650   Maintenance Service Order

Functional Group=MO

Purpose: This Draft Standard for Trial Use contains the format and establishes then 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.

==Administrative update completed on October 05, 2011 to add migration code note for Hazardous Characteristics Code. - Please see highlighted text on pages: 1, 22 and 23.==

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 System (DLMS) Supplement to the Federal Implementation Convention (IC) available at URL: http://www.dla.mil/j-6/dlmso.   The DLMS Supplement 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 System (DLMS) must reference the Unit of Issue and Purchase Unit Conversion Table, Transportation Mode of Shipment Conversion Table, and the Accounting Classification Appendix which can be found on the DLA Logistics Management Standards web site at www.dla.mil/j-6/dlmso.

2. This DLMS supplement 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 Supplement 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 Supplement 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 DLA Logistics Management Standards 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 DLA Logistics Management Standards 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 DLA Logistics Management Standards prior to use.

4. This revision to the DS incorporates Proposed DLMS Change and Approved DLMS Change (ADC) listed. PDCs/ADCs are available from the DLA Logistics Management Standards website: http://www.dla.mil/j-6/dlmso/elibrary/Changes/processchanges.asp

- 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.==

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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			
* 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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use
		Description: Code uniquely identifying a Transaction Set				

Code	Name
650	Maintenance Service Order

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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:** *A unique number assigned by the originator of the transaction set, or the originator's application program.*				
ST03	1705	**Implementation Convention Reference**	O	AN	1/35	Used
		Description: Reference assigned to identify Implementation Convention **DLMS Note:** *Use to indicate this transmission uses the 650A Federal IC and the 650A DLMS Supplement. Enter the DLMS Supplement:004030F650A0AA00*				

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:

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

Description: Code identifying purpose of transaction set

Code	Name
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.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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).*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BGN07	640	**Transaction Type Code**	O	ID	2/2	Used

Description: Code specifying the type of transaction

Code	Name
WO	Work Order

DLMS Note:

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BGN08	306	**Action Code**	O	ID	1/2	Used

Description: Code indicating type of action

Code	Name
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

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".*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

DTM   Date/Time Reference

<table>
<tr><td>Pos: 0400</td><td>Max: >1</td></tr>
<tr><td colspan="2" align="center">Heading - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

Code	Name
RFD	Requested Finish

DLMS Note:

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

<div style="border:1px solid black">

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

</div>

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

Code	Name
ST	Ship To

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

Code	Name
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.

Code	Name
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.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

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

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

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.

			Pos: 0100	Max: 1
HL	**Hierarchical Level**		**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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: *In the first 2/HL/0100 loop iteration, cite numeric 1. In each subsequent loop iteration, increase incrementally by 1.*				
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				

Code	Name
A	Assembly
	DLMS Note: *For Medical use in Assemblage Control Data (DI Code C2B) loop.*
F	Component
	DLMS Note: *For Medical use in Component Data (DI Code C2D) loop.*
EN	End Item
	DLMS Note: *For Medical use in End Item Data (DI Code C2A) loop.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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				
		All valid standard codes are used.				

REF   Reference Identification

<table>
<tr><td>Pos: 0300</td><td>Max: >1</td></tr>
<tr><td colspan="2" align="center">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 2</td></tr>
</table>

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

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".

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 material.

DLMS Note:

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

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

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.*

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.

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

<table>
<tr><td>Pos: 0600</td><td>Max: >1</td></tr>
<tr><td colspan="2" align="center">Detail - Optional</td></tr>
<tr><td>Loop: HL</td><td>Elements: 3</td></tr>
</table>

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

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).

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
QTY03	C001	**Composite Unit of Measure**	O	Comp		Used

Description: To identify a composite unit of measure(See Figures Appendix for examples of use)

QTY03-01	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Federal Note: *Use to identify the unit of issue for material requested.*
DLMS Note: *1.   For use with QTY01 codes 63, AP, and SH.*

2.   DLMS users see the Unit of Issue and Purchase Unit Conversion Table for available codes.
All valid standard codes are used.

QTY03-04	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
DLMS Note: *1. For Medical use in Component Data loops to identify the Unit of Measure for material requested.   Use in conjunction with QTY01 code '63'.*

2.   DLMS users see the Unit of Issue and Purchase Unit Conversion Table for available codes.
All valid standard codes are used.

QTY03-06	649	**Multiplier**	O	R	1/10	Used

Description: Value to be used as a multiplier to obtain a new value
DLMS Note: *For Medical use in Component Data loops to identify the Measurement Quantity for material requested.   Use in conjunction with QTY01 code '63'.*

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.
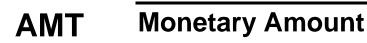3. C0908 - If YNQ09 is present, then YNQ08 is required.

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:

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

Description: Code indicating a condition

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".*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

Code	Name
TC	Proposed Cost

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AMT02	782	**Monetary Amount**	M	R	1/18	Must use

Description: Monetary amount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

Code	Name
PD	Physical Dimensions

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

Code	Name
WT	Weights

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

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:

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

Description: Code identifying the agency assigning the code values

Code	Name
DF	Department of Defense (DoD)

LQ   Industry Code

<table>
<tr><td>Pos: 1600</td><td style="text-align:right">Max: >1</td></tr>
<tr><td colspan="2" style="text-align:center">Detail - Mandatory</td></tr>
<tr><td>Loop: LM</td><td style="text-align:right">Elements: 2</td></tr>
</table>

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

Code	Name
0	Document Identification Code

DLMS Note:

1. The DI Code is retained in the DLMS to facilitate transaction conversion in a mixed DLSS/DLMS environment. Continued support of the DI Code 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".

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

Implementers must manually update 4030 software to recognize this code.

MTX   Text

<table>
<tr><td>Pos: 2500</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: MTX</td><td>Elements: 2</td></tr>
</table>

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MTX01	363	**Note Reference Code**	O	ID	3/3	Used

Description: Code identifying the functional area or purpose for which the note applies

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.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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:** *Cite the same number as the one cited in ST02.*				