# DLMS Enhancement File

DLMS Implementation Convention: 856

X12 Version/Release: 4010

Change Log:

Update Date Change on that date

Jan. 15, 2013 Reformatted file based on recommendations from update project team

Feb. 16, 2015 Added ADC 1075 DLMS Enhancements

Feb. 26, 2015 Added ADC 1136 DLMS Enhancements

Apr. 23, 2015 Added ADC 1157 DLMS Enhancements

Oct. 28, 2015 Added ADC 1183 DLMS Enhancements

Jul. 14, 2016 Added ADC 1202 DLMS Enhancements

Sept. 15, 2016 Added ADC 1161 DLMS Enhancements

# Introductory Notes:

DLMS Enhancements are capabilities (such as the exchange of item unique identification (IUID) data) that are implemented in the DLMS transactions but cannot be implemented or exchanged in non-DLMS (i.e., Legacy, DLSS, or MILS) format transactions.

As the components within the logistics domain need new enhanced capabilities, they are added to the DLMS Implementation Convention (IC) using the Proposed/Approved DLMS Change (ADC/PDC) process. The following ADCs have added DLMS Enhancement capabilities to this DLMS IC:

* -ADC 231, Inclusion of Data Supporting Wide Area Workflow Transaction Exchange for Item Unique Identification (IUID), Zero Lot Shipments, and Performance Notification for Services
* ADC 1075, Implementation of Geopolitical Entities, Names, and Codes (GENC) Standard by DoD Components for the Identificatioin of Countries and their Subdivisions
* Effective April 1, 2014, Refer to ADC 1075. Users must reference the GENC Standard for Country Codes (<https://geo.aitcnet.org/NSGREG/genc/discovery>) for a listing of authorized values. Under DLMS, use the GENC Digraph (two-character) code values.
* ADC 1157, Update Uniform Procurement Instrument Identification (PIID) Numbering system in the Federal/DLMS Implementation Conventions and DLMS Manual
* ADC 1136, Revise Unique Item Tracking (UIT) Procedures to support DODM 4140.01 UIT Policy and Clarify Requirements (Supply)
* ADC 1161, Update uniform Procurement Instrument Identifier (PIID) numbering system in the Federal/DLMS Implementation Conventions and DLMS Manuals (Supply/Contract Administration)
* ADC 1183, Revise Federal Implementation Convention (IC) 856 (Ship Notice/Manifest), DLMS IC 856 (Advance Shipment Notice) and Federal IC 857 (Shipment and Billing Notice) to add Final Shipment Indicator and Final Invoice Indicator
* ADC 1202 Processing of Advance Shipment Notice (ASN) for Certificate of Conformance (CoC) or Alternate Release Procedures (ARP) and Edit Blocking Inappropriate Supply Discrepancy Report (SDR) for Missing Quality Assurance Representative (QAR) Signature (Discrepancy Code D4) and associated Suspended Receipt

The table below documents the DLMS Enhancements in this DLMS IC, specifying the location in the DLMS IC where the enhancement is located, what data in the DLMS IC is a DLMS Enhancement, the DLMS notes (if any) that apply to that data, and useful comments about the enhanced data. Text in red has been changed since the last time this file was updated; deletions are indicated by strikethroughs.

| DS # | Location | Enhancement Entry | DLMS Note | Comment |
| --- | --- | --- | --- | --- |
| 4010 856 | DLMS Introductory Notes |  | 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 Wide Area Work Flow e-Business Suite, Invoicing, Receipt, Acceptance and Property Transfer (iRAPT), formerly Wide Area Workflow – Receipt and Acceptance (WAWF-RA).  2. This document describes the advance shipment notice as extracted from Wide Area Workflow (WAWF-RA) iRAPT and forwarded to Defense Contract Management Agency (DCMA), payment offices, and receiving points. For submission of the 856 to WAWF-RA iRAPT, please refer to the WAWF-RA iRAPT Implementation Guide located on the WAWF-RA Wide Area Work Flow e-Business Suite Website at URL: <https://wawf.eb.mil>  3. This transaction may be used to forward Property Transfer Document (PTD) information submitted to WAWF-RA iRAPT by a contractor for return of Government Furnished Property to DoD inventory. This is an interim use pending full implementation of the WAWF-RA iRAPT PTD facilitated by Global Exchange (GEX) conversion mapping.  4. This document also supports internal DoD transactions for the Shipment Performance Notice and the Destination Acceptance Alert during DLMS migration and pending full implementation of WAWF-RA iRAPT  ~~6. This transaction may be used to forward item unique identification (IUID) information as submitted by vendors to WAWF-RA. For more information about IUID, refer to the IUID web site at URL: http://www.acq.osd.mil/dpap/sitemap.html for DoD policy and business rules.~~  6. This transaction may be used to provide item unique identification (IUID) information in accordance with DLMS procedures and OSD Supply Policy.  Refer to the IUID web at URL: <http://www.acq.osd.mil/dpap/pdi/uid/> for DoD policy.  7. This transaction may be used to forward passive Radio Frequency Identification (RFID) tag information as submitted by vendors to IRAPT-RA iRAPT. For more information about RFID, refer to the DoD Automated Information Technology web site at URL: http://www.dodait.com http://www.transcom.mil/ait/ | (ADC 1157 added to this list on 4/23/15)  (ADC 1136 added to this list on 2/26/15)  (ADC 1157 added to this list on 4/23/15) |
| 2/HL/010 | Federal Note | For IRAPT-RA, the hierarchical structure shall be: Shipment (HL03 Code S), Address (HL03 code V), Item (HL03 Code I), IUID (HL03 code D), Product Characteristics (HL03 = PH) and RFID (HL03 code P). |  |
| 2/HL02/010 | Hierarchical Parent ID Number | Use in subsequent 2/HL/010 loops to identify the relationship between a previous occurrence of the loop and the current occurrence of the loop. Use in shipment loop to associate with the address loop. Use in line item loops to associate with the shipment loop. Use in IUID loops to associate with the applicable line item loop. Use in the first Pack/RFID loop for the highest level pack to associate with the shipment loop. Use in subsequent Pack/RFID loops to associate with either the shipment loop or the corresponding Pack/RFID loop which contains the pack detailed in this loop. |  |
| 2/HL03/010 | D Product Description | Use to identify IUID data consistent with IUID data requirements. Only segments 2/SLN/040 and 2/REF/150 are applicable to the IUID data loop. Use a separate IUID loop for each combination of UII type, original part number, Enterprise Identifier and its associated Issuing Agency Code, and manufacturer identifier, if different from the Enterprise Identifier, and the Issuing Agency Code associated with the manufacturer. Begin a new IUID loop if any one of these elements differs. |  |
| 2/HL03/010 | E Transportation Equipment | For IRAPT, used to identify a loop containing embedded UII information. |  |
| 2/HL04/010 | 0 No Subordinate HL Segment in This Hierarchical Structure. | HL04 is always 0 in the IUID loop, otherwise use as applicable. |  |
| 2/SN103/030 | Unit or Basis for Measurement Code | Use any code, other than code ZZ, to identify as necessary, the purchase unit for the quantity shipped or service performed. DLMS users see the Unit of Issue and Purchase Unit Conversion Table for available codes. Use code UL when no purchase unit applies. |  |
| 2/SN104/030 | Quantity Shipped to Date | Use in the line item loop to identify the actual quantity shipped on Zero Lot shipments. This is only used for Zero Lot documents paid by MOCAS, when the Quantity Shipped in SN102 is zero (0) and Unit of Measure LO is reported in SN103. When provided quantity must equal amount associated with MILSTRIP document numbers, IUID data, or Pack data. |  |
| 2/SLN05/040 | Composite Unit of Measure | N/A |  |
| 2/SLN09/040 | Product/Service ID Qualifier | Use in IUID loop to identify the UII Type in the first Product/Service pair. Use subsequent pairs to identify the Enterprise Identifier and its associated Issuing Agency Code, original part number, and manufacturer identifier and its associated Issuing Agency Code, as applicable. |  |
|  | KF Item Type Number | Use to identify the UII type per IUID guidance, e.g., VIN, IUID1, IUID2, etc., when known. |  |
| 2/SLN11/040 | MF Manufacturer | Use to indicate the Enterprise Identifier. Required if UII Type=IUID1 or IUID2. |  |
| 2/SLN13/040 | MG Manufacturer's Part Number | Use to indicate the original part number. Required if UII Type=IUID2. |  |
| 2/SLN15/040 | XZ Contractor Establishment Code | Use to indicate the Issuing Agency Code. Required if UII Type=IUID1 or IUID2. |  |
| 2/PFR/050 | Segment level DLMS notes | 1. Use in 2/HL/010 shipment loops to identify contract information.  2. Implementation of the Uniform Procurement Instrument Identifier (PIID) in accordance with FAR 4.1603 and DFARS 204.16 is required by October 1, 2016.  3. Use to identify the PIID of the contract task or delivery order number.  4. For procurement instruments issued prior to implementation of the Uniform PIID, use to identify the Procurement Instrument Identification Number and, if applicable, the Supplemental Procurement Instrument Identification Number.  5. Use to identify a contract or order modifications, as applicable, except for Defense Contract Management Agency use in generating a Shipment Performance Notice. | (ADC 1157 added to this list on 4/23/15) |
| 2/PFR01/050 | Data Element level notes | Federal Note: 1. Users that have implemented the Uniform Procurement Instrument Identifiers (PIID), enter the PIID of the contract, task or delivery order number (including Federal Supply Schedules, General Services Administration Schedules and all other basic contracts), Blanket Purchase Agreement number, Grant, Lease, or Agreement number. This number must be transmitted without dashes.  2. Users that have not implemented Uniform Procurement Instrument Identifiers (PIID) enter the purchase order number, contract number (including Federal Supply Schedules, General Services Administration Schedules and all other basic contracts), Blanket Purchase Agreement number, Grant, Lease or Agreement number. This is always the Procurement Instrument Identification Number (PIIN) for the Department of Defense or the equivalent expression for Civilian Agencies. This is never the number of a delivery order, call or release  against a basic award instrument. That number is carried in PRF02. This number must be transmitted without dashes.  Use to identify the procurement instrument identifier (PIID). Use the legacy procurement instrument identification number (PIIN) pending transition to the PIID. When procurement is authorized under a PIID call/order number (F in 9th position), provide the value in the PIID field. Refer to ADC 1161.  DLMS Note: iRAPT field length will configure to 13 positions for initial implementation. | (ADC 1157 added to this list on 4/23/15)  (ADC 1161 added to this list on 09/15/16) |
| 2/PFR02/050 | Data Element level notes | Federal Note: 1. Do not use PRF02 when a uniform PIID is entered in PRF01.  2. Users that have not implemented the Uniform PIID enter the number of a release, call, or delivery order against a basic award instrument. This is always the Supplemental Procurement Instrument Identification Number (SPIIN) for the Department of Defense or the equivalent expression for Civilian Agencies. This number must be transmitted without dashes.  DLMS Note: 1. Use to identify the legacy four-position call/order number associated with the PIIN.  2. Do not use for the PIID call/order number. The PIID call/order number is mapped to PRF01. Refer to ADC 1161.  DLMS Note: 1. For users that have implemented the Uniform PIID, iRAPT will configure to 13 positions.  2. For users that have not implemented the Uniform PIID, iRAPT will configure to 4 positions. | (ADC 1157 added to this list on 4/23/15)  (ADC 1161 added to this list on 09/15/16) |
| 2/TD501/120 | 1 1st Carrier after Origin Carrier | DLMS enhancement for future use. Not available at this time. |  |
| 2/REF01/150 | AX Government Accounting Class Reference Number (ACRN)  FS Final Sequence Number | Applicable to Line Item loop. Future enhancement to allow multiple ACRNS. When the future multiple ACRN is implemented, REF03 will contain the amount associated with the ACRN.  Federal Note: For iRAPT, use in Shipment loop (HL03 Code S) to identify the Final Shipment Indicator. Enter ‘Y’ in REF02 to identify that the transaction is a Final Shipment. Enter ‘N’ if the transaction is not final. | (ADC 1183 added to this list on 10/28/15) |
|  | JH Tag  KL Contract Reference  P1 Previous Contract Number  RE Release Number | Use in RFID/Pack loops to identify the RFID tag value at the applicable pack level (i.e.., palletized unit load, exterior container, or IUID packaging). Cite the RFID in the REF03.  1. For a Contract Data Requirements List data item, use to indicate the reference in the contract that generates the requirement for the data item, e.g., Statement of Work paragraph.  2. For iRAPT WAWF, use to indicate a Contract Number Type. Cite the applicable code in REF02.  A - Cooperative Agreement  B - DoD Contract (FAR)  C - DoD Contract (Non-FAR)  D - Grant  E - Intragovernmental  F - Intergovernmental  G - International Agreement  I - Non-DoD Contract (FAR)  J - Non-DoD Contract (Non-FAR)  K - Other Agreement  S - Uniform PIID (FAR 4.16)  DLMS Note: For iRAPT, use to indicate a contract procurement instrument identifier (PIID) is being corrected. The vendor will enter the Contract Number PIID of the immediately preceding Corrected Receiving Report or Receiving Report, to which this correction applies.  Applicable to Shipment loop. Indicate Y in REF02 when Alternate Release Procedures (ARP) are applicable. | (ADC 1157 added to this list on 4/23/15)  (ADC 1161 added to this list on 09/15/16/16)  (ADC 1202 added to this list on 7/14/16) |
|  | U3 Unique Supplier Identification Number (USIN) | 1. Use in IUID loop to identify the UII value. Cite the UII in REF03. Cite the serial number, when applicable, in REF02.  2. Use in RFID loop for UII value when RFID is provided at the IUID packaging level. |  |
| 2/REF03/150 | Description  Federal Note | 1. Use to indicate IUID value when REF01=U3.  2. Use to indicate RFID when REF01=JH. |  |
| 2/CLD05/170 | Unit or Basis for Measurement Code | DLMS users see the Unit of Issue and Purchase Unit Conversion Table for available codes. |  |
| 2/N404/250 | Country Code | 1. Use to identify the country. See DLMS introductory note 8 Pending transition to the new country code standard (Refer to ADC 1075 448B for implementation) use code values for Data Element 1270, Code 85, Country and Activity Code) | (Added ADC 1075 DLMS Enhancements on 2/16/15.) |
| 2/SAC01/320 | N No Allowance or Charge | Use with code B020 in SAC02 to indicate a shipment is made under Certificate of Conformance terms. | (Added ADC 1202 to this list on 7/14/16) |
| 2.SAC02/320 | B020 Certificate of Conformance | Use to indicate when contract terms provide for use of Certificate of Conformance, and shipment is made under those terms. | (Added ADC 1202 to this list on 7/14/16) |
| 2/LQ01/350 | COG Cognizance Symbol | 1. Use to identify the material cognizance symbol (COG) of the end item. Indicate NSL for non-stock numbered listed items. This is a Navy-unique data element meaningful to Navy only; Non-Navy Components are to perpetuate without action.  2. DLMS enhancement. |  |
|  | MCC Material Control Code | 1. Use to identify the Material Control Code (MCC) for special inventory reporting. This is a Navy-unique data element meaningful to Navy only; Non-Navy Components are to perpetuate without action.  2. DLMS enhancement. |  |
|  | SMI Special Material Identification Code | 1. Use to identify the Special Material Identification Code (SMIC) for an end item. This is a Navy-unique data element meaningful to Navy only; Non-Navy components are to perpetuate without action.  2. DLMS enhancement. |  |