



DEFENSE LOGISTICS AGENCY  
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August 08, 2019

MEMORANDUM FOR FEDERAL CATALOGING COMMITTEE (FCC) MEMBERS

SUBJECT: Proposed Cataloging Data Change (PCDC) 0018, Addition of New Units of Measure Parts Per Million and Percent Weight and Unit of Issue Sleeve (Cataloging/Supply/Contract Administration)

We are forwarding the attached proposed change to Cataloging Data and Transaction Standards (CDTS), Volumes 10, Table 81, Unit of Measurement Designations, and Table 53, Unit of Issue Code, for evaluation and submission of a single coordinated Federal Cataloging Committee (FCC) position. It is the responsibility of the FCC Chair/Secretariat to ensure full coordination of the proposal. **Joint implementation of this change is required.**

Request you review the attached proposed change and provide your coordinated comments/concurrence to the Enterprise Business Standards Office (EBSO) no later than **30** days from the date of this memorandum. Concurrence includes acceptance of joint implementation 30 days from signature of the memorandum for ACDC 0018. If you non-concur, please provide an alternate method to meet the requirements being addressed. If the target implementation date can't be met, provide a feasible implementation date.

Addressees may direct questions to the EBSO Cataloging Data Standards (CDS) Team at [EBSO.CDS@dla.mil](mailto:EBSO.CDS@dla.mil). All others may contact the FCC Chair/Secretariat at [FederalCatalogCommittee@dla.mil](mailto:FederalCatalogCommittee@dla.mil).

DREXEL K. ROSS  
Acting Director  
Enterprise Business Standards Office

Attachment  
As stated

cc:  
FCC Secretariat

# Attachment to PCDC 0018/PDC 1348

## Addition of New Units of Measure

### Parts Per Million and Percent Weight and

### Unit of Issue Sleeve

## 1 ADMINISTRATIVE INFORMATION

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*NOTE: Following proposed change requires full coordination with the Federal Cataloging Committee (FCC) as well as the Supply Process Review Committee (SPRC) for successful implementation.*

*Coordinated responses must include concurrence/non-concurrence of the proposed change as well as concurrence/non-concurrence with the target implementation date.*

*The Enterprise Business Standards Office (EBSO) will staff proposed changes with the FCC under Proposed Cataloging Data Change (PCDC) 0018, and with the SPRC under Proposed Defense Logistics Management Standards Change (PDC) 1348.*

### 1.1 ORIGINATING SERVICE/AGENCY:

US Navy, Environmental Logistics (Unit of Measures)  
Defense Logistics Agency (DLA) (FLIS Unit of Issue)

### 1.2 POINT OF CONTACT:

US Navy: Mary Q. Hammerer, [Mary.Hammerer@navy.mil](mailto:Mary.Hammerer@navy.mil), (301) 342-6526  
DLA: Chris Asselin, [Christopher.Asselin@dla.mil](mailto:Christopher.Asselin@dla.mil), (296) 961-4882, for DLA Troop Support, Medical Directorate

## 2 IMPACT

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### 2.1 TARGET SYSTEM IMPLEMENTATION DATE

- The Defense Automatic Addressing System (DAAS) provided a target implementation date of **30 days from signature date of the memo approving this change** (then ACDC 0018/ADC 1348).
- This change requires **joint implementation**.

### 2.2 AFFECTED PUBLICATIONS

<input checked="" type="checkbox"/>	Publications
X	DOD/ASC X12 Conversion Guide for Unit of Materiel Measure (Unit of Issue/Purchase Unit)
	Cataloging Data and Transaction Standards (CDTS), Volume 8, Document Identifier Codes (Input/Output Fixed Length)
	CDTS, Volume 9, Document Identifier Codes (Input/Output Variable Length)

<input checked="" type="checkbox"/>	<b>Publications</b>
X	CDTS, Volume 10, Cataloging Data Element or Dictionary
	CDTS, Volume 11, Federal Logistics Information System (FLIS) Edits and Validations
	CDTS, Volume 12, Standard Federal Supply Class (FSC) Data
	CDTS, Volume 13, Major Organizational Entity (MOE) Rule Data
	Cataloging Transaction
	General Cataloging Data Standard

## 2.3 AFFECTED SYSTEMS

<input checked="" type="checkbox"/>	<b>Systems Requiring Change</b>
	Characteristics / Taxonomy
	eCAT
X	FLIS
	FLIS Portfolio Workbench (FPW)
	Provisioning Module
	WebFLIS
X	Other (Service/Agency Systems) <i>Defense Automatic Addressing System, Service/Agency Systems</i>

## 2.4 AFFECTED FEDERAL LOGISTICS INFORMATION SYSTEM TABLES

- FLIS DB2 Table 276, U\_OF\_MEASURE\_DESIG (see [Enclosure 3](#))  
Associated with CDTS, Volume 10, Table 81, Unit of Measurement Designations.
- FLIS DB2 Table 312, UNIT\_OF\_ISSUE\_CD (see [Enclosure 4](#))  
Associated with CDTS, Volume 10, Table 53, Unit of Issue Codes.

# 3 REQUESTED CHANGE

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## 3.1 BRIEF OVERVIEW OF CHANGE

This change proposes the addition of Parts Per Million and Percent Weight as new units of measure to Cataloging Data and Transaction Standards (CDTS), Volume 10, Table 81, Unit of Measure Designations, and the corresponding Federal Logistics Information System (FLIS) DB2 table.

The DOD/ASC X12 Conversion Guide for Unit of Materiel Measure (Unit of Issue/Purchase Unit) only requires the addition of Percent Weight as a new unit of measure. Parts Per Million is present already in the conversion guide.

This change further proposes the addition of Sleeve as a unit of issue (UI) to CDTS, Volume 10, Table 53, Unit of Issue Codes, and the corresponding FLIS DB2 table.

Sleeve is present already in the DOD/ASC X12 Conversion Guide for Unit of Materiel Measure (Unit of Issue/Purchase Unit).

## 3.2 REQUESTED CHANGE IN DETAIL

### 3.2.1 Units of Measure Parts Per Million (Cataloging Only) and Percent Weight (Cataloging and Supply)

Defense acquisition program offices procure large amounts of hazardous materials data in stand-alone databases. Logistics Product Data (LPD) collects this hazardous materials data and loads it in FLIS during the cataloging process.

Federal Standard 313F (FED-STD-313F), Material Safety Data, Transportation Data, and Disposal Data for Hazardous Materials Furnished to Government Activities, October 12, 2018, requires contractors to identify hazardous materials in end items and to submit Safety Data Sheets of the individual hazardous materials in the end item or as specified in the contract (e.g. LPD).

SAE International<sup>1</sup> is currently updating GEIA-STD-0007, Logistics Product Data, with a Hazardous Substance entity to improve identification of hazardous material in defense weapon systems. Four of the GEIA-STD-0007 data elements associated with the new entity are the substance mass fields. One of those fields, the "Substance Mass Unit of Measure" (GEIA-STD-0007 Data Element 5720) is defined as "The UM, as defined in Federal Logistics Information System (FLIS) Procedures, Volume 10, Table 81."

IPC<sup>2</sup>-1754 WAM 1, Materials and Substances Declaration for Aerospace and Defense and Other Industries, establishes the requirements for data exchange between suppliers and their customers pertaining to chemical substances that may be present in materials, used in production, operations, maintenance, repair, or overhaul/refurbishment of supplied products or subproducts. IPC-1754 defines units of measure for material mass as milligram (mg), gram (g), kilogram (kg), parts per million (ppm), and mass percent (%).

Proper alignment of Cataloging and Supply data interchange with the above outlined mass data requirements necessitates units of measure Parts Per Million and Percent Weight to be present in both Cataloging and Supply code lists. X12 Data Element 355, Unit or Basis for Measurement Code, supports already both units of measure with Code 59 for Parts Per Million, and Code 60 for Percent Weight.

This change proposes to add Parts Per Million (Code 59) and Percent Weight (Code 60) to CDTS, Volume 10, Table 81, Unit of Measure Designations, as well as to the corresponding FLIS DB2 Table 276, U\_OF\_MEASURE\_DESIG.

This change further proposes to add Percent Weight (Code 60) to the DOD/ASC X12 Conversion Guide for Unit of Materiel Measure (Unit of Issue/Purchase Unit). DOD and X12 codes are identical. Approved Defense Logistics Management Standards Change (ADC) 1131, already documented the addition of Parts Per Million (Code 59) to the conversion guide.

### 3.2.2 Unit of Issue Sleeve (Cataloging Only)

ADC 1188, Alignment of DOD/ASC X12 Conversion Guides for Type of Pack, Transportation Method/Type Code, and Unit of Materiel Measure (Unit of Issue/Purchase Unit), documented the addition of Sleeve as a unit of issue to the DOD/ASC X12 Conversion Guide for Unit of Materiel Measure (Unit of Issue/Purchase Unit) as requested by DLA. The Medical Supply Chain encountered problems processing

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<sup>1</sup> SAE International, initially established as the Society of Automotive Engineers, is a U.S.-based, globally active professional association and standards developing organization for engineering professionals in various industries.

<sup>2</sup> ICP, the Association Connecting Electronics Industries, initially established in 1957 as the Institute for Printed Circuits, is a globally active standards developing organization publishing the most widely used acceptability standards in the electronics industry.

certain materiel coming from the Army Medical Material Agreement (AMMA) program that utilize the term Sleeve (e.g., a sleeve of 100 cups), requiring a large amount of manual revisions on DLA’s part.

ADC 1188 assigned DOD Code YS and mapped it to X12 Code SL for Sleeve. Because FLIS already uses Code SL for the Unit of Issue Spool, YS was selected as the DOD code for Sleeve to avoid mapping issues. Code YS is not in use under X12 Data Element 355, Unit or Basis for Measurement Code.

This change proposes the addition of Sleeve (DOD Code YS) to CDTS, Volume 10, Table 53, Unit of Issue Codes, as well as to the corresponding FLIS DB2 Table 312, UNIT\_OF\_ISSUE\_CD.

### 3.3 REASON FOR CHANGE

**3.3.1 Units of Measure Parts Per Million (Cataloging Only) and Percent Weight (Cataloging and Supply)**  
 Proper alignment of Cataloging and Supply data interchange with mass data requirements for hazardous material necessitates units of measure Parts Per Million and Percent Weight to be present in both Cataloging and Supply code lists.

**3.3.2 Unit of Issue Sleeve (Cataloging Only)**  
 Adding Unit of Issue Sleeve (DOD Code YS) to CDTS, Volume 10, Table 53 and the corresponding FLIS DB2 table will eliminate the need for manual revisions by DLA when processing certain materiel coming from the AMMA program that utilize the term Sleeve.

### 3.4 REVISIONS IN DETAIL

This change affects Cataloging Data and Transaction Standards (CDTS), Volume 10, Federal Logistics Information System (FLIS) DB2 tables, as well as the DOD/ASC X12 Conversion Guide for Unit of Materiel Measure (Unit of Issue/Purchase Unit). Below table identifies the enclosures depicting the detailed changes.

Revisions Apply To	Domain	Proposed Change	Enclosure
CDTS, Volume 10, Table 81, Unit of Measure Designations	Cataloging	Add Parts Per Million (Code 59) Add Percent Weight (Code 60)	<a href="#">1</a>
CDTS, Volume 10, Table 53, Unit of Issue Codes	Cataloging	Add Sleeve (DOD Code YS)	<a href="#">2</a>
FLIS DB2 Table 276, U_OF_MEASURE_DESIG	Cataloging	Add Parts Per Million (Code 59) Add Percent Weight (Code 60)	<a href="#">3</a>
FLIS DB2 Table 312, UNIT_OF_ISSUE_CD	Cataloging	Add Sleeve (DOD Code YS)	<a href="#">4</a>
DOD/ASC X12 Conversion Guide for Unit of Materiel Measure (Unit of Issue/Purchase Unit)*	Supply	Add Percent Weight (Code 60)	<a href="#">5</a>

*\*NOTE: EBSO assumes the Supply Process Review Committee (SPRC) will approve Proposed DLMS Change (PDC) 1188A, Proposed Addendum to ADC 1188, Address Mapping Issues for the Code for Service in the Unit of Issue/Unit of Measure Conversion Guide (Unit of Issue/Purchase Unit), June 6, 2019. PDC 1188A proposes to modify the mapping of Unit of Issue Service (DOD Code SV) to a proposed X12 Code of SO (S-zero). Enclosure 5 reflects this assumption.*

# ENCLOSURE 1

## REVISIONS TO CATALOGING DATA AND TRANSACTION STANDARDS, VOLUME 10, TABLE 81

Changes are identified by ***bold red italic*** and double strikethrough text.

**TABLE 81**  
**UNIT OF MEASUREMENT DESIGNATIONS**

A table of measurement terms and designations authorized to be used in conjunction with unit of measure of related National Stock Number (NSN) and quantitative expression required as the result of the application of Phrase Codes K (unit of issue contains (Qty) (U/M)), and Q (fabricate or assemble) in Catalog Management Data transactions.

DESIGNATION	TERM A
BF	Board Foot
BQ	Briquet
AV	Capsule
KR	Carat
CG	Centigram
CM	Centimeter
CC	Cubic Centimeter
CF	Cubic Foot
CI	Cubic Inch
CZ	Cubic Meter
CD	Cubic Yard
CU	Curie
B7	Cycle
DC	Decagram
DG	Decigram
DL	Deciliter
DE	Decimeter
DZ	Dozen
DM	Dram
EA	Each
EX	Exposure
FO	Fluid Ounce
FD	Fold
FT	Foot
FR	Frame
GL	Gallon
GI	Gill
GN	Grain
GM	Gram
GG	Great Gross
GR	Gross
HD	Hundred
HF	Hundred Feet
HP	Hundred Pounds
HS	Hundred Square Feet
HW	Hundred Weight
HY	Hundred Yards
IN	Inch
KG	Kilogram
KM	Kilometer
KT	Kit
LF	Linear Foot
LI	Liter

DESIGNATION	TERM A
MR	Meter
MI	Mile
MG	Milligram
ML	Milliliter
MM	Millimeter
OZ	Ounce
PR	Pair
<b><i>59</i></b>	<b><i>Parts Per Million</i></b>
PX	Pellet
DW	Pennyweight
<b><i>60</i></b>	<b><i>Percent Weight</i></b>
PI	Pillow
PT	Pint
LB	Pound
QT	Quart
RA	Ration
RM	Ream
RD	Round
SE	Set
SH	Sheet
SO	Shot
SK	Skein
SQ	Square
SF	Square Foot
SI	Square Inch
SM	Square Meter
SY	Square Yard
AR	Suppository
SZ	Syringe
TT	Tablet
MX	Thousand
MC	Thousand Cubic Ft
MF	Thousand Feet
RX	Thousand Rounds
TN	Ton (2,000 lb)
FG	Transdermal System
TO	Troy Ounce
US	U.S.P. Unit
YD	Yard

NOTE: See volume 12, DRNs 0107 and 8575 for format and definition, and table 53 for quantitative expression requirement

## ENCLOSURE 2

### REVISIONS TO CATALOGING DATA AND TRANSACTION STANDARDS, VOLUME 10, TABLE 53

Changes are identified by ***bold red italic*** and double strikethrough text.

**TABLE 53**  
**UNIT OF ISSUE CODES**

A table of Unit of Issue terms/designations authorized for assignment to items of supply.

CODE	TERM	DESIGNATIONS REFERENCED TO TERMS DEFINITION
AM	*Ampoule	A small glass or plastic tube sealed by fusion after filling.
AT	Assortment	A collection of a variety of items that fall into a category or class packaged as a small unit constituting a single item of supply. Use only when the term "assortment" is a part of the item name.
AY	Assembly	A collection of parts assembled to form a complete unit, constituting a single item of supply, e.g., hose assembly. Use only when the term "assembly" is a part of the item name.
BA	*Ball	A spherical-shaped mass of material such as twine or thread.
BD	*Bundle	A quantity of the same item tied together without compression.
BE	*Bale	A shaped unit of compressible materials bound with cord or metal ties and usually wrapped, e.g., paper and cloth rags.
BF	Board Foot	A unit of measure for lumber equal to the volume of a board 12" X 12" X 1".
BG	*Bag	A flexible container of various sizes and shapes which is fabricated from such materials as paper, plastic or textiles. Includes "sack" and "pouch".
BK	*Book	A book-like package, such as labels or tickets, fastened together along one edge, usually between protective covers.
BL	*Barrel	A cylindrical container, metal or wood, with sides that bulge outward and flat ends or heads of equal diameter. Includes "keg".
BO	*Bolt	A flat fold of fabric having a stiff paperboard core.
BR	*Bar	A solid piece or block of various materials, with its length greater than its other dimensions, e.g., solder. Not applicable to items such as soap, beeswax, buffing compound.
BT	*Bottle	A glass, plastic, or earthenware container of various sizes, shapes, and finishes such as jugs but excluding jars, ampoules, vials, and carboys, with a closure for retention of contents.
BX	*Box	A rigid, three-dimensional container of various sizes and material. Includes "carton", "tray" and "crate".
CA	*Cartridge	Usually a tubular receptacle containing loose or pliable material and designed to permit ready insertion into an apparatus for dispensing the material. Usually associated with adhesives and sealing compounds.
CB	*Carboy	A heavy duty, bottle-type container used for transportation and storage of liquids. Usually designed to be encased in a rigid protective outer container for shipment.
CD	Cubic Yard	A unit of cubic measure.
CE	*Cone	A cone-shaped mass of material wound on itself such as twine or thread, wound on a conical core.
CF	Cubic Foot	A unit of cubic measure.
CK	*Cake	A block of compacted or congealed matter. Applicable to such items as soap, buffing compound.
CL	*Coil	An arrangement of material such as wire, rope and tubing wound in a circular shape.
CM	Centimeter	A unit of linear measure, equal to 1/100 of a meter.
CN	*Can	A rigid receptacle have made of fiber, metal, plastic or a combination thereof. Cans may be cylindrical or any number of irregular shapes. Restricted to items, which cannot be issued in less than container quantity. Includes "pail" and "canister". Do not use when the packaged quantity equates to a unit of measure, i.e., pint, quart, gallon, ounce or pound.

CODE	TERM	DESIGNATIONS REFERENCED TO TERMS DEFINITION
CO	*Container	A general term for use only when an item is permitted to be packaged for issue in optional containers, e.g., bottle or tube for a single National Stock Number.
CS	Case	A non-specific term for a shipping container. Unless the term is properly qualified, the term case standing alone may lead to a misunderstanding. (1) in domestic commerce, a case usually refers to a box made from corrugated or solid fiberboard, wood, and or metal. (2) in maritime or export usage, case refers to a wooden or metal box. (3) the term case may also be used to refer to a fixed quantity or unit packages as commonly accepted for specific products.
CY	*Cylinder	A rigid, cylindrical, metal container designed as a portable container for storage and transportation of compressed gasses, generally equipped with protected valve closure and pressure relief safety device.
CZ	Cubic Meter	A unit of cubic measure expressed in the metric system of measurement. Limited in application to locally assigned stock numbers used in the local procurement of items such as ready-mix concrete and asphalt in oversea areas where the metric system prevails.
DR	Drum*	A cylindrical container designed as an exterior pack for storing and shipping bulk materials, e.g., fuels, chemicals, powders, etc. Drums may be made of metal, rubber, polyethylene or plywood, or fiber with wooden, metal or fiber ends.
DZ	Dozen	Twelve (12) of an item of supply.
EA	Each	A numeric quantity of one item of supply. Do not use if a more specific term applies, such as kit, set, assortment, assembly, group, sheet, plate, strip or length
FT	Foot	Unit of linear measurement sometimes expressed as "linear foot".
FV	Five	Five (5) of an item.
FY	Fifty	Fifty (50) of an item
GL	Gallon	Unit of liquid measurement.
GP	Group	A collection of related items issued as a single item of supply, e.g., test set group. Use only when the term "group" is a part of the item name.
GR	Gross	One hundred forty-four (144) of a group.
HD	Hundred	One hundred (100) of an item.
HK	*Hank	A loop of yarn or roping, containing definite yardage, e.g., cotton, 840 yards; worsted, 560 yards. See "skein" for comparison.
IN	Inch	Unit of linear measurement, equivalent to 1/12 of a foot and sometimes expressed as "linear inch".
JR	*Jar	A rigid container having a wide mouth and often no neck, typically made of earthenware or glass. Excludes "bottle".
KG	Kilogram	A unit of measure equal to 1000 grams.
KT	Kit	A collection of related items issued as a single item of supply, such as the tools, instruments, repair parts, instruction sheets and often supplies typically carried in a box or bag. Also includes selected collections of equipment components, tools, and/or materials for the repair, overhaul or modification of equipment. Use only when the term "kit" is a part of the item name.
KZ	Kilowatt-hour (KWH)	A measure of electrical energy equivalent to a power consumption of one thousand watts over 1 hour. Applicable to electricity.
K7	Kilowatt	A unit of electrical power equal to 1,000 watts. Applicable to electricity.
LB	Pound	A unit of avoirdupois weight measure equivalent to 16 ounces.
LG	*Length	Term applies to items issued in fixed or specific linear measurement, without deviation. This term no longer applies to random lengths, which will be expressed in definitive units of linear measure such as foot or yard. Excludes "strip".
LI	Liter	A unit of liquid measure expressed in the metric system of measurement.
LT	Lot	A collection of associated or miscellaneous articles sold as one unit.
MC	Thousand Cubic Feet	A unit of cubic measure expressed in one thousand (1,000) increments.
ME	Meal	The measure of food generally taken by an individual at one time.
MM	Millimeter	A unit of linear measure, equal to 1/1000 of a meter.
MR	Meter	A unit of linear measure expressed in the metric system of measurement, equivalent to 39.37 inches.
MX	Thousand	One thousand (1,000) of an item.
OT	Outfit	A collection of related items issued as a single item of supply, such as the tools, instruments, materials, equipment, and/or instruction manual(s) for the practice of a trade or profession or for the carrying out of a particular project or function. Use only when the term "outfit" is a part of the item name.
OZ	Ounce	A unit of liquid or avoirdupois weight.



CODE	TERM	DESIGNATIONS REFERENCED TO TERMS DEFINITION
PD	*Pad	Multiple sheets of paper that are stacked together and fastened at one end by sealing.
PG	*Package	A form of protective wrapping for two or more of the same item of supply. To be used only when a unit of measure or container type term is not applicable. Includes "envelope".
PM	Plate	A flat piece of square or rectangular-shaped metal of uniform thickness, usually 1/4 inch or more. Use only when "plate" (Federal Supply Classes (FSCs) 9515 and 9535) is used in an item name to denote shape.
PR	Pair	Two similar corresponding items, e.g., gloves, shoes, bearings; or items integrally fabricated of two corresponding parts, e.g., trouser, shears, goggles.
PT	Pint	A unit of liquid or dry measure.
PZ	*Packet	A container used for subsistence items. Use only when "food packet" is part of the item name (Federal Supply Group (FSG) 89).
QT	Quart	A unit of liquid or dry measure.
RA	Ration	The food allowance of one person for one day. Use only when "ration" (FSC 8970) is a part of the item name.
RL	*Reel	A cylindrical core on which a flexible material, such as wire or cable, is wound. Usually has flanged ends.
RM	Ream	A quantity of paper varying from 480 to 516 sheets, depending upon grade.
RO	*Roll	A cylindrical configuration of flexible material which has been rolled on itself such as textiles, tape, abrasive paper, photosensitive paper and film, and may utilize a core with or without flanges.
SD	*Skid	A pallet-like platform consisting of a load-bearing area fastened to and resting on runner type supports.
SE	Set	A collection of matched or related items issued as a single item of supply, i.e., tool sets, instrument sets, and matched sets. Use only when the term "set" is a part of the item name.
SF	Square Foot	A unit of square measure (area).
SH	Sheet	A flat piece of rectangular-shaped material of uniform thickness that is very thin in relation to its length and width, such as metal, plastic, paper and plywood. Use of this term is not limited to any group of items or FSCs. However, it will always be applied when "sheet" is used in the item name to denote shape, e.g., aluminum alloy sheet, except items in FSC 7210.
SK	Skein	A loop of yarn 120 yards in length, usually wound on a 54-inch circular core. See "hank" for comparison.
SL	*Spool	A cylindrical form with an edge or rim at each end and an axial hole for a pin or spindle on which a flexible material such as thread or wire is wound.
SO	Shot	A unit of linear measurement usually applied to anchor chain; equivalent to 15 fathoms (90 ft.).
SP	*Strip	A relatively narrow, flat length of material, uniform in width, such as paper, wood and metal. Use only when the term "strip" is a part of the item name.
SV	Service	The purchase of employment, or defining of work to be done.
SX	*Stick	Material in a relatively long and slender, often cylindrical form for ease of application or use, e.g., abrasives.
SY	Square Yard	A unit of square measure (area).
TD	Twenty-four	Twenty-four (24) of an item.
TE	Ten	Ten (10) of an item.
TF	Twenty-Five	Twenty-five (25) of an item.
TN	Ton	The equivalent of 2000 lbs. Includes short ton and net ton.
TO	Troy Ounce	A unit of troy weight measure, based on 12-ounce pound, generally applied to weights of precious metals.
TS	Thirty-Six	Thirty-six (36) of an item.
TU	*Tube	Normally a squeeze-type container, most commonly manufactured from a flexible type material and used in packaging toothpaste, shaving cream, and pharmaceutical products. Also applicable as form around which items are wound, such as thread. It is not applicable to mailing tube, pneumatic tube or cylindrical containers of a similar type.
T9	Megawatt-hr (TH-KWH)	A measure of electricity energy equivalent to a power consumption of one million watts over 1 hour. Applicable to electricity.
VI	*Vial	A small container which is cylindrical in shape and flat bottomed with a variety of neck finishes to accommodate any type of cap, cork or stopper.
YD	Yard	A unit of linear measure, equivalent to 3 feet and sometimes expressed as "linear yard"

CODE	TERM	DESIGNATIONS REFERENCED TO TERMS DEFINITION
<i>YS</i>	<i>*Sleeve</i>	<i>A protective flat or tubular packaging or cover fitting over or enclosing its contents.</i>
ZF	Dekatherm (DTH MBTU)	A measure of thermal heating value equivalent to one million british thermal units (BTU) or ten therms. Applicable to natural gas.

NOTES:

1. See Volume 12, DRNs 3050 and 8472.
2. Those terms preceded by an asterisk (\*) require quantitative expressions.

## ENCLOSURE 3

### REVISIONS TO FLIS DB2 TABLE 276 - U\_OF\_MEASURE\_DESIG

Changes are identified by ***bold red italic*** and double strikethrough text.

UNIT_MEAS_CD_0107	UNIT_MEAS_TRM_2347
BF	BOARD FOOT
BQ	BRIQUET
AV	CAPSULE
KR	CARAT
CG	CENTIGRAM
CM	CENTIMETER
CC	CUBIC CENTIMETER
CF	CUBIC FOOT
CI	CUBIC INCH
CZ	CUBIC METER
CD	CUBIC YARD
CU	CURIE
B7	CYCLE
DC	DECAGRAM
DG	DECIGRAM
DL	DECILITER
DE	DECIMETER
DZ	DOZEN
DM	DRAM
EA	EACH
EX	EXPOSURE
FO	FLUID OUNCE
FD	FOLD
FT	FOOT
FR	FRAME
GL	GALLON
GI	GILL
GN	GRAIN
GM	GRAM
GG	GREAT GROSS
GR	GROSS
HD	HUNDRED
HF	HUNDRED FEET
HP	HUNDRED POUNDS
HS	HUNDRED SQUARE FEET
HW	HUNDRED WEIGHT

UNIT_MEAS_CD_0107	UNIT_MEAS_TRM_2347
HY	HUNDRED YARDS
IN	INCH
KG	KILOGRAM
KM	KILOMETER
KT	KIT
LF	LINEAR FOOT
LI	LITER
MR	METER
MI	MILE
MG	MILLIGRAM
ML	MILLILITER
MM	MILLIMETER
OZ	OUNCE
PR	PAIR
<b><i>59</i></b>	<b><i>Parts Per Million</i></b>
PX	PELLET
DW	PENNYWEIGHT
<b><i>60</i></b>	<b><i>Percent Weight</i></b>
PI	PILLOW
PT	PINT
LB	POUND
QT	QUART
RA	RATION
RM	REAM
RD	ROUND
SE	SET
SH	SHEET
SO	SHOT
SK	SKEIN
SQ	SQUARE
SF	SQUARE FOOT
SI	SQUARE INCH
SM	SQUARE METER
SY	SQUARE YARD
AR	SUPPOSITORY
SZ	SYRINGE

UNIT_MEAS_CD_0107	UNIT_MEAS_TRM_2347
TT	TABLET
MX	THOUSAND
MC	THOUSAND CUBIC FT
MF	THOUSAND FEET
RX	THOUSAND ROUNDS

UNIT_MEAS_CD_0107	UNIT_MEAS_TRM_2347
TN	TON (2,000 LB)
FG	TRANSDERMAL SYSTEM
TO	TROY OUNCE
US	U.S.P. UNIT
YD	YARD

## ENCLOSURE 4

### REVISIONS TO FLIS DB2 TABLE 312 –UNIT\_OF\_ISSUE\_CD

Changes are identified by ***bold red italic*** and double strikethrough text.

UI_3050	SYM_ IND _3456	UI_TRM_5242	UI_DEF_5243
AM	*	AMPOULE	A SMALL GLASS OR PLASTIC TUBE SEALED BY FUSION AFTER FILLING.
AY		ASSEMBLY	A COLLECTION OF PARTS ASSEMBLED TO FORM A COMPLETE UNIT, CONSTITUTING A SINGLE ITEM OF SUPPLY, E.G., HOSE ASSEMBLY. USE ONLY WHEN THE TERM "ASSEMBLY" IS A PART OF THE ITEM NAME.
AT		ASSORTMENT	A COLLECTION OF A VARIETY OF ITEMS THAT FALL INTO A CATEGORY OR CLASS PACKAGED AS A SMALL UNIT CONSTITUTING A SINGLE ITEM OF SUPPLY. USE ONLY WHEN THE TERM "ASSORTMENT" IS A PART OF THE ITEM NAME.
BG	*	BAG	A FLEXIBLE CONTAINER OF VARIOUS SIZES AND SHAPES WHICH IS FABRICATED FROM SUCH MATERIALS AS PAPER, PLASTIC OR TEXTILES. INCLUDES `SACK' AND `POUCH'.
BE	*	BALE	A SHAPED UNIT OF COMPRESSIBLE MATERIALS BOUND WITH CORD OR METAL TIES AND USUALLY WRAPPED, E.G., PAPER AND CLOTH RAGS.
BA	*	BALL	A SPHERICAL-SHAPED MASS OF MATERIAL SUCH AS TWINE OR THREAD.
BR	*	BAR	A SOLID PIECE OR BLOCK OF VARIOUS MATERIALS, WITH ITS LENGTH GREATER THAN ITS OTHER DIMENSIONS, E.G., SOLDER. NOT APPLICABLE TO ITEMS SUCH AS SOAP, BEESWAX, BUFFING COMPOUND.
BL	*	BARREL	A CYLINDRICAL CONTAINER, METAL OR WOOD, WITH SIDES THAT BULGE OUTWARD AND FLAT ENDS OR HEADS OF EQUAL DIAMETER. INCLUDES `KEG'.
BF		BOARD FOOT	A UNIT OF MEASURE FOR LUMBER EQUAL TO THE VOLUME OF A BOARD 12" X 12" X 1".
BO	*	BOLT	A FLAT FOLD OF FABRIC HAVING A STIFF PAPERBOARD CORE.
BK	*	BOOK	A BOOK-LIKE PACKAGE, SUCH AS LABELS OR TICKETS, FASTENED TOGETHER ALONG ONE EDGE, USUALLY BETWEEN PROTECTIVE COVERS.
BT	*	BOTTLE	A GLASS, PLASTIC, OR EARTHENWARE CONTAINER OF VARIOUS SIZES, SHAPES, AND FINISHES SUCH AS JUGS BUT EXCLUDING JARS, AMPOULES, VIALS, AND CARBOYS, WITH A CLOSURE FOR RETENTION OF CONTENTS.
BX	*	BOX	A RIGID, THREE DIMENSIONAL CONTAINER OF VARIOUS SIZES AND MATERIAL. INCLUDES "CARTON", "TRAY", AND "CRATE".
BD	*	BUNDLE	A QUANTITY OF THE SAME ITEM TIED TOGETHER WITHOUT COMPRESSION.
CK	*	CAKE	A BLOCK OF COMPACTED OR CONGEALED MATTER. APPLICABLE TO SUCH ITEMS AS SOAP, BUFFING COMPOUND.
CN	*	CAN	A RIGID RECEPTACLE MADE OF FIBRE, METAL, PLASTIC, OR A COMBINATION THEREOF. CANS MAY BE CYLINDRICAL OR ANY

UI_3050	SYM_ IND_3456	UI_TRM_5242	UI_DEF_5243
			NUMBER OF IRREGULAR SHAPES. RESTRICTED TO ITEMS WHICH CANNOT BE ISSUED IN LESS THAN CONTAINER QUANTITY. INCLUDES "PAIL" AND "CANISTER". DO NOT USE WHEN THE PACKAGED QUANTITY EQUATES TO A UNIT OF MEASURE, I.E., PINT, QUART, GALLON, OUNCE, OR POUND.
CB	*	CARBOY	A HEAVY DUTY, BOTTLE-TYPE CONTAINER USED FOR TRANSPORTATION AND STORAGE OF LIQUIDS. USUALLY DESIGNED TO BE ENCASED IN A RIGID PROTECTIVE OUTER CONTAINER FOR SHIPMENT.
CA	*	CARTRIDGE	USUALLY A TUBULAR RECEPTACLE CONTAINING LOOSE OR PLIABLE MATERIAL AND DESIGNED TO PERMIT READY INSERTION INTO AN APPARATUS FOR DISPENSING THE MATERIAL. USUALLY ASSOCIATED WITH ADHESIVES AND SEALING COMPOUNDS.
CS	*	CASE	A NON-SPECIFIC TERM FOR A SHIPPING CONTAINER, UNLESS THE TERM IS PROPERLY QUALIFIED, THE TERM CASE STANDING ALONE MAY LEAD TO A MISUNDERSTANDING. (1) IN DOMESTIC COMMERCE, A CASE USUALLY REFERS TO A BOX MADE FROM CORRUGATED OR SOLID FIBERBOARD, WOOD, AND OR METAL. (2) IN MARITIME OR EXPORT USAGE, CASE REFERS TO A WOODEN OR METAL BOX. (3) THE TERM CASE MAY ALSO BE USED TO REFER TO A FIXED QUANTITY OF UNIT PACKAGES AS COMMONLY ACCEPTED FOR SPECIFIC PRODUCTS.
CM		CENTIMETER	A UNIT OF LINEAR MEASURE, EQUAL TO 1/100 OF A METER.
CL	*	COIL	AN ARRANGEMENT OF MATERIAL SUCH AS WIRE, ROPE, AND TUBING WOUND IN A CIRCULAR SHAPE.
CE	*	CONE	A CONE-SHAPED MASS OF MATERIAL WOUND ON ITSELF SUCH AS TWINE OR THREAD, WOUND ON A CONICAL CORE.
CO	*	CONTAINER	A GENERAL TERM FOR USE ONLY WHEN AN ITEM IS PERMITTED TO BE PACKAGED FOR ISSUE IN OPTIONAL CONTAINERS, E.G., BOTTLE OR TUBE FOR A SINGLE NATIONAL STOCK NUMBER.
CF		CUBIC FOOT	A UNIT OF CUBIC MEASURE.
CZ		CUBIC METER	A UNIT OF CUBIC MEASURE EXPRESSED IN THE METRIC SYSTEM OF MEASUREMENT. LIMITED IN APPLICATION TO LOCALLY ASSIGNED STOCK NUMBERS USED IN THE LOCAL PROCUREMENT OF ITEMS SUCH AS READY-MIX CONCRETE AND ASPHALT IN OVERSEA AREAS WHERE THE METRIC SYSTEM PREVAILS.
CD		CUBIC YARD	A UNIT OF CUBIC MEASURE.
CY	*	CYLINDER	A RIGID, CYLINDRICAL, METAL CONTAINER DESIGNED AS A PORTABLE CONTAINER FOR STORAGE AND TRANSPORTATION OF COMPRESSED GASSES, GENERALLY EQUIPPED WITH PROTECTED VALVE CLOSURE AND PRESSURE RELIEF SAFETY DEVICE.
ZF		DEKATHERM (DTH)MMBTU	A MEASURE OF THERMAL HEATING VALUE EQUIVALENT TO ONE MILLION BRITISH THERMAL UNITS (BTU) OR TEN THERMS. APPLICABLE TO NATURAL GAS.
DZ		DOZEN	TWELVE (12) OF AN ITEM OF SUPPLY.
DR	*	DRUM	A CYLINDRICAL CONTAINER DESIGNED AS AN EXTERIOR PACK FOR STORING AND SHIPPING BULK MATERIALS, E.G., FUELS, CHEMICALS, POWDERS, ETC. DRUMS MAY BE MADE OF METAL, RUBBER, POLYETHYLENE OR PLYWOOD, OR FIBRE WITH WOODEN, METAL, OR FIBRE ENDS.

UI_3050	SYM_ IND _3456	UI_TRM_5242	UI_DEF_5243
EA		EACH	A NUMERIC QUANTITY OF ONE ITEM OF SUPPLY. DO NOT USE IF A MORE SPECIFIC TERM APPLIES, SUCH AS KIT, SET, ASSORTMENT, ASSEMBLY, GROUP, SHEET, PLATE, STRIP, OR LENGTH.
FY		FIFTY	FIFTY (50) OF AN ITEM.
FV		FIVE	FIVE (5) OF AN ITEM.
FT		FOOT	UNIT OF LINEAR MEASUREMENT, SOMETIMES EXPRESSED AS 'LINEAR FOOT'.
GL		GALLON	UNIT OF LIQUID MEASUREMENT.
GR		GROSS	ONE HUNDRED FORTY-FOUR (144) OF AN ITEM.
GP		GROUP	A COLLECTION OF RELATED ITEMS ISSUED AS A SINGLE ITEM OF SUPPLY, E.G., TEST SET GROUP. USE ONLY WHEN THE TERM 'GROUP' IS A PART OF THE ITEM NAME.
HK	*	HANK	A LOOP OF YARN OR ROPING, CONTAINING DEFINITE YARDAGE, E.G., COTTON, 840 YARDS; WORSTED, 560 YARDS. SEE 'SKEIN' FOR COMPARISON.
HD		HUNDRED	ONE HUNDRED (100) OF AN ITEM.
IN		INCH	UNIT OF LINEAR MEASUREMENT, EQUIVALENT TO 1/12 OF A FOOT AND SOMETIMES EXPRESSED AS 'LINEAR INCH'.
JR	*	JAR	A RIGID CONTAINER HAVING A WIDE MOUTH AND OFTEN NO NECK, TYPICALLY MADE OF EARTHENWARE OR GLASS. EXCLUDES 'BOTTLE'.
KG		KILOGRAM	A UNIT OF MEASURE, EQUAL TO 1000 GRAMS.
K7		KILOWATT	A UNIT OF ELECTRICAL POWER EQUAL TO 1,000 WATTS. APPLICABLE TO ELECTRICITY.
KZ		KILOWATT-HOUR (KWH)	A MEASURE OF ELECTRICAL ENERGY EQUIVALENT TO A POWER CONSUMPTION OF ONE THOUSAND WATTS OVER 1 HOUR. APPLICABLE TO ELECTRICITY.
KT		KIT	A COLLECTION OF RELATED ITEMS ISSUED AS A SINGLE ITEM OF SUPPLY, SUCH AS THE TOOLS, INSTRUMENTS, REPAIR PARTS, INSTRUCTION SHEETS AND OFTEN SUPPLIES TYPICALLY CARRIED IN A BOX OR BAG. ALSO INCLUDES SELECTED COLLECTIONS OF EQUIPMENT COMPONENTS, TOOLS, AND/OR MATERIALS FOR THE REPAIR, OVERHAUL, OR MODIFICATION OF EQUIPMENT. USE ONLY WHEN THE TERM "KIT" IS A PART OF THE ITEM NAME.
LG	*	LENGTH	TERM APPLIES TO ITEMS ISSUED IN FIXED OR SPECIFIC LINEAR MEASUREMENT, WITHOUT DEVIATION. THIS TERM NO LONGER APPLIES TO RANDOM LENGTHS WHICH WILL BE EXPRESSED IN DEFINITIVE UNITS OF LINEAR MEASURE SUCH AS FOOT OR YARD. EXCLUDES "STRIP".
LI		LITER	A UNIT OF LIQUID MEASURE EXPRESSED IN THE METRIC SYSTEM OF MEASUREMENT.
LT		LOT	A COLLECTION OF ASSOCIATED OR MISCELLANEOUS ARTICLES SOLD AS ONE UNIT
ME		MEAL	THE MEASURE OF FOOD GENERALLY TAKEN BY AN INDIVIDUAL AT ONE TIME.
T9		MEGAWATT-HR (TH KWH)	A MEASURE OF ELECTRICAL ENERGY EQUIVALENT TO A POWER CONSUMPTION OF ONE MILLION WATTS OVER 1 HOUR. APPLICABLE TO ELECTRICITY.
MR		METER	A UNIT OF LINEAR MEASURE EXPRESSED IN THE METRIC SYSTEM OF MEASUREMENT, EQUIVALENT TO 39.37 INCHES.

UI_3050	SYM_ IND_3456	UI_TRM_5242	UI_DEF_5243
MM		MILLIMETER	A UNIT OF LINEAR MEASURE, EQUAL TO 1/1000 OF A METER.
OZ		OUNCE	A UNIT OF LIQUID OR AVOIRDUPOIS WEIGHT.
OT		OUTFIT	A COLLECTION OF RELATED ITEMS ISSUED AS A SINGLE ITEM OF SUPPLY, SUCH AS THE TOOLS, INSTRUMENTS, MATERIALS, EQUIPMENT, AND/OR INSTRUCTION MANUAL(S) FOR THE PRACTICE OF A TRADE OR PROFESSION OR FOR THE CARRYING OUT OF A PARTICULAR PROJECT OR FUNCTION. USE ONLY WHEN THE TERM "OUTFIT" IS A PART OF THE ITEM NAME.
PG	*	PACKAGE	A FORM OF PROTECTIVE WRAPPING FOR TWO OR MORE OF THE SAME ITEM OF SUPPLY. TO BE USED ONLY WHEN A UNIT OF MEASURE OR CONTAINER TYPE TERM IS NOT APPLICABLE. INCLUDES ``ENVELOPE'.
PZ	*	PACKET	A CONTAINER USED FOR SUBSISTENCE ITEMS. USE ONLY WHEN `FOOD PACKET' IS PART OF THE ITEM NAME (FEDERAL SUPPLY GROUP (FSG) 89).
PD	*	PAD	MULTIPLE SHEETS OF PAPER THAT ARE STACKED TOGETHER AND FASTENED AT ONE END BY SEALING.
PR		PAIR	TWO SIMILAR CORRESPONDING ITEMS, E.G., GLOVES, SHOES, BEARINGS; OR ITEMS INTEGRALLY FABRICATED OF TWO CORRESPONDING PARTS, E.G., TROUSER, SHEARS, GOGGLES.
PT		PINT	A UNIT OF LIQUID OR DRY MEASURE.
PM		PLATE	A FLAT PIECE OF SQUARE OR RECTANGULAR-SHAPED METAL OF UNIFORM THICKNESS, USUALLY 1/4 INCH OR MORE. USE ONLY WHEN 'PLATE' (FEDERAL SUPPLY CLASSES (FSCS) 9515 AND 9535) IS USED IN AN ITEM NAME TO DENOTE SHAPE.
LB		POUND	A UNIT OF AVOIRDUPOIS WEIGHT MEASURE EQUIVALENT TO 16 OUNCES.
QT		QUART	A UNIT OF LIQUID OR DRY MEASURE.
RA		RATION	THE FOOD ALLOWANCE OF ONE PERSON FOR ONE DAY. USE ONLY WHEN ``RATION' (FSC 8970) IS A PART OF THE ITEM NAME.
RM		REAM	A QUANTITY OF PAPER VARYING FROM 480 TO 516 SHEETS, DEPENDING UPON GRADE.
RL	*	REEL	A CYLINDRICAL CORE ON WHICH A FLEXIBLE MATERIAL, SUCH AS WIRE OR CABLE, IS WOUND. USUALLY HAS FLANGED ENDS.
RO	*	ROLL	A CYLINDRICAL CONFIGURATION OF FLEXIBLE MATERIAL WHICH HAS BEEN ROLLED ON ITSELF SUCH AS TEXTILES, TAPE, ABRASIVE PAPER, PHOTSENSITIVE PAPER AND FILM, AND MAY UTILIZE A CORE WITH OR WITHOUT FLANGES.
SV		SERVICE	THE PURCHASE OF EMPLOYMENT, OR DEFINING OF WORK TO BE DONE
SE		SET	A COLLECTION OF MATCHED OR RELATED ITEMS ISSUED AS A SINGLE ITEM OF SUPPLY, I.E., TOOL SETS, INSTRUMENT SETS, AND MATCHED SETS. USE ONLY WHEN THE TERM `SET' IS A PART OF THE ITEM NAME.
SH		SHEET	A FLAT PIECE OF RECTANGULAR-SHAPED MATERIAL OF UNIFORM THICKNESS THAT IS VERY THIN IN RELATION TO ITS LENGTH AND WIDTH, SUCH AS METAL, PLASTIC, PAPER, AND PLYWOOD. USE OF THIS TERM IS NOT LIMITED TO ANY GROUP OF ITEMS OR FSCS. HOWEVER, IT WILL ALWAYS BE APPLIED WHEN "SHEET" IS USED IN THE ITEM NAME TO DENOTE SHAPE, E.G., ALUMINUM ALLOY SHEET, EXCEPT ITEMS IN FSC 7210.



UI_3050	SYM_ IND_3456	UI_TRM_5242	UI_DEF_5243
SO		SHOT	A UNIT OF LINEAR MEASUREMENT, USUALLY APPLIED TO ANCHOR CHAIN; EQUIVALENT TO 15 FATHOMS (90 FT).
SK		SKEIN	A LOOP OF YARN 120 YARDS IN LENGTH, USUALLY WOUND ON A 54-INCH CIRCULAR CORE. SEE `HANK' FOR COMPARISON.
SD	*	SKID	A PALLET-LIKE PLATFORM CONSISTING OF A LOAD-BEARING AREA FASTENED TO AND RESTING ON RUNNER TYPE SUPPORTS.
<b>YS</b>	<b>*</b>	<b>SLEEVE</b>	<b>A PROTECTIVE FLAT OR TUBULAR PACKAGING OR COVER FITTING OVER OR ENCLOSING ITS CONTENTS.</b>
SL	*	SPOOL	A CYLINDRICAL FORM WITH AN EDGE OR RIM AT EACH END AND AN AXIAL HOLE FOR A PIN OR SPINDLE ON WHICH A FLEXIBLE MATERIAL SUCH AS THREAD OR WIRE IS WOUND.
SF		SQUARE FOOT	A UNIT OF SQUARE MEASURE (AREA).
SY		SQUARE YARD	A UNIT OF SQUARE MEASURE (AREA).
SX	*	STICK	MATERIAL IN A RELATIVELY LONG AND SLENDER, OFTEN CYLINDRICAL FORM FOR EASE OF APPLICATION OR USE, E.G., ABRASIVES.
SP	*	STRIP	A RELATIVELY NARROW, FLAT LENGTH OF MATERIAL, UNIFORM IN WIDTH, SUCH AS PAPER, WOOD, AND METAL. USE ONLY WHEN THE TERM "STRIP" IS A PART OF THE ITEM NAME.
TE		TEN	TEN (10) OF AN ITEM.
TS		THIRTY-SIX	THIRTY-SIX (36) OF AN ITEM.
MX		THOUSAND	ONE THOUSAND (1,000) OF AN ITEM.
MC		THOUSAND CUBIC FEET	A UNIT OF CUBIC MEASURE EXPRESSED IN ONE THOUSAND (1,000) INCREMENTS.
TN		TON	THE EQUIVALENT OF 2000 LBS. INCLUDES SHORT TON AND NET TON.
TO		TROY OUNCES	A UNIT OF TROY WEIGHT MEASURE, BASED ON 12 OUNCE POUND, GENERALLY APPLIED TO WEIGHTS OF PRECIOUS METALS.
TU	*	TUBE	NORMALLY A SQUEEZE-TYPE CONTAINER, MOST COMMONLY MANUFACTURED FROM A FLEXIBLE TYPE MATERIAL AND USED IN PACKAGING TOOTHPASTE, SHAVING CREAM, AND PHARMACEUTICAL PRODUCTS. ALSO APPLICABLE AS FORM AROUND WHICH ITEMS ARE WOUND, SUCH AS THREAD. IT IS NOT APPLICABLE TO MAILING TUBE, PNEUMATIC TUBE, OR CYLINDRICAL CONTAINERS OF A SIMILAR TYPE.
TF		TWENTY-FIVE	TWENTY-FIVE (25) OF AN ITEM.
TD		TWENTY-FOUR	TWENTY-FOUR (24) OF AN ITEM.
VI	*	VIAL	A SMALL CONTAINER WHICH IS CYLINDRICAL IN SHAPE AND FLAT BOTTOMED WITH A VARIETY OF NECK FINISHES TO ACCOMMODATE ANY TYPE OF CAP, CORK, OR STOPPER.
YD		YARD	A UNIT OF LINEAR MEASURE, EQUIVALENT TO 3 FEET AND SOMETIMES EXPRESSED AS "LINEAR YARD".

# ENCLOSURE 5

## REVISIONS TO UNIT OF MATERIEL MEASURE (UNIT OF ISSUE/PURCHASE UNIT) CONVERSION GUIDE

Changes are identified by ***bold red italic*** and double strikethrough text.

CODE:	*8
NAME:	<b>UNIT OF ISSUE AND PURCHASE UNIT CONVERSION GUIDE (UNIT OR BASIS FOR MEASUREMENT)</b>
ALIAS:	UNIT OF ISSUE AND PURCHASE UNIT CONVERSION GUIDE (UNIT OR BASIS FOR MEASUREMENT)
DEFINITION:	(1) THE DLMS CONTINUE TO SUPPORT THE LEGACY CODE STRUCTURE "UNIT OF ISSUE" USED IN THE DEFENSE LOGISTICS STANDARD SYSTEMS (DLSS). SPECIAL PROCESSING IS REQUIRED AT THE POINT OF INPUT TO CONVERT THE ASC X12 "UNIT OR BASIS FOR MEASUREMENT" CODE VALUE TO THE DLSS LEGACY CODE VALUE AND AT THE POINT OF OUTPUT TO CONVERT THE DLSS LEGACY CODE VALUE TO THE ASC X12 CODE VALUE. BOTH THE SENDER AND RECIPIENT MUST USE THE CONVERSION GUIDE. THE ASC X12 CODE VALUES BELOW ARE ASSIGNED UNDER DATA ELEMENT 355 "UNIT OR BASIS FOR MEASUREMENT CODE". (2) FOR PROCUREMENT DOMAIN USERS, SOME UNITS OF MEASURE HAVE BEEN DECLARED AS DESCRIPTIVE UNITS OF MEASURE; THEY ARE NOT TO BE USED IN ASSOCIATION WITH DELIVERABLE QUANTITIES IN A PROCUREMENT ACTION. USE OF DESCRIPTIVE UNITS OF MEASURE MUST NOT CONFLICT WITH THE UNIT OF ISSUE/UNIT OF MEASURE TABLES IN CATALOGING DATA AND TRANSACTION STANDARDS (CDTS) AND THE DOD/ASC X12 CONVERSION GUIDE VALUES LISTED BELOW. SEE THE DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT (DFARS) FOR REFERENCE ON ALLOWABLE UNITS OF MEASURE FOR DELIVERABLE LINE ITEMS (PGI 204.7103 CONTRACT LINE ITEMS).
REMARKS:	REFER TO DLM 4000.25, VOLUME 1 (C8.1.5) AND VOLUME 2 (C4.2.2.4). REFER TO: DEFENSE FEDERAL ACQUISITION REGULATION SUPPLEMENT (DFARS) (PGI 204.7103) CONTRACT LINE ITEMS (TO BE 204.1005 UPON MODIFICATION OF NEW LINE ITEM COVERAGE IN FAR 4.10).
SOURCE:	DEFENSE LOGISTICS MANAGEMENT STANDARDS (DLMS)
AVAILABLE FROM:	
ABSTRACT:	THIS TABLE CONTAINS ALL CORRECTIONS AND CHANGES MADE TO THE DOD/ANSI X12 CODES SINCE THE INITIAL PUBLICATION.
DATA CODE CHARACTERISTICS:	TYPE: ID MIN: <del>002</del> MAX: <del>0002</del>

DOD CODE	NAME/DEFINITION	X12 CODE	NOTES
05	LIFTS	05	
07	STRAND	07	
09	TIRE	09	
17	100 POUND DRUM	17	
18	55 GALLON DRUM	18	
19	TANK TRUCK	19	
20	20 FOOT CONTAINER	20	
21	40 FOOT CONTAINER	21	
43	SUPER BULK BAG	43	
44	500 KILOGRAM BULK BAG	44	
45	300 KILOGRAM BULK BAG	45	
46	25 KILOGRAM BULK BAG	46	

DOD CODE	NAME/DEFINITION	X12 CODE	NOTES
47	50 POUND BAG	47	
48	BULK CAR LOAD	48	
51	ACTUAL TONNES	51	
57	MESH	57	
58	NET KILOGRAMS	58	
59	PART PER MILLION	59	GenComm equivalent is PPM. <i>FLIS Unit of Measure.</i>
<b>60</b>	<b>PERCENT WEIGHT</b>	<b>60</b>	<b><i>FLIS Unit of Measure.</i></b>
61	PART PER BILLION	61	GenComm equivalent is PPB.
91	STOKES	91	
94	CURL UNITS	94	
95	20,000 GALLON TANKCAR	95	
96	10,000 GALLON TANKCAR	96	
97	10 KILOGRAM DRUM	97	
98	15 KILOGRAM DRUM	98	
1N	COUNT	1N	
1O	SEASON	1O	
1P	TANK CAR	1P	
1R	TRANSACTIONS	1R	
1X	QUARTER MILE	1X	
2D	SHIP SET	2D	X12 Version/Release 004030 Migration Code. Refer to ADC 1188.
2U	MEGAGRAM	2U	
2W	BIN	2W	
4A	BOBBIN	4A	
4B	CAP	4B	
4E	20-PACK	4E	
4F	100-PACK	4F	
4G	MICROLITER	4G	
5B	BATCH	5B	
5D	PROOF GALLONS	5D	X12 Version/Release 004030 Migration Code. Refer to ADC 1188.
5G	PUMP	5G	
5H	STAGE	5H	
5I	STANDARD CUBIC FOOT	5I	
7A	LANDINGS	7A	X12 Version/Release 007020 Migration Code. Refer to ADC 1188.
7C	FLIGHT HOURS	7C	X12 Version/Release 007020 Migration Code. Refer to ADC 1188.
8C	CORD	8C	
8D	DUTY	8D	
8P	PROJECT	8P	
8R	PROGRAM	8R	
8S	SESSION	8S	
9Y	FAMILY UNIT	9Y	X12 Version/Release 005030 Migration Code. Refer to ADC 1188.
AB	BULK PACK	AB	
AC	ACRE	AC	
AD	DRAM (MINIM)	UX	
AJ	COP	AJ	
AL	ACCESS LINES	AL	

DOD CODE	NAME/DEFINITION	X12 CODE	NOTES
AM	AMPOULE	AM	FLIS Unit of Issue. Requires a quantitative expression.
AO	APOTHECARY OUNCE	90	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
AP	APOTHECARY POUND	9A	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
AR	SUPPOSITORY	AR	FLIS Unit of Measure.
AS	APOTHECARY SCRUPLE	ZY	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
AT	ASSORTMENT	AS	FLIS Unit of Issue.
AV	CAPSULE	AV	FLIS Unit of Measure.
AW	POWDER-FILLED VIALS	AW	
AX	TWENTY	AX	
AY	ASSEMBLY	AY	FLIS Unit of Issue.
B0	BRITISH THERMAL UNITS (BTU'S) PER CUBIC FOOT	B0	
B1	BARREL, LIQUID	ZX	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
B2	BARREL, DRY	ZW	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
B3	BATTING POUND	B3	
B4	BARREL, IMPERIAL	B4	
B5	BILLET	B5	
B6	BUN	B6	
B7	CYCLE	B7	FLIS Unit of Measure.
B8	BOARD	B8	
B9	BATT	B9	
BA	BALL	AA	FLIS Unit of Issue. Requires a quantitative expression.
BB	BASS BOX	BB	
BC	BUCKET	BC	
BD	BUNDLE	BD	FLIS Unit of Issue. Requires a quantitative expression.
BE	BALE	BA	FLIS Unit of Issue. Requires a quantitative expression.
BF	BOARD FOOT	BF	FLIS Unit of Issue and Unit of Measure.
BG	BAG	BG	FLIS Unit of Issue. Requires a quantitative expression.
BH	BRUSH	BH	
BI	BELT	BT	
BJ	BAND	BJ	
BK	BOOK	BK	FLIS Unit of Issue. Requires a quantitative expression.
BL	BARREL	BR	FLIS Unit of Issue. Requires a quantitative expression.
BM	BEAM	BE	
BN	BULK	BN	
BO	BOLT	BM	FLIS Unit of Issue. Requires a quantitative expression.
BP	100 BOARD FEET	BP	

DOD CODE	NAME/DEFINITION	X12 CODE	NOTES
BQ	BRIQUET	9B	FLIS Unit of Measure. X12 Version Release 005020 Migration Code. Refer to ADC 1008.
BR	BAR	BI	FLIS Unit of Issue. Requires a quantitative expression.
BS	BASKET	BS	
BT	BOTTLE	BO	FLIS Unit of Issue. Requires a quantitative expression.
BU	BUSHEL (32 DRY QUARTS)	BU	
BV	BUSHEL, DRY IMPERIAL	BV	
BW	BASE WEIGHT	BW	
BX	BOX	BX	FLIS Unit of Issue. Requires a quantitative expression.
BY	BUNKS	B2	
BZ	BLOCK	BL	
C0	CALLS	C0	
C1	COMPOSITE PRODUCT POUNDS (TOTAL WEIGHT)	C1	
C2	SQUARE CENTIMETER	SC	
C3	COMBO	CZ	
C4	CARLOAD	C4	
C5	COST	C5	
C6	CELL	C6	
C7	CARSET	C2	
C8	CUBIC DECIMETER	C8	
C9	COIL GROUP	C9	
CA	CARTRIDGE	CQ	FLIS Unit of Issue. Requires a quantitative expression.
CB	CARBOY	CB	FLIS Unit of Issue. Requires a quantitative expression.
CC	CUBIC CENTIMETER	CC	FLIS Unit of Measure.
CD	CUBIC YARD	CY	FLIS Unit of Issue and Unit of Measure. GenComm equivalent is Y.
CE	CONE	CJ	FLIS Unit of Issue. Requires a quantitative expression.
CF	CUBIC FOOT	CF	FLIS Unit of Issue and Unit of Measure.
CG	CENTIGRAM	AF	FLIS Unit of Measure.
CH	CHAINS (LAND SURVEY)	X1	
CI	CUBIC INCH	CI	FLIS Unit of Measure.
CK	CAKE	KA	FLIS Unit of Issue. Requires a quantitative expression.
CL	COIL	CX	FLIS Unit of Issue. Requires a quantitative expression.
CM	CENTIMETER	CM	FLIS Unit of Issue and Unit of Measure.
CN	CAN	CN	FLIS Unit of Issue. Requires a quantitative expression.
CO	CONTAINER	CH	FLIS Unit of Issue. Requires a quantitative expression.
CP	CRATE	CP	
CQ	CARD	CG	
CR	CONNECTOR	CK	
CS	CASE	CA	FLIS Unit of Issue.

DOD CODE	NAME/DEFINITION	X12 CODE	NOTES
CT	CARTON	CT	
CU	CURIE	4D	FLIS Unit of Measure.
CV	COVER	CV	
CW	HUNDRED WEIGHT (LONG)	HW	
CX	CASSETTE	CS	
CY	CYLINDER	CL	FLIS Unit of Issue. Requires a quantitative expression.
CZ	CUBIC METER	CR	FLIS Unit of Issue and Unit of Measure. GenComm equivalent is C.
DA	DAYS	DA	
DB	DECIBELS	2N	
DC	DECAGRAM	DJ	FLIS Unit of Measure.
DE	DECIMETER	DM	FLIS Unit of Measure.
DF	FAHRENHEIT	FA	
DG	DECIGRAM	DG	FLIS Unit of Measure.
DI	DISPENSER	DI	
DK	KELVIN	KV	
DL	DECILITER	DL	FLIS Unit of Measure.
DM	DRAM	DF	FLIS Unit of Measure.
DO	DOLLARS, U.S.	DO	
DP	DOZEN PAIR	DP	
DQ	DATA RECORD	DQ	
DR	DRUM	DR	FLIS Unit of Issue. Requires a quantitative expression.
DS	DISPLAY	DS	
DT	DRY TON	DT	
DU	DYNE	DU	
DW	PENNYWEIGHT	WP	FLIS Unit of Measure.
DX	CALENDAR DAYS (NUMBER OF)	DW	
DY	DIRECTORY BOOKS	DY	
DZ	DOZEN	DZ	FLIS Unit of Issue and Unit of Measure.
E1	HECTOMETER	E1	
EA	EACH	EA	FLIS Unit of Issue and Unit of Measure.
EB	ELECTRONIC MAIL BOXES	EB	
EE	EMPLOYEES	EE	
EH	KNOTS	EH	
EJ	LOCATIONS	EJ	
EP	ELEVEN PACK	EP	
EQ	EQUIVALENT GALLONS	EQ	
EV	ENVELOPE	EV	
EX	EXPOSURE	JX	FLIS Unit of Measure. X12 Version Release 004050 migration code. Refer to ADC 1188.
F4	MINIM	F4	
F6	PRICE PER SHARE	F6	
FA	FATHOM	AK	
FB	FIELDS	FB	
FD	FOLD	9F	FLIS Unit of Measure. X12 Version Release 005020 Migration Code. Refer to ADC 1008.
FE	TRACK FOOT	FE	
FF	HUNDRED CUBIC METERS	FF	
FG	TRANSDERMAL PATCH	FG	FLIS Unit of Measure.

DOD CODE	NAME/DEFINITION	X12 CODE	NOTES
FJ	SIZING FACTOR	FJ	
FK	FIBERS	FK	
FL	FLAKE TON	FL	
FM	MILLION CUBIC FEET	FM	
FO	FLUID OUNCE	FO	FLIS Unit of Measure.
FR	FRAME	1Q	FLIS Unit of Measure.
FT	FOOT	FT	FLIS Unit of Issue and Unit of Measure.
FU	FURLONG	FU	X12 Version Release 005030 Migration Code. Refer to ADC 1188.
FV	FIVE	Q9	FLIS Unit of Issue. X12 Version Release 005030 Migration Code. Refer to ADC 1008.
FY	FIFTY	Q4	FLIS Unit of Issue.
GB	U.S. GALLONS PER MINUTE	G2	
GG	GREAT GROSS	GG	FLIS Unit of Measure.
GI	GILL	G5	FLIS Unit of Measure.
GL	GALLON	GA	FLIS Unit of Issue and Unit of Measure. GenComm equivalent is G.
GM	GRAM	GR	FLIS Unit of Measure.
GN	GRAIN	GX	FLIS Unit of Measure.
GP	GROUP	10	FLIS Unit of Issue.
GR	GROSS	GS	FLIS Unit of Issue and Unit of Measure.
GT	THOUSAND GALLONS PER DAY	NZ	X12 Version Release 005030 Migration Code. Refer to ADC 1008.
GX	APOTHECARY GRAIN	OG	X12 Version Release 005030 Migration Code. Refer to ADC 1008.
H2	HALF LITER	H2	
H4	HECTOLITER	H4	
HA	HUNDRED CUBIC FEET	HH	
HB	HOSPITAL BEDS	HX	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
HC	HUNDRED COUNT	HC	
HD	HUNDRED	HU	FLIS Unit of Issue and Unit of Measure.
HF	HUNDRED FEET	HF	FLIS Unit of Measure.
HG	HECTOGRAM	HG	
HH	HOGSHEAD	Z4	
HI	HUNDRED SHEETS	HI	
HK	HANK	HA	FLIS Unit of Issue. Requires a quantitative expression.
HL	HUNDRED FEET - LINEAR	HL	
HO	HUNDRED TROY OUNCES	HO	
HP	HUNDRED POUNDS	CW	FLIS Unit of Measure.
HQ	HECTARE	HQ	
HR	HOUR	HR	
HS	HUNDRED SQUARE FEET	HS	FLIS Unit of Measure.
HT	HALF HOUR	HT	
HW	HUNDRED WEIGHT – SHORT (HUNDRED WEIGHT)	HV	FLIS Unit of Measure.
HX	HUNDRED BOXES	HB	
HY	HUNDRED YARDS	HY	FLIS Unit of Measure.
HZ	HALF DOZEN	HD	

DOD CODE	NAME/DEFINITION	X12 CODE	NOTES
I1	PERSONS, CAPACITY	I1	X12 Version Release 005030 Migration Code. Refer to ADC 1188.
IG	IMPERIAL GALLON	GI	
IH	INHALER	IH	
IM	IMPRESSIONS	IM	
IN	INCH	IN	FLIS Unit of Issue and Unit of Measure.
IP	INSURANCE POLICY	IP	
IS	STOPS	IS	X12 Version Release 004030 Migration Code. Refer to ADC 1188.
IU	INTERNATIONAL UNIT	F2	
JB	JOB	JA	
JG	JUG	JU	
JO	JOINT	JO	
JR	JAR	JR	FLIS Unit of Issue. Requires a quantitative expression.
JU	JUMBO	JB	
K2	SQUARE KILOMETER	8U	
K6	KILOLITER	K6	
K7	KILOWATT	K7	FLIS Unit of Issue.
KC	KILOCURIE	2R	
KE	KEG	KE	
KF	KILOPACKETS	KF	
KG	KILOGRAM	KG	FLIS Unit of Issue and Unit of Measure. GenComm equivalent is K.
KH	HUNDRED KILOGRAMS	HK	
KK	100 KILOGRAMS	KK	
KM	KILOMETER	DK	FLIS Unit of Measure.
KR	KARAT (CARAT)	CD	FLIS Unit of Measure.
KT	KIT	KT	FLIS Unit of Issue and Unit of Measure.
KU	TASK	KU	
KV	KILOVOLTS	K8	X12 Version Release 006050 Migration Code. Refer to ADC 1008.
KZ	KILOWATT-HOUR	KH	FLIS Unit of Issue.
L5	LITERS AT 15 DEGREES CELSIUS	L5	X12 Version Release 007020 Migration Code. Refer to ADC 1108.
LB	POUND (AVOIRDUPOIS)	LB	FLIS Unit of Issue and Unit of Measure. GenComm equivalent is P.
LE	LITE	LE	
LF	LINEAR FOOT	LF	FLIS Unit of Measure.
LG	LENGTH	LN	FLIS Unit of Issue. Requires a quantitative expression.
LI	LITER	LT	FLIS Unit of Issue and Unit of Measure. GenComm equivalent is L.
LJ	LARGE SPRAY	LJ	
LK	LINK	LK	
LM	LINEAR METER	LM	
LN	LINEAR INCH	LI	
LO	LONG TON	LG	
LR	LAYER(S)	LR	
LS	LUMP SUM	LS	
LT	LOT	LO	FLIS Unit of Issue.



DOD CODE	NAME/DEFINITION	X12 CODE	NOTES
LY	LINEAR YARD	LY	
M0	MAGNETIC TAPES	M0	
M2	SQUARE MILE	SB	
M3	MAT	M3	
M5	MICROGRAM	MC	
M6	METRIC TON	MP	GenComm equivalent is M.
MA	METRIC NET TON	MN	
MB	BRITISH THERMAL UNITS (BTUS) PER HOUR	2I	
MC	THOUSAND CUBIC FEET	TZ	FLIS Unit of Issue and Unit of Measure.
MD	AIR DRY METRIC TON	MD	
ME	MEAL	Q3	FLIS Unit of Issue.
MF	THOUSAND FEET	TL	FLIS Unit of Measure.
MG	MILLIGRAM	ME	FLIS Unit of Measure.
MH	METRIC	MI	
MI	MILE	DH	FLIS Unit of Measure.
MJ	METRIC GROSS TON	MG	
MK	METRIC LONG TON	MT	
ML	MILLILITER	ML	FLIS Unit of Measure.
MM	MILLIMETER	MM	FLIS Unit of Issue and Unit of Measure.
MO	MONTHS	MO	
MQ	1000 METERS	MQ	
MR	METER	MR	FLIS Unit of Issue and Unit of Measure.
MS	SQUARE MILLIMETER	MS	
MT	MINUTES	MJ	
MX	THOUSAND	TH	FLIS Unit of Issue and Unit of Measure.
MZ	MIXED	MX	
N2	NUMBER OF LINES	N2	
N7	PARTS	N7	
N9	CARTRIDGE NEEDLE	N9	
NA	MILLIGRAMS PER KILOGRAM	NA	GenComm equivalent is MG/KG.
NB	BARGE	NB	
NC	CAR	NC	
ND	NET BARRELS	ND	
NE	NET LITERS	NE	
NF	MESSAGES	NF	
NG	NET GALLONS	NG	
NI	NET IMPERIAL GALLONS	NI	
NJ	NUMBER OF SCREENS	NJ	
NK	NIGHTS	NK	X12 Version Release 004030 Migration Code. Refer to ADC 1188.
NL	LOAD	NL	
NM	NAUTICAL MILE	NM	
NN	TRAIN	NN	
NS	SHORT TON	NS	GenComm equivalent is T.
NT	TRAILER	NT	
NV	VEHICLE	NV	
NX	PARTS PER THOUSAND	NX	
OA	PANEL	OA	
OC	BILLBOARD	OC	

DOD CODE	NAME/DEFINITION	X12 CODE	NOTES
OL	OUTLET	OB	X12 Version Release 005030 Migration Code. Refer to ADC 1008.
OP	TWO PACK	OP	
OT	OUTFIT	11	FLIS Unit of Issue.
OU	OPERATING UNIT	OU	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
OZ	OUNCE - AV	OZ	FLIS Unit of Issue and Unit of Measure.
P0	PAGES - ELECTRONIC	P0	
P1	PERCENT	P1	
P2	POUNDS PER FOOT	P2	
P3	THREE PACK	P3	
P4	FOUR-PACK	P4	
P5	FIVE-PACK	P5	
P6	SIX PACK	P6	
P7	SEVEN PACK	P7	
P8	EIGHT-PACK	P8	
P9	NINE PACK	P9	
PA	PAGE	ZP	
PB	PAIR INCHES	PB	
PC	PIECE	PC	
PD	PAD	PD	FLIS Unit of Issue. Requires a quantitative expression.
PE	POUNDS EQUIVALENT	PE	
PF	PALLET (LIFT)	PF	
PG	PACKAGE	PK	FLIS Unit of Issue. Requires a quantitative expression.
PH	PACK (PAK)	PH	
PI	PILLOW	9P	FLIS Unit of Measure. X12 Version Release 005030 Migration Code. Refer to ADC 1008.
PJ	PALLET/UNIT LOAD	PL	
PK	PECK, DRY U.S.	PY	
PL	PAIL	PA	
PM	PLATE	PP	FLIS Unit of Issue.
PN	PERSON	IE	
PO	POUNDS GROSS	PG	
PP	PINT, IMPERIAL	PX	
PQ	PECK DRY IMPERIAL	PZ	
PR	PAIR	PR	FLIS Unit of Issue and Unit of Measure.
PS	POUNDS NET	PN	
PT	PINT	PT	FLIS Unit of Issue and Unit of Measure.
PU	MASS POUNDS	PU	
PV	HALF PINT	PV	
PX	PELLET	12	FLIS Unit of Measure. X12 Version Release 005030 Migration Code. Refer to ADC 1008.
PY	PITCH	PI	
PZ	PACKET	12	FLIS Unit of Issue. Requires a quantitative expression.
QC	CHANNEL	QC	
QE	PHOTOGRAPHS	QE	
QF	QUARTER	QF	X12 Version Release 005030 Migration Code. Refer to ADC 1188.

DOD CODE	NAME/DEFINITION	X12 CODE	NOTES
QI	QUART, IMPERIAL	QU	
QK	QUARTER KILOGRAM	QK	
QR	QUIRE	QR	
QS	QUART, DRY U.S.	QS	
QT	QUART	QT	FLIS Unit of Issue and Unit of Measure.
QU	QUARTER DOZEN	QD	
R4	CALORIE	R4	
R5	THOUSANDS OF DOLLARS	R5	
R9	THOUSAND CUBIC METERS	R9	
RA	RATION	13	FLIS Unit of Issue and Unit of Measure.
RB	RADIAN	RB	
RC	ROD (AREA) - 16.25 SQUARE YARDS	RC	
RD	ROUND	RO	FLIS Unit of Measure.
RG	RING	RG	
RH	RUNNING OR OPERATING HOURS	RH	
RK	ROLL-METRIC MEASURE	RK	
RL	REEL	RE	FLIS Unit of Issue. Requires a quantitative expression.
RM	REAM	RM	FLIS Unit of Issue and Unit of Measure.
RN	REAM-METRIC MEASURE	RN	
RO	ROLL	RL	FLIS Unit of Issue. Requires a quantitative expression.
RP	POUNDS PER REAM	RP	
RR	RACK	RA	
RS	RESETS	RS	
RT	REVENUE TON MILES	RT	
RU	RUN	RU	
RX	THOUSAND ROUNDS	RX	FLIS Unit of Measure. X12 Version Release 005030 Migration Code. Refer to ADC 1188.
S5	SIXTY-FOURTHS OF AN INCH	S5	
S6	SESSIONS	S6	
S7	STORAGE UNITS	S7	
S8	SHELF PACKAGE	SP	
S9	SLIP SHEET	S9	
SA	SANDWICH	SA	
SB	SHIPMENT	SX	
SC	SECONDS	03	
SD	SKID	SV	FLIS Unit of Issue. Requires a quantitative expression.
SE	SET	ST	FLIS Unit of Issue and Unit of Measure.
SF	SQUARE FOOT	SF	FLIS Unit of Issue and Unit of Measure.
SG	SEGMENT	SG	
SH	SHEET	SH	FLIS Unit of Issue and Unit of Measure.
SI	SQUARE INCH	SI	FLIS Unit of Measure.
SJ	SACK	SJ	
SK	SKEIN	SW	FLIS Unit of Issue and Unit of Measure.
SL	SPOOL	SO	FLIS Unit of Issue. Requires a quantitative expression.
SM	SQUARE METER	SM	FLIS Unit of Measure.

DOD CODE	NAME/DEFINITION	X12 CODE	NOTES
SN	SECTION (640 ACRES OR ONE SQUARE MILE)	SE	X12 Extended Definition: 640 ACRES OR ONE SQUARE MILE
SO	SHOT	14	FLIS Unit of Issue and Unit of Measure.
SP	STRIP	SR	FLIS Unit of Issue. Requires a quantitative expression.
SQ	SQUARE	SQ	FLIS Unit of Measure.
SR	SPLIT TANKTRUCK	SK	
SS	SHEET-METRIC MEASURE	SS	
ST	SEAT	9S	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
SU	SQUARE ROD	SN	
SV	SERVICE	S0	FLIS Unit of Issue. (S-zero)
SW	STANDARD ADVERTISING UNITS (SAUS)	S8	
SX	STICK	15	FLIS Unit of Issue. Requires a quantitative expression.
SY	SQUARE YARD	SY	FLIS Unit of Issue and Unit of Measure.
SZ	SYRINGE	SZ	FLIS Unit of Measure.
T1	THOUSAND POUNDS GROSS	T1	
T2	TEASPOON	Y3	
T3	THOUSAND PIECES	T3	
T4	THOUSAND BAGS	T4	
T5	THOUSAND CASINGS	T5	
T6	THOUSAND GALLONS	T6	
T7	THOUSAND IMPRESSIONS	T7	
T8	THOUSAND LINEAR INCHES	T8	
T9	THOUSAND KILOWATT HOURS/MEGAWATT-HOUR	T9	FLIS Unit of Issue. ADC 476 recognizes FLIS character limit on the name, thus FLIS Name: Megawatt-hr (TH-KWH).
TA	TENTH CUBIC FOOT	TA	
TB	TABLESPOON	Y2	
TC	TRUCKLOAD	TC	
TD	TWENTY-FOUR	Q7	FLIS Unit of Issue.
TE	TEN	U3	FLIS Unit of Issue.
TF	TWENTY-FIVE	Q5	FLIS Unit of Issue.
TG	GROSS TON	TG	
TH	THOUSAND KILOGRAMS	TV	
TI	THOUSAND SQUARE INCHES	TI	
TJ	THOUSAND SQ. CENTIMETERS	TJ	
TK	TANK	TK	
TL	THOUSAND LINEAR METERS	TT	
TM	THOUSAND FEET (BOARD)	TM	
TN	NET TON (2,000 POUNDS)	TN	FLIS Unit of Issue and Unit of Measure.
TO	TROY OUNCE	TO	FLIS Unit of Issue and Unit of Measure.
TP	TROY POUND	TX	
TQ	THOUSAND FEET	TQ	
TR	TEN SQUARE FEET	TR	
TS	THIRTY-SIX	Q6	FLIS Unit of Issue.
TT	TABLET	U2	FLIS Unit of Measure.
TU	TUBE	TB	FLIS Unit of Issue. Requires a quantitative expression.

DOD CODE	NAME/DEFINITION	X12 CODE	NOTES
TV	TEN-PACK	TP	
TW	THOUSAND SHEETS	TW	
TX	THOUSAND LINEAR YARDS	TU	
TY	TRAY	TY	
TZ	THOUSAND SQUARE FEET	TS	
U1	TREATMENTS	U1	
U5	TWO HUNDRED FIFTY	U5	
U6	U.S. GALLONS AT 60 DEGREES FAHRENHEIT	U6	X12 Version Release 007010 Migration Code. Refer to ADC 1008.
UH	TEN THOUSAND YARDS	UH	
UL	UNITLESS	UL	
UM	MILLION UNITS	UM	
UN	UNIT	UN	
UP	TROCHE	UP	
UQ	WAFER	UQ	
US	UNITED STATES PHARMACOPOEIA (USP)UNIT	9Z	FLIS Unit of Measure. X12 Version Release 005020 Migration code. REFER TO ADC 1008.
V1	FLAT	V1	
V2	POUCH	V2	
VC	FIVE HUNDRED	VC	
VI	VIAL	VI	FLIS Unit of Issue. Requires a quantitative expression.
VS	VISIT	VS	
VT	VOLT	70	
W2	WET KILO	W2	
WB	WET POUND	WB	
WD	WORK DAYS	WD	
WE	WET TON	WE	
WG	WINE GALLON	WG	
WH	WHEEL	WH	
WK	WEEK	WK	
WR	WRAP	WR	
WT	WATT	99	
X2	BUNCH	X2	
X3	CLOVE	X3	
X4	DROP	X4	
X5	HEAD	X5	
X6	HEART	X6	
X7	LEAF	X7	
X8	LOAF	X8	
X9	PORTION	X9	
Y1	SLICE	Y1	
Y4	TUB	Y4	
YD	YARD	YD	FLIS Unit of Issue and Unit of Measure.
YL	100 LINEAR YARDS	YL	
YR	YEARS	YR	
YS	SLEEVE	SL	FLIS Unit of Issue. Requires a quantitative expression.
YT	BYTES	AD	
Z1	LIFT VAN	Z1	
Z2	CHEST	Z2	

DOD CODE	NAME/DEFINITION	X12 CODE	NOTES
Z3	CASK	Z3	
Z5	LUG	Z5	
ZF	MILLION BTUS/DEKATHERM	BZ	FLIS Unit of Issue. ADC 476 recognizes FLIS character limit on the name, thus FLIS Name: Dekatherm (DTH MBTU).