April 01, 2014

MEMORANDUM FOR SUPPLY PROCESS REVIEW COMMITTEE (PRC) MEMBERS

SUBJECT: Approved Defense Logistics Management Standards (DLMS) Change (ADC) 1108, New Unit of Measure (UoM) for DLA Energy: Liters at 15 Degrees Celsius (Supply, Finance, and Contract Administration)

      The attached change to DLM 4000.25, Defense Logistics Management System and DLM 4000.25-1, Military Standard Requisitioning and Issue Procedures (MILSTRIP) is approved for implementation. **Joint implementation is established as April 1, 2014. Staggered implementation is not authorized.**

      Addressees may direct questions to Ms. Ellen Hilert, DOD MILSTRIP Administrator, 703-767-0676 or DSN 427-0676, e-mail: ellen.hilert@dla.mil, or Ms. Heidi Daverede, DOD MILSTRIP Alternate, 703-767-5111; DSN 427-5111, e-mail: heidi.daverede@dla.mil. Others must contact their Component designated Supply PRC representative, available at: www.dla.mil/j-6/dlmso/CertAccess/SvcPointsPOC/allpoc.asp.

DONALD C. PIPP
Director
Defense Logistics Management
Standards Office

Attachment
As stated

cc:
ODASD (SCI)
DPAP (PDI)
WAWF PMO
EDA PMO
DCMO

ADC 1108
New Unit of Measure (UoM) for DLA Energy: Liters at 15 Degrees Celsius

1. ORIGINATING SERVICE/AGENCY AND POC INFORMATION:

     a. Technical POC: Defense Logistics Management Standards Office, (703) 767-5111; DSN 427-5111.

     b. Functional POC: DLA Energy BAT, (703) 275-5729

2. FUNCTIONAL AREA: Supply, Finance, Contract Administration, Procurement

3. REFERENCES:

     a. DLM 4000.25, Defense Logistics Management System, Volume 1, Appendix 4

     b. Office of the Deputy Chief Management Officer (ODCMO), Draft Department of Defense Enterprise Standard: Unit of Measure, dated January 31, 2013.

4. APPROVED CHANGE(S):

     a. Brief Overview of Change: This ADC updates the DLMS Unit of Materiel Measure (Unit of Issue/Purchase Unit) Conversion Guide to add Liters at 15 Degrees Celsius with the corresponding X12 Code L5 and DOD code L5. This UoM is used in the DLA Energy Supply Chain in Electronic Business System.

     b. Background:

     (1) DLMS Manual, Volume 1, Appendix 4 (Reference 3.a.) specifies DOD data values established in DOD systems must be converted to the corresponding American National Standards Institute Accredited Standards Committee (ANSI ASC) X12 code values for transmission under the DLMS. The Unit of Materiel Measure (Unit of Issue/Purchase Unit) Conversion Guide is one of three conversion guides used to support DLMS transaction processing. The purpose of the conversion is to allow DOD systems to continue using DOD codes internally, and convert these to X12 codes only during transmission in order to pass translation compliance edits. When DOD codes are identified as missing or new, the equivalent X12 code must be identified and added to the conversion table. The equivalent X12 code may be equal to or similar to the DOD code value.

     (2) DLA Energy requires a new UoM to identify the number of liters at a given temperature (15 degrees Celsius) to support planned procurement actions for petroleum. Unlike other commodities, petroleum volume changes with temperature.

(3) The UoM Liters at 15 Degrees Celsius is not identified as an authorized measure in Accredited Standards Committee (ASC) X12 Version 4010 and 4030 standards, nor is it identified as a valid UoM in the draft DOD Enterprise Standard: Unit of Measure (Reference 3.b.).

c. <u>Describe Approved Change in Detail</u>:

(1) The Defense Logistics Management Standards Office will update the DLMS Unit of Materiel Measure (Unit of Issue/Purchase Unit) Conversion Guide to add Liters at 15 Degrees Celsius and the corresponding X12 Code L5 and DOD Code L5.

(2) In conjunction with this change, a concurrent change is requested to DCMO to update Reference 3.b. to facilitate recognition of this UoM by the procurement community and other domains.

(3) The Defense Logistics Management Standards Office will submit a Code Maintenance Request to ASC X12 to add L5 – Liters at 15 Degrees Celsius to Data Element 355, Unit or Basis for Measurement Code.

d. <u>Revisions to DLM 4000.25 Manuals</u>: Update DLM 4000.25 Volume 1, Appendix 4, Paragraph AP4.1, *8, **8, and *8* and the DLMS Unit of Materiel Measure (Unit of Issue/Purchase Unit) Conversion Guide to add Liters at 15 Degrees Celsius.

UoM Name Description	ASC X12 UoM (Data Element 355)	DOD UoM Code	Remarks
Liters at 15 Degrees Celsius	*L5*	*L5*	*Local code L5 is established. A data maintenance action has been submitted for establishment of "L5 – Liters at 15 Degrees Celsius" in a future X12 Version.*

e. Alternatives: None.

f. Proposed DLMS Change (PDC) 1108 Staffing Response/Comment Resolution:

Originator	Response/Comment	Disposition
DLA	Concur without comment.	Noted.
Air Force	Concur without comment.	Noted.

Originator	Response/Comment	Disposition
Army	Does DLA plan to change any existing NSNs with 'Liters' to the new 'Liters at 15 Degrees Celsius'? If so, then that will have an impact to LMP/GCSS-Army/AESIP if any of those NSNs are in our existing catalog.	Per DLA Energy, there are no plans to change the base unit of measure on any NSN's.
Navy	Concur without comment.	Noted.
Marine Corps	Concur without comment.	Noted.
USTRANSCOM	Approve.	Noted.

5. REASON FOR CHANGE: This change is required to enable processing for petroleum products using liters in lieu of gallons. A new UoM is required to uniquely identify Liters at 15 Degrees Celsius (X12 Code L5; DOD Code L5) as opposed to Liter (X12 Code LT; DOD Code LI), since the measurement is temperature sensitive.

6. ADVANTAGES AND DISADVANTAGES:

    a. Advantages: The use of Liters at 15 Degrees Celsius is required to allow contracting, procurement, and receipts to be done with a distinct UoM for petroleum products and to have the data map to the correct UoM in EBS. EBS will treat Liters differently than Liters at 15 Degrees Celsius and that difference is crucial to the processing designed for the Petroleum Supply Chain.

    b. Disadvantages: DLA Energy cannot move forward with processing of petroleum products in Liters at 15 Degrees of Celsius without the new UoM L5.

7. ESTIMATED TIME LINE/IMPLEMENTATION TARGET: Joint Implementation date is set for April 1, 2014.

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

9. IMPACT:

    a. New DLMS Data Elements: No new DLMS data elements are identified in this change.

    b. Changes to DLMS Data Elements: The conversion guide must be updated to add Liters at 15 Degrees Celsius as defined in this DLMS change.

c. **Automated Information Systems (AIS):**

    (1) **Component Systems** – Component applications will need to implement the change to the conversion guide identified in this DLMS Change.

    (2) **Wide Area Workflow (WAWF)** – Update UoM tables to reflect the code conversions identified in this DLMS Change.

    (3) **Procurement Data Standard (PDS)** – Add Liters at 15 Degrees Celsius as a valid UoM.

d. **DLA Transaction Services:** Implement the conversion guide for the new UoM identified in this DLMS change.

e. **Procurement Data Standard (PDS) –** Add Liters at 15 Degrees Celsius as a valid UoM.

Staffing Note: OSD DPAP plans to incorporate the new UoM in PDS Version 2.5 and in a future update to the Implementation Conventions for the 850 Purchase Order and 860 Purchase Order Change Request. Until those are published (and in the case of PDS, implemented by Global Exchange (GEX) validation changes), PDS transactions citing a UoM of L5 will fail validation, while the 850s and 860s have a small, but non-zero, chance of causing confusion with trading partners. OSD DPAP suspects that the list of EDI trading partners needing to cite a UoM of L5 is small enough that DLA can manage the latter issue in the interim.

f. **Non-DLA Logistics Management Standards Publications:** ODCMO to update Reference 3.b. to add Liters at 15 Degrees Celsius with code L5 as the X12 and equivalent DOD code value.