

650 Maintenance Service Order

Functional Group=MO

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Maintenance Service Order Transaction Set (650) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set provides a uniform, singular medium for the exchange of maintenance related information among organizations involved in the reporting, requesting, scheduling, planning, estimating, coordinating and performing of maintenance actions. It provides the structure to convey maintenance-related information, including maintenance action directives, maintenance actions, cost estimates, maintenance action assignments, maintenance action status, and completion reports. This transaction set can be used in a bi-directional environment alone or in conjunction with the Project Schedule Reporting Transaction Set (806) to link schedule and maintenance action information as well as with the Specifications/Technical Information Transaction Set (841) to link maintenance-related, media independent, technical data.

Federal Note:

1. This transaction set is used by the Assembly Manager to provide Unit Assembly data to the Assembly Activity. The transaction may be used by the Assembly Activity to enter corrections, provide missing data and may also be used to transmit local changes and history data to the Assembly Manager.
2. DoD logistics users should refer to the Defense Logistics Management Standards (DLMS) Implementation Convention (IC) available at URL: www.dla.mil/does/DLMS. The DLMS IC provides specific business rules, conditions, and authorized codes necessary for appropriate use of this IC within the DLMS.

DLMS Note:

1. Users operating under the Defense Logistics Management Standards (DLMS) must reference the Unit of Issue and Purchase Unit Conversion Table and the Transportation Mode of Shipment Conversion Table which can be found on the DLMS Program Office Web site at www.dla.mil/does/DLMS.
2. This DLMS IC was developed in support of the U.S. Army Medical Materiel Agency (USAMMA) Enterprise Resource Planning (ERP) modernization program. This functionality is an enhancement over current Defense Logistics Standard System (DLSS), and is not available in the DLSS. This DLMS IC supports functionality of the non-DLSS C-Series Document Identifier codes C2A (Unit Assembly End Item Data), C2B (Unit Assemblage Control Data), and C2D (Assembly Directive Component Item Data).
3. This DLMS Implementation Convention contains:
 - a. Data associated with a DLMS enhancement which may not be received or understood by the recipient's automated processing system. DLMS procedures may not have been developed. Components must coordinate requirements and business rules with DLMS Program Office prior to use.
 - b. Data which is retained in the DLMS for a transition period to support transaction conversion in a mixed DLSS (and non-DLSS C-series)/DLMS environment. This data will be streamlined out once full DLMS implementation is reached. Components may coordinate with DLMS Program Office for early termination (or retention) of specific data requirements for users operating in a full DLMS environment.
 - c. Data elements which have an expanded field size above existing DLSS (or non-DLSS C-series) capability which may not be supported by the recipient's automated processing system. Components must coordinate implementation with DLMS Program Office prior to use.
4. This revision to the DLMS IC incorporates Proposed DLMS Change and Approved DLMS Change (ADC) listed. PDCs/ADCs are available from the DLMS Program Office Web site: <http://www.dla.mil/HQ/InformationOperations/DLMS/eLibrary/Changes/processchanges/>
 - ADC 149, DLMS Supplements 650A, Support of Medical Requirements for Assembly Component Maintenance Structure
 - ADC 149A, Correction to DLMS Supplements 650A in Support of Requirements for the Medical Unit Assembly Program
 - ADC 436, Administrative Revisions to DLMS Supplements to Remove Obsolete Routing Identifier Code (RIC) "Streamline" Notes and Update MILSTRIP/DLMS Documentation Associated with Routing Identifiers
 - Administrative update completed on October 05, 2011 to add migration code note for Hazardous Characteristics Code.
 - Organizational Name and Other Non-Substantive (Administrative) Updates Completed on April 15, 2014.
 - ADC 1043C, Administrative Corrections for SLOA Data in the 810L Logistics Bill and other DLMS ICs
 - Administrative Update to Reflect Realignment to Recognize DLMS Program Office Completed on December 21, 2016
 - ADC 1254, Remove Unit of Measure Code Validation from DLMS XML Schemas

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
0100	ST	Transaction Set Header	M	1			Must use
0200	BGN	Beginning Segment	M	1			Must use
0300	REF	Reference Identification	O	>1			Used
0400	DTM	Date/Time Reference	O	>1			Used
LOOP ID - N1					>1	N1/0500L	
0500	N1	Name	O	1		N1/0500	Used
* 0600	N2	Additional Name Information	O	2			

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
* 0700	N3	Address Information	O	2			
* 0800	N4	Geographic Location	O	1			
* 0900	PER	Administrative Communications Contact	O	>1			
* 1000	REF	Reference Identification	O	>1			
* LOOP ID - LM					≥1		
* 1100	LM	Code Source Information	O	1			
* 1200	LQ	Industry Code	M	>1			
* 1300	PER	Administrative Communications Contact	O	>1			
* 1400	REF	Reference Identification	O	>1			

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - HL					≥1	N2/0100L	
0100	HL	Hierarchical Level	M	1		N2/0100	Must use
* 0200	SPI	Specification Identifier	O	1			
0300	REF	Reference Identification	O	>1			Used
0400	LIN	Item Identification	O	>1			Used
* 0500	DTM	Date/Time Reference	O	>1			
0600	QTY	Quantity	O	>1			Used
0700	YNQ	Yes/No Question	O	>1		N2/0700	Used
0800	AMT	Monetary Amount	O	>1			Used
* 0900	PCT	Percent Amounts	O	>1			
1000	MEA	Measurements	O	>1			Used
* LOOP ID - CLI					≥1		
* 1100	CLI	Cost Line Item	O	1			
* 1200	QTY	Quantity	O	>1			
* 1300	AMT	Monetary Amount	O	>1			
* 1400	RPA	Rate Amounts or Percents	O	>1			
LOOP ID - LM					≥1	N2/1500L	
1500	LM	Code Source Information	O	1		N2/1500	Used
1600	LQ	Industry Code	M	>1			Must use
* 1700	REF	Reference Identification	O	>1			
* 1800	DTM	Date/Time Reference	O	>1			
* LOOP ID - NM1					≥1	N2/1900L	
* 1900	NM1	Individual or Organizational Name	O	1		N2/1900	
* 2000	N2	Additional Name Information	O	2			
* 2100	N3	Address Information	O	2			
* 2200	N4	Geographic Location	O	1			
* 2300	COM	Communication Contact Information	O	>1			
* 2400	REF	Reference Identification	O	>1			
LOOP ID - MTX					≥1		
2500	MTX	Text	O	1			Used
* 2600	DTM	Date/Time Reference	O	>1			
* 2700	NM1	Individual or Organizational Name	O	>1			
* 2800	REF	Reference Identification	O	>1			
2900	SE	Transaction Set Trailer	M	1			Must use

Notes:

1/0500L The N1 segment identifies the organization originating and receiving the transaction set.

- 1/0500 The N1 segment identifies the organization originating and receiving the transaction set.
- 2/0100L The HL levels are group work candidate and work candidate. Valid HL parent-child relationships are 1) group work candidate-group work candidate and 2) group work candidate-work candidate.
- 2/0100 The HL levels are group work candidate and work candidate. Valid HL parent-child relationships are 1) group work candidate-group work candidate and 2) group work candidate-work candidate.
- 2/0700 The YNQ segment identifies conditions related to a maintenance or repair requirement.
- 2/1500L The LM loop identifies management data that pertains to each use of the HL loop.
- 2/1500 The LM loop identifies management data that pertains to each use of the HL loop.
- 2/1900L The NM1 segment identifies individuals and organizations involved in identifying, coordinating or performing maintenance.
- 2/1900 The NM1 segment identifies individuals and organizations involved in identifying, coordinating or performing maintenance.

ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

User Option (Usage): Must use

Purpose: To indicate the start of a transaction set and to assign a control number

Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
Description: Code uniquely identifying a Transaction Set						
CodeList Summary (Total Codes: 314, Included: 1)						
Code Name						
650 Maintenance Service Order						
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						
Federal Note: <i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i>						
ST03	1705	Implementation Convention Reference	O	AN	1/35	Used
Description: Reference assigned to identify Implementation Convention						
DLMS Note: <i>Use to indicate this transmission uses the 650A DLMS Implementation Convention (IC). Enter the DLMS IC 004030F650A0AA00</i>						

BGN Beginning Segment

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Must use

Purpose: To indicate the beginning of a transaction set

Syntax Rules:

1. C0504 - If BGN05 is present, then BGN04 is required.

Semantics:

1. BGN02 is the transaction set reference number.
2. BGN03 is the transaction set date.
3. BGN04 is the transaction set time.
4. BGN05 is the transaction set time qualifier.
5. BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BGN01	353	Transaction Set Purpose Code	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

CodeList Summary (Total Codes: 65, Included: 2)

<u>Code</u>	<u>Name</u>
00	Original
77	Simulation Exercise

DLMS Note:

Use to identify a simulated mobilization exercise transaction set. Activities initiating simulated mobilization exercises must ensure complete coordination with all activities involved. All transaction set recipients must use extreme caution to ensure that individual transactions do not process as action documents which affect accountable records.

BGN02	127	Reference Identification	M	AN	1/50	Must use
-------	-----	---------------------------------	---	----	------	----------

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Federal Note: Use code 'Z' for this data element to satisfy mandatory X12 Requirements.

BGN03	373	Date	M	DT	8/8	Must use
-------	-----	-------------	---	----	-----	----------

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

Federal Note: This date corresponds to the Universal Time Coordinate (UTC).

BGN07	640	Transaction Type Code	O	ID	2/2	Used
-------	-----	------------------------------	---	----	-----	------

Description: Code specifying the type of transaction

CodeList Summary (Total Codes: 500, Included: 1)

<u>Code</u>	<u>Name</u>
WO	Work Order

DLMS Note:

For Medical use in transaction for transmission of a request for assembly maintenance action.

BGN08	306	Action Code	O	ID	1/2	Used
-------	-----	--------------------	---	----	-----	------

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
------------	-----------	---------------------	------------	-------------	----------------	--------------

Description: Code indicating type of action

CodeList Summary (Total Codes: 311, Included: 3)

<u>Code</u>	<u>Name</u>
-------------	-------------

2	Change (Update)
---	-----------------

DLMS Note:

For Medical use in transaction for transmission of a request to add or change an assembly maintenance action.

3	Delete
---	--------

DLMS Note:

*For Medical use in transaction for transmission of a request to delete an assembly maintenance action.
Applies to Component data information.*

17	Create
----	--------

DLMS Note:

For Medical use in transaction for initial transmission of a request for assembly maintenance action.

REF Reference Identification

Pos: 0300	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To specify identifying information

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

DLMS Note:

Must use this 1/REF/0300 to identify the Build Directive Number for this transaction.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Federal Note: *Use any code.*

DLMS Note: *For DLMS use only the following codes are authorized.*

CodeList Summary (Total Codes: 1631, Included: 5)

Code Name

89 Assembly Number

DLMS Note:

For Medical use in transactions to identify the Unit Assembly Number for medical/surgical component assembly.

IQ End Item

DLMS Note:

1. For Medical use in transactions to identify the End Item Receipt Document Number for medical/surgical component assembly.

2. End Item Receipt Document Number accommodates a DSCP requirement. The USAMMA ERP does not use this data.

JB Job (Project) Number

DLMS Note:

For Medical use in transactions to identify the Project Order Number for medical/surgical component assembly.

TN Transaction Reference Number

DLMS Note:

Use to identify the transaction number. This is the customer's document number.

WO Work Order Number

DLMS Note:

For Medical use in transactions to identify the Build Directive Number for medical/surgical component assembly.

A data maintenance action was approved in version 5010. The approved code/name is "BDN - Build Directive Number".

REF02	127	Reference Identification	X	AN	1/50	Used
-------	-----	--------------------------	---	----	------	------

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
------------	-----------	---------------------	------------	-------------	----------------	--------------

DTM Date/Time Reference

Pos: 0400	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

Federal Note: Use any code.

DLMS Note: For DLMS use only the following codes are authorized.

CodeList Summary (Total Codes: 1226, Included: 1)

Code Name

RFD Requested Finish

DLMS Note:

For Medical use in transactions to identify the Build Completion Date for medical/surgical component assembly.

DTM02	373	Date	X	DT	8/8	Used
-------	-----	------	---	----	-----	------

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

N1 Name

Pos: 0500	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To identify a party by type of organization, name, and code

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

Federal Note:

Must use the 1/N1/0500 loop to identify the organization to receive the transaction set and the organization originating the transaction set.

DLMS Note:

May use additional iterations of the 1/N1/0500 loop to identify other organizations associated the transaction set.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

Federal Note: *Use any code.*

DLMS Note: *For DLMS use only the following codes are authorized.*

CodeList Summary (Total Codes: 1446, Included: 3)

Code Name

ST Ship To

DLMS Note:

For Medical use in transactions to identify the assembly final destination.

WZ Final Maintenance Organization

DLMS Note:

1. For Medical use transactions to identify [final] assembly/maintenance organization for medical/surgical component assembly. This organization will complete kit assemblies and ship to final destination activity.

2. This qualifier represents the Assembly Activity.

Z4 Owning Inventory Control Point

DLMS Note:

1. For Medical use in transactions to identify the supply source.

2. This qualifier represents the Assembly Manager.

N103	66	Identification Code Qualifier	X	ID	1/2	Used
------	----	-------------------------------	---	----	-----	------

Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary (Total Codes: 223, Included: 4)

Code Name

1 D-U-N-S Number, Dun & Bradstreet

DLMS Note:

DLMS enhancement; see introductory DLMS note 3a.

Code Name

9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix

DLMS Note:*DLMS enhancement; see introductory DLMS note 3a.*

10 Department of Defense Activity Address Code (DODAAC)

DLMS Note:*DLMS enhancement; see introductory DLMS note 3a.*

M4 Department of Defense Routing Identifier Code (RIC)

N104	67	Identification Code	X	AN	2/80	Used
------	----	----------------------------	---	----	------	------

Description: Code identifying a party or other code

N106	98	Entity Identifier Code	O	ID	2/3	Used
------	----	-------------------------------	---	----	-----	------

Description: Code identifying an organizational entity, a physical location, property or an individual**CodeList Summary** (Total Codes: 1446, Included: 2)**Code Name**

FR Message From

DLMS Note:*Use with the appropriate 1/N101/0500 code to indicate that the organization cited in N104 is originating the transaction set.*

TO Message To

DLMS Note:*Use with the appropriate 1/N101/0500 code to indicate that the organization cited in N104 is the action organization receiving the transaction set.*

HL Hierarchical Level

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

User Option (Usage): Must use**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments**Comments:**

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Federal Note:

For use in End Item Data, Assemblage Control Data, and Component Data loops.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use
		Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure Federal Note: <i>In the first 2/HL/0100 loop iteration, cite numeric 1. In each subsequent loop iteration, increase incrementally by 1.</i>				
HL02	734	Hierarchical Parent ID Number	O	AN	1/12	Used
		Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to				
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
		Description: Code defining the characteristic of a level in a hierarchical structure CodeList Summary (Total Codes: 218, Included: 3)				
		Code	Name			
		A	Assembly			
		DLMS Note: <i>For Medical use in Assemblage Control Data (DIC C2B) loop.</i>				
		F	Component			
		DLMS Note: <i>For Medical use in Component Data (DIC C2D) loop.</i>				
		EN	End Item			
		DLMS Note: <i>For Medical use in End Item Data (IDIC C2A) loop.</i>				
HL04	736	Hierarchical Child Code	O	ID	1/1	Used
		Description: Code indicating if there are hierarchical child data segments subordinate to the level being described				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
All valid standard codes are used. (Total Codes: 2)						

REF Reference Identification

Pos: 0300	Max: >1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

Purpose: To specify identifying information

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

DLMS Note:

For Medical use in Assemblage Control Data (C2B) loops and Component Data (C2D) loops.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Federal Note: *Use any code.*

DLMS Note: *For DLMS use only the following codes are authorized.*

CodeList Summary (Total Codes: 1631, Included: 2)

Code Name

55 Sequence Number

DLMS Note:

For Medical use in Component Data loops to identify the Sort Sequence.

QQ Unit Number

DLMS Note:

For Medical use in Assemblage Control Data loops to identify the Assembly Control Number for medical/surgical component assembly.

A data maintenance action was approved in version 5010. The approved code/name is "CAN – Assembly Control Number".

REF02	127	Reference Identification	X	AN	1/50	Used
-------	-----	--------------------------	---	----	------	------

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

LIN Item Identification

Pos: 0400	Max: >1
Detail - Optional	
Loop: HL	Elements: 6

User Option (Usage): Used

Purpose: To specify basic item identification data

Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.
6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

Semantics:

1. LIN01 is the line item identification

Comments:

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Federal Note:

Use in 2/HL/0100 transaction loops to identify the materiel.

DLMS Note:

For Medical use in End Item Data (C2A) loop, Assemblage Control Data (C2B) loops and Component Data (C2D) loops.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Must use

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Federal Note: *Use any code.*

DLMS Note: *For DLMS use only the following codes are authorized.*

CodeList Summary (Total Codes: 505, Included: 3)

Code Name

A3 Locally Assigned Control Number

DLMS Note:

Must use with the Assemblage Control Data (C2B) loop, to identify the Assemblage Identification Number (AIN).

FS National Stock Number

DLMS Note:

Must use with the Component Data (C2D) loop only, to identify the stock number.

SW Stock Number

Code Name**DLMS Note:**

Must use with the End Item Data (C2A) loop only, to identify the End Item Stock Number.

LIN03 234 **Product/Service ID** M AN 1/48 Must use

Description: Identifying number for a product or service

LIN04 235 **Product/Service ID Qualifier** X ID 2/2 Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

DLMS Note: *For Medical use in End Item Data and Component Data loops.*

CodeList Summary (Total Codes: 505, Included: 1)

Code Name

OE Original Equipment Number

DLMS Note:

Use in Component Data loops to identify the Original Component Stock Number for medical/surgical component assembly.

LIN05 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

DLMS Note: *For Medical use in the Component Data loop.*

LIN06 235 **Product/Service ID Qualifier** X ID 2/2 Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Federal Note: *Use any code.*

DLMS Note: *1. For Medical use in the Component Data loop.*

2. For DLMS, only the following codes are authorized.

CodeList Summary (Total Codes: 505, Included: 3)

Code Name

N4 National Drug Code in 5-4-2 Format

DLMS Note:

Use only to identify a National Drug Code. NSN must be identified in LIN02/03.

VC Vendor's (Seller's) Catalog Number

DLMS Note:

Use only to identify the Prime Vendor's Catalog Number. NSN must be identified in LIN02/03.

VP Vendor's (Seller's) Part Number

DLMS Note:

Use only to identify the Prime Vendor's Part Number. NSN must be identified in LIN02/03.

LIN07 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

QTY Quantity

Pos: 0600	Max: >1
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used**Purpose:** To specify quantity information**Syntax Rules:**

1. R0204 - At least one of QTY02 or QTY04 is required.
2. E0204 - Only one of QTY02 or QTY04 may be present.

Semantics:

1. QTY04 is used when the quantity is non-numeric.

Federal Note:

Use in 2/HL/0100 transaction loops to identify the quantity being requested.

DLMS Note:

For Medical use in End Item Data (C2A) and Component Data (C2D) loops.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
QTY01	673	Quantity Qualifier	M	ID	2/2	Must use

Description: Code specifying the type of quantity**Federal Note:** Use any code.**DLMS Note:** For DLMS use only the following codes are authorized.**CodeList Summary** (Total Codes: 976, Included: 4)**Code Name**

63 On Order Quantity

DLMS Note:

1. Use to identify the number of assemblies being requested, Total Number of Assemblages in End Item Data loop.

2. Use to identify the quantity of each component that is to be placed in an assembly, Basic Quantity in the Component Data loop.

AP Order Quantity Multiple

DLMS Note:

Use to identify the Extended Quantity of a component part in an assembly in the Component Data loop.

SH Shortage

DLMS Note:

Use to identify the Quantity Authorized Short of a component part in an assembly in the Component Data loop.

T5 Total Number of Units

DLMS Note:

Use as needed in the end item data loop to identify the total number of lines in the Assemblage Identification Number (AIN).

QTY02	380	Quantity	X	R	1/15	Used
-------	-----	----------	---	---	------	------

Description: Numeric value of quantity**Federal Note:** Express as whole number with no decimals.**DLMS Note:** A field size exceeding 5 positions may not be received or understood by the recipient's automated processing system. See introductory DLMS note 3c.

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
QTY03	C001	Composite Unit of Measure Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	O	Comp		Used
QTY03-01	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Federal Note: <i>Use to identify the unit of issue for materiel requested.</i> DLMS Note: <i>1. For use with QTY01 codes 63, AP, and SH.</i> <i>2. DLMS users see the DLMS Unit of Issue and Purchase Unit Conversion Table for available codes.</i>	M	ID	2/2	Must use
QTY03-04	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken DLMS Note: <i>1. For Medical use in Component Data loops to identify the Unit of Measure for materiel requested. Use in conjunction with QTY01 code '63'.</i> <i>2. DLMS users see the DLMS Unit of Issue and Purchase Unit Conversion Table for available codes.</i>	O	ID	2/2	Used
QTY03-06	649	Multiplier Description: Value to be used as a multiplier to obtain a new value DLMS Note: <i>For Medical use in Component Data loops to identify the Measurement Quantity for materiel requested. Use in conjunction with QTY01 code '63'.</i>	O	R	1/10	Used

YNQ Yes/No Question

Pos: 0700	Max: >1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

Purpose: To identify and answer yes and no questions, including the date, time, and comments further qualifying the condition

Syntax Rules:

1. E010910 - Only one of YNQ01, YNQ09 or YNQ10 may be present.
2. P0304 - If either YNQ03 or YNQ04 is present, then the other is required.
3. C0908 - If YNQ09 is present, then YNQ08 is required.

Semantics:

1. YNQ02 confirms or denies the statement made in YNQ01, YNQ09 or YNQ10. A "Y" indicates the statement is confirmed; an "N" indicates the statement is denied.
2. YNQ10 contains a free-form question when codified questions are not available.

DLMS Note:

For Medical use in Component Data (C2D) loops.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
YNQ01	1321	Condition Indicator	X	ID	2/2	Used

Description: Code indicating a condition

CodeList Summary (Total Codes: 1250, Included: 1)

Code Name

ZZ Mutually Defined

DLMS Note:

Use in Component Data (C2D) loops to identify the Inspection Required Indicator for medical/surgical component assembly.

A data maintenance action was approved in version 5030. The approved code/name is "CAI – Component Assembly Inspection Required".

YNQ02	1073	Yes/No Condition or Response Code	M	ID	1/1	Must use
-------	------	-----------------------------------	---	----	-----	----------

Description: Code indicating a Yes or No condition or response

AMT Monetary Amount

Pos: 0800	Max: >1
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used**Purpose:** To indicate the total monetary amount**DLMS Note:***For Medical use in End Item Data (C2A) loop.***Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AMT01	522	Amount Qualifier Code	M	ID	1/3	Must use

Description: Code to qualify amount**Federal Note:** Use any code.**DLMS Note:** For DLMS use, only the following codes are authorized.**CodeList Summary** (Total Codes: 1696, Included: 1)**Code Name**

TC Proposed Cost

DLMS Note:*Use in End Item Data loop to identify the Assembly Estimated Cost.*

AMT02	782	Monetary Amount	M	R	1/18	Must use
-------	-----	-----------------	---	---	------	----------

Description: Monetary amount

AMT03	478	Credit/Debit Flag Code	O	ID	1/1	Used
-------	-----	------------------------	---	----	-----	------

Description: Code indicating whether amount is a credit or debit

MEA Measurements

Pos: 1000	Max: >1
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used

Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. C0504 - If MEA05 is present, then MEA04 is required.
3. C0604 - If MEA06 is present, then MEA04 is required.
4. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
5. E0803 - Only one of MEA08 or MEA03 may be present.

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments:

1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Federal Note:

Use multiple repetitions to identify any measurement/dimensions.

DLMS Note:

For Medical use in the Component Data (C2D) loop.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MEA01	737	Measurement Reference ID Code	O	ID	2/2	Used

Description: Code identifying the broad category to which a measurement applies

Federal Note: *Use any code.*

DLMS Note: *For DLMS use only the following codes are authorized.*

CodeList Summary (Total Codes: 157, Included: 2)

Code Name

PD Physical Dimensions

DLMS Note:

Use in the Component Data loop to define the Unit Cube being passed in MEA03.

WT Weights

DLMS Note:

Use in the Component Data loop to define the Assembly Unit of Issue Weight being passed in MEA03.

MEA02	738	Measurement Qualifier	O	ID	1/3	Used
-------	-----	-----------------------	---	----	-----	------

Description: Code identifying a specific product or process characteristic to which a measurement applies

Federal Note: *1. Use to identify the specific dimension/measurement quantified in MEA03.*

2. Use any code.

DLMS Note: *For DLMS use, only the following codes are authorized.*

CodeList Summary (Total Codes: 959, Included: 2)

Code Name

U Weight per Unit

DLMS Note:*Use in the Component Data loop to define the Assembly Unit of Issue Weight being passed in MEA03.*

UCB Cube

DLMS Note:*Use in the Component Data loops to define the Unit Cube being passed in MEA03.*

MEA03	739	Measurement Value	X	R	1/20	Used
-------	-----	--------------------------	---	---	------	------

Description: The value of the measurement

LM Code Source Information

Pos: 1500	Max: 1
Detail - Optional	
Loop: LM	Elements: 1

User Option (Usage): Used

Purpose: To transmit standard code list identification information

Comments:

1. LM02 identifies the applicable industry code list source information.

Federal Note:

Use this 2/LM/1500 loop to identify coded information maintained in department or agency documentation.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LM01	559	Agency Qualifier Code	M	ID	2/2	Must use

Description: Code identifying the agency assigning the code values

CodeList Summary (Total Codes: 187, Included: 1)

Code Name

DF Department of Defense (DoD)

LQ Industry Code

Pos: 1600	Max: >1
Detail - Mandatory	
Loop: LM	Elements: 2

User Option (Usage): Must use**Purpose:** Code to transmit standard industry codes**Syntax Rules:**

1. C0102 - If LQ01 is present, then LQ02 is required.

Federal Note:

Use to identify codes, as appropriate, consistent with management information requirements.

DLMS Note:

For Medical use in the End Item Data (C2A), Assemblage Control Data (C2B), and the Component Data (C2D) loops as required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LQ01	1270	Code List Qualifier Code	O	ID	1/3	Used

Description: Code identifying a specific industry code list

Federal Note: *Use any code.*

DLMS Note: *For DLMS use only the following codes are authorized.*

CodeList Summary (Total Codes: 769, Included: 7)

Code Name

0 Document Identification Code

DLMS Note:

1. The DIC is retained in the DLMS to facilitate transaction conversion in a mixed DLSS/DLMS environment. Continued support of the DIC in a full DLMS environment will be assessed at a future date.

2. Use in the End Item Data, Assemblage Control, and Component Data loops.

3. Future streamlined data; see introductory DLMS note 3b.

33 Air Commodity and Special Handling Code

DLMS Note:

Use in the Component Data loop to identify the Air Commodity and Special Handling Code.

34 Water Commodity and Special Handling Code

DLMS Note:

Use in the Component Data loop to identify the Water Commodity and Special Handling Code.

AL Special Requirements Code

DLMS Note:

1. Use to identify precedence, special handling, and processing requirements.

2. Use in the Component Data loop to identify the Special Requirements Code.

EQ Controlled Inventory Item Code

DLMS Note:

Use in the Component Data loop to identify the Controlled Inventory Item Code.

FE Shelf Life Code

DLMS Note:

Use in the Component Data loop to identify the Shelf Life Code.

HMC Hazardous Material Content Code

DLMS Note:

1. Use in the Component Data loop to identify the "Hazardous Characteristics Code".

Code Name

2. *Implementation Note: This is an X12 Migration Code approved for use in Version 5020. Implementers must manually update 4030 software to recognize this code.*

LQ02	1271	Industry Code	X	AN	1/30	Used
------	------	----------------------	---	----	------	------

Description: Code indicating a code from a specific industry code list

MTX Text

Pos: 2500	Max: 1
Detail - Optional	
Loop: MTX	Elements: 2

User Option (Usage): Used

Purpose: To specify textual data

Syntax Rules:

1. C0102 - If MTX01 is present, then MTX02 is required.
2. C0302 - If MTX03 is present, then MTX02 is required.
3. C0504 - If MTX05 is present, then MTX04 is required.

Semantics:

1. MTX05 is the number of lines to advance before printing.

Comments:

1. If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

DLMS Note:

For Medical use in End Item Data (C2A) and Component Data (C2D) loops.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MTX01	363	Note Reference Code	O	ID	3/3	Used
Description: Code identifying the functional area or purpose for which the note applies						
CodeList Summary (Total Codes: 342, Included: 1)						
Code Name						
	IID	Inventory (Stock) Description				
DLMS Note:						
1. Use to identify the Assembly Nomenclature in the End Item Data loop.						
2. Use to identify the Component Nomenclature in the Component Data loop.						
MTX02	1551	Message Text	X	AN	1/4096	Used
Description: To transmit large volumes of message text						

SE Transaction Set Trailer

Pos: 2900	Max: 1
Detail - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Comments:

1. SE is the last segment of each transaction set.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				
		Federal Note: <i>Cite the same number as the one cited in ST02.</i>				