May 5, 2014

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

SUBJECT: Administrative Approved Defense Logistics Management Standards (DLMS) Change
(ADC) 1112, Revise Federal Implementation Convention (IC) 856 Ship
Notice/Manifest to Identify Item Unique Identification (IUID) and Embedded IUID
Marks Data to the Receiving Report for Wide Area Workflow (WAWF)
(Supply/Contract Administration)

The attached administrative change to DLM 4000.25, Defense Logistics Management System
is approved for implementation. The WAWF Program Management Office is planning to deploy
this change in WAWF Release 5.6, targeted for August 1, 2014.

Addressees may direct questions to Ms. Ellen Hilert, DOD MILSTRIP Administrator, 703-
767-0676, DSN 427-0676, or e-mail: ellen.hilert@dla.mil, or Ms. Heidi Daverede, DOD
MILSTRIP Alternate, 703-767-5111; DSN 427-5111 or email: Heidi.Daverede@dla.mil. Others
may direct questions to their Service or Agency designated Supply PRC representative.

MAJ. JOHN BURNETT
Deputy Director
Defense Logistics Management
Standards Office

Attachment
As stated

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

ADC 1112

Administrative Approved Defense Logistics Management Standards (DLMS) Change (ADC) 1112, Revise Federal Implementation Convention (IC) 856 Ship Notice/Manifest to Identify Item Unique Identification (IUID) and Embedded IUID Marks Data to the Receiving Report for Wide Area Workflow (WAWF)

1. **ORIGINATOR:**

   a. **Service/Agency:** Defense Logistics Agency (DLA)

   b. **Originator(s):** DLA, DCMA, DSCA, Navy, and Army

2. **FUNCTIONAL AREAS:**

   a. **Primary:** Contract Administration and WAWF Receiving Report (RR)

   b. **Secondary:** IUID and embedded IUID Mark data

3. **REFERENCE:**

   a. Defense Logistics Agency (DLA) WAWF Engineering Change Proposal (ECP) 0761 IUID Registry Incorporation into WAWF Portal

   b. DLM 4000.25, Volume 7, Contract Administration, Chapter 2, Shipment Notification

4. **APPROVED CHANGE(S):**

   a. **Brief Overview of Change**: Add IUID and embedded IUID "Mark" information and all associated fields to the WAWF Receiving Report (RR). The WAWF RR is mapped to the commercial standard (American Standards Committee (ASC) X12) 856 Ship Notice/Manifest to provide functionality as an electronic data source for shipment information.

   b. **Background**:

      (1) The Wide Area Workflow (WAWF) is a DoD mandated system that allows the vendor to electronically submit invoices and receiving reports, and the Government to inspect, receive, accept information and pay electronically.

      (2) ECP 0761 (See Reference a) combines the business rules for both the IUID Registry and WAWF "up front" to one location. The functionality of the IUID Registry is migrating from its current location into the WAWF architecture. The scope of this migration includes procedures for data migration, user registration processes, data entry and updates into the IUID Registry using the IUID Registry XML Schema 5.1, while supporting existing XML and flat file formats, and direct web entry. The benefits of the new capabilities are increased efficiencies, reduced long term costs, and better access to acquisition data.

(3) All changes identified for the Federal IC 856 will also be applied to the Federal IC 857, Shipment and Billing Notice (also known as the COMBO).

    c. <u>**Describe Requested Change in Detail**</u>:

    (1) WAWF will add the "Mark" information and all associated fields based upon the current IUID Registry data entries, validations, and edits for new items. The new capability will allow for the capture of "Mark" information for the new UII (Parent UII and Embedded UII) items. This new capability applies to the Ship Notice / Manifest Receiving report (856).

    (2) For each "Mark" to be reported to the IUID Registry, vendors will submit a record comprised of at least a bagged or tagged code, contents, marker code and identifier, marker medium, value (except for UII marks), and the effective date of the event. The "Mark" information will be reported in a separate loop (HL03 Code X). It is mandatory that at least one of the "Marks" reported in the Mark loop be the UII.

    (3) Upon receipt of "Mark" information, WAWF will perform a direct update of the DOD IUID Registry records, vice the current use of transaction extracts. WAWF will read the UII received in the Mark loop (HL03 Code X) of the transaction and attempt to find the same UII in either the parent loop (HL03 Code D) or Embedded UII Loop (HL03 Code F). If the UII is not found in either the parent or embedded UII loop, WAWF will reject the transaction with an error because it was unable to assign the Mark to a parent UII or embedded UII.

    (4) The "Mark" information will not be extracted to downstream systems, so there is no impact to the DLMS 856 ASN.

    d. <u>**Revisions to DLM 4000.25 Manuals**</u>: There are no changes to DLMS procedures and transactions, since this information will NOT be extracted from WAWF to downstream DOD Component systems.

    e. <u>**Proposed Transaction Flow:**</u> Vendors will send "Mark" information in the 856 to WAWF through the Global Exchange (GEX). GEX will translate the 856 into a WAWF User Defined File (UDF). Once the translated UDF is received in WAWF, WAWF will update the WAWF IUID module to ensure the IUID Registry is updated.

    f. <u>**Alternatives:**</u> If the 856 Federal IC is not updated, it would require the vendors to add the "Mark" information manually via the web interface.

5. **REASON FOR CHANGE:** The WAWF Joint Requirements Board approved ECP 0761 for development and deployment as part of WAWF Version 5.6. Deployment is scheduled for August 2014. Changes are necessary to combine the UID Registry and WAWF into one platform and helps gain that efficiency.

6. **ADVANTAGES AND DISADVANTAGES:**

    a. <u>**Advantages**</u>: Increased efficiencies, reduced long term costs, and better access to acquisition data.

       b.   **Disadvantages**: Requires systems development to process enhanced IUID data content.

7.   **ADDITIONAL FUNCTIONAL REQUIREMENTS:**

       a. Modify the Federal IC 856 ASN per Enclosure 1.

       b. Comparable changes must be made to the Federal IC 857 Shipment and Billing Notice transaction. This transaction is used by vendors reporting to WAWF as a combination of shipping and billing information in a single transaction; it is not used with DOD trading partners (WAWF separates content into 856 Ship Notice/Manifest and 810 Invoice for DOD processing).

8.   **ESTIMATED TIME LINE/IMPLEMENTATION TARGET:** This update will be deployed in WAWF Release 5.6, targeted for August 1, 2014.

9.   **ESTIMATED SAVINGS/COST AVOIDANCE ASSOCIATED WITH IMPLEMENTATION OF THIS CHANGE:** Increased efficiencies and reduced long term costs. This update enables greater use of automated processes that require less manual intervention and increase data accuracy.

10. **IMPACT:**

       a.   **DLMS Data Elements:** There are no new DLMS data elements or changes to existing data elements, since changes are only being made to the Federal IC. The changes will not be extracted to the DLMS 856.

       b.   **Wide Area Workflow (WAWF):** Implement Federal IC changes to WAWF 856 and 857.

       c.   **Component Automated Information Systems (AIS):** No impact to Component Systems. WAWF will not extract "Mark" information to downstream systems.

       d.   **DLA Transaction Services:** Vendor transactions will continue to be routed through GEX and WAWF3-RA channels for translation and transfer to WAWF.

       e.   **Non-DLA Logistics Management Standards Publications:** The WAWF Program Management Office will update the WAWF Guides for 856 and 857 to reflect the changes identified by this DLMS Change.

Enclosure 1

Item #	Location	856 Ship Notice/Manifest Federal IC Revision	Reason
1.	2/HL/010	Add segment level Note 6: **6. For inclusion of Mark information associated with IUID data content, the Mark Loop (HL03 code X) will be a child loop to either the UID loop (HL03 code D) or Embedded UID loop (HL03 code F) depending on its association.**	Clarify business rule for Mark loop relationship to Parent and Embedded UID loops.
2.	2/HL03/010	Add the following code and note to Data Element HL03: **X Serial Number** **Use to provide Mark information associated with Parent UII (identified by a Parent UID loop) or an embedded UII (identified by an Embedded UID loop) for new or updated items in the IUID Registry.**	For each mark reported to the Registry, a record comprised of at least bagged or tagged code, contents, marker code and identifier, medium, value (except for UII marks), and the effective date of the event shall be recorded.
3.	2/REF/150	Add segment level note 10: **10. Use in 2/HL/010 Mark loops to provide Mark information related to parent or embedded UIIs. Repeat the REF segment as needed. For values exceeding the REF02 maximum field length limit of 30 characters, use the REF03 for the overflow. For values exceeding the REF02 and REF03 maximum field length limit (combined 110 characters), use the REF04 C04002, C04004, and C04006 as needed with appropriate qualifier cited in the C04001, C04003, and C04005.**	Clarify business rules for values exceeding REF02 and REF03 maximum field lengths authorized by X12 through use of the composite REF04.

| 4. | 2/REF01/150 (Used in HL03="X", Mark Loop) | Add the following codes and associated notes:

7M Frame
Use in Mark loop (HL03 code X) to identify the Mark content type Hull Number.

CT Contract Number
Use in Mark loop (HL03 code X) to identify the Mark content type Contract Number.

DX Department/Agency Number
Use in Mark loop (HL03 code X) to identify the Mark content type USN Number.

GU Internal Purchase Order Item Number
Use in Mark loop (HL03 code X) to identify the Mark content type Internal Asset Number. The Internal Asset Number may be carried in a combination of REF02 (30 characters), REF03 (80 characters), C04002 (30 characters), C04004 (30 characters), and C04006 (30 characters) for a maximum of 200 characters. When extending the Internal Asset Number into the composite data elements, the C04001, C04003, and C04005 must cite code GU.

JL Packet
Use in Mark loop (HL03 code X) as the Bagged/Tagged Indicator. Enter Y (Yes) or N (No) in the REF02.

K6 Purchase Description
Use in Mark loop (HL03 code X) to identify the Mark content type Item Nomenclature. The description may be carried in a combination of REF02 (30 characters), REF03 (80 characters), C04002 (30 characters), C04004 (30 characters), and C04006 (30 characters) for a maximum of 200 characters. When extending the description into the composite data elements, the C04001, C04003, and C04005 must cite code K6.

LT Lot Number
1. Use in Product Characteristics loop (HL03 code PH) to identify the batch/lot number.
2. Use in Mark loop (HL03 code X) to identify the Mark content type Lot Number.

NS National Stock Number
Use in Mark loop (HL03 code X) to identify the Mark content type National Stock Number. | Use to identify bagged or tagged code, contents, marker code and identifier, medium, value (except for UII marks), and added data. |

| 5. | 2/REF01/150

(Used in HL03="X", Mark Loop) | Add the following codes and associated notes: (continued)

PM Part Number
Use in Mark loop (HL03 code X) to identify the Mark content type Part Number. Cite the Part Number in the REF03.

Q5 Property Control Number
Use in Mark loop (HL03 code X) to identify the Mark content type Property Control Number.

Q8 Registration Number
Use in Mark loop (HL03 code X) to identify the Mark content type Registration Number.

SE Serial Number
Use in Mark loop (HL03 code X) to identify the Mark content type Serial Number.

SJ Set Number
Use in Mark loop (HL03 code X).

U3 Unique Supplier Identification Number (USIN)
1. Use in UID loop to identify the UII value. Cite the UII in REF03. Cite the serial number, when applicable, in REF02. When a batch, lot, or other type of production run number is included in the UII for uniqueness, this number may be cited in REF04 or in 2/SLN/040.
2. Use in RFID Content/Quantity loop to identify the UII value. Cite the UII in REF03.
3. Use in the Embedded loop to identify the UII of the item for which embedded information is being provided. Cite the UII in REF03.
4. Use as applicable in the Current Part Number loop to identify the UII of the item for which a new part number is being provided. Cite the UII in REF03.
5. Use in the Mark loop (HL03 code X) to identify the Mark content type UII. Cite the UII in REF03.

Y9 Current Certificate Number
Use in Mark loop (HL03 code X) to identify the Mark content type FAA Certification. The FAA Certification may be carried in a combination of REF02 (30 characters), REF03 (80 characters), C04002 (30 characters), C04004 (30 characters), and C04006 (30 characters) for a maximum of 200 characters. When extending the FAA Certification into the composite data elements, the C04001, C04003, and C04005 must cite code Y9. | Use to identify bagged or tagged code, contents, marker code and identifier, medium, value (except for UII marks), and added data. |

6.	2/REF01/150 (Used in HL03="X", Mark Loop)	Add the following codes and associated notes: (continued)	Use to identify bagged or tagged code, contents, marker code and identifier, medium, value (except for UII marks), and added data.
		ZA Supplier *Use in Mark loop (HL03 code X) to identify the Mark content type Supplier Name. The Supplier Name may be carried in a combination of REF02 (30 charactes) and REF03 (80 characters).*	
		AAG Military ID *Use in Mark loop (HL03 code X) to identify the Mark content type Service/Agency/Command. Authorized values for REF02 are:* *CHEMBIO* *MDA* *TRANSCOM* *SOCOM* *USARMY* *USAF* *USCG* *USMC* *USN*	
		AAL Agent Number *Use in Mark loop (HL03 code X) to identify the Mark content type USMC Number.*	
		AAU General Agency Number *Use in Mark loop (HL03 code X) to identify the Mark content type USA Number.*	
		AAW Agency Assigned Number *Use in Mark loop (HL03 code X) to identify the Mark content type USAF Number.*	
		ABS Vessel Name *Use in Mark loop (HL03 code X) to identify the Mark content type Vessel Class.*	
		PRT Product Type *Use in Mark loop (HL03 code X) to identify the Mark content type Type Designation. Type Designation is a series of letters and numbers based on a standard (usually military) that identifies the type/model/series of a piece of equipment. Examples: F/A-18C means Fighter/Attack Aircraft model 18 Series C. CVN-75 means Nuclear Aircraft Carrier Hull Number 75. The Type Designation may be carried in a combination of REF02 (30 characters) and REF03 (80 characters).*	

7.	2/REF01/150 (Used in HL03="X", Mark Loop)	Add the following codes and associated notes: (continued) *TIP - Technical Information Package* *Use in Mark loop (HL03 code X) to identify the Medium for the mark data. Authorized values for REF02 are:* *2D COMPLIANT* *NONCOMPLIANT DATA MATRIX* *HUMAN READABLE* *CMB* *PDF417* *BARCODE* *RFID* *DEFINED* *PROFILE*	Use to identify bagged or tagged code, contents, marker code and identifier, medium, value (except for UII marks), and added data.
8.	2/REF04-C04001/150 (Used in HL03="X", Mark Loop)	Add the following codes and associated notes: *GU Internal Purchase Order Item Number* *Use in Mark loop (HL03 code X) to identify the Mark content type Internal Asset Number.* *K6 Purchase Description* *Use in Mark loop (HL03 code X) to identify the Mark content type Item Nomenclature.* *Y9 Current Certificate Number* *Use in Mark loop (HL03 code X) to identify the Mark content type FAA Certification.* *ZA Supplier* *Use in Mark loop (HL03 code X) to identify the Mark content type Supplier Name.* *PRT Product Type* *Use in Mark loop (HL03 code X) to identify the Mark content type Type Designation.*	Establish qualifier to enable the overflow of the Mark content type descriptions to the Composite data elements in the event there is insufficient space in the REF02/REF03.
9.	2/REF04-C04003/ C04005/150 (Used in HL03="X", Mark Loop)	Add the following codes and associated notes: *GU Internal Purchase Order Item Number* *Use in Mark loop (HL03 code X) to identify the Mark content type Internal Asset Number.* *K6 Purchase Description* *Use in Mark loop (HL03 code X) to identify the Mark content type Item Nomenclature.* *Y9 Current Certificate Number* *Use in Mark loop (HL03 code X) to identify the Mark content type FAA Certification.*	Establish qualifier to enable the overflow of the Mark content type descriptions to the Composite data elements in the event there is insufficient space in the REF02/REF03.

10.	2/DTM/200	Add segment level note 4: *4. Used in the Mark loop to identify the date of manufacturer and the date a "Mark" is placed on the item.*	Clarify business rule usage for Mark loop.
11.	2/DTM01/200 (Used in HL03="X", Mark Loop)	Add Code 094 and note: *094 Manufacture Use in Mark loop (HL03 code X) to identify Date of Manufacture*	The Date of Manufacturer is an IUID Mark data item.
12.	2/DTM01/200 (Used in HL03="X", Mark Loop	Revise note to code 007: **007 Effective** *1.* Use *in Part Characteristics loop (HL03 code J)* to report the Current Part Number Effective Date. *2. Use in Mark loop (HL03 code X) to identify the Date the Mark is placed on the item.*	The Effective date is an IUID Mark data item.
13.	2/N101/220 (Used in HL03="X", Mark Loop)	Add codes 42, AAU and associated notes: *AAU Marker Owner Use in Mark loop (HL03 code X) to identify the Mark Owner, who represents the entity/activity that added the Mark to an item.* *42 Component Manufacturer Use in Mark loop (HL03 code X).*	Identify the Mark Owner and Manufacturer for the Mark information
14.	2/N103/220 (Used in HL03="X", Mark Loop)	Add codes 14, 21, and 41 and notes: *14 UCC/EAN Location Code Prefix Use to identify the UCC/EAN Company Prefix. Enter the prefix value (0-9) in the N104.* *21 Health Industry Number (HIN) When used in the Mark loop (HL03 code X), use to identify the European Health Industry Business Communications Council (EHIBCC) Number.* *41 Telecommunications Carrier Identification Code When used in the Mark loop (HL03 code X), use to identify the American National Standard for Telecommunications Information Interchange - Coded Representation of the North American Telecommunication Industry Manufacturers, Suppliers, and Related Service Companies (ANSI T1.220) value.*	