DEFENSE LOGISTICS AGENCY
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SEP 0 8 1999

IN REPLY
REFER TO DLMSO

MEMORANDUM FOR: DISTRIBUTION

SUBJECT: Proposed DLMS Change 36, Advanced Shipping Information (ASI)

We are forwarding the attached proposed change to DoD 4000.25-M, Defense Logistics Management System (DLMS), and draft DLMS Implementation Guide 856 — Advanced Shipping Information (ASI), for evaluation and submission of a single coordinated Service or Agency position. This guide is based on the concepts outlined in the Uniform Code Council, Inc., VICS EDI 856 Ship Notice/Manifest Guidelines, of providing order and shipment information in one electronic transaction from the supplier to the receiver. The interface requirement between Supply and Distribution is shown to assist in your internal coordination. Omission of such a requirement does not relieve you of the responsibility to ensure full coordination of the proposal and guide within your Service or Agency.

The attached proposed change may impact multiple systems to include supply, distribution, inventory, and transportation, and will require programming to generate and to receive the ASI transactions containing load list information. This will be an agenda topic for the Supply Process Review Committee Meeting 99-3 (September 28-29, 1999). Request you review the proposed change and be prepared to share preliminary comments during the meeting. Formal responses are due not later than 60 days from the date of this memorandum. If nonconcurrence, is provided, please provide an alternate method to meet the requirement being addressed.

Addressees may direct questions to the DLMSO points of contact, Ms. Vermella Savage, DoD MILSTRIP System Administrator, 703.767.0674, DSN 427.0674, or e-mail: vermella_savage@hq.dla.mil or

Ms. Ellen Hilert, Co-Chair Supply Process Review Committee, 703.767.0676, DSN 427.0676, or e-mail: ellen_hilert@hq.dla.mil. Others please contact your Service or Agency designated representative.
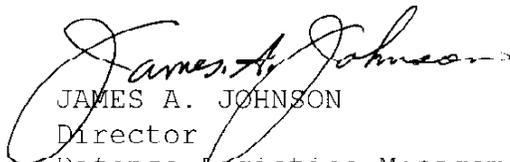
JAMES A. JOHNSON
Director
Defense Logistics Management
Standards Office

Attachment

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PROPOSED DLMS CHANGE 36
ADVANCED SHIPPING INFORMATION (ASI)

1. **ORIGINATOR**:

   a. **Service/Agency**: DLMSO/JECPO.

   b. **Originator**: Ms. Vermella Savage; DoD MILSTRIP System Administrator; 703.767.0674; DSN 427.0674; FAX 703.767.0160; or e-mail vermella_savage@hq.dla.mil.

2. **FUNCTIONAL AREA(S)**: Supply, Distribution, Inventory, and/or Transportation.

3. **REQUESTED CHANGE**:

   a. **Title**: Advanced Shipping Information (ASI).

   b. **Description of Change**: To develop an advanced shipping information transaction to automatically alert customers what they can expect to receive. This advanced information would be the depot scan of the actual load list of items taken at the loading dock after the doors are closed on the truck.

4. **REASON FOR CHANGE**: To fill the void within Logistics (between Supply and Transportation) by using depot records to provide advanced shipping information electronically identifying the actual load list of material being shipped to customers. Currently, when an order is filled, the supply system generates a shipment status transaction just providing a transportation control number on a single requisition telling the customer that their requisition has been processed. The depot pulls the order (requisition) and turns it over to transportation. At this point the documentation is paper. The transportation system can accept an electronic carrier invoice showing transportation data for the shipment. However, the customer only has the supply status information and nothing indicating what is actually coming on the truck or via other means. When the goods arrive; for example, at an Army post or consolidated containerization point, the customer either swipes the optical memory card—which is an 856 in a portable data file—or they hand-enter from paper. We need the capability to capture data at the depot when the doors are

closed on the truck and provide this information to the
customer as advance notice of what is on the way.

5. ADVANTAGES/DISADVANTAGES:

   a. Advantages: To send shipping information available in the
   distribution system directly to the customer at the speed
   of communications versus the speed of transportation. To
   eliminate the last barrier to real-time asset visibility
   and tracking. To vastly improve the efficiency of customer
   receiving.

   b. Disadvantages: None known.

6. IMPACT:

   a. Data Content/Procedures: Implementing the DLMS
   Implementation Guide 856 – Advanced Shipping Information.

   b. Publication(s): DoD 4000.25-M, Defense Logistics
   Management System Manual, Volume 2, Supply.

Attachment

856 Ship Notice/Manifest

Functional Group ID=SH

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

Notes:

1. Shipping organizations use this guide to provide Advanced Shipping Information (ASI) transaction(s) identifying the actual load list of material being shipped to customer organizations.

2. Use a single occurrence of this transaction set to transmit load list information to a single organization. To be effective, the shipping organization must transmit the ASI transaction to the customer organization after the doors are closed on the truck. The customer organization must process the ASI information before the physical shipment arrives at the receiving location. Therefore, the latest time the ASI transaction may be sent is the time of shipment--the ASI must arrive before the shipment.

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
4	010	ST	Transaction Set Header	M	1		
5	020	BSN	Beginning Segment for Ship Notice	M	1		
Not Used	040	DTM	Date/Time Reference	O	10		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			200000	
7	010	HL	Hierarchical Level	M	1		c1
Not Used	020	LIN	Item Identification	O	1		
Not Used	030	SN1	Item Detail (Shipment)	O	1		
Not Used	040	SLN	Subline Item Detail	O	1000		
Not Used	050	PRF	Purchase Order Reference	O	1		
9	060	PO4	Item Physical Details	O	1		

Not Used	070	PID	Product/Item Description	O	200
Not Used	080	MEA	Measurements	O	40
Not Used	090	PWK	Paperwork	O	25
Not Used	100	PKG	Marking, Packaging, Loading	O	25
Not Used	110	TD1	Carrier Details (Quantity and Weight)	O	20
Not Used	120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	130	TD3	Carrier Details (Equipment)	O	12
Not Used	140	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	145	TSD	Trailer Shipment Details	O	1
12	150	REF	Reference Identification	O	>1
Not Used	151	PER	Administrative Communications Contact	O	3
			LOOP ID - LH1		100
Not Used	152	LH1	Hazardous Identification Information	O	1
Not Used	153	LH2	Hazardous Classification Information	O	4
Not Used	154	LH3	Hazardous Material Shipping Name	O	12
Not Used	155	LFH	Freeform Hazardous Material Information	O	20
Not Used	156	LEP	EPA Required Data	O	>1
Not Used	157	LH4	Canadian Dangerous Requirements	O	1
Not Used	158	LHT	Transborder Hazardous Requirements	O	3
Not Used	159	LHR	Hazardous Material Identifying Reference Numbers	O	10
Not Used	160	PER	Administrative Communications Contact	O	5
Not Used	161	LHE	Empty Equipment Hazardous Material Information	O	1
			LOOP ID - CLD		200
Not Used	170	CLD	Load Detail	O	1
Not Used	180	REF	Reference Identification	O	200
Not Used	185	DTP	Date or Time or Period	O	1
Not Used	190	MAN	Marks and Numbers	O	>1
14	200	DTM	Date/Time Reference	O	10
Not Used	210	FOB	F.O.B. Related Instructions	O	1
Not Used	215	PAL	Pallet Information	O	1
			LOOP ID - N1		200
15	220	N1	Name	O	1
Not Used	230	N2	Additional Name Information	O	2
17	240	N3	Address Information	O	2
18	250	N4	Geographic Location	O	1
Not Used	260	REF	Reference Identification	O	12
Not Used	270	PER	Administrative Communications Contact	O	3
Not Used	280	FOB	F.O.B. Related Instructions	O	1
Not Used	290	SDQ	Destination Quantity	O	50
Not Used	300	ETD	Excess Transportation Detail	O	1
Not Used	310	CUR	Currency	O	1
			LOOP ID - SAC		>1
Not Used	320	SAC	Service, Promotion, Allowance, or Charge Information	O	1

Not Used	325	CUR	Currency	O	1		
Not Used	330	GF	Furnished Goods and Services	O	1		
Not Used	335	YNQ	Yes/No Question	O	10		
			LOOP ID - LM			10	
Not Used	340	LM	Code Source Information	O	1		
Not Used	350	LQ	Industry Code	M	100		
			LOOP ID - V1			>1	
Not Used	360	V1	Vessel Identification	O	1		
Not Used	370	R4	Port or Terminal	O	>1		
Not Used	380	DTM	Date/Time Reference	O	>1		

Summary:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
19	010	CTT	Transaction Totals	O	1		n1
20	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

Transaction Set Comments

1. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

Segment:	**ST** Transaction Set Header			
Position:	010			
Loop:				
Level:	Heading			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To indicate the start of a transaction set and to assign a control number			
Syntax Notes:				
Semantic Notes:	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).		
Comments:				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	ST01	143	**Transaction Set Identifier Code**	M ID 3/3
			Code uniquely identifying a Transaction Set	
			856 Ship Notice/Manifest	
Must Use	ST02	329	**Transaction Set Control Number**	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			A unique number assigned by the originator of the transaction set, or the originator's application program.	

Segment:	**BSN** Beginning Segment for Ship Notice	
Position:	020	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To transmit identifying numbers, dates, and other basic data relating to the transaction set	
Syntax Notes:	**1**	If BSN07 is present, then BSN06 is required.
Semantic Notes:	**1**	BSN03 is the date the shipment transaction set is created.
	2	BSN04 is the time the shipment transaction set is created.
	3	BSN06 is limited to shipment related codes.
Comments:	**1**	BSN06 and BSN07 differentiate the functionality of use for the transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	BSN01	353	**Transaction Set Purpose Code**	M ID 2/2
			Code identifying purpose of transaction set	
			00 Original	
Must Use	BSN02	396	**Shipment Identification**	M AN 2/30
			A unique control number assigned by the original shipper to identify a specific shipment	
			Use to indicate the overall shipment identification number.	
Must Use	BSN03	373	**Date**	M DT 8/8
			Date expressed as CCYYMMDD	
			This date corresponds to the Universal Time Coordinate (UTC).	
Must Use	BSN04	337	**Time**	M TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
			1. Express the originating activity's time in UTC.	
			2. Express time in a four-position (HHMM) format.	
Not Used	BSN05	1005	**Hierarchical Structure Code**	O ID 4/4
			Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set	
	BSN06	640	**Transaction Type Code**	X ID 2/2
			Code specifying the type of transaction	
			60 Material In Transit	
			Use to indicate this transaction set contains	

advanced shipping information.

Not Used   **BSN07**   **641**   **Status Reason Code**   O   ID 3/3

Code indicating the status reason

Segment:	**HL** Hierarchical Level
Position:	010
Loop:	HL Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:	
Semantic Notes:	

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. The HL segment defines a top-down/left-right ordered structure.
	2	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.
	3	HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
	4	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.
	5	HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.
Notes:		*The transaction set hierarchical data structure is address information, followed by item.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	HL01	628	**Hierarchical ID Number**	M AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
			In the first 2/HL/010 loop iteration, cite numeric 1. In each subsequent loop iteration increase by 1.	
Not Used	HL02	734	**Hierarchical Parent ID Number**	O AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
Must Use	HL03	735	**Hierarchical Level Code**	M ID 1/2
			Code defining the characteristic of a level in a hierarchical structure	
			I Item	
			Use to indicate the hierarchical level is Item.	

			V	Address Information

Use to indicate the hierarchical level is Address Information.

Not Used	HL04	736	Hierarchical Child Code	O ID 1/1

Code indicating if there are hierarchical child data segments subordinate to the level being described

—

	Segment:	**PO4** Item Physical Details
	Position:	060
	Loop:	HL Mandatory
	Level:	Detail
	Usage:	Optional
	Max Use:	1
	Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item

Syntax Notes:

1. If either PO402 or PO403 is present, then the other is required.
2. If PO405 is present, then PO406 is required.
3. If either PO406 or PO407 is present, then the other is required.
4. If either PO408 or PO409 is present, then the other is required.
5. If PO410 is present, then PO413 is required.
6. If PO411 is present, then PO413 is required.
7. If PO412 is present, then PO413 is required.
8. If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
9. If PO417 is present, then PO416 is required.
10. If PO418 is present, then PO404 is required.

Semantic Notes:

1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

Comments:

1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12 -Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

Notes: *Must use in 2/HL/010 item loops to identify the material being shipped.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**PO401**	**356**	**Pack**	**O**	**N0 1/6**
			The number of inner containers, or number of eaches if there are no inner containers, per outer container		
			Use to indicate the number of packages for articles described in PO416. Express as a whole number with no decimals.		
Not Used	**PO402**	**357**	**Size**	**X**	**R 1/8**
			Size of supplier units in pack		
Not Used	**PO403**	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		

Refer to 004010 Data Element Dictionary for acceptable code values.

Must Use	PO404	103	**Packaging Code**	X	AN 3/5

Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

PKG	Package
71	Not Otherwise Specified

Use code "71" to satisfy X12 syntax requirements.

Not Used	PO405	187	**Weight Qualifier**	O	ID 1/2

Code defining the type of weight

Must Use	PO406	384	**Gross Weight per Pack**	X	R 1/9

Numeric value of gross weight per pack

Use to indicate weight in pounds only.

Not Used	PO407	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	PO408	385	**Gross Volume per Pack**	X	R 1/9

Numeric value of gross volume per pack

Not Used	PO409	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	PO410	82	**Length**	X	R 1/8

Largest horizontal dimension of an object measured when the object is in the upright position

Not Used	PO411	189	**Width**	X	R 1/8

Shorter measurement of the two horizontal dimensions measured with the object in the upright position

Not Used	PO412	65	**Height**	X	R 1/8

Vertical dimension of an object measured when the object is in the upright position

Not Used	PO413	355	**Unit or Basis for Measurement Code**	X	ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Not Used	PO414	810	**Inner Pack**	O	N0 1/6

The number of eaches per inner container

Not Used	PO415	752	**Surface/Layer/Position Code**	O	ID 2/2

Code indicating the product surface, layer or position that is being described

Must Use	PO416	350	**Assigned Identification**	X	AN 1/20

Alphanumeric characters assigned for differentiation within a transaction set

Use to provide description of articles. (Use carrier's classification or

			tariff description if possible; otherwise, use a clear non-technical description.)		
	PO417	**350**	**Assigned Identification**	**O**	**AN 1/20**
			Alphanumeric characters assigned for differentiation within a transaction set		
			Use to indicate kind of package(s). In addition, use to indicate the hazardous material classification, if applicable.		
Not Used	**PO418**	**1470**	**Number**	**O**	**N0 1/9**
			A generic number		

	Segment:	**REF** Reference Identification
	Position:	150
	Loop:	HL Mandatory
	Level:	Detail
	Usage:	Optional
	Max Use:	>1
	Purpose:	To specify identifying information
	Syntax Notes:	1 At least one of REF02 or REF03 is required.
		2 If either C04003 or C04004 is present, then the other is required.
		3 If either C04005 or C04006 is present, then the other is required.
	Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
	Comments:	
	Notes:	*Must use in 2/HL/010 item loops to identify the material being shipped.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
		TG	Transportation Control Number (TCN)		
			Must use in every 2/HL/010 item loop to identify the shipment unit TCN.		
		TN	Transaction Reference Number		
			Must use in every 2/HL/010 item loop to identify the customer assigned transaction number associated with the shipment unit.		
	REF02	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	REF03	**352**	**Description**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
	REF04	**C040**	**Reference Identifier**	**O**	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
Must Use	**C04001**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Must Use	**C04002**	**127**	**Reference Identification**	**M**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	C04003	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**
			Code qualifying the Reference Identification		

Refer to 004010 Data Element Dictionary for acceptable code values.

| **C04004** | **127** | **Reference Identification** | **X** | **AN 1/30** |

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

| **C04005** | **128** | **Reference Identification Qualifier** | **X** | **ID 2/3** |

Code qualifying the Reference Identification

Refer to 004010 Data Element Dictionary for acceptable code values.

| **C04006** | **127** | **Reference Identification** | **X** | **AN 1/30** |

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

Segment:	**DTM** Date/Time Reference		
Position:	200		
Loop:	HL Mandatory		
Level:	Detail		
Usage:	Optional		
Max Use:	10		
Purpose:	To specify pertinent dates and times		
Syntax Notes:	1	At least one of DTM02 DTM03 or DTM05 is required.	
	2	If DTM04 is present, then DTM03 is required.	
	3	If either DTM05 or DTM06 is present, then the other is required.	
Semantic Notes:			
Comments:			
Notes:	*Use only in 2/HL/010 item loops to identify the date(s) associated with the advanced shipping information.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	DTM01	374	**Date/Time Qualifier**	**M ID 3/3**

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

011   Shipped

Use to indicate the date released to carrier.

	DTM02	373	**Date**	**X DT 8/8**

Date expressed as CCYYMMDD

Not Used	DTM03	337	**Time**	**X TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Not Used	DTM04	623	**Time Code**	**O ID 2/2**

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Not Used	DTM05	1250	**Date Time Period Format Qualifier**	**X ID 2/3**

Code indicating the date format, time format, or date and time format

Not Used	DTM06	1251	**Date Time Period**	**X AN 1/35**

Expression of a date, a time, or range of dates, times or dates and times

Segment:	**N1** **Name**		
Position:	220		
Loop:	N1 Optional		
Level:	Detail		
Usage:	Optional		
Max Use:	1		
Purpose:	To identify a party by type of organization, name, and code		
Syntax Notes:	1 At least one of N102 or N103 is required.		
	2 If either N103 or N104 is present, then the other is required.		
Semantic Notes:			
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.		
Notes:	*Must use the 2/N1/220 loop in every Address Information loop to identify the organization originating the transaction set, the organization receiving the transaction set, the carrier, or an additional organization designated to receive advanced shipping information.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	**Entity Identifier Code**	**M ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual	
			CA Carrier	
			SF Ship From	
			Use to identify the shipping organization.	
			SM Party to Receive Shipping Manifest	
			Use to identify the organization to receive advanced shipping information if other than receiving organization.	
			ST Ship To	
			Use to identify the receiving organization.	
Not Used	N102	93	**Name**	**X AN 1/60**
			Free-form name	
	N103	66	**Identification Code Qualifier**	**X ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)	
			1 D-U-N-S Number, Dun & Bradstreet	
			2 Standard Carrier Alpha Code (SCAC)	
			Use to identify commercial carrier.	
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	

		10	Department of Defense Activity Address Code (DODAAC)		
		M4	Department of Defense Routing Identifier Code (RIC)		
	N104	**67**	**Identification Code**	**X**	**AN 2/80**
			Code identifying a party or other code		
Not Used	**N105**	**706**	**Entity Relationship Code**	**O**	**ID 2/2**
			Code describing entity relationship		
Not Used	**N106**	**98**	**Entity Identifier Code**	**O**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		

	Segment:	**N3** Address Information
	Position:	240
	Loop:	N1 Optional
	Level:	Detail
	Usage:	Optional
	Max Use:	2
	Purpose:	To specify the location of the named party
	Syntax Notes:	
	Semantic Notes:	
	Comments:	
	Notes:	*Use to provide street address, if required.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N301	166	**Address Information**	M AN 1/55
			Address information	
	N302	166	**Address Information**	O AN 1/55
			Address information	

Segment:	**N4** Geographic Location	
Position:	250	
Loop:	N1 Optional	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify the geographic place of the named party	
Syntax Notes:	1 If N406 is present, then N405 is required.	
Semantic Notes:		
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.	
	2 N402 is required only if city name (N401) is in the U.S. or Canada.	
Notes:	*Use to provide city, state, and ZIP code, if required.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	N401	**19**	**City Name**	**O**	**AN 2/30**
			Free-form text for city name		
	N402	**156**	**State or Province Code**	**O**	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency		
	N403	**116**	**Postal Code**	**O**	**ID 3/15**
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
Not Used	**N404**	**26**	**Country Code**	**O**	**ID 2/3**
			Code identifying the country		
Not Used	**N405**	**309**	**Location Qualifier**	**X**	**ID 1/2**
			Code identifying type of location		
Not Used	**N406**	**310**	**Location Identifier**	**O**	**AN 1/30**
			Code which identifies a specific location		

Segment:	**CTT** Transaction Totals
Position:	010
Loop:	
Level:	Summary
Usage:	Optional
Max Use:	1
Purpose:	To transmit a hash total for a specific element in the transaction set
Syntax Notes:	1 If either CTT03 or CTT04 is present, then the other is required.
	2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment is intended to provide hash totals to validate transaction completeness and correctness.
Notes:	*Use to indicate the number of HL segments in this transaction set.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	CTT01	354	**Number of Line Items**	M	N0 1/6
			Total number of line items in the transaction set		
Not Used	CTT02	347	**Hash Total**	O	R 1/10
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. --------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.		
Not Used	CTT03	81	**Weight**	X	R 1/10
			Numeric value of weight		
Not Used	CTT04	355	**Unit or Basis for Measurement Code**	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	CTT05	183	**Volume**	X	R 1/8
			Value of volumetric measure		
Not Used	CTT06	355	**Unit or Basis for Measurement Code**	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	CTT07	352	**Description**	O	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment:	**SE** **Transaction Set Trailer**	
Position:	020	
Loop:		
Level:	Summary	
Usage:	Mandatory	
Max Use:	1	
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)	
Syntax Notes:		
Semantic Notes:		
Comments:	**1** SE is the last segment of each transaction set.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SE01	96	**Number of Included Segments**	**M N0 1/10**
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	**Transaction Set Control Number**	**M AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			Cite the same number as the one cited in ST02	