

# **Lacks Enterprises**

## **856 - ASN Advance Ship Notice**

**ANSI X12**  
**Version 004010**



**856 ASN Advance Ship Notice – ANSI X12 Version 004010**

**Transaction Layout:**

**Heading:**

Req	Seg ID	Name	Req Des	Max Use	Loop Repeat
Required	<b>ST</b>	Transaction Set Header	M	1	
Required	<b>BSN</b>	Beginning Segment for Ship Notice	M	1	
Required	<b>DTM</b>	Date/Time Release	O	10	

**Detail:**

Req	Seg ID	Name	Req Des	Max Use	Loop Repeat
		LOOP ID HL			200000
Required	<b>HL</b>	Hierarchical Level	M	1	
Required	<b>MEA</b>	Measurements	O	40	
Required	<b>TD1</b>	Carrier Details (Quantity & Weights)	O	20	
Required	<b>TD5</b>	Carrier Details (Routing Sequence/Transit Time)	O	12	
Required	<b>TD3</b>	Carrier Details (Equipment)	O	12	
Required	<b>REF</b>	Reference Identification	O	>1	
		Name	O	1	
		LOOP ID N1			200
Required	<b>N1</b>	Name	O	1	
		LOOP ID HL			200000
Required	<b>HL</b>	Hierarchical Level	M	1	
Required	<b>LIN</b>	Item Identification	O	1	
Required	<b>SN1</b>	Item Detail (Shipment)	O	1	
		LOOP ID CLD			200
Required	<b>CLD</b>	Load Detail	O	1	
Required	<b>REF</b>	Reference Identification	O	200	

**Summary:**

Req	Pos No	Seg ID	Name	Req Des	Max Use	Loop Repeat	Notes and Examples
Required		CTT	Transaction Totals	M	1		
Required		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

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

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

**Semantic Notes:** The transaction set identifier (ST01) is used by the translation routines of the Interchange partners to select the appropriate transaction set.

**Examples:** ST\*856\*30001~

**Data Element Summary**

Req	Ref Des	Data Element	Name	Attributes
Required	ST01	143	<b>Transaction Set Identifier Code</b>	<b>M ID 3/3</b>
			Code uniquely identifying a Transaction Set	
			856 X12 Ship Notice/Manifest	
Required	ST02	329	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

**Segment:** **BSN** Beginning Segment for Ship Notice

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To transmit identifying numbers, dates, and other basic data relating to the transaction set

**Semantic Notes:** 1 BSN03 is the date the shipment transaction set is created.  
2 BSN04 is the time the shipment transaction set is created.

**Examples:** BSN\*00\*12345678\*20070226\*1410~

**Date Element Summary**

Req	Ref Des	Element	Name	Attributes
Required	BSN01	353	<b>Transaction Set Purpose Code</b>	M ID 2/2
			Code identifying purpose of transaction set	
Required	BSN02	396	<b>Shipment Identification</b>	M AN 2/30
			A unique control number assigned by the original shipper to identify a specific shipment	
			<i>ASN Number – unique supplier assigned number that is not repeated within a one year period. Lacks recommends using the packing slip number.</i>	
Required	BSN03	373	<b>Date</b>	M DT 8/8
			Date expressed as CCYYMMDD	
			<i>Date ASN created</i>	
Required	BSN04	337	<b>Time</b>	M TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM	
			<i>Time ASN created</i>	

Segment: **DTM** Date/Time Reference

Loop:

Level: Heading

Usage: Optional

Max Use: 10

Purpose: To specify pertinent dates and times

Semantic Notes: If DTM04 is present, then DTM03 is required.

Examples: DTM\*011\*20070226\*1410\*ET~

Data Element Summary

Req	Ref Des	Dat Element	Name	Attributes
Required	DTM01	374	<b>Date/Time Qualifier</b>	<b>M ID 3/3</b>
			Code specifying type of date or time, or both date and time	
			011 Shipped	
Required	DTM02	373	<b>Date</b>	<b>C DT 8/8</b>
			Date expressed as CCYYMMDD	
			<i>The local shipment time</i>	
Required	DTM03	337	<b>Time</b>	<b>C TM 4/8</b>
			Time expressed in a 24-hour clock time as follows: HHMM	
			<i>The local shipment time</i>	
Optional	DTM04	623	<b>Time Code</b>	<b>O ID 2/2</b>
			Code identifying the time Use an appropriate code.	
			Some typical codes from ASC X12 Data Element Dictionary are:	
			CD Central Daylight Time	
			CS Central Standard Time	
			CT Central Time	
			ED Eastern Daylight Time	
			ES Eastern Standard Time	
			ET Eastern Time	
			GM Greenwich Mean Time	
			MD Mountain Daylight Time	
			MS Mountain Standard Time	
			MT Mountain Time	
			PD Pacific Daylight Time	
			PS Pacific Standard Time	
			PT Pacific Time	

**Segment:** **HL** Hierarchical Level

**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

- Semantic Notes:**
- 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.

**Examples:** HL\*1\*\*S~

**Data Element Summary**

Req	Ref Des	Data Element	Name	Attributes
Required	HL01	628	<b>Hierarchical ID Number</b>	M AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
			"1" in the initial HL segment, incrementing by 1 each subsequent HL segment within the transaction.	
	HL02	734	<b>Hierarchical Parent ID Number</b>	O AN 1/12
			Identification number of the next higher hierarchical data segment that the data Segment being described is subordinate to	
			<i>Required except for Shipment level</i>	
Required	HL03	735	<b>Hierarchical Level Code</b>	M ID 1/2
			Code defining the characteristic of a level in a hierarchical structure	
			S Shipment	

**Segment:** **MEA** Measurements

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 40

**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights

**Semantic Notes:** MEA04 defines the unit of measure for MEA03.

**Examples:** MEA\*PD\*G\*15000\*LB~

MEA\*PD\*N\*14000\*LB~

**Data Element Summary**

Req	Ref Des	Data Element	Name	Attributes
Required	MEA01	737	<b>Measurement Reference ID Code</b>	O ID 2/2
			Code identifying the broad category to which a measurement applies	
			PD Physical Dimensions	
Required	MEA02	738	<b>Measurement Qualifier</b>	O ID 1/3
			Code identifying a specific product or process characteristic to which a measurement applies	
			G Gross Weight	
			N Actual Net Weight	
Required	MEA03	739	<b>Measurement Value</b>	C R 1/20
			The value of the measurement	
	MEA04	355	<b>Unit or Basic for Measurement Code</b>	M ID 2/2
			Code specifying the units in which a value is being expressed or manner in which a measurement has been taken	
			LB Pound	

**Segment: TD1 Carrier Details (Quantity and Weight)**

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 20

**Purpose:** To specify the transportation details relative to commodity, weight, and quantity

**Semantic Notes:** IF TD101 is present, then TD102 is required.

**Examples:** TD1\*CTN25\*12~

**Notes:** *Required Lacks at the Shipment level to indicate the total number of higher level packages (pallets, skids, etc.) on the shipment.*

**Data Element Summary**

Req	Ref Des	Data Element	Name	Attributes
Required	TD101	103	<b>Packaging Code</b>	<b>O AN 3/5</b>
			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	
			Use these specified codes:	
			CTN25 Carton	
			PLT90 Pallet	
Required	TD102	80	<b>Lading Quantity</b>	<b>C N0 1/7</b>
			Number of units (pieces) of the lading commodity	



**Segment: TD5 Carrier Details (Routing Sequence/Transit Time)**

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 12

**Purpose:** To specify the carrier and sequence of routing and provide transit time information

**Semantic Notes:** 1 If TD502 is present, then TD503 is required.

2 If TD507 is present, then TD508 is required.

**Examples:** TD5\*B\*2\*ZIXP\*LT~

**Data Element Summary**

Req	Ref Des	Data Element	Name	Attributes
Required	TD501	133	<b>Routing Sequence Code</b>	O ID 1/2
			Code describing the relationship of a carrier to a specific shipment movement	
			B Origin/Delivery Carrier (Any Mode)	
Required	TD502	66	<b>Identification Code Qualifier</b>	C ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			2 Standard Carrier Alpha Code (SCAC)	
Required	TD503	67	<b>Identification Code</b>	C AN 2/80
			Code identifying a party or other code	
			<i>Valid, mutually agreed SCAC code</i>	
Required	TD504	91	<b>Transportation Method/Type Code</b>	C ID 1/2
			Code specifying the method or type of transportation for the shipment. Some typical codes from ASC X12 Data Element Dictionary are:	
			A Air	
			AE Air Express	
			D Parcel Post	
			E Expedited Truck	
			LT Less Than Trailer Load (LTL)	
			M Motor (Common Carrier)	
			O Containerized Ocean	
			R Rail	
	TD505	387	<b>Routing</b>	C AN 1/35
			Free-form description of the routing or requested routing for shipment, or the Originating carrier's identity	
			<i>Carrier Text Name</i>	
	TD507	309	<b>Location Qualifier</b>	O ID 1/2
			Code identifying type of location	
			OR Origin (Shipping Point)	
			PE Port of Entry (Port where customs is declared)	
			PP Pool Point	
	TD508	310	<b>Location Identifier</b>	X AN 1/30
			Code which identifies a specific location	
			<i>If TD507 = "PP" use pool point shown on Supplier Routing Instructions.</i>	
			<i>If TD507 = "OR" use originating airport code from airbill</i>	

**Segment: TD3 Carrier Details (Equipment)**

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 12

**Purpose:** To specify transportation details relating to the equipment used by the carrier

**Semantic Notes:** If TD302 is present, then TD303 is required.

**Examples:** TD3\*TL\*\*211~

**Data Element Summary**

Req	Ref Des	Data Element	Name	Attributes
Required	TD301	40	<b>Equipment Description Code</b>	C ID 2/2
			Code identifying type of equipment used for shipment	
			<i>Use any valid code from the ANSI X12 v4010 dictionary</i>	
			Example TL Trailer	
	TD302	206	<b>Equipment Initial</b>	O AN 1/4
			Prefix or alphabetic part of an equipment unit's identifying number	
			<i>Use alpha portion of the Equipment ID</i>	
Required	TD303	207	<b>Equipment Number</b>	C AN 1/10
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
			<i>Trailer number, Flight number, or Railcar number</i>	

**Segment:** **REF** Reference Identification

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To Specify identifying information

**Examples:** REF\*PK\*07042404~

REF\*BM\*07042404~

**Notes:** At least one REF segment with a "PK" qualifier (Packing Slip Number) is required at this level.

**Data Element Summary**

Req	Ref Des	Data Element	Name	Attributes
Required	REF01	128	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			Code qualifying the Reference Identification. Use an appropriate code. Some typical codes from ASC X12 Data Element Dictionary are:	
			AW Air Waybill Number	
			BM Bill of Lading Number	
			CN Carrier's Reference Number (PRO/Invoice)	
			FR Freight Bill Number	
			MB Master Bill of Lading	
			PK Packing List Number	
			SI Shippers Identifying Number for Shipment (SID)	
Required	REF02	127	<b>Reference Identification</b>	<b>C AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

**Segment:** **N1** Name

**Loop:** N1 Optional

**Level:** Detail

**Usage:** Mandatory

**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:** 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.

**Examples:** N1\*ST\*\*92\*0999~  
N1\*Sf\*\*92\*123456~  
N1\*SU\*\*92\*123456~

#### Data Element Summary

Req	Ref Des	Data Element	Name	Attributes
Required	N101	98	<b>Entity Identifier Code</b>	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			SF Ship From	
			ST Ship To	
			SU Supplier/Manufacturer shipment	
	N102	93	<b>Name</b>	C AN 1/60
			Free-form name	
Required	N103	66	<b>Identification Code Qualifier</b>	C ID 1/2
			Code designating the system/method of code structure used for identification	
			92 Assigned by Buyer or Buyer's Agent	
Required	N104	67	<b>Identification Code</b>	C AN 2/80
			This should contain the same value that is found in the N104 element of the 830 to the supplier.	

**Segment:** **HL** Hierarchical Level

**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

- Semantic Notes:**
- 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.

**Examples:** **HL\*2\*1\*O**

#### Data Element Summary

Req	Ref Des	Data Element	Name	Attributes
Required	HL01	628	<b>Hierarchical ID Number</b>	M AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
			<i>"1" in the initial HL segment, incrementing by 1 each subsequent HL segment within the transaction</i>	
Required	HL02	734	<b>Hierarchical Parent ID Number</b>	O AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
Required	HL03	735	<b>Hierarchical Level Code</b>	M ID 1/2
			Code defining the characteristic of a level in a hierarchical structure	
			O Order/Item	

**Segment:** **LIN** Item Identification

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify basic item identification data

**Syntax Notes:** 1 If either LIN04 or LIN05 is present, then the other is required

**Examples:** LIN\*\*BP\*8765432-1234\*PO\*405503~

**Data Element Summary**

Req	Ref Des	Data Element	Name	Attributes
Required	LIN02	235	<b>Product/Service ID Qualifier</b>	<b>M ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			BP Buyer's Part Number	
Required	LIN03	234	<b>Product/Service ID</b>	<b>M AN 1/48</b>
			Identifying number for a product or service	
			<i>Lacks part number</i>	
Required	LIN04	235	<b>Product/Service ID Qualifier</b>	<b>C ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			PO Purchase Order Number	
Required	LIN05	234	<b>Product/Service ID</b>	<b>M AN 1/48</b>
			Identifying number for a product or service	
			<i>Use PO Number provided in the releasing document (e.g. 830)</i>	

**Segment:** **SN1** Item Detail (Shipment)

**Position:** 030

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify line-item detail relative to shipment

**Examples:** SN1\*\*1758\*PC\*86223~

**Data Element Summary**

Req	Ref Des	Data Element	Name	Attributes
Required	SN102	382	<b>Number of Units Shipped</b>	<b>M R 1/10</b>
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
			<i>Number of parts (quantity shipped) for the Buyer's Part indicated in the LIN segment</i>	
Required	SN103	355	<b>Unit or Basis for Measurement Code</b>	<b>M ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>Refer to the part unit of measure on your Supplier Release</i>	
			<i>Please send the same UOM code in the SN103 segment that is being sent in the UIT01 value of the 830 for the specific part#. If different, your ASN will fail.</i>	
	SN104	646	<b>Shipped to Date</b>	<b>O R 1/15</b>
			Number of units shipped to date	
			<i>YTD cumulative for current model year, including this shipment.</i>	

**Segment:** **HL** Hierarchical Level

**Loop:** HL Optional

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments

- Semantic Notes:**
- 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.

**Examples:** HL\*2\*1\*T

**Data Element Summary**

Req	Ref Des	Data Element	Name	Attributes
Required	HL01	628	<b>Hierarchical ID Number</b>	M AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
			<i>"1" in the initial HL segment, incrementing by 1 each subsequent HL segment within the transaction</i>	
Required	HL02	734	<b>Hierarchical Parent ID Number</b>	O AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
Required	HL03	735	<b>Hierarchical Level Code</b>	M ID 1/2
			Code defining the characteristic of a level in a hierarchical structure	
			T Tare (Master)	



**Segment:** **CLD** Load Detail

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the number of material loads shipped

**Examples:** CLD\*6\*293\*CTN25~

**Data Element Summary**

Req	Ref Des	Data Element	Name	Attributes
Required	CLD01	622	<b>Number of Loads</b>	<b>M N0 1/5</b>
			Number of customer-defined loads shipped by the supplier	
			<i>Number of Containers</i>	
Required	CLD02	382	<b>Number of Units Shipped</b>	<b>M R 1/10</b>
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set. Total number of units in container	
Required	CLD03	103	<b>Packaging Code</b>	<b>O AN 3/5</b>
			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. Select from one of the following codes:	
			CTN25 Carton	
			PLT90 Pallet	

**Segment:** **REF** Reference Identification

**Loop:** CLD Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 200

**Purpose:** To specify identifying information

**Examples:** REF\*LS\*1234560001~

**Data Element Summary**

Req	Ref Des	Data Element	Name	Attributes
Required	REF01	128	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			Code qualifying the Reference Identification	
			LS <i>Bar-Coded Serial Number</i>	
			<i>Serial number (per Lacks label spec) is the Lacks supplier number (N1,SF,03) plus incrementing serial number no more than 8 digits. the entire length should not exceed 14 characters.</i>	
Required	REF02	127	<b>Reference Identification</b>	<b>C AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

**Segment:** **HL** Hierarchical Level

**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

**Semantic** 1 The HL segment is used to identify levels of detail information using a hierarchical

**Notes:** 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.

**Examples:** HL\*2\*1\*1

#### Data Element Summary

Req	Ref Des	Data Element	Name	Attributes
Required	HL01	628	<b>Hierarchical ID Number</b>	M AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
			"1" in the initial HL segment, incrementing by 1 each subsequent HL segment within the transaction	
Required	HL02	734	<b>Hierarchical Parent ID Number</b>	O AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
Required	HL03	735	<b>Hierarchical Level Code</b>	M ID 1/2
			Code defining the characteristic of a level in a hierarchical structure	
			I Item	

**Segment:** **CLD** Load Detail

**Loop:** HL Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the number of material loads shipped

**Example:** CLD\*6\*293\*CTN25~

**Data Element Summary**

Req	Ref Des	Data Element	Name	Attributes
Required	CLD01	622	<b>Number of Loads</b>	<b>M N0 1/5</b>
			Number of customer-defined loads shipped by the supplier	
			<i>Number of Containers</i>	
Required	CLD02	382	<b>Number of Units Shipped</b>	<b>M R 1/10</b>
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set. Total number of units in container	
Required	CLD03	103	<b>Packaging Code</b>	<b>O AN 3/5</b>
			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. Select from one of the following codes:	
			CTN25 Carton	
			PLT90 Pallet	

**Segment:** **REF** Reference Identification  
**Loop:** CLD Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 200  
**Purpose:** To specify identifying information

**Examples:** REF\*LS\*1234560001~

**Data Element Summary**

Req	Ref Des	Data Element	Name	Attributes
Required	REF01	128	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
			Code qualifying the Reference Identification	
			LS <i>Bar-Coded Serial Number</i>	
			<i>Serial number (per Lacks label spec) is the Lacks supplier number (N1,SF,03) plus incrementing serial number no more than 8 digits. The entire length should not exceed 14 characters.</i>	
Required	REF02	127	<b>Reference Identification</b>	<b>C AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

**Segment:** **CTT** Transaction Totals

**Position:**

**Loop:**

**Level:** Summary

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To transmit a hash total for a specific element in the transaction set

**Semantic:** This segment is intended to provide hash totals to validate transaction completeness

**Notes:** and correctness.

**Examples:** CTT\*2\*500~

**Data Element Summary**

Req	Ref Des	Data Element	Name	Attributes
Required	CTT01	354	<b>Number of Line Items</b>	<b>M NO 1/6</b>
			Total number of line items in the transaction set	
			<i>Total number of HL loops with LIN segment in transaction</i>	

**Segment:** **SE** Transaction Set Trailer

**Position:**

**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
SE01	96	<b>Number of Included Segments</b>	<b>M NO 1/10</b>
		Total number of segments included in a transaction set including ST and SE segments	
SE02	329	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

**856 (ASN) Advance Ship Notice v4010 Lacks 856 Example:**

ISA\*00\*\*00\*\*ZZ\*SUPPLIER\*ZZ\*618232144-S\*072020\*1542\*U\*00400\*000000004\*0\*P\*~  
GS\*SH\*SUPPLIER\*618232144-S\*2020720\*1542\*4\*X\*4010  
ST\*856\*0001  
BSN\*00\*1234567\*20200720\*2040  
DTM\*011\*20200720\*1540\*ED  
HL\*1\*\*S  
MEA\*PD\*G\*410\*LB  
MEA\*PD\*N\*250\*LB  
TD1\*CTN25\*80  
TD1\*PLT90\*4  
REF\*PK\*1234567  
N1\*SF\*ABC CORPORATION\*92\*123456  
N1\*SU\*ABC CORPORATION\*92\*123456  
N1\*ST\*LACKS TRIM SYSTEMS - Kraft Assembly\*92\*1020  
HL\*2\*1\*O  
LIN\*\*BP\*NI1040498\*PO\*SS2044  
SN1\*\*1000\*EA\*105252  
HL\*3\*2\*T  
CLD\*1\*500\*PLT90  
REF\*LS\*123456141  
HL\*4\*3\*I  
CLD\*20\*25\*CTN25  
REF\*LS\*123456101  
REF\*LS\*123456102  
REF\*LS\*123456103  
REF\*LS\*123456104  
REF\*LS\*123456105  
REF\*LS\*123456106  
REF\*LS\*123456107  
REF\*LS\*123456108  
REF\*LS\*123456109  
REF\*LS\*123456110  
REF\*LS\*123456111  
REF\*LS\*123456112  
REF\*LS\*123456113  
REF\*LS\*123456114  
REF\*LS\*123456115  
REF\*LS\*123456116  
REF\*LS\*123456117  
REF\*LS\*123456118  
REF\*LS\*123456119  
REF\*LS\*123456120  
HL\*5\*2\*T  
CLD\*1\*500\*PLT90  
REF\*LS\*1234560142  
HL\*6\*5\*I  
CLD\*20\*25\*CTN25  
REF\*LS\*123456121  
REF\*LS\*123456122  
REF\*LS\*123456123  
REF\*LS\*123456124  
REF\*LS\*123456125  
REF\*LS\*123456126  
REF\*LS\*123456127  
REF\*LS\*123456128  
REF\*LS\*123456129  
REF\*LS\*123456130  
REF\*LS\*123456131  
REF\*LS\*123456132  
REF\*LS\*123456133  
REF\*LS\*123456134



REF\*LS\*123456135  
REF\*LS\*123456136  
REF\*LS\*123456137  
REF\*LS\*123456138  
REF\*LS\*123456139  
REF\*LS\*123456140  
HL\*7\*1\*O  
LIN\*\*BP\*93735-ZH40A\*PO\*SS2044\*  
SN1\*\*1000\*EA  
HL\*8\*7\*T  
CLD\*1\*500\*PLT90  
REF\*LS\*123456183  
HL\*9\*8\*I  
CLD\*20\*25\*CTN25  
REF\*LS\*123456143  
REF\*LS\*123456144  
REF\*LS\*123456145  
REF\*LS\*123456146  
REF\*LS\*123456147  
REF\*LS\*123456148  
REF\*LS\*123456149  
REF\*LS\*123456150  
REF\*LS\*123456151  
REF\*LS\*123456152  
REF\*LS\*123456153  
REF\*LS\*123456154  
REF\*LS\*123456155  
REF\*LS\*123456156  
REF\*LS\*123456157  
REF\*LS\*123456158  
REF\*LS\*123456159  
REF\*LS\*123456160  
REF\*LS\*123456161  
REF\*LS\*123456162  
HL\*10\*7\*T  
CLD\*1\*500\*PLT90  
REF\*LS\*123456184  
HL\*11\*10\*I  
CLD\*20\*25\*CTN25  
REF\*LS\*123456163  
REF\*LS\*123456164  
REF\*LS\*123456165  
REF\*LS\*123456166  
REF\*LS\*123456167  
REF\*LS\*123456168  
REF\*LS\*123456169  
REF\*LS\*123456170  
REF\*LS\*123456171  
REF\*LS\*123456172  
REF\*LS\*123456173  
REF\*LS\*123456174  
REF\*LS\*123456175  
REF\*LS\*123456176  
REF\*LS\*123456177  
REF\*LS\*123456178  
REF\*LS\*123456179  
REF\*LS\*123456180  
REF\*LS\*123456181  
REF\*LS\*123456182  
CTT\*2  
SE\*25\*0001  
GE\*1\*4  
IEA\*1\*000000004

Version	Date of Revision	Segment	Change Description
4.0.0	8/31/2020		Initial Release
5.0.0	10/21/2021	REF	Clarified Serial number format & length
		REF	Clarified Serial number format & length
6.0.0	12/8/2021	LIN	Removed syntax note #2
7.0.0	9/15/2022	HL*O	Changed example line to reference O (order)
		HL*T	Changed HL* loop to be optional, not mandatory. If no master is sent, HL*T loop can be eliminated
			Several lines of the example did not have the proper carriage return. Changed these to display on their own line.
8.0.0	3/30/2023		Total document reformat.