DEFENSE LOGISTICS AGENCY
HEADQUARTERS
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FORT BELVOIR, VIRGINIA 22060-6221

March 22, 2017

MEMORANDUM FOR SUPPLY PROCESS REVIEW COMMITTEE (PRC) MEMBERS

SUBJECT: Administrative Approved Defense Logistics Management Standards (DLMS) Change (ADC) 1254, Remove Unit of Measure Code Validation from DLMS XML Schemas

The attached change to DLM 4000.25, Defense Logistics Management Standards, is approved for implementation. The updated DLMS schema file will be posted to the DLMS Program Office Website at http://www.dlmso.dla.mil/elibrary/TransFormats/140_997.asp, within 10 days from the above date.

Addressees may direct questions to Sylvia Williams, DLMSSupply@dla.mil. Others must contact their designated Supply PRC representative available at http://www.dlmso.dla.mil/eLibrary/ServicePoints/allpoc.asp.

HEIDI M. DAVEREDE
Program Manager
Enterprise Business Standards Office

Attachment
As stated

cc:
ODASD(SCI)

ADC 1254
Remove Unit of Measure Code Validation from DLMS XML Schemas

1. ORIGINATING SERVICE/AGENCY AND POC INFORMATION:

a. Technical POC: Sylvia Williams, DLMS Data Manager, Enterprise Business Standards Office, (571) 363-9282, Sylvia.Williams@dla.mil

b. Functional POC: Sylvia Williams, DLMS Data Manager, Enterprise Business Standards Office, (571) 363-9282, Sylvia.Williams@dla.mil

2. FUNCTIONAL AREA:

a. Primary/Secondary Functional Area: Inventory/Issue

b. Primary/Secondary Functional Process: Disposal

3. REFERENCE:

a. Defense Logistics Manual (DLM) 4000.25, Defense Logistics Management Standards (DLMS), Volume 1, Concepts and Procedures

b. Defense Logistics Manual (DLM) 4000.25, Volume 1, Chapter 7, C7.4.1.3. Migration Code

c. Unit of Materiel Measure (Unit of Issue/Purchase Unit) Conversion Guide

4. REQUESTED CHANGE(S):

a. Brief Overview of Change: This administrative change modifies DLMS schema files using X12 Data Element (DE) 355, Unit or Basis for Measurement Code. The inclusion of unit of measure (UoM) code values under Data Element 355 will be turned off in all applicable XML schema files. This change lifts the UoM code restrictions in XML schemas that currently have this restriction in place.

b. Background: The manner in which UoM is handled in DLMS transactions complicates the inclusion of UoM codes in DLMS XML schemas. Reference 3.a. notes that UoM is one of the few coded elements that require a conversion between a DOD code list and the commercial standard X12 code values. Certain code values are failing validation because UoM uses migration codes[1]. A migration code is a code used from a higher ASC X12 version/release (e.g. 5030) that is used in a lower version/release (e.g. 4010). There is no easy method to add just the unique set of code values to the individual schemas without replacing the entire UoM validation table with a new validation table. For a number of DLMS transactions, the decision was made to not include this validation and leave it to the implementing system to validate the UoM code values. This change applies this principle to all DLMS transactions with Data Element 355, Unit or Basis for Measurement Code. Implementers are expected to use the DLMS XML schemas in combination with the DLMS Implementation Conventions (ICs) and the Unit of Materiel Measure (Unit of Issue/Purchase Unit) Conversion Guide (Reference 3.c.) for their programming effort, in order to guarantee proper validation of UoM code values.

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[1] For definition of migration code, please refer to Reference 3.b.

c. **Requested Change in Detail:**

(**1**) When the DLMS Program Office builds the underlying file used to manage DLMS ICs and XML schemas that convey Data Element 355, the data element will be used, but the code validation will be turned off. This change results in XSD files (XML schemas) without embedded X12 code values for validation. This change affects the DLMS XML schemas that correspond to the following DLMS ICs, which use DE 355 and have UoM code lists.

Number	X12 Version	Title
511M	4010	Requisition Modification
511R	4010	Requisition
527D	4010	Due-in/Advance Receipt /Due Verification
536L	4010	Logistics Reassignment Management Data
650A	4030	Assembly Component Maintenance Structure
832N	4030	Catalog Data Support
841W	4030	Hazardous Material/Hazardous Waste (HM/HW) Profile
842C/R	4030	Stock Screening Reply
842P	4030	Product Quality Deficiency Report (PQDR) Data Exchange
842S/Q	4030	Storage Quality Control Report
846C	4030	Disposition Category Update
846F	4010	SMCA Freeze/Unfreeze Action
846I	4010	Asset Status Inquiry/ Report
846P	4010	Physical Inventory Request
846S	4010	Logistics Reassignment Storage Transfer/Order/Reply
856	4010	Advance Shipment Notice (ASN)
856N	4010	Notice of Availability
945A	4010	Materiel Release Advice
945A	4030	Materiel Release Advice

(**2**) The DLMS Program Office will add the following note manually to the opening lines of all XSD files, prior to the start of the actual structural components of the XML schemas:

"Proper implementation of this schema is dependent on applying business rules documented in DLMS Notes for the same transaction structure of the source DLMS IC. Refer to the corresponding DLMS IC for more information. Use DLMS/ASC X12 conversion guides when applicable."

d. **Revisions to DLM 4000.25 Manuals:** None

e. **Alternatives:** None

5. REASON FOR CHANGE: The Air Force Integrated Logistics Systems-Supply (ILS-S) is not able to use current schemas because the generated schemas are missing certain code values in the UoM table validation.

6. ADVANTAGES AND DISADVANTAGES:

      a. **Advantages:** Corrects problem with the validation of DLMS XML schemas with Data Element 355.

      b. **Disadvantages:** This change may, on rare occasions, result in Component systems turning off code validation for all code values. This very low risk is mitigated by the fact that DAAS validates codes and would reject transactions with invalid code values.

7. ESTIMATED TIME LINE/IMPLEMENTATION TARGET: Authorized for immediate implementation.

8. ESTIMATED SAVINGS/COST AVOIDANCE ASSOCIATED WITH IMPLEMENTATION OF THIS CHANGE: None noted.

9. IMPACT:

      a. **New DLMS Data Elements:** This change does not introduce any new DLMS data elements.

      b. **Changes to DLMS Data Elements:** This change does not change any DLMS data elements.

      c. **Automated Information Systems (AIS):** All systems using the DLMS XML schemas affected by this change must implement this change. See a list of affected DLMS XML schemas under 4.c.(1).

      d. **Defense Automatic Addressing System (DAAS):** DAAS must implement the changes affecting DLMS XML schemas with unit of measure listed under 4.c.(1).

      e. **Non-DLM 4000.25 Series Publications:** None