCD	AR	AR	AR	AR
AFJK	AR	AR	AR	AR
AWJN	AR	AR	AR	AR
PRMT	AR	AR	AR	AR
PMWT	AR	AR	AR	AR
PMLC	AR	AR	AR	AR
SUPP	AR	AR	AR	AR
FCLS	AR	AR	AR	AR
FTLD	AR	AR	AR	AR
TMDN	AR	AR	AR	AR
RTSE	AR	AR	AR	AR
RDAL	AR	AR	AR	AR
NTRD	AR	AR	AR	AR
ZZZP	AR	AR	AR	AR
ZZZV	AR	AR	AR	AR
AGAV	AR	AR	AR	AR
PKQT	AR	AR	AR	AR
EXQT	AR	AR	AR	AR
SUWT	AR	AR	AR	AR
ECWT	AR	AR	AR	AR
SUCB	AR	AR	AR	AR
EXME	AR	AR	AR	AR
EPPC	AR	AR	AR	AR
PTRM	AR	AR	AR	AR
PPRM	AR	AR	AR	AR
ENVA	AR	AR	AR	AR
CXCY	AR	AR	AR	AR

	CA
NAME	X
ATJB	X
ANTG	X
APGF	X
BRQT	X
BRQW	X
ABHP	AR
ABMK	AR
ADAV	AR
ABFY	AR
BRQX	X
BHMW	AR
AWAG	AR
AKYD	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
AWJN	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
AGAV	AR
PKQT	AR
EXQT	AR
SUWT	AR
ECWT	AR
SUCB	AR
EXME	AR
EPPC	AR
PTRM	AR
PPRM	AR
ENVA	AR
CXCY	AR

	DA
NAME	X
APQB	X
AWAF	X
BFJG	AR
BRQY	X
BRQZ	X
ATHX	X
AFJU	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
AWJN	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
AGAV	AR
PKQT	AR
EXQT	AR
SUWT	AR
ECWT	AR
SUCB	AR
EXME	AR
EPPC	AR
PTRM	AR
PPRM	AR
ENVA	AR
CXCY	AR

	EA
NAME	X
ATJB	X
ANTG	X
BRRB	X
BHMW	AR
AWAG	AR
ANYW	X
ATMG	AR
ATMH	AR
AAJU	AR
AAJV	AR
AAJW	AR
AELF	AR
ATMJ	X
ATMK	X
ATML	X
BRRC	X
AFHG	AR
BRRD	X
AKYD	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
AWJN	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
AGAV	AR
PKQT	AR
EXQT	AR
SUWT	AR
ECWT	AR
SUCB	AR

EXME	AR
EPPC	AR
PTRM	AR
PPRM	AR
ENVA	AR
CXCY	AR

	FA
NAME	X
BDGK	X
ABWD	X
ABWF	X
ABWG	AR
BRRJ	AR
BRRK	AR
BRRG	X
BRRH	AR
ACDC	AR
AMSE	AR
ACZB	AR
FAAZ	AR
ALSF	AR
ADTV	X
ABHP	AR
ABMK	AR
ABFY	AR
ABKW	AR
ADAV	AR
AKWA	AR
AKWB	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
AWJN	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
AGAV	AR
PKQT	AR
EXQT	AR
SUWT	AR

ECWT	AR
SUCB	AR
EXME	AR
EPPC	AR
PTRM	AR
PPRM	AR
ENVA	AR
CXCY	AR

	GA
NAME	X
ANEH	AR
BRRL	X
BRRM	X
BRRN	X
BRRP	X
BRRQ	X
BRRR	X
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
AWJN	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
AGAV	AR
PKQT	AR
EXQT	AR
SUWT	AR
ECWT	AR
SUCB	AR
EXME	AR
EPPC	AR
PTRM	AR
PPRM	AR
ENVA	AR
CXCY	AR

	HA
NAME	X
AEWR	X
AEWX	X
AEWW	X
BRRS	X
APSJ	X
BHYZ	X
APSK	X
AWAG	X
AAXX	X
AMQT	AR
AKYD	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
AWJN	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
AGAV	AR
PKQT	AR
EXQT	AR
SUWT	AR
ECWT	AR
SUCB	AR
EXME	AR
EPPC	AR
PTRM	AR
PPRM	AR
ENVA	AR
CXCY	AR

	JA	JB	JC
NAME	X	X	X
MATL	X		X
AJQE		X#	
BRRT	X		
APSK		X#	
AWAG		X#	X
ABHP	AR	AR	AR
ADUM	AR	AR	AR
ABMK	AR	AR	AR
ALGC			AR
FEAT	AR	AR	AR
TEST	AR	AR	AR
SPCL	AR	AR	AR
ZZZK	AR	AR	AR
ZZZT	AR	AR	AR
ZZZW	AR	AR	AR
ZZZX	AR	AR	AR
ZZZY	AR	AR	AR
CRTL	AR	AR	AR
PRPY	AR	AR	AR
ELRN	AR	AR	AR
NHCF	AR	AR	AR
ELCD	AR	AR	AR
AFJK	AR	AR	AR
AWJN	AR	AR	AR
PRMT	AR	AR	AR
PMWT	AR	AR	AR
PMLC	AR	AR	AR
SUPP	AR	AR	AR
FCLS	AR	AR	AR
FTLD	AR	AR	AR
TMDN	AR	AR	AR
RTSE	AR	AR	AR
RDAL	AR	AR	AR
NTRD	AR	AR	AR
ZZZP	AR	AR	AR
ZZZV	AR	AR	AR
AGAV	AR	AR	AR
PKQT	AR	AR	AR
EXQT	AR	AR	AR
SUWT	AR	AR	AR
ECWT	AR	AR	AR
SUCB	AR	AR	AR
EXME	AR	AR	AR
EPPC	AR	AR	AR
PTRM	AR	AR	AR
PPRM	AR	AR	AR
ENVA	AR	AR	AR
CXCY	AR	AR	AR

	KA
NAME	X
ALBY	X
BSBJ	AR
APSK	AR
AWAG	AR
BBNL	X
BRRW	X
BRRX	X
BRRY	X
AFJU	X
AKYD	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
AWJN	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
FCLS	AR
FTLD	AR
TMDN	AR
RTSE	AR
RDAL	AR
NTRD	AR
ZZZP	AR
ZZZV	AR
AGAV	AR
PKQT	AR
EXQT	AR
SUWT	AR
ECWT	AR
SUCB	AR
EXME	AR
EPPC	AR
PTRM	AR
PPRM	AR
ENVA	AR
CXCY	AR

Body

SECTION: A

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 index appearing in the General Information Section. (e.g., NAMED28624*)

ALL

BRQN D MEDIA DETECTED

Definition: AN INDICATION OF THE MEDIA DETECTED BY THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BRQNDPE*; BRQNDDW$$DPE*; BRQNDDW$DPE*)

REPLY CODE	REPLY (AB75)
AHT	BIOLOGICAL AGENTS
DW	CARBON MONOXIDE
AHR	COMBUSTIBLE GAS
PE	EXPLOSIVE GAS
PF	G CHEMICAL AGENT
ABE	GAS
AGT	ICE
AAQ	OXYGEN
AGS	SMOKE
PG	V CHEMICAL AGENT
AGN	VOLATILE VAPOR
ACN	WATER

ALL

ALBY D USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALBYDABK*; ALBYDAHX$$DABC*; ALBYDAHX$DABC*)

REPLY CODE	REPLY (AH21)
AHX	AIRCRAFT
AAD	DOMESTIC
ABK	FIELD
AHA	INDUSTRIAL
ABC	SHIPBOARD
AMF	VEHICULAR

NOTE FOR MRC AKWC: REPLY TO MRC AKWC ONLY WHEN THE SOLE POWER SOURCE IS SELF-CONTAINED OR WHEN A SINGLE EXTERNAL POWER SOURCE IS CITED. IF MORE THAN ONE EXTERNAL POWER SOURCE, DO NOT REPLY TO MRC AKWC. USE AND/OR CODING ($$/$) INSTRUCTIONS, APPLICABLE TO MRCS ACYN, ACZB, FAAZ, ACYR, ALSF, ACUT, AND ACUS.

ALL* (See Note Above)

AKWC	D	ELECTRICAL POWER SOURCE RELATIONSHIP

Definition: THE RELATIONSHIP OF THE ELECTRICAL POWER SOURCE TO THE ITEM.

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

A self-contained power source shall be interpreted as being a power source, such as a gasoline or diesel engine generator, or vehicular electrical system when the vehicle utilized as the power source is included in the item.

When the item includes a self-contained power source and the item is also designed for operation from an external power source, the external power source is considered alternate operating. Under this condition reply only alternate operating.

When the item is powered by external power source(s) only, it is considered operating. When the item is powered solely by internal batteries, these batteries do not constitute a self-contained power source but are considered operating.

REPLY CODE	REPLY (AH00)
AB	ALTERNATE OPERATING
AC	OPERATING

APP Key	MRC	Mode Code	Requirements
		AD	SELF-CONTAINED

NOTE FOR MRCS ACYN, ACZB, FAAZ, ACYR, ALSF, ACUT, AND ACUS: REPLY TO THESE MRCS, AS APPLICABLE, IF REPLY TO MRC AKWC IS OTHER THAN AD.

ALL* (See Note Above)

ACYN J AC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF ROOT MEAN SQUARE POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYNJVA110.0; ACYNJVB110.0$$JVC115.0*; ACYNJVB110.0$JVC115.0*)*

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ACYN)

ACZB J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0; ACZBJEB60.0$$JEC70.0*; ACZBJEB60.0$JEC70.0*)*

Table 1

REPLY CODE	REPLY (AC32)
E	HERTZ
K	KILOHERTZ

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC ACYN)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB; FAAZDA$$DC*; FAAZDA$DC)*

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

ALL* (See Note Preceding MRC ACYN)

ACYR J DC VOLTAGE RATING

Definition: THE VALUE, OR RANGE OF VALUES, OF DIRECT CURRENT POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACYRJVA110.0; ACYRJVB110.0$$JVC115.0*; ACYRJVB110.0$JVC115.0*)*

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ACYN)

ALSF D INTERNAL BATTERY ACCOMMODATION

Definition: AN INDICATION OF WHETHER OR NOT A FACILITY(IES) TO ACCOMMODATE A BATTERY(IES) IS INCLUDED.

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

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL* (See Note Preceding MRC ACYN)

ACUT B DIRECT CURRENT RATING IN AMPS

Definition: THE DIRECT CURRENT RATING FOR WHICH THE ITEM IS RATED, EXPRESSED IN AMPERES.

Reply Instructions: Enter the numeric value. (e.g., ACUTB30.5*)

ALL* (See Note Preceding MRC ACYN)

ACUS B ALTERNATING CURRENT RATING IN AMPS

Definition: THE ALTERNATING CURRENT RATING FOR WHICH THE ITEM IS RATED, EXPRESSED IN AMPERES.

Reply Instructions: Enter the numeric value. (e.g., ACUSB30.5*)

ALL*

ALXZ G SPECIFIC USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter reply in clear text. (e.g., ALXZGSAMPLES ATMOSPHERE CONTINUOSLY*)

AA, AB

AMKD D INDICATOR TYPE

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES THE TYPE OF DEVICE USED TO REGISTER THE CONDITION(S).

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AMKDDADN*; AMKDDADN$DABC*; AMKDDADN$$DABC*)

REPLY CODE	REPLY (AJ12)
A	ANY ACCEPTABLE
ADN	BELL
ABC	BUZZER
AKW	FLASHING RED LIGHT
ADP	HORN
AKG	RED LIGHT

ALL*

ALPC G COMPONENT AND QUANTITY

Definition: THE NAME AND NUMBER OF COMPONENTS WHICH MAKE UP THE ITEM.

Reply Instructions: Enter the reply in clear text.

(e.g., ALPCGINFRARED RECEIVER-TRANSMITTER 1*)

ALL

APGF D DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

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

REPLY CODE	REPLY (AK54)
BXL	NONTRIPOD MOUNTING
BXM	TRIPOD MOUNTING

AB*, AC*

ABHP J OVERALL LENGTH

APP Key	MRC	Mode Code	Requirements

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AB*, AC*

ABMK	J	OVERALL WIDTH

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

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AB*, AC*

ADAV	J	OVERALL DIAMETER

APP Key	MRC	Mode Code	Requirements

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.502*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AB*, AC*

ABFY	J	OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

AB, AC

ALGC	G	MOUNTING CONFIGURATION

APP Key	MRC	Mode Code	Requirements
	Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.		
	Reply Instructions: Enter the reply in clear text. (e.g., ALGCGTWO 0.127 INCH DIAMETER MOUNTING HOLES SPACED 19 INCHES CENTER TO CENTER*)		

SECTION: B

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 index appearing in the General Information Section. (e.g., NAMED18753*)

BA*, BB*, BC*

ANEH	D	DESIGN DESIGNATION

Definition: THE DESIGNATION DERIVED FROM THE NAME OF THE DESIGNER OR USE FOR WHICH THE ITEM IS INTENDED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., ANEHDBPL*)

BA

APSK	J	SCALE RANGE

Definition: AN INDICATION OF THE SCALE RANGE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values separated by a slash. Precede all valves with a P. (e.g., APSKJEJP1.0/P20.0*)

REPLY CODE	REPLY (AJ20)
EJ	MILLILITERS
DJ	OUNCES

BA

AWAG	J	SCALE SMALLEST INCREMENT

Definition: THE SMALLEST VALUE BETWEEN THE MARKINGS ON A SCALE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWAGJAM0.1*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AG67)
AM	MILLILITERS
AN	OUNCES

BA

BRQP D TUBE BOTTOM SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE BOTTOM OF THE TUBE(S).

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

REPLY CODE	REPLY (AD07)
RD	ROUND
TA	TAPERED

BA

BRQQ D STAND MATERIAL

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

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., BRQQDWD0000*; BRQQDWDAE00$$DWD0000*)

BA

AWCZ D STOPPER MATERIAL

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

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., AWCZDRC0000*; AWCZDPC0000$$DRC0000*)

BC

BRQR D WEIGHT SET

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF WHETHER OR NOT A WEIGHT SET IS INCLUDED.

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

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

BD

BRQS	J	WEIGHT SIZE RANGE

Definition: DESIGNATES THE SIZE RANGE OF THE WEIGHTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values separated by a slash. Precede all values with a P. (e.g., BRQSJBAP35.0/P160.0*)

REPLY CODE	REPLY (AG67)
AG	GRAINS
BA	GRAMS

BA, BB, BC

ALFK	D	CASE

Definition: AN INDICATION OF WHETHER OR NOT A CONTAINER FROM WHICH THE ITEM IS COMPLETELY REMOVABLE IS PROVIDED.

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

Applicability Key BB and BC shall be a fitted case type.

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

BB*, BC*, BD*

APP Key	MRC	Mode Code	Requirements
	AKYD	G	ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGCOLOR STANDARDS 2*)

SECTION: C

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 index appearing in the General Information Section. (e.g., NAMED19023*)

ALL

ATJB	J	WEIGHING CAPACITY

Definition: THE WEIGHING CAPACITY OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ATJBJBA4.0*)

REPLY CODE	REPLY (AG67)
BA	GRAMS
AJ	KILOGRAMS

ALL

ANTG	J	SENSITIVITY RATING

Definition: THE RATED SENSITIVITY OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ANTGJAAK0.5*)

REPLY CODE	REPLY (AK11)
AAK	GRAMS
AAL	MILLIGRAMS

ALL

APGF	D	DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

APP Key	MRC	Mode Code	Requirements

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

REPLY CODE	REPLY (AK54)
BYG	KNOCKDOWN
BYH	PERMANENTLY ASSEMBLED

ALL

BRQT D LEVER SYSTEM DESIGN

Definition: THE DESIGN OF THE LEVER SYSTEM.

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

REPLY CODE	REPLY (AK54)
BYC	INCLOSED
AJP	OPEN

ALL

BRQW D PAN MATERIAL

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

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., BRQWDBR0000*; BRQWDBR0000$$DNC0000*)

ALL*

ABHP J OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements

A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

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

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements

A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

BRQX D PAN MOUNTING POSITION

Definition: THE INSTALLED POSITION FOR WHICH THE PAN IS DESIGNED.

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

REPLY CODE	REPLY (AM84)
AAZ	ABOVE BEAM
ABA	SUSPENDED FROM BEAM

APP Key	MRC	Mode Code	Requirements

ALL*

BHMW J MEASUREMENT RANGE

Definition: THE MINIMUM TO MAXIMUM VALUE WHICH THE ITEM IS CAPABLE OF MEASURING.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values separated by a slash. Precede all values with a P. (e.g., BHMWJHBP0.0/P650.0*)

REPLY CODE	REPLY (AJ20)
HD	GRAINS
HC	GRAMS
HB	MILLIGRAMS

ALL*

AWAG J SCALE SMALLEST INCREMENT

Definition: THE SMALLEST VALUE BETWEEN THE MARKINGS ON A SCALE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWAGJAL10.0*)

REPLY CODE	REPLY (AG67)
AG	GRAINS
BA	GRAMS
AL	MILLIGRAMS

ALL*

AKYD G ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGCHART CONVERSION 1*)

SECTION: D

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 index appearing in the General Information Section. (e.g., NAMED19047*)

ALL

APQB	D	UNIT TYPE

Definition: INDICATES THE TYPE OF UNIT.

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

REPLY CODE	REPLY (AK95)
AXZ	BEAM
BAA	CHAIN
BAB	HELICAL SPRING

ALL

AWAF	F	SPECIFIC GRAVITY RANGE

Definition: THE LIMITS OF SPECIFIC GRAVITY INDICATED BY THE ITEM.

Reply Instructions: Enter the numeric value, separated by a slash. Preceded all values with a P. (e.g., AWAFFP0.7000/P2.0000*)

ALL*

BFJG	G	SENSITIVITY RATING

Definition: THE RATED SENSITIVITY OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., BFJGG33 RATING*)

ALL

BRQY	D	WEIGHT

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF WHETHER OR NOT A WEIGHT(S) IS INCLUDED.

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

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

BRQZ D GLASS THERMOMETER PLUMMET

Definition: AN INDICATION OF WHETHER OR NOT A GLASS THERMOMETER PLUMMET IS INCLUDED.

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

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

ATHX D FORCEPS

Definition: AN INDICATION OF WHETHER OR NOT FORCEPS ARE INCLUDED.

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

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

AFJU D CARRYING CASE

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF WHETHER OR NOT A CONTAINER FROM WHICH THE ITEM IS COMPLETELY REMOVABLE IN NORMAL OPERABLE CONDITION IS PROVIDED.

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

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

SECTION: E

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 index appearing in the General Information Section. (e.g., NAMED13580*)

ALL

ATJB J WEIGHING CAPACITY

Definition: THE WEIGHING CAPACITY OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ATJBJBA4.0*)

REPLY CODE	REPLY (AG67)
BA	GRAMS
AJ	KILOGRAMS
AN	OUNCES
AS	POUNDS

ALL

ANTG J SENSITIVITY RATING

Definition: THE RATED SENSITIVITY OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ANTGJAAM0.1*)

REPLY CODE	REPLY (AK11)
AAM	GRAINS
AAK	GRAMS
AAN	OUNCES

ALL

BRRB D WEIGHT BEAM LOCATION

APP Key	MRC	Mode Code	Requirements

Definition: INDICATES THE LOCATION OF THE WEIGHT BEAM.

Reply Instructions: For a single weight beam or multiple weight beams having the same characteristics, enter one reply. (e.g., BRRBDAHP*)

For multiple weight beams having different characteristics, use AND coding ($$) entering a separate reply for each weight beam. (e.g., BRRBDABC$$DBHS*)

REPLY CODE	REPLY (AJ91)
AHP	CENTER
ABC	FRONT
BHQ	LOWER
BHS	LOWER FRONT
ABJ	REAR
AYM	UPPER
BJB	UPPER FRONT

NOTE FOR MRCS BHMW AND AWAG: WHEN MULTIPLE REPLIES ARE ENTERED FOR MRCS BHMW AND AWAG, USE AND CODING ($$) ENTERING REPLIES IN THE SAME SEQUENCE AS MRC BRRB, ENTERING THE APPLICABLE REPLY CODE TO EACH REQUIREMENT FOR EACH WEIGHT BEAM.

ALL* (See Note Above)

BHMW	J	MEASUREMENT RANGE

Definition: THE MINIMUM TO MAXIMUM VALUE WHICH THE ITEM IS CAPABLE OF MEASURING.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values separated by a slash. Precede all valves with a P. (e.g., BHMWJHCP0.0/P10.0*; BHMWJHCP0.0/P10.0$$JHCP1.0/P12.0*)

REPLY CODE	REPLY (AJ20)
HD	GRAINS
HC	GRAMS
DJ	OUNCES
AY	POUNDS

ALL* (See Note Preceding MRC BHMW)

AWAG	J	SCALE SMALLEST INCREMENT

APP Key	MRC	Mode Code	Requirements

Definition: THE SMALLEST VALUE BETWEEN THE MARKINGS ON A SCALE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWAGJBA0.1*; AWAGJBA0.1$$JBA0.2*)

REPLY CODE	REPLY (AG67)
AG	GRAINS
BA	GRAMS
AN	OUNCES
AS	POUNDS

ALL

ANYW A RECEPTACLE QUANTITY

Definition: THE NUMBER OF RECEPTACLES PROVIDED.

Reply Instructions: For a single receptacle or multiple receptacles having the same characteristics, enter one reply. (ANYWA1*)

For multiple receptacles having different characteristics, use AND coding ($$) entering a separate reply for each receptacle. (e.g., ANYWA1$$A1*)

NOTE FOR MRCS ATMG, ATMH, AAJU, AAJV, AAJW, AND AELF: WHEN MULTIPLE REPLIES ARE ENTERED FOR MRCS ATMG, ATMH, AAJU, AAJV, AAJW, AND AELF, USE AND CODING ($$) ENTERING REPLIES IN THE SAME SEQUENCE AS MRC ANYW, ENTERING THE APPLICABLE REPLY TO EACH REQUIREMENT FOR EACH RECEPTACLE.

ALL* (See Note Above)

ATMG D RECEPTACLE TYPE

Definition: INDICATES THE TYPE OF RECEPTACLE PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ATMGDAE*; ATMGDAE$$DAF*)

REPLY CODE	REPLY (AM17)
A	ANY ACCEPTABLE
AE	PAN
AF	PLATE
AX	SQUARE

APP Key	MRC	Mode Code	Requirements
		AY	SQUARE PLATE

ALL* (See Note Preceding MRC ATMG)

ATMH D RECEPTACLE MATERIAL

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

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., ATMHDALC000*; ATMHDALC000$$DBR0000*)

ALL* (See Note Preceding MRC ATMG)

AAJU J OVERALL LENGTH

Definition: A 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. (eg., AAJUJA1.000*; AAJUJL25.4*; AAJUJA1.000$$JA3.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL* (See Note Preceding MRC ATMG)

AAJV J OVERALL WIDTH

Definition: AN OVERALL 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., AAJVJA5.000*; AAJVJL25.4*; AAJVJA5.000$$JA6.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

ALL* (See Note Preceding MRC ATMG)

AAJW J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AAJWJA5.000*; AAJWJLA25.4*; AAJWJA5.000$$JA6.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL* (See Note Preceding MRC ATMG)

AELF J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AELFJA3.000*; AELFJL25.4*; AELFJA3.000$$JA5.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL

ATMJ D ADJUSTABLE BALANCE PAN REST

Definition: AN INDICATION OF WHETHER OR NOT AN ADJUSTABLE BALANCE PAN REST IS INCLUDED.

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

REPLY CODE	REPLY (AA49)
B	INCLUDED

APP Key	MRC	Mode Code	Requirements
		C	NOT INCLUDED

ALL

ATMK D ADJUSTABLE LEG

Definition: AN INDICATION OF WHETHER OR NOT ADJUSTABLE LEGS ARE INCLUDED.

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

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

ATML D SPIRIT LEVEL

Definition: AN INDICATION OF WHETHER OR NOT A SPIRIT LEVEL IS INCLUDED.

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

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

BRRC D ROD MOUNTING BASE PROVISION

Definition: AN INDICATION OF WHETHER OR NOT A ROD MOUNTING BASE PROVISION(S) IS INCLUDED.

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

REPLY CODE	REPLY (AA49)
B	INCLUDED

APP Key	MRC	Mode Code	Requirements
		C	NOT INCLUDED

NOTE FOR MRC AFHG: REPLY TO THIS MRC IF REPLY CODE B IS ENTERED FOR MRC BRRC.

ALL* (See Note Above)

AFHG D MOUNTING FACILITY TYPE

Definition: INDICATES THE TYPE OF FACILITY PROVIDED PERMITTING ATTACHMENT OF THE ITEM TO A SURFACE OR TO ANOTHER ITEM.

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

REPLY CODE	REPLY (AE11)
AS	SETSCREW
AT	THREADED ROD

ALL

BRRD D SPECIFIC GRAVITY WEIGHING HOOK ACCOMMODATION

Definition: AN INDICATION OF WHETHER OR NOT A HOOK ACCOMMODATION FOR SPECIFIC GRAVITY WEIGHING IS INCLUDED.

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

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

AKYD G ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

APP Key	MRC	Mode Code	Requirements
	Reply Instructions: Enter the reply in clear text. (e.g., AKYDGINSTRUCTION BOOKLETS 2*)		

SECTION: F

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 index appearing in the General Information Section. (e.g., NAMED20901*)

ALL

BDGK J FLUX DENSITY

Definition: A MEASUREMENT OF THE ELECTROMAGNETIC LINES OF FORCE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., BDGKJDXA1200.0*; BDGKJDXB1200.0$$JDXC1250.0*)

Table 1

REPLY CODE	REPLY (AG67)
DX	GAUSS
DY	KILOGAUSS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

ABWD J SCALE DIRECTION AND RANGE

Definition: THE ORDER OF THE NUMERIC SCALE MARKINGS OF THE DIAL.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the inscription range. Record only the minimum and maximum numbers on the dial. (e.g., ABWDJA30 TO 50*)

REPLY CODE	REPLY (AB50)

APP Key	MRC	Mode Code	Requirements
		A	CLOCKWISE
		D	COUNTERCLOCKWISE
		B	LEFT TO RIGHT
		C	TOP TO BOTTOM

ALL

ABWF D SCALE LINEARITY

Definition: EQUAL OR UNEQUAL DISTANCES BETWEEN GRADUATIONS REPRESENTING VALUES OF MEASUREMENT ON A SCALE.

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

REPLY CODE	REPLY (AB51)
A	LINEAR
B	NONLINEAR

NOTE FOR MRC ABWG: REPLY TO THIS MRC IF REPLY CODE A IS ENTERED FOR MRC ABWF.

ALL* (See Note Above)

ABWG A SCALE DIVISION QUANTITY

Definition: THE NUMBER OF SCALE DIVISIONS.

Reply Instructions: Enter the quantity. (e.g., ABWGA50*)

ALL*

BRRJ J MAGNET GAP RANGE ACCOMMODATED

Definition: A MEASUREMENT OF THE MINIMUM AND MAXIMUM MAGNET GAPS THE ITEM WILL ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values, separated by a slash. Precede all values with the letter P. (e.g., BRRJJAP0.700/P1.125*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

APP Key	MRC	Mode Code	Requirements

ALL*

BRRK J MAGNET DIAMETER RANGE ACCOMMODATED

Definition: A MEASUREMENT OF THE MINIMUM AND MAXIMUM MAGNET DIAMETERS THE ITEM WILL ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values, separated by a slash. Precede all values with a P. (e.g., BRRKJAP1.500/P2.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL

BRRG D PROBE HANDLE

Definition: AN INDICATION OF WHETHER OR NOT A PROBE HANDLE IS INCLUDED.

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

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

BRRH A MAGNET YOKE QUANTITY

Definition: THE NUMBER OF MAGNET YOKES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., BRRHA2*)

ALL*

ACDC D CURRENT TYPE

APP Key	MRC	Mode Code	Requirements

Definition: INIDCATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDB*; ACDCDB$$DC*)

REPLY CODE	REPLY (AB62)
B	AC
D	AC/DC
C	DC

NOTE FOR MRC AMSE, ACZB AND FAAZ: A REPLY MUST BE ENTERED TO THESE MRCS IF REPLY CODE B IS ENTERED FOR MRC ACDC.

ALL* (See Note Above)

AMSE J VOLTAGE RATING

Definition: THE VALUE(S) OF POTENTIAL FOR WHICH THE ITEM IS RATED.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AMSEJVA110.0*; AMSEJVB110.0$$JVC115.0*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AMSE)

ACZB J FREQUENCY RATING

Definition: THE NUMBER OF COMPLETE CYCLIC CHANGES, PER UNIT OF TIME, FOR WHICH AN ITEM IS RATED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ACZBJEA60.0*; ACZBJEB60.0$$JEC65.0*)

Table 1

REPLY CODE	REPLY (AC32)
E	HERTZ
K	KILOHERTZ

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL* (See Note Preceding MRC AMSE)

FAAZ D PHASE

Definition: THE NUMBER OF ALTERNATING CURRENT PHASES.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., FAAZDB*; FAAZDA$$DC*)

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

ALL*

ALSF D INTERNAL BATTERY ACCOMMODATION

Definition: AN INDICATION OF WHETHER OR NOT A FACILITY(IES) TO ACCOMMODATE A BATTERY(IES) IS INCLUDED.

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

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

APP Key	MRC	Mode Code	Requirements

ALL

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 3. (e.g., ADTVDST0000*; ADTVDST0000$$DSTB000*)

ALL*

ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK	J	OVERALL WIDTH

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

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA1.000*; ABFYJLA25.4*; ABFYJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

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

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA1.000*; ABKWJLA25.4*; ABKWJAB2.495$$JAC2.503*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA1.000*; ADAVJLA25.4*; ADAVJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AKWA G JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM NAME

Definition: THE NAME ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the reply in clear text. (e.g., AKWAGFLUXMETER*)

APP Key	MRC	Mode Code	Requirements

NOTE FOR MRC AKWB: REPLY TO THIS MRC IF A REPLY IS GIVEN TO MRC AKWA.

ALL* (See Note Above)

AKWB	G	JOINT ELECTRONICS TYPE DESIGNATION SYSTEM ITEM TYPE NUMBER

Definition: THE TYPE NUMBER ASSIGNED TO THE ITEM BY THE JOINT ELECTRONICS TYPE DESIGNATION SYSTEM.

Reply Instructions: Enter the reply in clear text.

(e.g., AKWBGTYPE TS-15B/AP*)

SECTION: G

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 index appearing in the General Information Section. (e.g., NAMED13583*)

ALL*			
	ANEH	D	DESIGN DESIGNATION

Definition: THE DESIGNATION DERIVED FROM THE NAME OF THE DESIGNER OR USE FOR WHICH THE ITEM IS INTENDED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., ANEHDBPS*)

ALL			
	BRRL	D	HYDROMETER TUBING MATERIAL

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

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., BRRLDGS0000*; BRRLDGS0000$$DGSAAR0*)

ALL			
	BRRM	D	HYDROMETER BALLAST MATERIAL

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

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., BRRMDHG0000*)

ALL			
	BRRN	F	HYDROMETER SCALE RANGE

APP Key	MRC	Mode Code	Requirements

Definition: AN INDICATION OF THE MINIMUM AND MAXIMUM LIMITS OF THE HYDROMETER SCALE.

Reply Instructions: Enter the numeric values, separated by a slash. Precede all values with a P. (e.g., BRRNFP1.000/P1.040*)

ALL

BRRP D CYLINDER LUMEN TYPE

Definition: INDICATES THE TYPE OF CYLINDER LUMEN.

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

REPLY CODE	REPLY (AA78)
ET	PLAIN
FS	RIGID

ALL

BRRQ D CYLINDER GRADUATION

Definition: AN INDICATION OF WHETHER OR NOT A CYLINDER(S) GRADUATION IS INCLUDED.

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

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

BRRR D CYLINDER POURING LIP

Definition: AN INDICATION OF WHETHER OR NOT A CYLINDER POURING LIP IS INCLUDED.

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

APP Key	MRC	Mode Code	Requirements
		REPLY CODE	REPLY (AA49)
		B	INCLUDED
		C	NOT INCLUDED

SECTION: H

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 index appearing in the General Information Section. (e.g., NAMED18961*)

ALL

AEWR	A	LAMP QUANTITY

Definition: THE NUMBER OF LAMPS INCLUDED WITH THE ITEM.

Reply Instructions: Enter one reply for a single lamp or multiple lamps having the same characteristics. (e.g., AEWRA1*)

For multiple lamps having different characteristics, use AND coding ($$) entering a reply for each lamp. (e.g., AEWRA1$$A1*)

NOTE FOR MRCS AEWX, AEWW, AND BRRS: WHEN MULTIPLE REPLIES ARE ENTERED, USE AND CODING ($$) ENTERING REPLIES IN THE SAME SEQUENCE AS MRC AEWR, ENTERING THE APPLICABLE REPLY TO EACH REQUIREMENT FOR EACH LAMP.

ALL (See Note Above)

AEWX	B	LAMP VOLTAGE RATING IN VOLTS

Definition: THE VOLTAGE, FOR WHICH THE LAMP IS RATED FOR NORMAL OPERATION, EXPRESSED IN VOLTS.

Reply Instructions: Enter the numeric value. (e.g., AEWXB6.0*; AEWXB6.0$$B7.0*)

ALL (See Note Preceding MRC AEWX)

AEWW	B	LAMP CANDLEPOWER RATING IN FOOTCANDLES

APP Key	MRC	Mode Code	Requirements

Definition: THE CANDLEPOWER, OR MEASUREMENT OF LUMINOUS INTENSITY FOR WHICH THE LAMP IS RATED, EXPRESSED IN FOOTCANDLES.

Reply Instructions: Enter the numeric value. For items having candlepower ratings of minimum and maximum values, give the median value only. (e.g., AEWWB5.0*; AEWWB5.0$$B6.0*)

ALL (See Note Preceding MRC AEWX)

BRRS D LAMP TRANSFORMER

Definition: AN INDICATION OF WHETHER OR NOT A TRANSFORMER IS INCLUDED WITH THE LAMP.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., BRRSDB*; BRRSDB$$DC*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL

APSJ A SCALE QUANTITY

Definition: THE NUMBER OF SCALES ON THE ITEM.

Reply Instructions: Enter one reply for a single scale or multiple scales having the same characteristics. (e.g., APSJA1*)

For multiple scales having different characteristics, use AND coding ($$) entering a separate reply for each scale. (e.g., APSJA1$$A1*)

NOTE FOR MRCS BHYZ, APSK, AND AWAG: WHEN MULTIPLE REPLIES ARE ENTERED, USE AND CODING ($$) ENTERING REPLIES IN THE SAME SEQUENCE AS MRC APSJ, ENTERING THE APPLICABLE REPLY TO EACH REQUIREMENT FOR EACH SCALE.

ALL (See Note Above)

BHYZ D SCALE MATERIAL

APP Key	MRC	Mode Code	Requirements

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

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., BHYZDME0000*; BHYZDNC0000$$DST0000*)

ALL (See Note Preceding MRC BHYZ)

APSK	J	SCALE RANGE

Definition: AN INDICATION OF THE SCALE RANGE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values, separated by a slash. Precede all values with a P. (e.g., APSKJBEP0.0/P50.0*; APSKJBEP0.0/P50.0$$JBEP5.0/P10.0*)

REPLY CODE	REPLY (AJ20)
BE	CENTIMETERS
BP	FEET

ALL (See Note Preceding MRC BHYZ)

AWAG	J	SCALE SMALLEST INCREMENT

Definition: THE SMALLEST VALUE BETWEEN THE MARKINGS ON A SCALE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWAGJHC1.0*; AWAGJBC1.0$$JBC2.0*)

REPLY CODE	REPLY (AG67)
BC	INCHES
HC	MILLIMETERS

ALL

AAXX	D	MOUNTING TYPE

Definition: INDICATES THE TYPE OF MOUNT UTILIZED TO SUPPORT THE ITEM.

APP Key	MRC	Mode Code	Requirements

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

REPLY CODE	REPLY (AA78)
BF	BASE
BQ	TRIPOD

ALL*

AMQT	D	ADJUSTABILITY FEATURE

Definition: AN INDICATION OF WHETHER OR NOT AN ADJUSTABLE FEATURE IS INCLUDED.

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

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

ALL*

AKYD	G	ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGMIRROR 1*)

SECTION: J

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 index appearing in the General Information Section. (e.g., NAMED16932*)

JA, JC

MATL	D	MATERIAL

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

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., MATLDST0000*; MATLDBR0000$$DST0000*)

JB #

AJQE	D	MATERIAL TRANSPARENCY

Definition: THE ABILITY OF THE MATERIAL TO TRANSMIT LIGHT AND ALLOW VISUAL PERCEPTION.

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

REPLY CODE	REPLY (AF93)
AE	OPAQUE
AJ	TRANSPARENT

JA

BRRT	D	TEMP CONVERSION SCALE

Definition: AN INDICATION OF WHETHER OR NOT A TEMPERATURE CONVERSION SCALE IS INCLUDED.

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

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

JB #

APSK	J	SCALE RANGE

Definition: AN INDICATION OF THE SCALE RANGE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric values, separated by a slash. Precede positive values with a P. (e.g., APSKJDAP0.0/P450.0*)

REPLY CODE	REPLY (AJ20)
BE	CENTIMETERS
DA	METERS
EJ	MILLILITERS
DG	MILLIMETERS

JB #, JC

AWAG	J	SCALE SMALLEST INCREMENT

Definition: THE SMALLEST VALUE BETWEEN THE MARKINGS ON A SCALE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWAGJAM0.250*)

REPLY CODE	REPLY (AG67)
BC	INCHES
AM	MILLILITERS
HC	MILLIMETERS

ALL*

ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA1.000*; ABHPJLA25.4*; ABHPJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADUM J OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA1.000*; ADUMJLA25.4*; ADUMJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

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

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA1.000*; ABMKJLA25.4*; ABMKJAB2.495$$JAC2.503*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

JC*

ALGC	G	MOUNTING CONFIGURATION

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALGCGTWO 0.127 INCH DIAMETER MOUNTING HOLES SPACED 19 INCHES CENTER TO CENTER*)

SECTION: K

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 index appearing in the General Information Section. (e.g., NAMED19244*)

ALL

ALBY	D	USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

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

REPLY CODE	REPLY (AH21)
AMG	INTERFACIAL TENSION
AMH	SURFACE TENSION

ALL*

BSBJ	D	SCALE READING TYPE

Definition: INDICATES THE TYPE OF READING PROVIDED BY THE SCALE.

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

REPLY CODE	REPLY (AK54)
BZE	CONVERSION
BLB	DIRECT

ALL*

APSK	J	SCALE RANGE

Definition: AN INDICATION OF THE SCALE RANGE.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value, separated by a slash. Precede all values with a P. (e.g., APSKJHFP0.0/P110.0*)

REPLY CODE	REPLY (AJ20)
AS	DEGREES
HF	DYNES

ALL*

AWAG J SCALE SMALLEST INCREMENT

Definition: THE SMALLEST VALUE BETWEEN THE MARKINGS ON A SCALE.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWAGJHL0.1*)

REPLY CODE	REPLY (AG67)
CE	DEGREES
HL	DYNES

ALL

BBNL J VERNIER MIMIMUM READING

Definition: THE SMALLEST INCREMENT OF MEASURE REPRESENTED BY THE MARKINGS ON A VERNIER.

Reply Instructions: Enter the applicble Reply Code from the table below, followed by the numeric value to one decimal place. (e.g., BBNLJHL0.1*)

REPLY CODE	REPLY (AG67)
CE	DEGREES
HL	DYNES

ALL

BRRW D TORSION WIRE MATERIAL

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

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., BRRWDST0000*; BRRWDST0000$$DSTB000*)

ALL

BRRX D RING MATERIAL

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

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3. (e.g., BRRXDFB0000*; BRRXDFB0000$$DPC0000*)

ALL

BRRY J RING CIRCUMFERENCE

Definition: A MEASUREMENT OF THE EXTERNAL BOUNDARY OR SURFACE OF THE RING.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., BRRYJC4.000*)

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

ALL

AFJU D CARRYING CASE

Definition: AN INDICATION OF WHETHER OR NOT A CONTAINER FROM WHICH THE ITEM IS COMPLETELY REMOVABLE IN NORMAL OPERABLE CONDITION IS PROVIDED.

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

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

APP Key	MRC	Mode Code	Requirements
ALL*			
	AKYD	G	ACCESSORY COMPONENTS AND QUANTITY

Definition: THE NAME AND NUMBER OF PARTS SUPPLIED WITH THE ITEM WHICH MAY BE REQUIRED FOR APPLICATION.

Reply Instructions: Enter the reply in clear text. (e.g., AKYDGINSTRUCTION MANUAL 1*)

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements
ALL *			
	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 *

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,

APP Key	MRC	Mode Code	Requirements
			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

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*)

APP Key	MRC	Mode Code	Requirements

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

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

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

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

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1, 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*)

APP Key	MRC	Mode Code	Requirements
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.

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)

APP Key	MRC	Mode Code	Requirements
	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.

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*)

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. (e.g., ELRNGANN112036BIL060557LEN0313605UZ062365*)

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.

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.

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

REPLY CODE	REPLY (AD05)
CY	HARDENED

APP Key	MRC	Mode Code	Requirements
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: SUPPTECH

APP Key	MRC	Mode Code	Requirements
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.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB8.000*)

REPLY CODE	REPLY (AD42)
C	CUBIC CENTIMETERS
B	CUBIC INCHES

ALL

AWJN J UNPACKAGED UNIT WEIGHT

Definition: THE MEASURED WEIGHT OF AN ITEM UNENCUMBERED BY PACKAGING OR PACKING MATERIAL.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWJNJAS1.500*)

REPLY CODE	REPLY (AG67)
BA	GRAMS
AJ	KILOGRAMS
AS	POUNDS

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)

APP Key	MRC	Mode Code	Requirements
		AUA000	GOLD
		IRA000	IRIDIUM
		AZA000	OSMIUM
		PDA000	PALLADIUM
		PTA000	PLATINUM
		RHA000	RHODIUM
		RTA000	RUTHENIUM
		AGA000	SILVER

ALL

PMWT J PRECIOUS MATERIAL AND WEIGHT

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.

APP Key	MRC	Mode Code	Requirements

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

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

APP Key	MRC	Mode Code	Requirements
	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*)		
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

APP Key	MRC	Mode Code	Requirements
	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. (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-position Commercial and Government Entity (CAGE) 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., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)		
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 reply in clear text. (e.g., AGAVG3930-00-000-0000*; AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)		
ALL			

APP Key	MRC	Mode Code	Requirements
	PKQT	A	INTERMEDIATE PACKAGE QUANTITY

Definition: THE NUMBER OF WRAPS, BOXES, OR BUNDLES, WHICH CONTAINS TWO OR MORE UNITS OF ISSUE, PLACED INSIDE AN EXTERIOR CONTAINER.

Reply Instructions: Enter the quantity. (e.g., PKQTA24*)

ALL

EXQT	A	EXTERIOR CONTAINER QUANTITY

Definition: THE NUMBER OF UNITS OF ISSUE PLACED INSIDE THE EXTERIOR CONTAINER.

Reply Instructions: Enter the quantity. (e.g., EXQTA2*)

ALL

SUWT	J	UNIT OF ISSUE WEIGHT

Definition: THE MEASURED WEIGHT OF THE ACTUAL CONTAINER(S) OR SUPPORTING DEVICE(S) WHICH IS IN DIRECT CONTACT WITH THE ITEM AND ITS CONTENTS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., SUWTJLB4.50*; SUWTJKG2.04*)

REPLY CODE	REPLY (AN75)
KG	KILOGRAMS
LB	POUNDS

ALL

ECWT	J	EXTERIOR CONTAINER WEIGHT

Definition: THE MEASURED WEIGHT OF THE EXTERIOR CONTAINER.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., ECWTJLB8.00*; ECWTJKG3.63*)

REPLY CODE	REPLY (AN75)
KG	KILOGRAMS
LB	POUNDS

APP Key	MRC	Mode Code	Requirements

ALL

SUCB J UNIT OF ISSUE CUBE

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

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., SUCBJCF9.00*; SUCBJCM1.50*)

REPLY CODE	REPLY (AN76)
CF	CUBIC FEET
CM	CUBIC METERS

ALL

EXME J EXTERIOR CONTAINER CUBIC MEASURE

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

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., EXMEJCF12.00*; EXMEJCM36.75*)

REPLY CODE	REPLY (AN76)
CF	CUBIC FEET
CM	CUBIC METERS

ALL

EPPC D ENVIRONMENTALLY PREFERRED PRODUCT CERTIFICATION TYPE

Definition: INDICATES THE TYPE OF CERTIFICATION INDICATING THE ITEM IS AN ENVIRONMENTALLY PREFERRED PRODUCT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., EPPCDAB*; EPPCDAA$$DAB*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (EN01)
AA	THIRD PARTY CERTIFICATION
AB	UNVERIFIED SELF-CERTIFICATION

ALL

PTRM B TOTAL RECOVERED MATERIALS PERCENTAGE

Definition: THE PERCENTAGE OF THE TOTAL RECOVERED OR RECYCLED MATERIAL, FROM MANUFACTURING PROCESSES OR CONSUMER, INCLUDED IN THE ITEM.

Reply Instructions: Enter the numeric value. (e.g., PTRMB15.0*)

ALL

PPRM B POST-CONSUMER RECOVERED MATERIALS PERCENTAGE

Definition: THE PERCENTAGE OF THE POST-CONSUMER RECOVERED OR RECYCLED MATERIAL INCLUDED IN THE ITEM.

Reply Instructions: Enter the numeric value. (e.g., PPRMB12.0*)

ALL

ENVA D ENVIRONMENTAL ATTRIBUTE

Definition: THE SPECIFIC ATTRIBUTE OF THE ITEM THAT QUALIFIES IT AS AN ENVIRONMENTALLY PREFERABLE PRODUCT.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ENVADAAG*; ENVADAAG$$DAAV*)

REPLY CODE	REPLY (EN00)
AAG	CONTAINS RECYCLED MATERIAL
AAV	REMANUFACTURED

ALL

CXCY G PART NAME ASSIGNED BY CONTROLLING AGENCY

APP Key	MRC	Mode Code	Requirements
	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*)		

Reply Tables

Table 1 - NONDEFINITIVE SPEC/STD DATA 98
Table 2 - DESIGN DESIGNATIONS 100
Table 3 - MATERIALS 100

Table 1 - NONDEFINITIVE SPEC/STD DATA

NONDEFINITIVE 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
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
ML	MATERIAL
MH	MESH
ME	METHOD
MD	MODEL

REPLY CODE	REPLY (AD08)
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
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 2 - DESIGN DESIGNATIONS

DESIGN DESIGNATIONS

REPLY CODE	REPLY (AJ50)
BPJ	ADAMS
A	ANY ACCEPTABLE
BPK	DRABKEN
BPL	ESBACH
BPM	HADEN-HOUSER
BPN	MICRO
BPP	SAHLI
BPQ	SCHIAETZ
BPR	SPENCER HB
BPS	SQUIBB
BPT	VOGEL

Table 3 - MATERIALS

MATERIALS

REPLY CODE	REPLY (AD09)
ALC000	ALUMINUM
A	ANY ACCEPTABLE
BR0000	BRASS
FB0000	FIBER
GS0000	GLASS
GSAAR0	GLASS, OPAL
GSAJ00	GLASS, WHITE OPAL
WDAE00	HARDWOOD
FE0000	IRON
HG0000	MERCURY
ME0000	METAL
NC0000	NICKEL COPPER ALLOY (Monel)
PF0000	PAPER
PC0000	PLASTIC
PTC000	PLATINUM-IRIDIUM
RC0000	RUBBER
ST0000	STEEL
STB000	STEEL, CORROSION RESISTING
STD000	STEEL, STAINLESS
WD0000	WOOD

Reference Drawing Groups

No table of contents entries found.

Technical Data Tables

OUNCE TO DECIMAL OF A POUND CONVERSION CHART 104

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

FIIG Change List

FIIG Change List, Effective May 7, 2010

This change replaced with ISAC or and/or coding.