



**DEFENSE LOGISTICS AGENCY**  
**HEADQUARTERS**  
**8725 JOHN J. KINGMAN ROAD**  
**FORT BELVOIR, VIRGINIA 22060-6221**

February 13, 2020

**MEMORANDUM FOR FEDERAL CATALOGING COMMITTEE (FCC) MEMBERS**

**SUBJECT: Proposed Cataloging Data Change (ACDC) 0030, Addition of Table 80, Unit of Measure Compatibility Table to CDTS Volume 10 and Related Volume 10, 11, and 12 Updates**

We are forwarding the attached proposed changes to Cataloging Data and Transaction Standards Volumes 10, 11, 12, and associated FLIS DB2 Tables. Evaluation and submission of a single coordinated Federal Cataloging Committee (FCC) position is required. It is the responsibility of the FCC Chair/Secretariat to ensure full coordination of the proposal.

As this change requires Joint implementation, we request review of the attached proposed change to include coordinated comments/concurrence and target joint implementation date of this change to the Enterprise Business Standards Office no later than **30** days from the date of this memorandum. If you non-concur, please provide an alternate method to meet the requirements being addressed.

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

DREXEL K. ROSS  
Director  
Enterprise Business Standards Office

Attachment  
As stated

cc:  
FCC Secretariat

# Attachment to PCDC 0030, Addition of Table 80, Unit of Measure Compatibility Table to CDTs Volume 10 and Related Volume 10, 11, and 12 Updates

## 1 ADMINISTRATIVE INFORMATION

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### 1.1 ORIGINATING SERVICE/AGENCY:

DLA, Logistics Information Service, J34

### 1.2 POINTS OF CONTACT:

- Amie Inman 269-961-5705 [amie.inman@dla.mil](mailto:amie.inman@dla.mil)
- Angela Buday 269-961-4008 [angela.buday@dla.mil](mailto:angela.buday@dla.mil)

### 1.3 EXPEDITED HANDLING REQUIRED: NO

### 1.4 ADMINISTRATIVE CDC ELIGIBLE CODE TABLE CHANGES: N/A

## 2 IMPACT

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### 2.1 TARGET IMPLEMENTATION DATE

Within 30 Days of CDC Coordination and Approval.

### 2.2 AFFECTED PUBLICATIONS AND/OR TRANSACTIONS

<input checked="" type="checkbox"/>	Publications/Transaction	Correlating Volume
	Document Identifier Codes (Input/Output Fixed Length)	Volume 8
	Document Identifier Codes (Input/Output Variable Length)	Volume 9
X	Cataloging Data Element or Dictionary	Volume 10
X	Federal Logistics Information System (FLIS) Edits and Validations	Volume 11
X	Standard Federal Supply Class (FSC) Data	Volume 12
	Major Organizational Entity (MOE) Rule Data	Volume 13
	Cataloging Transaction	N/A
	General Cataloging Data Standard	N/A

## 2.3 AFFECTED SYSTEMS

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

## 2.4 AFFECTED DB2 TABLES

- FLIS DB2 Table 291 – RETURN\_ACTION\_CD, is associated to CDTs Volume 10, Chapter 1, Return Action Codes. See Enclosure 9 for detailed updates.
- The proposed content for Table 80, Unit of Measure Compatibility Table is present in FLIS DB2 Table 939, BUOM\_CONVERSION. However, this proposed addition does not impact the table. It merely publishes the already existing content in DB2 Table 939.
  - Note: two records in FLIS DB2 Table 939 are identified as invalid and require removal. See Enclosure 10 for detailed deletions of those records.

## 3 REQUESTED CHANGE

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### 3.1 BRIEF OVERVIEW OF CHANGE:

This change proposes the addition of Table 80, Unit of Measure Compatibility Table, to Cataloging Data and Transactions Standards (CDTS) Volume 10, and necessary related changes throughout Volume 10, 11, and 12.

### 3.2 REQUESTED CHANGE IN DETAIL:

#### 3.2.1 Addition of CDTS Volume 10, Table 80, Unit of Measure Compatibility Table

The FLIS DB2 Table, Base Unit of Measure (BUOM), defines Quantitative Expressions for Non-Definitive Units of Issue. A non-definitive Unit of Issue (UI) is a type of UI designation that does not indicate an exact quantity of volume, linear measurement, weight, or count such as drum, can, box, or roll. When a non-definitive UI is specified, it must be accompanied by a quantitative expression (e.g., 1 RO (150 ft) or 1 RL (50 ft)) with the application of Phrase Code K. CDTS Table 52, Phrase Codes, defines each code, and what specific information is being conveyed in the Input and Output headers of the transaction. At present, the BUOM conversion is not documented within CDTS Volume 10.

As this table is not currently an available reference, it is difficult for Catalogers, Product Specialists, and other users to properly assign Unit of Issue for Non-Definitive Units of Issue. As a result, transactions may fail the system edits due to conversion issues, with no reference at hand to correct the issue.

This change proposes the addition of the previously unpublished BUOM Conversion Data as Table 80, Unit of Measure Compatibility Table.” This title aims to be recognizable among Cataloging logisticians, as well as describe its purpose and functionality.

This addition ensures proper Unit of Issue selection and assignment as well as a reduction in failed transactions related to selection of incorrect non-definitive units of measure. See Enclosure 1 for the proposed Table 80 addition.

### 3.2.2 Updates to Notes for CDTs Volume 10, Table 53, Unit of Issue, and Table 81, Unit of Measure Designations

In order to provide users' insight on Unit of Issue and Unit of Measure compatibility, two tables will receive additions and changes to notes, pointing users to Table 80 as a reference:

- Table 53, Unit of Issue, found in Enclosure 2.
- Table 81, Unit of Measurement Designations, found in Enclosure 3.

### 3.2.3 Addition to CDTs Volume 10, Table 222 Logistics Information Services Cross Reference Table (Cataloging Data and Transaction Standards Volume to DB2 Reference Table)

For Logistics Information Services and designated users only, Table 222, Logistics Information Services Cross Reference Table, documents the relationship between Volume 10 tables, Volume 13 appendices, and their connection to particular FLIS DB2 Relational Database Tables found in Volume 12. This table acts as a crosswalk, providing users insight into the composition of the corresponding DB2 Table and CDTs Volumes. This user reference is crucial as Volume 10 table numbers and corresponding DB2 Tables do not have the same number.

This change proposes an entry to Table 222 to demonstrate the relationship between Table 80, Unit of Measure Compatibility Table and FLIS DB2 Table 939, BUOM\_CONVERSION. Also proposed, are updates to existing entries for Tables 8, 9, and 10, to provide the correct DB2 Table relationships.

Enclosure 4 details the aforementioned changes, as well as a revised title and description to clarify intended usage and contents of Table 222.

### 3.2.4 Revisions to CDTs Volume 10, Chapter 1, Return Action Codes, Code IV

Return Action Codes, located in Volume 10, Chapter 1, are based on FLIS edit criteria and provides users with definition, instruction, and missing input - such as Data Record Number (DRN), and the affected Total Item Record Segment - upon failure of transactions. The Return Action Code affords users an opportunity for correction and resubmission and prevents inaccurate data from entering the FLIS Database.

Without a Return Action Code, the failed transaction will not provide reasoning for the transaction failure or identify missing or incorrect data elements. Today, FLIS utilizes Return Action Code 3050, Unit of Issue, and may be inaccurate for non-definitive units of measure and quantitative expression.

This change also adds a description explaining the purpose of the Return Action Codes. Enclosure 5 details the proposed revisions to Code IV, to advise users of a failed edit in Segment H, Catalog Management Data (where Unit of Issue resides), specifically, DRN 8575, Quantitative Expression.

### 3.2.5 Revisions to CDTs Volume 11, Edit Validation Criteria

Volume 11 provides insight to the edit/validation criteria for transactions. The combination of changes above requires revisions to the edit validation criteria for transactions LAM, Add Catalog Management Data and LCM, Change Catalog Management Data. Enclosure 7 details the addition required for both entries.

### 3.2.6 Revisions to CDTs Volume 12, Chapter 4, DRN 8575, Quantitative Expression

The Data Record Number (DRN) is a four position numeric code assigned to a data element in the Federal Logistics Information System (FLIS) or the FLIS Portfolio Workbench (FPW) Customer Data

Schema. The DRN is utilized for edits and validations of data within transactions or Hypertext Markup Language (XML) schemas, and allows the transmitted data to be both viewable and reportable within FLIS.

With the revision to Return Action Code IV, the definition for DRN 8575, Quantitative Expression, also requires update. The revised definition, as seen in Enclosure 8, provides users an explanation for a failed transaction upon submitting an incorrect or incompatible quantitative expression with a non-definitive unit of issue.

### 3.3 REASON FOR CHANGE:

These changes ensure accurate understanding and transactional processing of non-definitive unit of issue and quantitative expression. Without this vital reference material, users would have no way of knowing that a transaction with an inaccurate non-definitive units of issue or quantitative expression would not pass FLIS validation edits.

### 3.4 REVISIONS TO CATALOGING DATA AND TRANSACTION STANDARDS:

The following enclosures details additions, deletions, and updates to Volume 10, 11, 12, and two FLIS DB2 Tables:

<b><u>CDC Enclosure</u></b>	<b><u>CDTS Volume/FLIS DB2</u></b>	<b><u>Table/Location</u></b>
Enclosure 1	Volume 10	Table 80, Unit of Measure Compatibility Table
Enclosure 2	Volume 10	Table 53, Unit of Issue
Enclosure 3	Volume 10	Table 81, Unit of Measure Designation
Enclosure 4	Volume 10	Table 222, Logistics Information Services Reference Table
Enclosure 5	Volume 10	Chapter 1, Return Action Codes
Enclosure 6	Volume 10	Chapter 3, Table of Contents
Enclosure 7	Volume 11	LAM, Add Catalog Management Data, LCM, Change Catalog Management Data
Enclosure 8	Volume 12	Chapter 4, Data Record Number Definitions
Enclosure 9	FLIS DB2	Table 291 - RETURN_ACTION_CD
Enclosure 10	FLIS DB2	Table 939 – BUOM_CONVERSION

# ENCLOSURE 1

## ADDITION OF TABLE 80 TO CATALOGING DATA AND TRANSACTION STANDARDS, VOLUME 10

**TABLE 80**  
**UNIT OF MEASURE COMPATIBILITY TABLE**

This table defines the quantitative expressions for non-definitive Units of Issue (UI). A non-definitive Unit of Issue (UI) is a type of UI designation that does not indicate an exact quantity of volume, linear measurement, weight, or count such as drum, can, box, or roll. When a non-definitive UI is specified, it must be accompanied by a quantitative expression (e.g., 1 RO (150 ft) or 1 RL (50 ft)) with the application of Phrase Code K. *See Table 52 for Phrase Code definitions.*  
Used by DLA Logistics Information Services Catalogers to define a non-definitive unit of issue, and appropriate quantitative expression before attempting cataloging action(s).

This table is an abbreviated list of the associated FLIS DB2 Table 939 – BUOM\_CONVERSION (Base Unit of Measure Conversion).

Unit of Issue (3050)	Unit of Issue Term (5242)	Unit of Measure (UoM) (0107)	UoM Term (2347)	Quantitative Expression UoM Multiplier (0800)
AM	AMPOULE	MG	MILLIGRAM	1
AM	AMPOULE	EA	EACH	1
AM	AMPOULE	GM	GRAM	1
AM	AMPOULE	ML	MILLILITER	1
BA	BALL	FT	FOOT	1
BA	BALL	LB	POUND	1
BA	BALL	OZ	OUNCE	1
BD	BUNDLE	KG	KILOGRAM	1
BD	BUNDLE	EA	EACH	1
BD	BUNDLE	FT	FOOT	1
BD	BUNDLE	IN	INCH	1
BD	BUNDLE	LB	POUND	1
BD	BUNDLE	SF	SQUARE FOOT	1
BD	BUNDLE	SH	SHEET	1
BE	BALE	CF	CUBIC FOOT	1
BE	BALE	EA	EACH	1
BE	BALE	FT	FOOT	1
BE	BALE	LB	POUND	1
BE	BALE	SH	SHEET	1
BG	BAG	ML	MILLILITER	1
BG	BAG	CF	CUBIC FOOT	1
BG	BAG	FT	FOOT	1
BG	BAG	CI	CUBIC INCH	1
BG	BAG	EA	EACH	1
BG	BAG	GM	GRAM	1
BG	BAG	GR	GROSS	144
BG	BAG	HD	HUNDRED	100
BG	BAG	KG	KILOGRAM	1
BG	BAG	LB	POUND	1

BG	BAG	OZ	OUNCE	1
BG	BAG	QT	QUART	1
BK	BOOK	EA	EACH	1
BK	BOOK	SH	SHEET	1
BL	BARREL	EA	EACH	1
BL	BARREL	GL	GALLON	1
BL	BARREL	LB	POUND	1
BO	BOLT	YD	YARD	1
BR	BAR	GM	GRAM	1
BR	BAR	LB	POUND	1
BR	BAR	OZ	OUNCE	1
BT	BOTTLE	AV	CAPSULE	1
BT	BOTTLE	DM	DRAM	1
BT	BOTTLE	FT	FOOT	1
BT	BOTTLE	MG	MILLIGRAM	1
BT	BOTTLE	MI	MILE	1
BT	BOTTLE	US	U.S.P UNIT	1
BT	BOTTLE	YD	YARD	1
BT	BOTTLE	CC	CUBIC CENTIMETER	1
BT	BOTTLE	DG	DECIGRAM	1
BT	BOTTLE	EA	EACH	1
BT	BOTTLE	GL	GALLON	1
BT	BOTTLE	GM	GRAM	1
BT	BOTTLE	GN	GRAIN	1
BT	BOTTLE	GR	GROSS	144
BT	BOTTLE	IN	INCH	1
BT	BOTTLE	KG	KILOGRAM	1
BT	BOTTLE	LB	POUND	1
BT	BOTTLE	LI	LITER	1
BT	BOTTLE	ML	MILLILITER	1
BT	BOTTLE	OZ	OUNCE	1
BT	BOTTLE	PI	PILLOW	1
BT	BOTTLE	PT	PINT	1
BT	BOTTLE	PX	PELLET	1
BT	BOTTLE	QT	QUART	1
BT	BOTTLE	TO	TROY OUNCE	1
BT	BOTTLE	TT	TABLET	1
BX	BOX	MG	MILLIGRAM	1
BX	BOX	BQ	BRIQUET	1
BX	BOX	DZ	DOZEN	12
BX	BOX	EA	EACH	1
BX	BOX	EX	EXPOSURE	1
BX	BOX	FD	FOLD	1
BX	BOX	FT	FOOT	1

BX	BOX	GL	GALLON	1
BX	BOX	GM	GRAM	1
BX	BOX	GR	GROSS	144
BX	BOX	HD	HUNDRED	100
BX	BOX	IN	INCH	1
BX	BOX	KG	KILOGRAM	1
BX	BOX	LB	POUND	1
BX	BOX	LI	LITER	1
BX	BOX	ML	MILLILITER	1
BX	BOX	MR	METER	1
BX	BOX	MX	THOUSAND	1000
BX	BOX	OZ	OUNCE	1
BX	BOX	PI	PILLOW	1
BX	BOX	PR	PAIR	1
BX	BOX	PT	PINT	1
BX	BOX	QT	QUART	1
BX	BOX	RA	RATION	1
BX	BOX	RM	REAM	1
BX	BOX	SF	SQUARE FOOT	1
BX	BOX	SH	SHEET	1
BX	BOX	TT	TABLET	1
BX	BOX	YD	YARD	1
CA	CARTRIDGE	CC	CUBIC CENTIMETER	1
CA	CARTRIDGE	EA	EACH	1
CA	CARTRIDGE	EX	EXPOSURE	1
CA	CARTRIDGE	FT	FOOT	1
CA	CARTRIDGE	GL	GALLON	1
CA	CARTRIDGE	GM	GRAM	1
CA	CARTRIDGE	KG	KILOGRAM	1
CA	CARTRIDGE	LB	POUND	1
CA	CARTRIDGE	ML	MILLILITER	1
CA	CARTRIDGE	OZ	OUNCE	1
CA	CARTRIDGE	PT	PINT	1
CA	CARTRIDGE	QT	QUART	1
CA	CARTRIDGE	YD	YARD	1
CB	CARBOY	GL	GALLON	1
CB	CARBOY	LB	POUND	1
CB	CARBOY	LI	LITER	1
CE	CONE	FT	FOOT	1
CE	CONE	LB	POUND	1
CE	CONE	OZ	OUNCE	1
CE	CONE	YD	YARD	1
CK	CAKE	GM	GRAM	1
CK	CAKE	LB	POUND	1



CK	CAKE	OZ	OUNCE	1
CL	COIL	KG	KILOGRAM	1
CL	COIL	CM	CENTIMETER	1
CL	COIL	EA	EACH	1
CL	COIL	FT	FOOT	1
CL	COIL	IN	INCH	1
CL	COIL	LB	POUND	1
CL	COIL	MM	MILLIMETER	1
CL	COIL	MR	METER	1
CL	COIL	OZ	OUNCE	1
CL	COIL	TO	TROY OUNCE	1
CL	COIL	YD	YARD	1
CN	CAN	CC	CUBIC CENTIMETER	1
CN	CAN	CF	CUBIC FOOT	1
CN	CAN	EA	EACH	1
CN	CAN	FT	FOOT	1
CN	CAN	GL	GALLON	1
CN	CAN	GM	GRAM	1
CN	CAN	KG	KILOGRAM	1
CN	CAN	LB	POUND	1
CN	CAN	LI	LITER	1
CN	CAN	ML	MILLILITER	1
CN	CAN	OZ	OUNCE	1
CN	CAN	PT	PINT	1
CN	CAN	QT	QUART	1
CN	CAN	TO	TROY OUNCE	1
CN	CAN	TT	TABLET	1
CO	CONTAINER	CC	CUBIC CENTIMETER	1
CO	CONTAINER	CI	CUBIC INCH	1
CO	CONTAINER	EA	EACH	1
CO	CONTAINER	GL	GALLON	1
CO	CONTAINER	GM	GRAM	1
CO	CONTAINER	GR	GROSS	144
CO	CONTAINER	KG	KILOGRAM	1
CO	CONTAINER	LB	POUND	1
CO	CONTAINER	LI	LITER	1
CO	CONTAINER	MG	MILLIGRAM	1
CO	CONTAINER	ML	MILLILITER	1
CO	CONTAINER	OZ	OUNCE	1
CO	CONTAINER	PT	PINT	1
CO	CONTAINER	QT	QUART	1
CO	CONTAINER	SH	SHEET	1
CO	CONTAINER	TT	TABLET	1
CS	CASE	AR	SUPPOSITORY	1

CS	CASE	AV	CAPSULE	1
CS	CASE	B7	CYCLE	1
CS	CASE	BQ	BRIQUET	1
CS	CASE	DM	DRAM	1
CS	CASE	DZ	DOZEN	12
CS	CASE	EA	EACH	1
CS	CASE	EX	EXPOSURE	1
CS	CASE	FD	FOLD	1
CS	CASE	FO	FLUID OUNCE	1
CS	CASE	FT	FOOT	1
CS	CASE	GL	GALLON	1
CS	CASE	GM	GRAM	1
CS	CASE	GR	GROSS	144
CS	CASE	HD	HUNDRED	100
CS	CASE	IN	INCH	1
CS	CASE	KG	KILOGRAM	1
CS	CASE	LB	POUND	1
CS	CASE	LI	LITER	1
CS	CASE	MG	MILLIGRAM	1
CS	CASE	ML	MILLILITER	1
CS	CASE	MR	METER	1
CS	CASE	MX	THOUSAND	1000
CS	CASE	OZ	OUNCE	1
CS	CASE	PI	PILLOW	1
CS	CASE	PR	PAIR	1
CS	CASE	PT	PINT	1
CS	CASE	QT	QUART	1
CS	CASE	RA	RATION	1
CS	CASE	RM	REAM	1
CS	CASE	SF	SQUARE FOOT	1
CS	CASE	SH	SHEET	1
CS	CASE	SK	SKEIN	1
CS	CASE	TT	TABLET	1
CS	CASE	US	U.S.P. UNIT	1
CS	CASE	YD	YARD	1
CY	CYLINDER	CF	CUBIC FOOT	1
CY	CYLINDER	CG	CENTIGRAM	1
CY	CYLINDER	CI	CUBIC INCH	1
CY	CYLINDER	CU	CURIE	1
CY	CYLINDER	GM	GRAM	1
CY	CYLINDER	KG	KILOGRAM	1
CY	CYLINDER	LB	POUND	1
CY	CYLINDER	LI	LITER	1
CY	CYLINDER	OZ	OUNCE	1

DR	DRUM	CF	CUBIC FOOT	1
DR	DRUM	ML	MILLILITER	1
DR	DRUM	EA	EACH	1
DR	DRUM	FT	FOOT	1
DR	DRUM	GL	GALLON	1
DR	DRUM	KG	KILOGRAM	1
DR	DRUM	LB	POUND	1
DR	DRUM	LI	LITER	1
DR	DRUM	OZ	OUNCE	1
DR	DRUM	TT	TABLET	1
HK	HANK	FT	FOOT	1
HK	HANK	YD	YARD	1
JR	JAR	LI	LITER	1
JR	JAR	EA	EACH	1
JR	JAR	GM	GRAM	1
JR	JAR	GR	GROSS	144
JR	JAR	LB	POUND	1
JR	JAR	OZ	OUNCE	1
JR	JAR	PT	PINT	1
JR	JAR	QT	QUART	1
JR	JAR	TO	TROY OUNCE	1
LG	LENGTH	MR	METER	1
LG	LENGTH	CM	CENTIMETER	1
LG	LENGTH	FT	FOOT	1
LG	LENGTH	IN	INCH	1
LG	LENGTH	LF	LINEAR FOOT	1
LG	LENGTH	MM	MILLIMETER	1
LG	LENGTH	EA	EACH	1
LG	LENGTH	YD	YARD	1
PD	PAD	EA	EACH	1
PD	PAD	SH	SHEET	1
PG	PACKAGE	AR	SUPPOSITORY	1
PG	PACKAGE	AV	CAPSULE	1
PG	PACKAGE	B7	CYCLE	1
PG	PACKAGE	DM	DRAM	1
PG	PACKAGE	FG	TRANSDERMAL SYSTEM	1
PG	PACKAGE	FO	FLUID OUNCE	1
PG	PACKAGE	KT	KIT	1
PG	PACKAGE	MM	MILLIMETER	1
PG	PACKAGE	SE	SET	1
PG	PACKAGE	SZ	SYRINGE	1
PG	PACKAGE	MR	METER	1
PG	PACKAGE	CC	CUBIC CENTIMETER	1

PG	PACKAGE	DW	PENNYWEIGHT	1
PG	PACKAGE	DZ	DOZEN	12
PG	PACKAGE	EA	EACH	1
PG	PACKAGE	EX	EXPOSURE	1
PG	PACKAGE	FT	FOOT	1
PG	PACKAGE	GL	GALLON	1
PG	PACKAGE	GM	GRAM	1
PG	PACKAGE	GR	GROSS	144
PG	PACKAGE	HD	HUNDRED	100
PG	PACKAGE	IN	INCH	1
PG	PACKAGE	LB	POUND	1
PG	PACKAGE	LI	LITER	1
PG	PACKAGE	MG	MILLIGRAM	1
PG	PACKAGE	ML	MILLILITER	1
PG	PACKAGE	MX	THOUSAND	1000
PG	PACKAGE	OZ	OUNCE	1
PG	PACKAGE	PI	PILLOW	1
PG	PACKAGE	PR	PAIR	1
PG	PACKAGE	PT	PINT	1
PG	PACKAGE	QT	QUART	1
PG	PACKAGE	SF	SQUARE FOOT	1
PG	PACKAGE	SH	SHEET	1
PG	PACKAGE	TT	TABLET	1
PG	PACKAGE	YD	YARD	1
PZ	PACKET	EA	EACH	1
PZ	PACKET	GM	GRAM	1
PZ	PACKET	LI	LITER	1
PZ	PACKET	OZ	OUNCE	1
RL	REEL	CM	CENTIMETER	1
RL	REEL	EA	EACH	1
RL	REEL	EX	EXPOSURE	1
RL	REEL	FT	FOOT	1
RL	REEL	GR	GROSS	144
RL	REEL	HD	HUNDRED	100
RL	REEL	IN	INCH	1
RL	REEL	LB	POUND	1
RL	REEL	LF	LINEAR FOOT	1
RL	REEL	MF	THOUSAND FEET	1
RL	REEL	MR	METER	1
RL	REEL	MX	THOUSAND	1000
RL	REEL	OZ	OUNCE	1
RL	REEL	SF	SQUARE FOOT	1
RL	REEL	YD	YARD	1
RO	ROLL	RA	RATION	1

RO	ROLL	CM	CENTIMETER	1
RO	ROLL	EA	EACH	1
RO	ROLL	EX	EXPOSURE	1
RO	ROLL	FT	FOOT	1
RO	ROLL	IN	INCH	1
RO	ROLL	LB	POUND	1
RO	ROLL	LF	LINEAR FOOT	1
RO	ROLL	MM	MILLIMETER	1
RO	ROLL	MR	METER	1
RO	ROLL	OZ	OUNCE	1
RO	ROLL	SF	SQUARE FOOT	1
RO	ROLL	SH	SHEET	1
RO	ROLL	SY	SQUARE YARD	1
RO	ROLL	YD	YARD	1
SD	SKID	EA	EACH	1
SD	SKID	SH	SHEET	1
SL	SPOOL	TO	TROY OUNCE	1
SL	SPOOL	CM	CENTIMETER	1
SL	SPOOL	FT	FOOT	1
SL	SPOOL	IN	INCH	1
SL	SPOOL	LB	POUND	1
SL	SPOOL	MR	METER	1
SL	SPOOL	OZ	OUNCE	1
SL	SPOOL	YD	YARD	1
SP	STRIP	AV	CAPSULE	1
SP	STRIP	EA	EACH	1
SP	STRIP	FT	FOOT	1
SP	STRIP	IN	INCH	1
SP	STRIP	LB	POUND	1
SP	STRIP	MM	MILLIMETER	1
SP	STRIP	OZ	OUNCE	1
SP	STRIP	YD	YARD	1
SX	STICK	LB	POUND	1
SX	STICK	OZ	OUNCE	1
TU	TUBE	MG	MILLIGRAM	1
TU	TUBE	CC	CUBIC CENTIMETER	1
TU	TUBE	EA	EACH	1
TU	TUBE	FT	FOOT	1
TU	TUBE	GM	GRAM	1
TU	TUBE	GR	GROSS	144
TU	TUBE	LB	POUND	1
TU	TUBE	LI	LITER	1
TU	TUBE	ML	MILLILITER	1
TU	TUBE	MM	MILLIMETER	1

TU	TUBE	OZ	OUNCE	1
TU	TUBE	YD	YARD	1
VI	VIAL	DM	DRAM	1
VI	VIAL	DW	PENNY-WEIGHT	1
VI	VIAL	US	U.S.P. UNIT	1
VI	VIAL	CC	CUBIC CENTIMETER	1
VI	VIAL	EA	EACH	1
VI	VIAL	FT	FOOT	1
VI	VIAL	GM	GRAM	1
VI	VIAL	GR	GROSS	144
VI	VIAL	LI	LITER	1
VI	VIAL	MG	MILLIGRAM	1
VI	VIAL	ML	MILLILITER	1
VI	VIAL	OZ	OUNCE	1
VI	VIAL	YD	YARD	1

## ENCLOSURE 2

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

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**Red Bold Italics** denote additions.

Double Strike-through denote deletions.

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

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

[...]

NOTES:

1. See volume 12, DRNs 3050 and 8472.
2. ~~These terms preceded by an asterisk (\*) require a quantitative expression.~~ ***2. denote a Non-definitive Unit of Issue and require a quantitative expression with the application of Phrase Code K. See Volume 10 Tables 81 and 80.***

## ENCLOSURE 3

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

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**Red Bold Italics** denote additions.

Double Strike-through denote deletions.

**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.

[...]

NOTE:

- 1.) See volume 12, DRNs 0107 and 8575 for format and definition, ~~and table 53 for quantitative expression requirement~~
- 2.) ***CDTS Volume 10, Table 53, Unit of Issue, identifies non-definitive Units of Issue (denoted with asterisk (\*))***
- 3.) ***CDTS Volume 10, Table 80, identifies quantitative expression compatibility for the application of Phrase Code K.***



## ENCLOSURE 4

### REVISIONS TO CATALOGING DATA AND TRANSACTION STANDARDS, VOLUME 10, TABLE 222

**Red Bold Italics** denote additions.

Double Strike-through denote deletions.

TABLE 222

~~LOGISTICS INFORMATION SERVICES CROSS~~ **CATALOGING DATA AND TRANSACTION STANDARDS**  
**VOLUME TO DB2 TABLE REFERENCE TABLE**

This table demonstrates the relationships of ~~is used to tie~~ **FLIS Cataloging Data and Transaction Standards** Volume 10 tables and Volume 13 **appendices to its FLIS DB2 relational database table number, as documented in Volume 12.**

This ~~TABLE IS ONLY APPLICABLE FOR~~ **table is intended for Logistics Information Services and its designated authorized users only.**

VOL TEN TABLE NUMBER	VOL TEN TABLE NAME	DB2 TABLE NUMBER	DB2 GROUP TABLE NAME
[...]	[...]	[...]	[...]
<del>9</del> <b>8</b>	Valid Reference Number Combinations for Item-Of-Supply Concept	<del>251</del> <b>736</b>	<del>NATL_CDFN_BUREU_CD</del> <b>VALID REFERENCE NUMBER COMBINATIONS FOR ITEM-OF- SUPPLY CONCEPT</b>
<del>40</del> <b>9</b>	National Codification Bureau Codes	<del>267</del> <b>251</b>	<del>OTPT_MODE_MEDIA_CD</del> <b>NATL_CDFN_BUREU_CD</b>
10	Output Mode/Media Codes	<del>410</del> <b>267</b>	<del>MEDIA_TYPE_TABLE</del> <b>OTPT_MODE_MEDIA_CD</b>
<b>10</b>	<b>Output Mode/Media Codes</b>	<b>410</b>	<b>MEDIA_TYPE_TABLE</b>
[...]	[...]	[...]	[...]
79	Unit of Issue Conversion Factors	813	U_I_CONVERTN_FACTOR
<b>80</b>	<b>UNIT OF MEASURE COMPATIBILITY TABLE</b>	<b>939</b>	<b>BUOM_CONVERSION</b>
81	Unit of Measurement Designations	276	U_OF_MEASURE_DESIG
[...]	[...]	[...]	[...]

# ENCLOSURE 5

## REVISIONS TO CATALOGING DATA AND TRANSACTION STANDARDS, VOLUME 10, CHAPTER 1, RETURN ACTION CODES

**Red Bold Italics** denote additions.

### CHAPTER 1 RETURN ACTION CODES

*Based on FLIS edit criteria, Return Action Codes provide users with definition, instruction, and missing input - such as Data Record Number (DRN), and the affected Total Item Record Segment - upon failure of transactions. The Return Action Code affords users an opportunity for correction and resubmission and prevents inaccurate data from entering the FLIS Database.*

		OUTPUT	RETURN	
CODE	DEFINITION AND INSTRUCTION	DIC	SEGMENT	DRN
IV	The submitted or recorded data element(s) has invalid format or does not appear on the appropriate validation tables. A segment <b>H</b> , <b>P</b> , or <b>Q</b> will be returned as applicable, depending on the DRNs involved.	KMU KPE KRE KRU	<b>H</b> , P,Q	0096, 0097, 0099, 0106, 0107, 0121 0130, 0132, 0137, 0167, 0177, 0189, 0209, 0210, 0211, 0212, 0216, 0217, 0218, 0572, 0573, 0708, 0709, 0730, 0780, 0792, 0793, 0793(F), 0795, 0796, 0796(F), 0797, 0861, 0862, 0864, 0950, 1000, 1070, 1070(F), 1120, 2043, 2180, 2300, 2310, 2507, 2533, 2534, 2579, 2608, 2640, 2650, 2655, 2665, 2670(F), 2680, 2695, 2720, 2744, 2748, 2750, 2760, 2770, 2790, 2832, 2833, 2834, 2836, 2850, 2862, 2867, 2891, 2892, 2893, 2900, 2895, 2895(F), 2910, 2923, 2943, 2948, 2959, 3040, 3050, 3053, 3311, 3317, 3445, 3570, 3690, 3708, 3720, 3735, 3765, 3843, 3880, 3890, 3920, 3921, 3960, 3990, 3990(F), 4000, 4000(F), 4065, 4065(F), 4080, 4080(F), 4126, 4130, 4140, 4200, 4210, 4535, 4540, 4690, 4760, 4780, 4820, 4820(F), 5020, 5020(F), 6106, 7080, 8268, 8280, 8290, 8290(F), 8328, 8375, 8380, 8472, 8525, <b>8575</b> , 8555, 8863, 8873, 8875, 8977, 8999, 8999(F), 9215, 9220, 9240, 9250, 9260, 9275, 9315, 9325, 9505, 9525, 9975, 9979, MRCs

# ENCLOSURE 6

## REVISIONS TO CDTs VOLUME 10, CHAPTER 3, TABLE OF CONTENTS

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**Red Bold Italics** denote additions.

### TABLE OF CONTENTS

CHAPTER NUMBER	TITLE	PAGE NUMBER
CHAPTER 1	RETURN ACTION CODES	TBD
CHAPTER 2	CROSS, REFERENCES, CHARTS AND GRIDS	TBD
CHAPTER 3	TABLES (LISTED BELOW)	TBD

### CHAPTER 3 TABLE OF CONTENTS

VOL TEN TABLE NUMBER	VOL TEN TABLE NAME	PAGE NUMBER
[...]	[...]	[...]
TABLE 79	Unit of Issue Conversion Factors	TBD
<b>TABLE 80</b>	<b><i>Unit of Measure Compatibility Table</i></b>	<b><i>TBD</i></b>
TABLE 81	Unit of Measurement Designations	TBD
[...]	[...]	[...]

## ENCLOSURE 7

### REVISIONS TO CDTs VOLUME 11, LAM AND LCM RETURN CODE AND DRN COMBINATION

---

*Red Bold Italics* denote additions.

#### 11.3 TITLE - DIC LAM - ADD CATALOG MANAGEMENT DATA

RETURN CODE	DRN	DATA ELEMENT NAME	FORMAT	EDIT/VALIDATION CRITERIA
<i>IV</i>	<i>8575</i>	<i>QUANTITATIVE EXPRESSION</i>	<i>0013 X</i>	<i>IF THE UNIT OF ISSUE IS NONDEFINITIVE, AND THE PICA RECORDED/SUBMITTED FOR THE PICA RECORDED/SUBMITTED FOR THE MOE RULE NUMBER IS OTHER THAN KX OR 54 DEFENSE SUPPLY CENTER PHILADELPHIA (DSCP)/VETERANS ADMINISTRATION (VA) MEDICAL, THE QUANTITATIVE EXPRESSION MUST BE PRESENT AND THE PHRASE CODE MDL MUST BE K (SEE VOLUME 10 TABLES 53, 108 AND 80; AND VOLUME 13).</i>

#### 11.3 TITLE - DIC LCM - CHANGE CATALOG MANAGEMENT DATA

RETURN CODE	DRN	DATA ELEMENT NAME	FORMAT	EDIT/VALIDATION CRITERIA
<i>IV</i>	<i>8575</i>	<i>QUANTITATIVE EXPRESSION</i>	<i>0013 X</i>	<i>IF THE UNIT OF ISSUE IS NONDEFINITIVE, AND THE PICA RECORDED/SUBMITTED FOR THE PICA RECORDED/SUBMITTED FOR THE MOE RULE NUMBER IS OTHER THAN KX OR 54 DEFENSE SUPPLY CENTER PHILADELPHIA (DSCP)/VETERANS ADMINISTRATION (VA) MEDICAL, THE QUANTITATIVE EXPRESSION MUST BE PRESENT AND THE PHRASE CODE MDL MUST BE K (SEE VOLUME 10 TABLES 53, 108 AND 80; AND VOLUME 13).</i>

## ENCLOSURE 8

### REVISIONS TO CDTs VOLUME 12, CHAPTER 4, DATA RECORD NUMBER (DRN) DEFINITIONS

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*Red Bold Italics* denote additions.

#### CHAPTER 4 DATA RECORD NUMBER (DRN) DEFINITIONS and OTHER RECORD DATA

DRN	8575
Host/COBOL Name	QNTV-EXPRSN
DB2 Element Name	QNTV_EXPRSN_8575
Format FV, Type, LG	CHAR, F, 13
Clear Text Name of the Host/COBOL Name	QUANTITATIVE EXPRESSION
Clear Text DRN Definition	AN EXPRESSION WHICH SPECIFIES THE CONTENT (DECIMAL LOCATOR, QUANTITY AND UNIT OF MEASUREMENT) OF THE NONDEFINITIVE UNIT OF ISSUE ASSIGNED TO AN ITEM OF SUPPLY. SEE VOLUME 10, TABLE 81, <i><b>TABLE 80</b></i> , AND QUICK INFO ON-LINE.

# ENCLOSURE 9

## REVISIONS TO FLIS DB2 TABLE 291 – RETURN\_ACTION\_CD

**Red Bold Italics** denote additions to this table.

### FLIS DB2 TABLE 291 RETURN\_ACTION\_CD

RTN_CD _9480	DIDS_SEG_ CD_8999	SEQ_KEY _3043	RTN_CD_CMMT _4559	RTN_DEF_INST_3140
[...]	[...]			[...]
IT	P			WHEN THE TYPE II IS 2, ANY ITEM NAME CODE AND CAGE CODE COMBINATION APPEARING ON TABLE 20 IN INVALID.
IT	Q			WHEN THE TYPE II IS 2, ANY ITEM NAME CODE AND CAGE CODE COMBINATION APPEARING ON TABLE 20 IS INVALID.
<b><i>IV</i></b>	<b><i>H</i></b>			<b><i>THE SUBMITTED OR RECORDED DATA ELEMENT(S) HAS INVALID FORMAT OR DOES NOT APPEAR ON THE APPROPRIATE VALIDATION TABLES. A SEGMENT H, P, OR Q WILL BE RETURNED AS APPLICABLE, DEPENDING UPON THE DRNS INVOLVED.</i></b>
IV	P			THE SUBMITTED OR RECORDED DATA ELEMENT(S) HAS INVALID FORMAT OR DOES NOT APPEAR ON THE APPROPRIATE VALIDATION TABLES. A SEGMENT <b><i>H, P, OR Q</i></b> WILL BE RETURNED AS APPLICABLE, DEPENDING UPON THE DRNS INVOLVED.
IV	Q			THE SUBMITTED OR RECORDED DATA ELEMENT(S) HAS INVALID FORMAT OR DOES NOT APPEAR ON THE APPROPRIATE VALIDATION TABLES. A SEGMENT <b><i>H, P, OR Q</i></b> WILL BE RETURNED AS APPLICABLE, DEPENDING UPON THE DRNS INVOLVED.
IY	Q			YOUR SUBMITTAL WOULD RESULT IN THE SAME NSN BEING RECORDED IN MORE THAN ONE DOD I&S FAMILY.
IZ	Q			SUBMITTAL, IF PROCESSED, WOULD HAVE RESULTED IN ESTABLISHMENT OF AN INVALID COMBINATION OF ITEM STANDARDIZATION CODES BETWEEN THE REPLACED AND THE REPLACEMENT ITEMS. REVIEW THE STANDARDIZATION DECISION TO VERIFY ITEM STANDARDIZATION CODE(S) FOR THE ITEMS. RESUBMIT WITH NECESSARY CORRECTIONS.
[...]	[...]			[...]

## ENCLOSURE 10

### REVISIONS TO FLIS DB2 TABLE 939 – BUOM\_CONVERSION

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Delete the following invalid records.

#### FLIS DB2 TABLE 939 BUOM\_CONVERSION

FLIS DATA ELEMENTS	DELETION (RECORD 1)	DELETION (RECORD 2)
UI_3050	PG	N
UI_DEFTV_IND_0786		M
UNIT_MEAS_CD_0107	MG	
PPSD_BUOM_0788		
BUOM_DEFTV_CF_0787		
QE_UOM_CNV_FC_0800	0	0
UNIT_MEAS_TRM_2347		
PPSD_BUOM_TRM_0799		
UI_TRM_5242		