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	**ST**	Transaction Set Header	M	1	
Required	**BSN**	Beginning Segment for Ship Notice	M	1	
Required	**DTM**	Date/Time Release	O	10	

Detail:

Req	Seg ID	Name	Req Des	Max Use	Loop Repeat
		LOOP ID HL			200000
Required	**HL**	Hierarchical Level	M	1	
Required	**MEA**	Measurements	O	40	
Required	**TD1**	Carrier Details (Quantity & Weights)	O	20	
Required	**TD5**	Carrier Details (Routing Sequence/Transit Time)	O	12	
Required	**TD3**	Carrier Details (Equipment)	O	12	
Required	**REF**	Reference Identification	O	>1	
		Name	O	1	
		LOOP ID N1			200
Required	**N1**	Name	O	1	
		LOOP ID HL			200000
Required	**HL**	Hierarchical Level	M	1	
Required	**LIN**	Item Identification	O	1	
Required	**SN1**	Item Detail (Shipment)	O	1	
		LOOP ID CLD			200
Required	**CLD**	Load Detail	O	1	
Required	**REF**	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**	**Transaction Set Identifier Code**	**M ID 3/3**
			Code uniquely identifying a Transaction Set	
			856 X12 Ship Notice/Manifest	
Required	**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	

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

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**	**Date/Time Qualifier**	**M ID 3/3**
			Code specifying type of date or time, or both date and time	
			011 Shipped	
Required	**DTM02**	**373**	**Date**	**C DT 8/8**
			Date expressed as CCYYMMDD	
			The local shipment time	
Required	**DTM03**	**337**	**Time**	**C TM 4/8**
			Time expressed in a 24-hour clock time as follows: HHMM	
			The local shipment time	
Optional	**DTM04**	**623**	**Time Code**	**O ID 2/2**
			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**	**Hierarchical ID Number**	**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**	**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	
			Required except for Shipment level	
Required	**HL03**	**735**	**Hierarchical Level Code**	**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**	**Measurement Reference ID Code**	**O ID 2/2**
			Code identifying the broad category to which a measurement applies	
			PD Physical Dimensions	
Required	**MEA02**	**738**	**Measurement Qualifier**	**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**	**Measurement Value**	**C R 1/20**
			The value of the measurement	
	MEA04	**355**	**Unit or Basic for Measurement Code**	**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**	**Packaging Code**	**O 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	
			Use these specified codes:	
			CTN25 Carton	
			PLT90 Pallet	
Required	**TD102**	**80**	**Lading Quantity**	**C N0 1/7**
			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**	**Routing Sequence Code**	**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**	**Identification Code Qualifier**	**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**	**Identification Code**	**C AN 2/80**
			Code identifying a party or other code	
			Valid, mutually agreed SCAC code	
Required	**TD504**	**91**	**Transportation Method/Ty pe Code**	**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**	**Routing**	**C AN 1/35**
			Free-form description of the routing or requested routing for shipment, or the Originating carrier's identity	
			Carrier Text Name	
	TD507	**309**	**Location Qualifier**	**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**	**Location Identifier**	**X AN 1/30**
			Code which identifies a specific location	
			If TD507 = "PP" use pool point shown on Supplier Routing Instructions.	
			If TD507 = "OR" use originating airport code from airbill	

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

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**	**Reference Identification Qualifier**	**M ID 2/3**
			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**	**Reference Identification**	**C AN 1/30**
			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*SF92*123456~**
N1*SU92*123456~**

Data Element Summary

Req	Ref Des	Data Element	Name	Attributes
Required	**N101**	**98**	**Entity Identifier Code**	**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**	**Name**	**C AN 1/60**
			Free-form name	
Required	**N103**	**66**	**Identification Code Qualifier**	**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**	**Identification Code**	**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**	**Hierarchical ID Number**	**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**	**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	
Required	**HL03**	**735**	**Hierarchical Level Code**	**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**	**Product/Service ID Qualifier**	**M ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			BP Buyer's Part Number	
Required	**LIN03**	**234**	**Product/Service ID**	**M AN 1/48**
			Identifying number for a product or service	
			Lacks part number	
Required	**LIN04**	**235**	**Product/Service ID Qualifier**	**C ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			PO Purchase Order Number	
Required	**LIN05**	**234**	**Product/Service ID**	**M AN 1/48**
			Identifying number for a product or service	
			Use PO Number provided in the releasing document (e.g. 830)	

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**	**Number of Units Shipped**	**M R 1/10**
			Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
			Number of parts (quantity shipped) for the Buyer's Part indicated in the LIN segment	
Required	**SN103**	**355**	**Unit or Basis for Measurement Code**	**M 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 the part unit of measure on your Supplier Release	
			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.	
	SN104	**646**	**Shipped to Date**	**O R 1/15**
			Number of units shipped to date	
			YTD cumulative for current model year, including this shipment.	

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**	**Hierarchical ID Number**	**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**	**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	
Required	**HL03**	**735**	**Hierarchical Level Code**	**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**	**Number of Loads**	**M N0 1/5**
			Number of customer-defined loads shipped by the supplier	
			Number of Containers	
Required	**CLD02**	**382**	**Number of Units Shipped**	**M R 1/10**
			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**	**Packaging Code**	**O 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. 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**	**Reference Identification Qualifier**	**M ID 2/3**
			Code qualifying the Reference Identification	
			LS *Bar-Coded Serial Number*	
			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.	
Required	**REF02**	**127**	**Reference Identification**	**C AN 1/30**
			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 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*I**

Data Element Summary

Req	Ref Des	Data Element	Name	Attributes
Required	**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	
			"1" in the initial HL segment, incrementing by 1 each subsequent HL segment within the transaction	
Required	**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	
Required	**HL03**	**735**	**Hierarchical Level Code**	**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**	**Number of Loads**	**M N0 1/5**
			Number of customer-defined loads shipped by the supplier	
			Number of Containers	
Required	**CLD02**	**382**	**Number of Units Shipped**	**M R 1/10**
			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**	**Packaging Code**	**O 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. 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**	**Reference Identification Qualifier**	**M ID 2/3**
			Code qualifying the Reference Identification	
			LS *Bar-Coded Serial Number*	
			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.	
Required	**REF02**	**127**	**Reference Identification**	**C AN 1/30**
			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 Notes: This segment is intended to provide hash totals to validate transaction completeness and correctness.

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

Data Element Summary

Req	Ref Des	Data Element	Name	Attributes
Required	**CTT01**	**354**	**Number of Line Items**	**M N0 1/6**
			Total number of line items in the transaction set	
			Total number of HL loops with LIN segment in transaction	

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**	**Number of Included Segments**	**M N0 1/10**
		Total number of segments included in a transaction set including ST and SE segments	
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	

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
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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.