



**DEFENSE LOGISTICS AGENCY  
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January 22, 2019

**MEMORANDUM FOR SUPPLY PROCESS REVIEW COMMITTEE (PRC) MEMBERS**

**SUBJECT: Approved Defense Logistics Management Standards (DLMS) Change (ADC) 1215, Wide Area Workflow (WAWF) Revisions to Include Multiple Serial Numbers for Serially Managed Items Without Registered Unique Item Identifiers (UII) and Supply Condition Codes for Property Transfer and Repairable Receiving Reports for Government Furnished Property (GFP) (Supply/Contract Administration)**

We are forwarding the approved change to DLM 4000.25 Defense Logistics Management Standards, for immediate implementation.

Addressees may direct questions to Ms. Tonja Daniels-Carter, Contract Administration Lead, (269) 961-5227, DSN 661-5227, or e-mail [Tonja.Daniels-Carter@dla.mil](mailto:Tonja.Daniels-Carter@dla.mil). Others must contact their Component designated representative available at [www.dla.mil/HQ/InformationOperations/DLMS/allpoc/](http://www.dla.mil/HQ/InformationOperations/DLMS/allpoc/).

**HEIDI M. DAVEREDE**  
Director  
Enterprise Business Standards Office

Attachment

cc:  
ODASD(Logistics)  
OUSD(AT&L)PDI  
PIEE PM

## Attachment to ADC 1215

# Wide Area Workflow (WAWF) Revisions to Include Multiple Serial Numbers for Serially Managed Items Without Registered Unique Item Identifiers (UII) and Supply Condition Codes for Property Transfer and Repairable Receiving Reports for Government Furnished Property (GFP)

### 1. ORIGINATORS:

a. **Functional POC:** Carol Vigna, Defense Procurement and Acquisition Policy (DPC),  
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b. **Technical POC:** Tonja Daniels-Carter, Enterprise Business Standards Office, (269) 961-5227, DSN 661-5227, or e-mail [Tonja.Daniels-Carter@dla.mil](mailto:Tonja.Daniels-Carter@dla.mil).

### 2. FUNCTIONAL AREA:

a. **Functional Area:** Supply/Logistics

b. **Functional Process:** Government Furnished Property (GFP)/Reparables

### 3. REFERENCE:

a. PIEE Release 5.10, Post Critical Design Review, ECP 0796, Multiple Serial Numbers for Non-UII Items and ECP 0915, Add Condition Code to WAWF (formerly Invoice, Receipt Acceptance and Property Transfer (iRAP))

b. [MIL-STD-130](#), Department of Defense Standard Practice Identification Marking of U. S. Military Property

c. [DFARS 252.211-7007](#), Reporting of Government-Furnished Property

d. [DoDM 4140.01](#), Supply Chain Materiel Management Procedures, Volume 2, Demand and Supply Planning, February 10, 2014.

**4. APPROVED CHANGE(S):** Green highlighting identifies significant revisions subsequent to staffing of Proposed DLMS Change (PDC) 1215. Subsequent to PDC 1215, the name Wide Area Workflow (WAWF) e-Business Suite was changed to the new enterprise solution name Procurement Integrated Enterprise Environment (PIEE). The name for the module Invoicing, Receipt, Acceptance, and Property Transfer (iRAP) was changed back its original name of Wide Area Workflow (WAWF). This change is reflected throughout this change but is not specifically marked with green highlight. Additionally, the property transfer functions are moving to the GFP Module.

a. **Brief Overview of Change:** This change modifies the DLMS 856 Advance Shipment Notice (ASN), the associated Federal 856 and the Federal 857 Shipment and Billing Notice implementation conventions (IC) to permit tracking of serially-managed GFP. It modifies the WAWF 856 and DLMS 856 ASN transactions to include the capability to identify multiple serial numbers for serially managed items that are not marked with the unique item identifier (UII). It also adds the supply condition code to identify the condition of reparables. These changes support the PIEE 5.10

Release (Reference 3.a.), which adds functionality to capture and transmit multiple serial numbers and supply condition codes in the WAWF Property Transfer Document (PTD) and Reparable Receiving Report (RRR).

**b. Background:**

(1) MIL-STD-130, Identification Marking of U.S. Military Property (Reference 3.b.), identifies marking requirements for item unique identification (IUID) however, there are some serially managed items that have not yet been marked with a unique item identifier (UII). WAWF does not currently have the functionality to capture and transmit multiple serial numbers for property transfers involving non-UII serially-managed GFP. MIL-STD-130 is silent on GFP; and does not specifically require IUID for GFP.

(2) Per DFARS 252.211-7007, contractors must report and update supply condition codes for reparables (Reference 3.c.). WAWF does not include a supply condition code data element for the property transfer or RRR and is being updated to accommodate the condition at time of shipment and receipt. Currently, contractors must update supply condition code manually in the IUID Registry. Contractors using DLMS logistics transactions report supply condition code to the owner at time of shipment, receipt, and as changes occur during maintenance.

(3) Current DOD procedures require generating separate standard logistics transactions for shipping like items that are known to be in different conditions. For DOD shipments controlled by a document number, a different document number, or potentially a document number suffix code, is assigned for each outgoing shipment; mixed condition materiel would not normally be shipped to the same location on the same document number. If a shipment contains like items with different conditions codes upon receipt, then the receiver will prepare separate receipt transactions for each item/condition and the receiving system will assign a document number suffix code to distinguish the shipments (regardless of whether the controlling number is a document number or a contract number). For example, certain existing supply systems (such as Distribution Standard System (DSS)) can only accommodate one supply condition code (for multiple items) per shipment.

(4) The PIEE 5.10 requirements and design review meetings identified several gaps for serial number field length and characteristics. The ODASD(Logistics) led IUID Working Group in harmonized these gaps and issued policy with specific guidance on serial number format and length. The following gaps were resolved:

(a) Per MIL-STD 130 (Reference 3.b.), the serial number used to construct UII is 30 characters with hyphen, forward slash, and no spaces; and the IUID Registry requires a maximum 30-character serial number for creation of UII, allowing hyphen and slash.

(b) The “Item Serial Number<sup>1</sup>” format in WAWF for the PTD and RRR is 30 characters, allowing no special characters (except hyphen and forward slash) and no spaces.

(c) The serial number in DLMS transactions supporting IUID and Unique Item Tracking (UIT) (exclusive of small arms/light weapons (SA/LW)) was designed to be consistent with the IUID Registry, allowing 30 positions with no special characters other than hyphen and forward slash. The intent of the DLMS requirement is to capture the human readable serial number used for tracking (especially if different from the value used for creation of the UII). However, DLMS transactions originating from WAWF are perpetuating the pedigree UII serial number to the receiving

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<sup>1</sup> Per ECP 796 (Reference 3.a.), the “Item Serial Number is only provided for non-UII items.

activity. Although normally this will be consistent with the serial number used for tracking, it can differ and, therefore, will not satisfy DLMS requirements and will provide no meaningful information to the receiving activity. Expanding the serial number field length to 50 characters (as originally proposed for WAWF tracking of non-UII serially-managed GFP and for consistency with the human readable mark in the IUID registry) would require DLMS transactions to either remap the existing X12 data elements for serial number or upgrade the DLMS transactions to a higher X12 version.

(5) During development of this change, multiple inconsistencies between the WAWF and DLMS logistics procedures were identified.

(a) Currently, WAWF does not allow contractors to add or delete serial numbers at the time of receipt as might occur in a mis-shipment. If WAWF processes a shipment that contains either UIIs or serial numbers or a mix of both, WAWF expects to receive a transaction with a positive action for every UII/serial number, received or noted as rejected. However, this is not consistent with the DLMS requirement for receipt processing, which requires the receiving activity to receipt items using the actual serial number received when different from the shipment notice. A supply discrepancy report (SDR) must be submitted to the shipper identifying the mismatch scenario. There is no methodology to “reject” an item received using a DLMS 527R.

(b) Additionally, there are no WAWF allowances to ship serially-managed items without either a UII or serial number within the same transaction as the marked items. The quantity shipped validation in WAWF requires the quantity shipped to equal the number of UIIs and/or serial numbers. Logistics rules do not have the same validation requirements and allow generation of DLMS 856S Shipment Status containing UII or serial numbers for selected items without requiring that the quantity shipped match the number of uniquely identified items. This is because the logistics requirement calls for inclusion of this data when readily available and does not require capture of the data when not barcoded on exterior packaging or resident in the supply system (unless the materiel shipped falls under a UIT program).

(c) DOD logistics systems perform receipt based on what physically arrives and do not perform any rejections. As described above, WAWF requires a one-for-one match between the shipment and receipt, otherwise the receiver must establish a rejection of the item not received and a separate receipt transaction for an overage. Consequently, there are two areas of concern:

1. The edit on shipped quantity and UII/serial number may cause the DLMS 856S to fail at GEX when it converts a DLMS 856S for WAWF use.

2. The edit on receipt content validation against shipment content may cause the 856 resulting from GEX conversion of a DLMS 527R Receipt to fail at WAWF. WAWF recognized these issues and will evaluate the feasibility to bypass the edit noted above in the future.

(d) WAWF does not currently support use of a condition code in the 527R that differs from the condition code on the shipment. DLMS logistics transactions require this functionality. WAWF needs to be able to update the condition code on the receipt to reflect the actual quantity by condition code as received when different from the shipment information.

(e) The DLMS 527R Receipt identifies UIIs and serial numbers applicable to serially managed items for the purpose of tracking. This intent is stated in the DLMS IC notes. If the pedigree UII serial number differs from the human readable serial number used for tracking, there will

be a significant disconnect if the pedigree UII serial number is perpetuated from the WAWF ASN to the DLMS 527R Receipt. At this time, further coordination is needed to determine a way ahead.

(6) 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). Contractors may use this transaction to communicate with WAWF, but it is not applicable for transmission to other DOD systems.

**c. Requested Change in Detail:** WAWF will add functionality to submit serial numbers or UIIs coupled with the applicable supply condition code in the WAWF Property Transfer Document and Repairables Receiving Report. This includes the capability to submit multiple serial numbers for non-UII GFP. Revise the DLMS transaction formats and business rules to accommodate the WAWF changes as follows:

(1) Revise DLMS 856 Advance Shipment Notice (ASN) transaction (resulting from WAWF Property Transfer Document or Repairables Receiving Report):

(a) Add a new hierarchical loop to provide the capability to submit individual serial numbers or UIIs coupled with supply condition codes, when applicable; do not provide both serial number and UII for the same item coupled with its condition code. The Quality Characteristics loop (HL03 – G) will be a child of the line item loop (HL03 = I) if it contains a single supply condition code applicable to all line items or UID loop (HL03 = D) if it contains UII or serial number, and supply condition code for each item.

**1.** Authorize the use of serial number in the Quality Characteristics loop to identify individual human readable serial numbers (when a UII is not available) and the associated supply condition code.

**2.** Provide DLMS notes and a new data field to identify the supply condition code associated with a specific serial number or UII.

(b) Authorize the use of a data field in the Pack loop to include the use of a multi-box pack indicator that must be provided once for each UII or item serial number that is part of a multi-box pack. Revise existing usage notes to indicate that UIIs and/or item serial numbers associated with a line item are packed across multiple boxes and note the use of “Yes” as a mark indicator for an item serial number that is packed across multiple boxes; there must be only one mark indicator per item.

(c) WAWF EDI receivers have the ability to perform receipt/reject via the WAWF 856 receipt transaction. This practice is not consistent with the DLMS 856 ASN and therefore, is excluded from this change.

(2) Federal 857, Shipment and Billing Notice transaction. This change adds comparable changes to the 857 Federal transaction as identified for the DLMS 856 ASN to add a new Quality Characteristics loop to submit serial numbers or UIIs coupled with supply condition codes. Changes to the Federal 857 have no impact on internal DOD transactions.

**d. Revisions to DLM 4000.25 Manuals:** Revise DLMS 856 ASN and Federal 857 Shipment and Billing notice ICs as shown in Enclosure 1.

**e. Transaction Flow:** There are no revisions to existing transaction flow.

f. **Alternatives:** None identified.

**5. REASON FOR CHANGE:** For WAWF: This will allow for multiple quantities per line item and the ability to process each item with a unique serial number. It provides the capability to provide the serial number for an item without a UII (item serial number). Additionally, these changes will allow supply condition code recording at the line item level and the individual item level.

**6. ADVANTAGES AND DISADVANTAGES:**

a. **Advantages:**

(1) Enable WAWF to comply with DFARS requirements. There are instances where GFP items are serially managed, but do not have a UII. WAWF does not currently have the functionality to capture and transmit multiple serial numbers or supply condition codes. This change will enable contractors to report supply condition code during receipt or shipment.

(2) Enable WAWF to be single point of data submission for distribution to IUID Registry; reduce manual data entry of supply condition code in the IUID Registry

b. **Disadvantages:** None.

**7. ADDITIONAL FUNCTIONAL REQUIREMENTS:** WAWF ECP 915 does not address the required communication of supply condition code changes subsequent to receipt by the contractor and prior to return shipment to a DOD Activity. Commercial maintenance contractors are required to report condition changes to the owner during the repair cycle. For example, changes from Supply Condition Code F (unserviceable) to Supply Condition Code M (suspended, undergoing maintenance); and changes to Supply Condition Code G (unserviceable/awaiting parts). These updates to the owner must be reported via a DLMS 947I Inventory Adjustment (Supply Condition) transaction.

**8. ESTIMATED TIME LINE/IMPLEMENTATION TARGET:** WAWF Release 5.10 was implemented in 2017.

**9. ESTIMATED SAVINGS/COST AVOIDANCE ASSOCIATED WITH IMPLEMENTATION OF THIS CHANGE:** Not identified.

**10. IMPACT:**

a. **DLMS Data Elements:**

(1) Changes to 856 and 857 DLMS and DOD ICs in Enclosure 1.

(2) Add new DLMS Data Element: Multi Box Pack Indicator (ID, Min 1, Max 1). The multi-box pack indicator "A" indicates that an item identified by UII or serial number associated with a line item are packed across multiple boxes. (Uses SLN08 = A).

b. **WAWF:** Implement DLMS changes to the 856 ASN and Federal 857. WAWF EDI format changes are in Enclosure 2.

c. **Component Automated Information Systems (AIS):** None

d. **Defense Automatic Addressing System (DAAS):** Vendor will continue to route transactions through GEX and WAWF3-RA channels for translation and transfer to the PIEE.

e. **Non-DLM 4000.25 Series Publications:** The WAWF Program Management Office will update the relevant WAWF Guides to reflect the changes identified by this DLMS change.

**11. PROPOSED DLMS CHANGE (PDC) 1215 STAFFING RESPONSE/COMMENT RESOLUTION:**

	<b>Originator</b>	<b>Response/Comment</b>	<b>Disposition</b>
1	Air Force	Concurs	Noted
2	Army	No Response	
3	Marine Corps	Concurs	Noted
4	Navy	Concurs	Noted
5	DLA	Concurs	Noted
7	USTRANSCOM	Concurs: No impact to USTRANSCOM systems based on this change.	Noted
8	DPC	Concurs	Noted



## Enclosure 1, Changes to the Federal and DLMS Implementation Conventions

Subsequent to PDC 1215, the name Wide Area Workflow (WAWF) e-Business Suite change to the new enterprise solution name Procurement Integrated Enterprise Environment (PIEE). The name for the module Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) was changed back its original name of Wide Area Workflow (WAWF). This change will be reflected in the updated DLMS 856 ASN and the Federal 857 Shipment and Billing Notice, however the individual changes will not be identified in the change tables other than where specific notes are modified by this change. The name change will not be reflected in the existing published ADC titles shown in the introductory note (856 ASN).

Item #	Location	DLMS 856 Advance Shipment Notice (ASN)	Reason
1.	DLMS Introductory Notes	<p>Change “Wide Area Work Flow (WAWF)” reference to the new enterprise solution name <u>Procurement Integrated Enterprise Environment (PIEE)</u> .</p> <p>1. This DLMS Implementation Convention IC is based upon the Federal Implementation Convention (IC) 856, Ship Notice/Manifest and is provided for clarification of internal DoD use of the 856 as it pertains to <b><i>Procurement Integrated Enterprise Environment (PIEE)</i></b>, Wide Area Work Flow. <del><i>e-Business Suite, Invoicing, Receipt, Acceptance and Property Transfer (iRAPT), formerly Wide Area Workflow – Receipt and Acceptance (WAWF-RA)</i></del>.</p> <p>2. This document describes the advance shipment notice as extracted from <b><i>iRAPT WAWF</i></b> and forwarded to Defense Contract Management Agency (DCMA), payment offices, and receiving points. For submission of the 856 to <b><i>iRAPT WAWF</i></b> please refer to the <b><i>iRAPT WAWF</i></b> Implementation Guide located on the <b><i>Wide Area Work Flow PIEE</i></b> e-Business Suite Website at: <a href="https://wawf.eb.mil">https://wawf.eb.mil</a></p>	Program name change



Item #	Location	DLMS 856 Advance Shipment Notice (ASN)	Reason
2.	DLMS Introductory Note	<p><u>Add ADC 1215 to DLMS Introductory Note 9 and add DLMS Introductory Note 10:</u></p> <p><b>- ADC 1215, Wide Area Workflow (WAWF) Revisions to Include Multiple Serial Numbers for Serially Managed Items Without Registered Unique Item Identifiers (UII) and Supply Condition Codes for Property Transfer and Repairable Receiving Reports for Government Furnished Property (GFP) (Supply/ Contract Administration).</b></p> <p><b>12. The name Wide Area Workflow (WAWF) e-Business Suite change to Procurement Integrated Enterprise Environment (PIEE). The name for the module Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) was changed to Wide Area Workflow (WAWF). This change is reflected in the IC notes.</b></p>	Identifies a new functional requirement.
3.	Throughout entire 856 DLMS IC	<p>1. <u>Change all existing “Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT)” references to Wide Area Workflow (WAWF).</u></p> <p>2. <u>Change all existing Wide Area Workflow (WAWF) references to Procurement Integrated Enterprise Environment (PIEE)</u></p>	Program name change
4.	2/HL03/010	<p><u>Add Code G and DLMS Notes to HL03:</u></p> <p><b>G Quality Characteristics</b></p> <p><b>DLMS Note:</b></p> <p><b>1. For WAWF, use to identify the supply condition code associated with the human readable serial number or UII. This loop can be a child loop to the I Item loop (individual line item), or the D UID Loop.</b></p> <p><b>2. The following detail segments and elements are applicable to the G loop, 2/REF/150 and 2/LM/340, 2/LQ/350.</b></p>	Identifies a new functional requirement.

Item #	Location	DLMS 856 Advance Shipment Notice (ASN)	Reason
5.	2/HL03/010	<p><u>Change Federal Note to DLMS Note for Pack loop and add a second note:</u></p> <p><del>Federal</del> <b>DLMS</b> Note:</p> <p><i>1. When providing RFID information pertaining to a shipment, use to identify individual pack loops associated with RFID. Only the 2/REF/150 and 2/SDQ/290 are used in this loop when reporting pack/RFID information.</i></p> <p><i>2. For Multi-Box Pack Indicator, only 2/SLN08/40 and 2/REF04/150 are applicable.</i></p>	Updates note and identifies a new functional requirement.
6.	2/SLN06/40	<p><u>Open SLN06 and add DLMS Note</u></p> <p><u>DLMS Note: For WAWF, use with SLN08, enter ) (zero) to comply with mandatory X12 syntax requirement.</u></p>	Required for X12 Syntax when using SLN08 to identify a multi-box pack indicator
7.	2/SLN08/40	<p><u>Open SLN08 ata element 662, Relationship Code (SLN08) and DLMS note:</u></p> <p><b>DLMS Note: For WAWF, use in the Pack loop (HL03=P), to identify a Multi-Box Pack Indicator. Provide Code A to indicate that items identified by UIIs and/or item serial numbers associated with this line item are packed across multiple boxes. 2/REF04/150 is applicable to the P loop.</b></p>	Identifies a new functional requirement.
8.	2/REF01/150	<p><u>Add code SE and DLMS note:</u></p> <p><b>SE Serial Number</b></p> <p><b>DLMS Note:</b></p> <p><i>1. For WAWF, use to identify the human readable serial number in the Quality Characteristics loop (HL03=G) and the HL03=P). Enter the actual serial number in REF02.</i></p> <p><i>2. For the Pack loop, use the Mark Indicator “W9” in REF04-01 and enter “Yes” in REF04-02 for item serial number that is packed across multiple boxes; there must be one, and only one, mark indicator per item.</i></p>	Identifies a new functional requirement.
9.	2/REF04/150	<u>Open REF04</u>	Identifies a new functional requirement.

Item #	Location	DLMS 856 Advance Shipment Notice (ASN)	Reason
10.	2/REF04-01/150	<p><u>Open REF04-01, add code W9 and note:</u></p> <p><b>W9 Special Packaging Instruction Number</b></p> <p><b>DLMS Note:</b>  <i>For WAWF, use to provide the Multi Box Pack Indicator. Enter "Yes" in REF04-02 for a serially identified item that is packed across multiple boxes; there must be one, and only one, mark indicator per item.</i></p>	Identifies a new functional requirement.
11.	2/REF04-02/150	<p><u>Open REF04-02</u></p>	Identifies a new functional requirement.
12.	2/LQ01/350	<p><u>Add code 83 and DLMS note:</u></p> <p><b>83 Supply Condition Code</b></p> <p><b>DLMS Note:</b></p> <p><i>1. For WAWF, use in the IUID Loop (2/HL/010, HL03 = D) to identify the supply condition code (SCC) associated with serial number or UII in 2/REF/150. Provide the SCC value in 2/LQ02/350. Only provide one SCC per serial number or UII.</i></p> <p><i>2. For WAWF, use in the Item loop (2/HL/010, HL03 = I) to identify the SCC associated with all items.</i></p> <p><i>3. The Distribution Standard System (DSS) does not use SCC in the DLMS 856 ASN; therefore, DSS may drop the SCC upon processing.</i></p>	Identifies a new functional requirement.

#	Location	Federal 857 Shipment and Billing Notice (Version 4010)	Reason
1.	857 Notes	<p>Revise transaction note 4 and add new note 5.</p> <p>4. The hierarchical sequence of this transaction set is Shipment level information, Order level information, Item level information and Unique Identification (UID) level information. <i>WAWF transactions may also include the Quality Characteristic loop to identify the human readable serial number or UII coupled with the supply condition code.</i></p> <p>5. The name Wide Area Workflow (WAWF) e-Business Suite was changed to Procurement Integrated Enterprise Environment (PIEE). The name for the module Invoicing, Receipt, Acceptance, and Property Transfer (iRAPT) was changed to Wide Area Workflow (WAWF). This change is reflected in the IC notes.</p>	Identifies a new functional requirement.
2.	1/HL03/010	<p>Add new code G and DLMS note:</p> <p><b>G Quality Characteristics</b></p> <p><i>Federal Note: For WAWF, use to identify the supply condition code loop associated with the human readable serial number or UII. This loop will be a child loop to the I Item Loop (individual line item), or the D UID Loop. The following detail segments and specific elements are applicable to the G Loop, 2/SLN/470 and 2/LM/505, 2/LQ/506.</i></p>	Identifies a new functional requirement.
3.	1/SLN09/470	<p>Add new note 2 to code SN:</p> <p><b>SN Serial Number</b></p> <p><b>Federal Note:</b></p> <p>1. Use to identify the item serial number.</p> <p>2. For WAWF, use to identify human readable serial number in the Quality Characteristics Loop (HL03=G) and the HL03=P Pack Loop. Enter the actual serial number in SLN10.</p>	Identifies a new functional requirement.
4.	1/LQ01/506	<p>Add Code 83 and note:</p> <p><b>83 Supply Condition Code</b></p> <p><b>Federal Note:</b></p> <p>1. For WAWF, use in the IUID loop (1/HL/010, HL03 = D) to identify the Supply Condition Code (SCC) associated with serial number or UII in 1/SLN09/470. Provide the SCC value in 1/LQ02/506. Only provide one SCC per serial number or UII. Do not provide one SCC for both serial number and UII.</p> <p>2. For WAWF, use in the Item loop (1/HL/010, HL03 = I) to identify the SCC associated with all items.</p>	Identifies a new functional requirement.

## Enclosure 2: Sample WAWF EDI Formats:

### Serial number with supply condition code:

WARFIGHTER-FOCUSED, GLOBALLY RESPONSIVE, FISCALLY RESPONSIBLE SUPPLY CHAIN LEADERSHIP

**iRAPT EDI Inbound** Design Review

*Item Serial Number & Supply Condition Code - 856 Sample*

Per PDR: Updated sample to reflect PDR changes.

```

HL^3^2^I^1
LIN^1002^MG^VNDNUm22341341241
...
REF^QQ^3
...
HL^4^3^G^0
REF^SE^00000011001A
LM^DF
LQ^83^A
HL^5^3^G^0
REF^SE^00000011001B
LM^DF
LQ^83^B
HL^6^3^G^0
REF^SE^00000011001C
LM^DF
LQ^83^C
    
```

← Line Item Loop

← Line Item

← Number of Items Repaired

**Item Serial Number Loops**  
(Item Serial Numbers + UIIs must balance to Quantity Repaired [RRR] / Quantity Shipped [PTD] )

← Start of Item Serial Number/Condition Code HL Loop

← Item Serial Number

← Supply Condition Code for Item Serial Number

WARFIGHTER SUPPORT ENHANCEMENT      STEWARDSHIP EXCELLENCE      WORKFORCE DEVELOPMENT 77  
ECP0706/ECP0915

WARFIGHTER-FOCUSED, GLOBALLY RESPONSIVE, FISCALLY RESPONSIBLE SUPPLY CHAIN LEADERSHIP

**iRAPT EDI Inbound** Design Review

*Item Serial Number & Supply Condition Code - 857 Sample*

Per PDR: Updated sample to reflect PDR changes.

```

HL^3^2^I^1
IT1^0001^7^DA^20^MG^ABC123
...
N9^QQ^2
N9^H6^A
...
HL^4^3^G^0
IT1^AA^1^EA^0
SLN^1^AA^O^AAAAAA^SN^00000000380
LM^DF
LQ^83^A
HL^5^3^G^0
IT1^AA^1^EA^0
SLN^1^AA^O^AAAAAA^SN^1110010299
LM^DF
LQ^83^B
    
```

← Line Item Loop

← Line Item

← Number of Items Repaired

**Item Serial Number Loops**  
(Item Serial Numbers + UIIs must balance to Quantity Repaired [RRR] / Quantity Shipped [PTD] )

← Start of Item Serial Number/Condition Code HL Loop

← Item Serial Number

← Supply Condition Code for Item Serial Number

WARFIGHTER SUPPORT ENHANCEMENT      STEWARDSHIP EXCELLENCE      WORKFORCE DEVELOPMENT 01  
ECP0706/ECP0915

**UII with condition code:**

WARFIGHTER-FOCUSED, GLOBALLY RESPONSIVE, FISCALLY RESPONSIBLE SUPPLY CHAIN LEADERSHIP

**iRAPT EDI Inbound**  
*UII & Supply Condition Code – 856 Sample*

Design Review

**Per PDR:** Updated sample to reflect PDR changes.

**Post CDR:** Per request, the UII Item Additional Serial Number field was removed from design. Supply Condition Codes may still be submitted for a UII.

```

HL^4^3^D^1
REF^U3^^D064810001
REF^U3^^D064810002
HL^5^4^G^0
REF^U3^^D064810001
REF^SE^^123456789012
LM^DF
LQ^83^A
HL^6^4^G^0
REF^U3^^D064810002
REF^SE^^123456789123
LM^DF
LQ^83^B
    
```

Start of UID HL Loop

List of UIIs

**Additional UII Item-Serial Number & Condition Code HL Loop**

Start of Additional UII Item Serial-Number & Condition Code HL Loop

UII

Additional UII Item-Serial Number

Supply Condition Code

WARFIGHTER SUPPORT ENHANCEMENT      STEWARDSHIP EXCELLENCE      WORKFORCE DEVELOPMENT 84  
ECP0796/ECP0915

WARFIGHTER-FOCUSED, GLOBALLY RESPONSIVE, FISCALLY RESPONSIBLE SUPPLY CHAIN LEADERSHIP

**iRAPT EDI Inbound**  
*UII & Supply Condition Code – 857 Sample*

Design Review

**Per PDR:** Updated sample to reflect PDR changes.

**Post CDR:** Per request, the UII Item Additional Serial Number field was removed from design. Supply Condition Codes may still be submitted for a UII.

```

HL^4^3^D^1
IT1^^1^EA^0
SLN^1^^O^^^^^^VU^D064810001
SLN^2^^O^^^^^^VU^D064810002
HL^5^4^G^0
IT1^^1^EA^0
SLN^1^^O^^^^^^VU^D064810001
SLN^2^^O^^^^^^SN^123456789012
LM^DF
LQ^83^A
HL^6^4^G^0
IT1^^1^EA^0
SLN^1^^O^^^^^^VU^D064810002
SLN^2^^O^^^^^^SN^123456789123
LM^DF
LQ^83^B
    
```

Start of UID HL Loop

List of UIIs

**Additional UII Item-Serial Number & Condition Code HL Loops**

Start of UII Serial-Number & Condition Code HL Loop

UII


Additional UII Item-Serial Number

Supply Condition Code

WARFIGHTER SUPPORT ENHANCEMENT      STEWARDSHIP EXCELLENCE      WORKFORCE DEVELOPMENT 94  
ECP0796/ECP0915

## Multi-Box Packing by Item Serial Number:

Note: WAWF uses a colon as the delimiter for Mark Indicator in composite data element REF04 (i.e., REF04-01 = W9 and REF04-01 = Yes)



WARFIGHTER-FOCUSED, GLOBALLY RESPONSIVE, FISCALLY RESPONSIBLE SUPPLY CHAIN LEADERSHIP

### iRAPT EDI Inbound

*Multi-Box Packing by Item Serial Number – 856 Sample*

Design Review

HL\*2\*1\*8  
HL\*3\*2\*1\*1  
LIN\*1002\*MG\*VNDNUm22341341241  
SLN\*1\*A\*O\*\*\*\*\*A ← **Multi-Box Pack Indicator**

HL\*4\*3\*0\*0  
REF\*SE\*00000011001A  
REF\*H\*8\*A  
HL\*5\*3\*0\*0  
REF\*SE\*00000011001B  
REF\*H\*8\*B  
HL\*6\*3\*0\*0  
REF\*SE\*00000011001C  
REF\*H\*8\*C

**Pack Loops**

HL\*8\*2\*P  
REF\*JH\*A00000000000000001 ← **RFID Tag Information**  
REF\*SE\*00000011001A\*1002 ← **Packed Item Serial Numbers**  
REF\*SE\*00000011001B\*1002  
SDQ\*ZZ\*1002\*3  
HL\*9\*2\*P  
REF\*JH\*B00000000000000002  
REF\*SE\*00000011001A\*1002\*W9:Yes  
REF\*SE\*00000011001C  
SDQ\*ZZ\*1002\*3  
HL\*10\*2\*P  
REF\*JH\*C00000000000000003  
REF\*SE\*00000011001C\*1002\*W9:Yes  
SDQ\*ZZ\*1002\*3

**REF04 = 'W9:Yes' is the Mark Indicator. There must be one, and only one, Mark Indicator per Item Serial Number that has been packed across multiple boxes.**

[Back to CDR history](#)

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WORKFORCE DEVELOPMENT 82  
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**Receipt with DLMS 527R:**



iRAPT EDI Receipt via 527R  
*Sample File*

Design Review

ST^527^0001  
BR^00^D4^20150702^FI^083504  
N1^RC^1^083504498  
LIN^A^FS^2015070200001  
CS^C7^0001  
RCD^1^4^EA  
G62^35^20150702  
GF^HQ033715G0702^VGGG  
N9^SI^KLS0004  
LM^DF  
LQ^84^R  
REF^U3^D06481KLS0702141001  
REF^U3^D06481KLS0702141002  
**REF^SE^SN65468135001**  
**REF^SE^SN65468135002**  
SE^777^0001

Post CDR: Moved Serial Number  
from REF03 to REF02.

The 527R will be updated to allow  
Receivers to perform Receipt via  
UIDs or Item Serial Numbers.

*EBSO Comment: The 527R Receipt was updated to include mandatory serial  
number and UII when available for capital equipment and UIT Items*