

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.

DLMS Note:

1. This transaction set is used by the Assembly Activity to notify the Assembly Manager that packing has been completed at the Assembly Activity for the designated component within the specified parameters.
 - a. 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 Defense Enterprise Data Standards Office (DEDSO) Web site at www.dla.mil/does/DLMS.
2. This DLMS IC is an enhancement over the current Defense Logistics Standard System (DLSS), and provides functionality not available in the DLSS. This DLMS IC supports functionality of the non-DLSS C-series Document Identifier Code C2F, Component Packing Confirmation.
3. This DLMS Implementation Convention (IC) 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 DEDSO 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 DEDSO 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 DEDSO prior to use.
4. This revision to the DLMS IC incorporates Proposed DLMS Change (PDC) and Approved DLMS Change (ADC) listed. PDCs/ADCs are available from the DEDSO Web site <http://www.dla.mil/HQ/InformationOperations/DLMS/eLibrary/Changes/processchanges/>
 - ADC 145, New DLMS Supplement (DS) and Federal Implementation Convention 650C, Component Packing Confirmation in Support of Medical Requirements (Supply)
 - ADC 189, Revised DLMS Supplement (DS) 650C, Component Packing Confirmation, to Allow for Functionality of Decimal Capability in Quantity Packed
 - 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
 - Organizational Name and Other Non-Substantive (Administrative) Updates Completed on June 26, 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
 - Administrative Update to Reflect Realignment of DLMS Program Office to Enterprise Business Standards Office (EBSO) - Completed on August 09, 2018
 - ADC 1367, Administrative Update to Convert Federal Notes to DLMS Notes within DLMS Implementation Conventions
 - Administrative Update to Reflect Realignment of Enterprise Business Standards Office (EBSO) to Defense Enterprise Data Standards Office (DEDSO) - Completed on February 24, 2022
 - ADC 1412, Replacement of Data Universal Numbering System Number with Unique Entity Identifier and Electronic Funds Transfer Indicator to Wide Area Workflow

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
*	ISA	Interchange Control Header	M	1			
*	GS	Functional Group Header	M	1			

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BGN	Beginning Segment	M	1			Must use
0300	REF	Reference Identification	O	>1			Used

<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>
* 0400	DTM	Date/Time Reference	O	>1			
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			Used
1200	LQ	Industry Code	M	>1			Must use
* 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	
* 0800	AMT	Monetary Amount	O	>1			
* 0900	PCT	Percent Amounts	O	>1			
* 1000	MEA	Measurements	O	>1			
* 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	
* 1600	LQ	Industry Code	M	>1			
* 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			
* 2600	DTM	Date/Time Reference	O	>1			
* 2700	NM1	Individual or Organizational Name	O	>1			
* 2800	REF	Reference Identification	O	>1			

<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>
2900	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

<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>
*	GE	Functional Group Trailer	M	1			
*	IEA	Interchange Control Trailer	M	1			

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.

STTransaction Set Header

Pos: 0100Max: 1

Heading - Mandatory

Loop: N/AElements: 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				
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				
		DLMS 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				

BGN Beginning Segment

Pos: 0200Max: 1

Heading - Mandatory

Loop: N/AElements: 4

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.						
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						
DLMS 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						
DLMS 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						
Code Name						
ZB Report of Work Candidate						
DLMS Note:						
Use for component packing confirmation. (non-DLSS DIC C2F). An ANSI data maintenance action will be taken to obtain a more appropriate code for Component Packing Confirmation for use in a future version/release.						

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										
DLMS Note: <i>The following codes are authorized.</i>										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>WO</td><td>Work Order Number</td></tr></table>							<u>Code</u>	<u>Name</u>	WO	Work Order Number
<u>Code</u>	<u>Name</u>									
WO	Work Order Number									
DLMS Note: <i>Use 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).</i>										
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										

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.

DLMS Note:

Must use this 1/N1/0500 loop to identify the organizations originating the transaction set and to receive 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						
DLMS Note: <i>The following codes are authorized.</i>						
<u>Code</u> <u>Name</u>						
	WZ	Final Maintenance Organization				
DLMS Note: <i>Use to identify [final] assembly/maintenance activity for medical/surgical component assembly. This organization will complete kit assemblies and ship to final destination activity.</i>						
	Z4	Owning Inventory Control Point				
DLMS Note: <i>Use to identify the supply source/Assembly Manager.</i>						
N103	66	Identification Code Qualifier	X	ID	1/2	Used
Description: Code designating the system/method of code structure used for Identification Code (67)						
<u>Code</u> <u>Name</u>						
	10	Department of Defense Activity Address Code (DODAAC)				
DLMS Note: <i>DLMS enhancement; see introductory DLMS note 3a.</i>						
	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						
<u>Code</u> <u>Name</u>						
	FR	Message From				
DLMS Note: <i>Use with 1/N101/0500 code WZ to indicate that the organization cited in N104 is originating the transaction set.</i>						

Code **Name**

TO Message To

DLMS Note:
Use with 1/N101/0500 code Z4 to indicate that the organization cited in N104 is the action organization receiving the transaction set.

LM Code Source Information

Pos: 1100	Max: 1
Heading - 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.

DLMS Note:

Use this 1/LM/1100 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

Pos: 1200	Max: >1
Heading - 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.

DLMS Note:

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

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										
DLMS Note: <i>The following codes are authorized.</i>										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>0</td><td>Document Identification Code</td></tr></table>							<u>Code</u>	<u>Name</u>	0	Document Identification Code
<u>Code</u>	<u>Name</u>									
0	Document Identification Code									
DLMS Note: <i>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.</i> <i>2. Future streamlined data; see introductory DLMS note 3b.</i>										
LQ02	1271	Industry Code	X	AN	1/30	Used				
Description: Code indicating a code from a specific industry code list										

HLHierarchical Level

Pos: 0100

Max: 1

Detail - Mandatory

Loop: HLElements: 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.

DLMS Note:

For use in Component Packing Confirmation 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>				
HL01	628	Hierarchical ID Number Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure DLMS Note: <i>In the first 2/HL/0100 loop iteration, cite numeric 1. In each subsequent loop iteration, increase incrementally by 1.</i>	M	AN	1/12	Must use				
HL02	734	Hierarchical Parent ID Number Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O	AN	1/12	Used				
HL03	735	Hierarchical Level Code Description: Code defining the characteristic of a level in a hierarchical structure DLMS Note: <i>The following codes are authorized.</i> <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>F</td><td>Component</td></tr></table> DLMS Note: <i>For Medical use in Component Packing Confirmation loop.</i>	<u>Code</u>	<u>Name</u>	F	Component	M	ID	1/2	Must use
<u>Code</u>	<u>Name</u>									
F	Component									
HL04	736	Hierarchical Child Code Description: Code indicating if there are hierarchical child data segments subordinate to the level being described All valid standard codes are used.	O	ID	1/1	Used				

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:

Use in Component Packing Confirmation 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>														
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use														
Description: Code qualifying the Reference Identification																				
DLMS Note: <i>The following codes are authorized.</i>																				
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>55</td><td>Sequence Number</td></tr><tr><td colspan="2">DLMS Note:</td></tr><tr><td colspan="2"><i>Use to identify the Sort Sequence Number.</i></td></tr><tr><td>SQ</td><td>Container Sequence Number</td></tr><tr><td colspan="2">DLMS Note:</td></tr><tr><td colspan="2"><i>Use to identify the Container Sequence Number.</i></td></tr></table>							<u>Code</u>	<u>Name</u>	55	Sequence Number	DLMS Note:		<i>Use to identify the Sort Sequence Number.</i>		SQ	Container Sequence Number	DLMS Note:		<i>Use to identify the Container Sequence Number.</i>	
<u>Code</u>	<u>Name</u>																			
55	Sequence Number																			
DLMS Note:																				
<i>Use to identify the Sort Sequence Number.</i>																				
SQ	Container Sequence Number																			
DLMS Note:																				
<i>Use to identify the Container Sequence Number.</i>																				
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: 4

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.

DLMS Note:

1. Use in 2/HL/0100 transaction loops to identify the materiel.
2. For Medical use in Component Packing Confirmation loop.

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)						
DLMS Note: The following codes are authorized.						
Code Name						
A3 Locally Assigned Control Number						
DLMS Note:						
Must use with the Component Packing Conformation loop, to identify the Assemblage Identification Number (AIN).						
FS National 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)						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DLMS Note: <i>The following codes authorized.</i>						
Code Name						
OE Original Equipment Number						
DLMS Note:						
<i>Use to identify the Original Component Stock Number for medical/surgical component assembly.</i>						
LIN05	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.

DLMS Note:

- 1. Use in 2/HL/0100 transaction loops to identify the quantity being requested.
- 2. For Medical use in Component Packing Confirmation 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>										
QTY01	673	Quantity Qualifier	M	ID	2/2	Must use										
Description: Code specifying the type of quantity																
DLMS Note: <i>The following codes are authorized.</i>																
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>63</td><td>On Order Quantity</td></tr><tr><td colspan="2">DLMS Note: <i>Use to identify the number of assemblies being requested (Total Number of Assemblages).</i></td></tr><tr><td>UA</td><td>Units Completed</td></tr><tr><td colspan="2">DLMS Note: <i>Use to identify the component quantity packed. To reverse all or part of a transaction, use a minus sign in front of the quantity to be reversed.</i></td></tr></table>							<u>Code</u>	<u>Name</u>	63	On Order Quantity	DLMS Note: <i>Use to identify the number of assemblies being requested (Total Number of Assemblages).</i>		UA	Units Completed	DLMS Note: <i>Use to identify the component quantity packed. To reverse all or part of a transaction, use a minus sign in front of the quantity to be reversed.</i>	
<u>Code</u>	<u>Name</u>															
63	On Order Quantity															
DLMS Note: <i>Use to identify the number of assemblies being requested (Total Number of Assemblages).</i>																
UA	Units Completed															
DLMS Note: <i>Use to identify the component quantity packed. To reverse all or part of a transaction, use a minus sign in front of the quantity to be reversed.</i>																
QTY02	380	Quantity	X	R	1/15	Used										
Description: Numeric value of quantity																
DLMS Note: <i>1. For QTY01 Code 63, express as whole number with no decimals. A field size exceeding 5 positions may not be received or understood by the recipient's automated processing system. See introductory DLMS note 3c.</i>																
<i>2. For QTY01 Code UA, express number with up to two decimal positions. A field size exceeding 8 positions (three of which are the decimal point and two decimal positions), may not be received or understood by the recipient's automated processing system. The non-DLSS DIC C2F carried 2 decimal places in the quantity packed field (rp 25-31). See introductory DLMS note 3c.</i>																
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																

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		DLMS Note: 1. Use to identify the unit of issue for materiel requested.				
		2. For use with QTY01 code UA.				
		3. DLMS users see the Unit of Issue and Purchase Unit Conversion Table for available codes.				

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						
DLMS Note: Cite the same number as the one cited in ST02.						