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IN REPLY
REFER TO


October 09, 2012

MEMORANDUM FOR SUPPLY AND FINANCE PROCESS REVIEW COMMITTEE (PRC)
MEMBERS

SUBJECT: Approved Defense Logistics Management System (DLMS) Change (ADC) 1008,
Unit of Measure (UoM) Transition from Borrowed Codes to Migration Codes and
Establishment of New UoM for DLA Energy (Supply/Finance/Contract
Administration)

We are forwarding the attached approved change to Defense Logistics Manual (DLM) 4000.25, Defense Logistics Management System (DLMS), for implementation. Transition to migration codes requires joint implementation and is targeted for December 1, 2012. The new UoM value established by this ADC for DLA Energy is effective immediately. The UoM value must be added to the DLMS conversion guide used by DLA Transaction Services and Wide Area Workflow (WAWF) no later than October 31, 2012 to preclude operational impact.

Addressees may direct questions to Ms. Ellen Hilert, Supply PRC Co-chair, 703-767-0676, DSN 427-0676, e-mail: ellen.hilert@dla.mil; Mr. Robert Hammond, Finance Process Review Committee Chair, 703-767-2117, DSN 427-2117, email: robert.hammond@dla.mil; or Ms. Samantha Khuon, 703-767-5288, DSN 427-5288, e-mail: samantha.khuon@dla.mil. Others may direct questions to their Service or Agency designated Supply PRC representative.


for DONALD C. PIPP
Director
DLA Logistics Management
Standards Office

Attachment
ADC 1008

cc:
ODASD(SCI)
ODASD DPAP (PDI)
WAWF PM

Attachment to ADC 1008
Unit of Measure (UoM) Transition from Borrowed Codes to Migration Codes and
Establishment of New UoM for DLA Energy

1. ORIGINATING SERVICE/AGENCY AND POC INFORMATION: Ellen Hilert,
Defense Logistics Management Standards Office, 703-767-0676 (DSN 427), e-mail:
ellen.hilert@dla.mil

2. FUNCTIONAL AREAS: Supply, Finance, Contract Administration

3. REFERENCES:

a. ADC 239/239A, DLMS Unit of Material Measure (Unit of Issue/Purchase Unit)
Conversion Guide Update, May 14, 2007/July 2, 2007.

b. PDC 274, Establishment of Borrowed Codes for DLMS Unit of Measure (Unit of
Issue/Purchase Unit) Conversion Guide, dated August 9, 2007.

c. PDC 328, Administrative Update to American National Standards Institute Accredited
Standards Committee X12 Unit of Material Measure (Unit of Issue/Purchase Unit) Conversion
Guide

d. ADC 329, Use of Borrowed and Migration Codes in DLMS Supplements, dated June
23, 2009.

e. Deputy Chief Management Officer (DCMO) Unit of Measure Data Standard
Initiative, DCMO Enterprise Business Integration Briefing, September 11, 2012. Refer to
Enclosure 3.

f. ADC 476, New UoM Conversion Codes for DLA Energy, dated March 21, 2012.

4. REQUESTED CHANGE(S):

a. **Overview of Change:** This ADC revises the DLMS guidance to use migration codes
for the data elements associated with the X12 Unit of Measure (UoM). In accordance with this
change current borrowed UoM codes are to transition to migration codes, including borrowed
codes approved in References 3.a. and 3.d. Significant changes since staffing are identified in
green highlighting.

b. Background:

(1) DLMS transactions are based upon the commercial standard for Electronic
Data Exchange (EDI) as approved by the American National Standards Institute (ANSI)
Accredited Standards Committee (ASC) X12. When the commercial standard does not have an
available code identifying a data element or a code value within a data element, a decision must
be made to use a “borrowed” code, “migration” code, or “local” code. (See section 4.d. below,
for the DLMS Volume 1 explanation of borrowed, migration, and local codes.)

(2) In order for DLMS transactions to comply with EDI X12 syntax, the UoM passed in the DLMS must use code values assigned by ASC X12. The optimum situation occurs where the DOD UoM and the commercial standard carry the same code values for a specific UoM definition. However, this is not always the case, and so a conversion guide is required to align the DOD and X12 codes. In some cases the DOD UoM code is converted to an X12 UoM code that clearly has the same semantic meaning (e.g. DOD UoM Code BI, Belt, is converted to X12 UoM Code BT, Belt). In other cases there may not be an X12 UoM code that reasonably equates to the DOD UoM code. When there is no semantically equivalent X12 code in the same version/release of the X12 standard being used, the established practice set by reference 3.a. was to “borrow” an existing X12 code from the same X12 version/release and request that ASC X12 create a semantically equivalent code for a future version/release of the X12 standard.

(3) Even though X12 creates an equivalent code in a future release of the standard, the DLMS Supplement (and thus implementers) can only migrate to the new UoM code if there is a DOD enterprise decision to migrate the entire supplement to a current version of the standard. Due to the complexity and cost associated with migrating to new X12 versions/releases, this would occur only for a significant functional need that could not be met by the currently employed standard. Such circumstances are not considered likely; DLMS Supplements are very rarely migrated to a higher version. DLMS Supplements in current use are X12 version/releases 4010 and 4030. X12 4030 was released in December 1999. The current X12 standard is now at version 6040.

(4) The use of borrowed codes causes complications in sorting out the X12 codes among differences in the UoM lists recorded by DLMS, Wide Area Workflow (WAWF), and the Procurement Data Standard (PDS). The PDS uses text names and is not X12 version/release specific, but does align with the higher version code equivalents. WAWF authorized use of the higher version codes within the WAWF version 4010 transactions when conversion codes were not previously established within the DLMS UoM conversion guide. The DLMS borrowed codes lead to confusion since the X12 code and name have no semantic relationship to its DOD use, and can cause problems should the code borrowed in X12 later be identified as the proper equivalent for a new DOD UoM code. The difficulty in establishing UoM values for DLA Energy highlighted the need for a better business process. The DLA Logistics Management Standards Office concluded that the best course for the assignment of new codes needed by DLA Energy was for DOD to use a migration code strategy (Reference 3.f).

(5) The DOD Enterprise issues associated with UoM were presented to the BECCM COI for discussion on March 14, 2012. The BECCM COI provides governance for the DOD’s end-to-end business process enterprise standards. The DLA Logistics Management Standards Office provided input to the BECCM COI recommending a single authoritative source be established for the DOD Enterprise and that the use of borrowed codes should be eliminated as a method of aligning DOD UoM codes with an X12 equivalent. The BECCM endorsed the use of migration rather than borrowed codes. The Deputy Chief Management Officer (DCMO) subsequently provided status to the BECCM on August 29, 2012 and briefed the Federal Cataloging Committee on September 11, 2012 (latest slides shown at Enclosure 3).

(6) This ADC enables continued progress toward achieving the BECCM objective.

(7) Subsequent to staffing of PDC 1008, DLA Energy identified the need for a new UoM value in association with Transportation and Distribution (TD) Shipments interfacing with IS-Oil (an SAP Enterprise Resource Program (ERP) module). IS-Oil uses specific documents created to process movements of temperature (gravity, density, etc.) dependent materials and properly compensate for any quantity conversions that has to be done, as well as be able to determine that a difference in quantity loaded vs. quantity unloaded is or is not due to the difference in temperature between the load and discharge locations and, therefore, should or should not be processed as a gain/loss. For this process all documentation for petroleum products is assigned at a base unit of measure reflected as UG6 within the DLA application representing gallons at 60 degrees Fahrenheit. Since there is no available X12 value equivalent to UG6 a local code U6 will be assigned pending submission and approval for use in X12. U.S. Gallons @ 60 Degrees Fahrenheit identified by UoM Code U6 must be available for use in new contracts no later than November 1, 2012. This UoM must also be made available in the Procurement Data Standard (PDS) and WAWF.

(8) Subsequent to staffing of PDC 1008, a problem was identified concerning the UoM Exposure. WAWF and DCMO representatives identified a conflict for the code value EX: WAWF accepts the X12 definition of EX for “Feet, Inches and Fraction” without conversion to another value for internal DOD use. However, the DLMS conversion guide showed EX as the DOD code for Exposure. After research, it was determined that there would be no need to continue including Exposure in the DLMS conversion guide because the only use of EX at this time is as a quantitative express for non-definitive units of issue, e.g. a roll of film with 24 exposures. Removing the Exposure from the DLMS conversion guide has no negative impact and allows WAWF to continue using EX for Feet, Inches and Fraction. Eventually, it is planned that the duplicative use of EX will be remedied by aligning DOD code values with X12 code values and eliminating the need for code conversion.

c. Approved Change in Detail:

(1) Revise DLM 4000.25, DLMS, Volume 1, Chapter 5, Standards and Conventions, to clarify the preference of borrowing codes only where the X12 code has reasonable semantic equivalency, and insert guidance for the use of migration codes for the UoM.

(2) Establish a target date to cease use of borrowed codes in the UoM. See Enclosure 2 for the list of current borrowed codes to be replaced by migration codes for all implemented versions of the X12 standard. Where a migration code does not yet exist, DLA Logistics Management Standards Office submitted a request to create one and the local code is identified pending X12 approval.

(3) In conjunction with publication of this change, PDC 274 (Reference 3.b.) is formally withdrawn. This change addressed multiple borrowed codes as pending adoption of a higher version of X12 and is now obsolete.

(4) In conjunction with publication of this change, PDC 328 (Reference 3.c.) is formally withdrawn. This change established borrowed and migration codes for UoM Five and is now no longer applicable.

(5) Assign new UoM “United States Gallons @ 60 Degrees Fahrenheit” using local code U6 and equivalent two-position DOD value U6 (equivalent to internal DLA three-position UoM UG6).

d. **Revisions to DLM 4000.25:** Refer to Enclosure 2.

5. REASON FOR CHANGE: To revise the DLMS guidance on the use of borrowed and migration codes. Avoid contractual and coordination complications that come from the use of borrowed codes in the UoM.

6. ADVANTAGES AND DISADVANTAGES:

a. **Advantages:** Migration codes provide greater semantic clarity for UoM codes. Use of migration codes is consistent with WAWF approach for UoM values not previously assigned a conversion code. Use of migration codes closely aligns with PDS use of the text name. Use of migration codes avoids potential future conflicts with a borrowed code being unavailable as the proper mapping to a new DOD UoM.

b. **Disadvantages:**

(1) If the code does not already exist in the latest release of X12, then a code request must be submitted to ASC X12 to create a code in the UoM code list. A reasonable expectation would be about 3-6 months for a new code to be approved by ASC X12. A change to an existing code might take 6-9 months. In the interim a local code may be used, but there is a potential for the code value to be disapproved or changed during the X12 coordination.

(2) EDI transactions using migration or local codes are not fully compliant with the X12 standard. However, it is common practice among trading partners to support this method of identifying data content not available in the standard. Manual effort is required to update the X12 UoM code list so that migration codes or local codes pass syntax edits.

7. ADDITIONAL COMMENTS TO CONSIDER: Transitioning from borrowed to migration codes requires a coordinated start date so that all systems properly recognize codes. Retransmission of records created in the DLMS format prior to the transition may result in improper interpretation of the UoM. Additionally, there are multiple conflicting code usages among trading partners/authoritative code sources that will require re-alignment to prevent miscommunication of the UoM intent. Refer to Enclosure 3 for details and additional considerations.

8. ADDITIONAL FUNCTIONAL REQUIREMENTS: This change does not impact Component functional applications containing only the DOD UoM value and not the X12 code employed for DLMS transaction exchange. Refer to Enclosure 3 for next steps toward planned transition to X12 UoM codes within DOD.

9. TIME LINE/IMPLEMENTATION TARGET:

a. **Transition to Migration Codes.** The target date for transition to migration codes is December 1, 2012. Coordination between DLA Transaction Services and other trading partners

is required. This requirement is applicable to all systems using the DLMS conversion guide for transaction exchange in the DLMS format. Staggered implementation will not be authorized.

b. New UoM U. S. Gallons @ 60 Degrees Fahrenheit. The DLMS UoM conversion guide will be updated to add the new UOM for DLA Energy effective immediately. The new UoM value must be added to the DLMS conversion guide used by DLA Transaction Services and WAWF no later than October 31, 2012 to preclude operational impact. The text name must be added concurrently to the Procurement Data Standard.

10. ESTIMATED SAVINGS/COST AVOIDANCE ASSOCIATED WITH IMPLEMENTATION OF THIS CHANGE: Not available.

11. IMPACT:

a. New DLMS Data Elements: None

b. Changes to DLMS Data Elements: The conversion guide must be updated to replace the borrowed codes with the migration codes as shown in Enclosure 1. A new UoM is established for United States Gallons @ 60 Degrees.

c. Component DLMS-Compliant Automated Information Systems (AIS): Component applications will need to implement the conversion guide to change from the borrowed codes to the migration codes for transaction exchange.

d. DLA Transaction Services: Implement the conversion guide to change from the borrowed codes to the migration codes and add the new value for United States Gallons @ 60 Degrees. DLA Transaction Services must coordinate implementation with other parties as applicable (see DLA and Navy comment at Enclosure 4).

e. WAWF: Implement the conversion guide to change from the borrowed codes to the migration codes and add the new value for United States Gallons @ 60 Degrees Fahrenheit. DCMO and DPAP to resolve impact of this change on historical records.

f. Procurement Data Standard (PDS): Add new UoM for United States Gallons @ 60 Degrees Fahrenheit.

Enclosure 1, DLMS Unit of Measure Conversion Guide Revisions

This table represents revisions to the Unit of Issue and Purchase Unit Conversion Guide (Unit or Basis for Measurement). The changes remove the use of borrowed codes in favor of migration codes and add one new local code.

UoM Text Name	DOD UoM Code	ASC X12 UoM Codes (X12 Data Element 355)			Replacement DLMS Dictionary Note
		Borrowed Code	Borrowed Code X12 Name	Migration/Local Code	
Apothecary Grain	GX	UG		OG	X12 Version Release 005030 Migration Code. Refer to ADC 1008. [Code UG was previously assigned as local code. The existing mapping to the ASC X12 Migration Code OG will be the code to use across all ASC X12 version releases.]
Apothecary Ounce	AO	32	Kilograms per Air Dry Metric Tons	9O	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
Apothecary Pound	AP	33	Kilopascal Square Meters per Gram	9A	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
Apothecary Scruple	AS	34	Kilopascals per Millimeter	ZY	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
Barrel, Dry	B2	35	Milliliters per Square Centimeter Second	ZW	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
Barrel, Liquid	B1	36	Cubic Feet per Minute per Square Foot	ZX	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
Briquet	BQ	4J	Meters Per Second Per Second	9B	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
Exposure	EX	IW	Inches Per Second Per Second (Vibration Acceleration)	JX	Deleted. [UoM Exposure was shown in PDC 1008 with a planned transition to migration value JX; however, it was later learned that DOD UoM EX conflicts with existing use of EX as the DOD/WAWF/X12 UoM Feet Inches Fraction. Because Exposure is not currently required as a DOD unit of issue or purchase unit it is removed from the DLMS conversion guide at this time. See Enclosure 4.]
Five	FV	R1	Pica	Q9	X12 Version Release 005030 Migration Code. Refer to ADC 1008.

UoM Text Name	DOD UoM Code	ASC X12 UoM Codes (X12 Data Element 355)			Replacement DLMS Dictionary Note
		Borrowed Code	Borrowed Code X12 Name	Migration/Local Code	
Fold	FD	FW	Inches Per Second Per Second (Vibration Acceleration)	9F	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
Hospital Beds	HB	K3	Kilovolt Amperes Reactive Hour	HX	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
Kilovolt	KV	UJ	Inches Per Second (Linear Speed)	K8	X12 Version Release 006050 Migration Code. Refer to ADC 1008.
Operating Unit	OU	JE	Joule Per Kelvin	OU	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
Outlet	OL	JK	Mega Joule per Kilogram	OB	X12 Version Release 005030 Migration Code. Refer to ADC 1008.
Pellet	PX	KO	Millicquivalence Caustic Potash per Gram of Product	I2	X12 Version Release 005030 Migration Code. Refer to ADC 1008.
Pillow	PI	KQ	Kilopascal	9P	X12 Version Release 005030 Migration Code. Refer to ADC 1008.
Retinal Unit	UR	UR	Application		Deleted. [Retinal Unit was shown in the conversion guide, but does not equate to a FLIS or X12 UoM value. Retinal Unit does not appear to be a valid UoM for DOD use.]
Seat	ST	JG	Joule per Gram	9S	X12 Version Release 005020 Migration Code. Refer to ADC 1008.
Thousand Gallons Per Day	GT	5C	Gallons per Thousand	NZ	X12 Version Release 005030 Migration Code. Refer to ADC 1008.
United States Gallons @ 60 Degrees Fahrenheit	U6			U6	Local code pending X12 approval. Refer to ADC 1008. [A code request will be submitted to ASC X12 establishing United States Gallons @ 60 Degrees Fahrenheit as a UoM and requesting U6 as the code value. However, ASC X12 may assign a different code.]
United States Pharmacopoeia (USP) Unit	US	US	Dosage Form	9Z	X12 Version Release 005020 Migration Code. Refer to ADC 1008. [The DOD UoM Code US for United

UoM Text Name	DOD UoM Code	ASC X12 UoM Codes (X12 Data Element 355)			Replacement DLMS Dictionary Note
		Borrowed Code	Borrowed Code X12 Name	Migration/Local Code	
		JM	Megajoule/Cubic Meter		States Pharmacopoeia (USP) Unit has three entries in the conversion guide. Two mappings to borrowed codes are being removed and the existing mapping to the ASC X12 Migration Code 9Z will be the code to use across all ASC X12 version releases.]

Enclosure 2, DLMS Manual Revisions

Revise DLM 4000.25, DLMS, Volume 1, Chapter 5, Standards and Conventions, as shown below in *red-bold-italics*.

“C5.1.6. DLMS Qualifiers”

C5.1.6.1. DLMS qualifiers are codes used in the ASC X12 based DLMS Supplement to identify a specific data element. The qualifier value is selected from codes approved for use by ASC X12 in the version/release applicable to the DLMS Supplement. At times there is no suitable qualifier available within the X12 dictionary and an alternative code must be used to identify and pass the data associated with the business process. There are three methods used to accomplish this:

C5.1.6.1.1. Borrowed Code. Use of a “borrowed code” refers to establishing an agreement among all trading partners to use a valid X12 code at the correct version by altering the code’s semantic meaning (i.e., the code is used because it conforms to syntax rules, even though its intended meaning is different from its use in the identified context). The borrowed value must be a value that is otherwise unused by the trading partners allowing its definition to be mutually changed. When a borrowed code is identified for DLMS use, DLA Logistics Management Standards shall submit an ASC X12 data maintenance (DM) action to establish a new qualifier to be approved for use in a higher (future) ASC X12 version/release. The borrowed code may be used indefinitely until DoD migrates to a higher version of ASC X12, but, more likely, will be permanent since migration to higher versions is very rare. Data element 1270, codes are associated with a specific industry code list, when they are over ridden by DLMS use, the specific DLMS use must be identified.

C5.1.6.1.2. Migration Code. A “migration code” is a code from a higher (but existing) ASC X12 version that is used in a lower version. The semantic meaning and syntax are consistent with the higher version. Use of a migration code refers to establishing agreement among all trading partners to use a valid X12 code from a higher version, with its approved X12 definition, at a lower version of X12. ASC X12 refers to the use of a migration code within implementation guidance as a superset. Manual intervention may be needed for some commercial applications to accept the higher version code.

C5.1.6.1.3. Local Code. A “local code” is a code value that is not in the current version, and has not been established at a higher ASC X12 version. A Data Maintenance (DM) action may be in process to establish the code in a higher version. Once approved by ASC X12, the local code becomes a migration code. Manual intervention may be needed for some commercial applications to accept the local code.

C5.1.6.2. DLMS Preference for Borrowed Codes over Migration or Local Codes. To maintain consistency between the logistics and transportation domains, the DLMS will use codes from the current version of ASC X12 whenever feasible. The preference for documentation of new codes when they are not available in the current version is to use borrowed codes, *where*

there is a reasonable contextual equivalent. When the list of borrowed codes for a data element has been exhausted or a suitable code cannot be found, migration codes *or local codes* are an acceptable alternative and will be approved by the PRC Chair/Administrator on a case-by-case basis. *An exception to this preference is for unit of measure codes. Unit of measure codes will map to the matching ASC X12 code for the applicable version/release or a migration code. Where ASC X12 lacks a unit of measure code in the current version/release or a migration code, a DM must be submitted to ASC X12 to create the code and a local code will be assigned until such time as that migration code is approved by ASC X12.* When codes are borrowed in the logistics domain, DLA Logistics Management Standards shall continue to submit code changes to ASC X12 to add the code to a future version. Local codes shall only be used where a DM action has been submitted, but the associated DLMS Supplement *and system applications* must be updated as soon as practical after ASC X12 completes the approval of the requested value. *It is possible that the approved code value will differ from the local code; in this case, the DLMS Supplement and system applications shall be updated to reflect the approved migration code based upon issuance of an administrative ADC.”*

Enclosure 3 DCMO UoM Data Standard Initiative Briefing

Problem:

- DoD needs to establish one Data Standard for UoM/UI and one Authoritative Master Reference Data repository for both Functional(s) and Systems Integrators
 - Currently, translation tables and data is maintained by various Functional communities (Logistics, Procurement, Finance, Real Property, WSLM, HRM)
 - Nearly all ERP programs building interface to Entitlement and Financial systems have expressed invoice challenges at Entitlement for UoM
 - Approximately 31% of suspended invoices from WAWF to IAPS are due to a Unit of Issue problem
 - End to End data integration across Logistics, Procurement and Financial domains has been problematic for numerous modernizing ERP programs
 - Lack of Enterprise-wide mediation strategy or roadmap to reduce mapping to Legacy DoD data codes
 - There are currently 134 unit of issue codes that have a conflict between the DoD code and the X12 code

Recommendation:

- Establish ANSI ASC X12 as the Data Standard for UoM
- DoD needs to move forward and transition away from the Legacy DoD Codes for Unit of Issue (UI) and Unit of Measure to enable cross-domain interoperability for information exchanges and to support E2E cross-functional alignment for system implementation
- Establish BEA web site as DoD Reference Master Data
- Leverage FLIS Portfolio Data Warehouse (FPDW) to enable system migration to target values
 - Work with ERPs and AISs to ensure system changes are in place to be compliant to BEA

Discussion Points:

- The DoD Logistics, Procurement, Financial communities and Commercial Industry have moved almost exclusively to the ANSI X12 Standard (or xml equivalent) for information exchange
 - Example: Procurement Data Standard and DLMS are based on X12 UoM values/data codes
- Most Logistics systems have set up the interface to the FLIS NSN catalogue, so the UI data code associated with the item should be an automated update based on the feed from FPDW
 - DCMO in coordination with FLIS for impact and feasibility analysis
- Most DoD Components are moving to Master Data strategies, the Federal Logistics Information Service (FLIS) Portfolio Data Warehouse (FPDW) enables a publish/subscribe for Customer, Item and Vendor master records from Authoritative Data Sources

Challenges to Transition to ANSI X12:

- Several Unit of Issue(s) and their related codes, listed below, are already resident in FLIS and the recommended UI codes are already assigned to another Unit of Issue.

<u>Unit of Issue</u>	<u>Old UI</u>	<u>Recommended UI from ASC X12</u>
Barrel	BL	BR
Bottle	BT	BO
Cubic Yard	CD	CY
Case	CS	CA
Cylinder	CY	CL
Liter	LI	LT
Roll	RO	RL
Skid	SD	SV
Spool	SL	SO

- There is a DB2 Table “BUOM_CONVERSION” that FLIS maintains that shows what UI codes can be used in the Quantitative Expression for a non-definitive UI that would need to be updated.
- FLIS, EBS, and all the Service legacy systems will need to be updated with the new codes if this recommendation goes forward.

Challenges to Transition to ANSI X12:

- Other Unit of Issue(s) and their related codes, listed below, are not resident in FLIS but the recommended UI codes are assigned to a U/I that is already resident in FLIS.

<u>Unit of Issue</u>	<u>UI</u>	<u>Recommended UI from ASC X12</u>
Belt	BI	BT
Beam	BM	BE
Block	BZ	BL
Combo	C3	CZ
Connector	CR	CK
Cassette	CX	CS
Gram	GM	GR
Half Dozen	HZ	HD
Hundred Kilograms	KH	HK
Carat	KR	CD
Linear Inch	LN	LI
Long Ton	LO	LG
Microgram	M5	MC
Milligram	MG	ME
Mixed	MZ	MX
Pounds, Gross	PO	PG
Shipment	SB	SX
Section	SN	SE
Sleeve	SV	SL
Thousand Square Feet	TZ	TS

Next Steps

- Resolve data code challenges listed on previous slides
 - Determine how to establish Enterprise Mediation capability until DoD can transition the data codes to ANSI (leverage DLA Transaction Services and GEX)

- DLA Logistics Management Standards (DLMSO) Proposed Change (PDC 1008) UoM Transition from Borrowed Codes to Migration Codes and ADC 476, New UoM Conversion Codes for DLA Energy

www.dla.mil/j-6/dlms/eLibrary/changes/DLMS/PDC/PDC_1008UoMTransitionBorrowedMigrationCodes4.pdf

[www.dla.mil/j-6/dlms/eLibrary/changes/DLMS/ADC/ADC_476_New_UoM_ConvCodes_DLA_Energy\(final\).pdf](http://www.dla.mil/j-6/dlms/eLibrary/changes/DLMS/ADC/ADC_476_New_UoM_ConvCodes_DLA_Energy(final).pdf)

- DCMO will sponsor an update to the Federal Logistics Information Service (FLIS) Portfolio Data Warehouse (FPDW) to include a UoM/UoI Master table for the business term and X12 Code for systems to consume as a part of this transformation (SOA Publish/Subscribe service)
- Publish UoM Reference Master Data in BEA 10.0 for Compliance

<http://dcmo.defense.gov/products-and-services/business-enterprise-architecture/9.0/index.htm>

- DCMO will sponsor the UoM data element going forward and work with FLIS to ensure that the Reference Master data is maintained both in the BEA and at the FPDW

Enclosure 4, Comment Resolution

	Originator	Response/Comment	Disposition
1.	DLA	<p>1. No impact on DLA Enterprise Business System (EBS); DLA Transaction Services will ensure proper code is used during translation performed as DLA service.</p> <p>2. DLA Energy requires a new UoM be established in support of the new Oil and Gas functionality. It seems the two digit X12 code of "U6" is available and we are requesting that be our EBS unit "UG6" (US Gal @60deg) standard. We have a short turnaround timeline and are requesting we get this added to Transaction Services by OCT 26th. This is prior to the weekend will be bring Petroleum materials into EBS with a UG6 Base Unit of Measure. It seems we may need to have this for certain Contract awards posted to EDA. (New contract awards will not be posted until about 2 weeks beyond the above date, so we may be able to be a little more flexible). Ultimately we will need to add this to WAWF coding as well for certain contract receipts.</p>	<p>1. Noted.</p> <p>2. This ADC is updated for a new local value for UoM U6 indicating US Gal @60 degrees and we will submit a data maintenance request to X12. Will request this UoM be added to the procurement data standard. We have established October 31, 2012 for joint implementation.</p>
2.	Army	Concur	Noted.
3.	Air Force	Concur	Noted.
4.	Marine Corps	Concur	Noted.
5.	DLA	Concur	Noted.
6.	Navy	<p>The Navy concurs with the PDC as written.</p> <p>However, Navy ERP is currently using the borrowed codes and will require a change to adhere to this PDC. The change is going to require Navy ERP to stop all inbound and outbound traffic in order to achieve the needed results. We will also need to do some coordination to have RSupply Ashore updated properly. As such, it is going to be necessary for DLA Transaction Services to have further discussion with us to determine the proper timing of the changes in our legacy systems. We will need to be kept apprised of the timeline for implementation and will need to work together to ensure everything is implemented properly.</p>	Noted.
7.	DCMO	<p>Concur.</p> <p>Resolution is required for the conflicting UoM assignments for the value EX used in X12 and WAWF for UoM "Feet Inches</p>	<p>Noted.</p> <p>Conflict resolved. See below.</p>

	Originator	Response/Comment	Disposition
		Fraction” (but also listed as the DOD value for Exposure).	
8.	DLA Logistics Information Service	<p>Clarification provided: The codes EX and JX are not in FLIS as Units of Issue (UIs) but EX is used as a Unit of Measure (UM) on 372 NIINs, JX is not recorded as a UoM in FLIS. What that means is that even though FLIS does not record UoMs they are used in the quantitative expression on items that have a non-definitive UI.</p> <p>Example: UI = RL (Roll) and the quantitative expression is recorded with a 'K' phrase code "00000000024EX" (e.g., 24 exposures per roll of film).</p> <p>To make the change from EX to JX the following actions would be needed.</p> <ol style="list-style-type: none"> 1. Update the BUOM CONVERSION Table in FLIS. 2. Determine who is the PICA of the 372 items and get their concurrence to update the NIINs 3. Update the 372 NIINs with the new quantitative expression. 	<p>Because EX is NOT currently communicated in a DLMS transaction as a unit of issue or a purchase unit, it can be removed from the DLMS conversion guide. This eliminates the need to establish the migration code JX in association with the UOM Exposure in the DLMS conversion guide. Removing the Exposure from the DLMS conversion guide will prevent continued confusion and duplicative assignment of the value EX. Eventually, the DOD EX will be replaced by the X12 migration code JX for Exposure (under DCMO way ahead).</p>
9.	WAWF	Concur (based upon updates provided in ADC)	Noted.
10.	DPAP (PDI)	Concur (based upon updates provided in ADC)	Noted.