



O.C. TANNER

The recognition experience®

ANSI X12 version 4010 856 Ship Notice/Manifest

VERSION: 01.00.00

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This document is describing the elements/segments of the 856 Ship Notice/Manifest as of the date specified above. We reserve the right to modify the document and processes used at O. C. Tanner Company in regards to the 856 Ship Notice/Manifest and its elements/segments. If any errors have been identified, the errors should be noted and the above contact must be notified immediately.

856 Ship Notice/Manifest

Functional Group = SH

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Segments:

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

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must Use
020	BSN	Beginning Segment for Ship Notice	M	1			Must Use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID – HL						200000	
010	HL	Hierarchical Level	M	1			Must Use
020	LIN	Item Identification	M	200000			Must Use
030	SN1	Item Detail Shipment	O	1			Must Use
050	PRF	Purchase Order Reference	O	1			Must Use
110	TD1	Carrier Details (Quantity and Weight)	M	1			Must Use
120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	1			Must Use
150	REF	Reference Identification	M	>1			Must Use
190	MAN	Marks and Numbers	M	>1			Must Use
200	DTM	Date/Time Reference	M	10			Must Use
LOOP ID – H1(). N1						200	
220	N1	Name	O	1			
230	N2	Additional Name Information	O	2			
240	N3	Address Information	O	2			
250	N4	Geographic Location	O	1			

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID – CTT						200	
070	CTT	Transaction Totals	O	1			Used
080	SE	Transaction Set Trailer	M	1			Must Use

Segments:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	GE	Functional Group Trailer	M	1			Used
	IEA	Interchange Control Trailer	M	1			Used

Notes:

ISA Interchange Control Header

POS:	Max: 1
Loop: N/A	Elements: 16
	Mandatory

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	Authorization Information Qualifier Description: Code to identify the type of information in the Authorization Information <u>Code</u> <u>Name</u> 00 No Authorization Information Present (No Meaningful Information in I02)	M	ID	2/2	Must Use
ISA02	I02	Authorization Information Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M	AN	10/10	Must Use
ISA03	I03	Security Information Qualifier Description: Code to identify the type of information in the Security Information <u>Code</u> <u>Name</u> 00 No Security Information Present (No Meaningful Information in I04)	M	ID	2/2	Must Use
ISA04	I04	Security Information Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M	AN	10/10	Must Use
ISA05	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified. <u>Code</u> <u>Name</u> 01 Duns (Dun & Bradstreet) 09 X.121 (CCITT) 12 Phone (Telephone Companies) ZZ Mutually Defined	M	ID	2/2	Must Use
ISA06	I06	Interchange Sender ID Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M	AN	15/15	Must Use
ISA07	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <u>Code</u> <u>Name</u> 01 Duns (Dun & Bradstreet)	M	ID	2/2	Must Use
ISA08	I07	Interchange Receiver ID Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this receiving ID to route data to them User Note: '001947688EDI'	M	AN	15/15	Must Use
ISA09	I08	Interchange Date Description: Date of the interchange	M	DT	6/6	Must Use
ISA10	I09	Interchange Time Description: Time of the interchange	M	TM	4/4	Must Use
ISA11	I10	Interchange Control Standards Identifier Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer. All valid standard codes are used	M	ID	1/1	Must Use
ISA12	I11	Interchange Control Version Number Description: This version number covers the interchange control segments <u>Code</u> <u>Name</u>	M	ID	5/5	Must Use

		00401 Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must Use
ISA14	I13	Acknowledgement Requested Description: Code sent by the sender to request an interchange acknowledgement (TA1) Code Name 0 No acknowledgement Requested	M	ID	1/1	Must Use
ISA15	I14	Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information Code Name P Production Data T Test Data	M	ID	1/1	Must Use
ISA16	I15	Component Element Separator Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate the component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M		1//1	Must Use

GS Functional Group Header

POS:	Max: 1
Loop: N/A	Elements: 8

To indicate the beginning of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	Functional Identifier Code Description: Code identifying a group of application related transaction sets <u>Code</u> <u>Name</u> SH Ship Notice/Manifest (856)	M	ID	2/2	Must Use
GS02	142	Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must Use
GS03	124	Application Receiver's Code Description: Code identifying party receiving transmission. Codes agreed to by both trading partners User Note: '001947688EDI'	M	AN	2/15	Must Use
GS04	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must Use
GS05	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSDD, 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)	M	TM	4/8	Must Use
GS06	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must Use
GS07	455	Responsible Agency Code Description: Code used in conjunction with Data Element 480 to identify the issuer of the standard <u>Code</u> <u>Name</u> X Accredited Standards Committee X12	M	ID	1/2	Must Use
GS08	480	Version/Release/Industry Identifier Code Description: Code indicating the version, release, sub-release, and industry segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and sub-release, level of the version; and positions 7-12 are the industry or trade associations identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed. <u>Code</u> <u>Name</u> 004010 Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	AN	1/12	Must Use

Semantics:

- GS04 is the group date.
- GS05 is the group time.
- The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

- A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST Transaction Set Header

POS: 010	Max: 1
Loop: N/A	Heading - Mandatory
	Elements: 2

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set <u>Code</u> <u>Name</u> 856 Ship Notice/Manifest	M	ID	3/3	Must Use
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must Use

Semantics:

- The transaction set identifier (ST01) 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:

BSN Beginning Segment for Ship Notice

POS: 020	Max: 1
Loop: N/A	Heading - Mandatory
	Elements: 10

To transmit identifying numbers , dates, and other basic data relating to the transaction set.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN01	353	Transaction Set Purpose Code Description: <u>Code</u> <u>Name</u> 00 Original	M	ID	2/2	Must Use
BSN02	396	Shipment Identification Description: A unique control number assigned by the original shipper to identify a specific shipment	M	AN	2/30	Must Use
BSN03	373	Date Description: Date expressed in format CCYYMMDD	M	DT	8/8	Must Use
BSN04	337	Time Description: 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)	M	TM	4/8	Must Use
BSN05	1005	Hierarchical Structure Code	O	ID	4/4	Not Used
BSN06	640	Transaction Type Code	X	ID	2/2	Not Used
BSN07	641	Status Reason Code	O	ID	3/3	Not Used

Syntax:

Semantics:

Comments:

HL Hierarchical Level

POS: 010

Max: 1

Loop: N/A

Elements: 4

To identify dependencies among and the content of hierarchically related groups of data segments.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	Hierarchical ID Number Description: A unique number assigned by the sender to identify a particular data segment in a heirarchical structure	M	AN	0/12	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	0/12	Use
HL03	735	Hierarchical Level Code Description: <u>Code</u> <u>Name</u> S Shipment O Order P Pack I Item	M	DT	8/8	Must Use
HL04	736	Hierarchical Child Code	O	ID	1	Not Used

Semantics:

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.
4. HL02 identifies the hierarchiacal 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.

LIN Item Identification

POS: 020

Max: 1

Loop: HL

Elements: 31

To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN01	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Not Used
LIN02	235	Product/Service ID Qualifier Code Name UP U.P.C. Consumer Package Code (1-5-5-1) PI Purchaser's Item Code	M	ID	2	Use
LIN03	234	Product/Service ID Description: Identifying number for a product or service	M	AN	1/48	Must Use
LIN04	235	Hierarchical Child Code	X	ID	1	Not Used
...						
LIN31	234	Product/Service ID	X	AN	0/48	Not Used

Semantics:

Comments:

SN1 Item Detail (Shipment)

POS: 030

Max: 1

Loop: HL

Elements: 8

To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN101	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used
SN102	382	Number of Units Shipped Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	M	R	1/10	Must Use
SN103	355	Unit or Basis for Measurement Code Code Name EA Each	M	ID	2/2	Must Use
SN104	646	Quantity Shipped to Date	O	R	0/15	Not Used
SN105	330	Quantity Ordered	X	R	0/15	Not Used
SN106	355	Unit or Basis for Measurement Code	X	ID	2	Not Used
SN107	728	Returnable Container Load Make-Up Code	O	ID	0/2	Not Used
SN108	668	Line Item Status Code	O	ID	2	Not Used

Semantics:

Comments:

PRF Purchase Order Reference

POS: 050

Max: 1

Loop: HL

Elements: 7

To identify dependencies among and the content of hierarchically related groups of data segments.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PRF01	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	1/22	Must Use
PRF02	328	Release Number Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O	AN	0/30	Not Used
PRF03	327	Change Order Sequence Number Description: Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	O	AN	0/8	Not Used
PRF04	373	Date Description: Date expressed as CCYYMMDD	O	DT	8/8	Not Used
PRF05	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	0/20	Not Used
PRF06	367	Contract Number Description: Contract Number	O	AN	0/30	Not Used
PRF07	92	Purchase Order Type Code	O	ID	2/2	Not Used

Semantics:

Comments:

Should only be passed when the HL03 Hierarchical Level Code = "O"

PID Product/Item Description

POS: 070

Max: 200

Loop: HL

Elements: 9

To describe a product or process in coded or free-form format.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	Item Description Type	M	ID	1	Must Use
PID02	750	Product/Process Characteristic Code	O	ID	2/3	Not Used
PID03	559	Agency Qualifier Code	X	ID	2	Used
PID04	751	Product Description Code Description: A code from an industry code list which provides specific data about a product characteristic	X	AN	0/12	Not Used
PID05	352	Description Description: A free-form description to clarify the related data elements and their content	X	AN	0/80	Not Used
PID06	752	Surface/Layer/Position Code	O	ID	2	Not Used
PID07	822	Source Subqualifier Description: A reference that indicates the table or text maintained by the Source Qualifier	O	AN	0/15	Not Used
PID08	1073	Yes/No Condition or Response Code	O	ID	1	
PID09	819	Language Code Description: Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	O	ID	2/3	

Semantics:

Comments:

Should only be passed when the HL03 Hierarchial Level Code = "O"

TD1 Carrier Details (Quantity and Weight)

POS: 110

Max: 20

Loop: N/A

Elements: 10

To specify the transportation details relative to commodity, weight, and quantity.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD101	103	Packing Code Description: <u>Code</u> <u>Name</u> CTN Carton	O	AN	3/5	Use
TD102	80	Lading Quantity Description: Number of units (pieces) of the lading commodity.	X	N	0/7	Use
TD103	23	Commodity Code Qualifier	O	ID	1	Not Used
TD104	22	Commodity Code Description: Code describing a commodity or group of commodities.	X	AN	1/30	Not Used
TD105	79	Lading Description Description: Description of an item as required for rating and billing purposes.	O	AN	0/50	Not Used
TD106	187	Weight Qualifier Description: <u>Code</u> <u>Name</u> G Gross Weight	O	ID	2/2	Used
TD107	81	Weight Description: Numeric value of weight	X	R	0/10	Used
TD108	355	Unit or Basis for Measurement Code Description: <u>Code</u> <u>Name</u> LB Pound	X	ID	2/2	Used
TD109	183	Volume Description: Value of volumetric measure	X	R	0/8	Not Used
TD110	355	Unit or Basis for Measurement Code	X	ID	2/2	Not Used

Semantics:

Comments:

TD5 Carrier Details (Routing Sequence/Transit Time)

POS: 120

Max: 12

Loop: N/A

Elements: 15

To specify the carrier and sequence of routing and provide transit time information.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD501	133	Routing Sequence Code	O	ID	0/2	Not Used
TD502	66	Identification Code Qualifier	X	ID	0/2	Not Used
TD503	67	Identification Code	X	AN	2/80	Not Used
TD504	91	Transportation Method/Type Code <u>Code</u> <u>Name</u> M Motor (Common Carrier) T Best Way (Shippers Option) ZZ Mutually defined	X	ID	1/2	Used
TD505	387	Routing Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	X	AN	1/35	Must Use
TD506	368	Shipment/Order Status Code <u>Code</u> <u>Name</u> ZZ Mutually Defined	X	ID	2/2	Used
TD507	309	Location Qualifier	O	ID	2/2	Used
TD508	310	Location Identifier Description: Code which identifies a specific location	X	AN	0/30	Used
TD509	731	Transit Direction Code	O	ID	2/2	Not Used
TD510	732	Transit Time Direction Qualifier	O	ID	2/2	Not Used
TD511	733	Transit Time Description: The numeric amount of transit time	X	R	0/4	Not Used
TD512	284	Service Level Code	X	ID	2/2	Not Used
TD513	284	Service Level Code	X	ID	2/2	Not Used
TD514	284	Service Level Code	O	ID	2/2	Not Used
TD515	26	Country Code Description: Code identifying the country	O	ID	2/3	Not Used

Semantics:

Comments:

REF Reference Identification

POS: 150	Max: >1
Loop: HL	Detail - Optional
	Elements: 6

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	Reference Identification Qualifier Description: <u>Code</u> <u>Name</u> BM Bill of Lading Number	M	ID	2/3	Must Use
REF02	127	Reference Description Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used

Semantics:

Comments:

MAN Marks and Numbers

POS: 190

Max: >1

Loop: MAN

Elements: 6

To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MAN01	88	Marks and Numbers Qualifier <u>Code</u> <u>Name</u> AI UCC/EAN-128 Application Identifier (AI) and Data GM SSCC-18 and Application Identifier ZZ Mutually defined	M	ID	1/2	Must Use
MAN02	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	M	AN	1/48	Used
MAN03	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	O	AN	0/48	Not Used
MAN04	88	Marks and Numbers Qualifier	X	ID	2	Not Used
MAN05	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	X	AN	0/48	Not Used
MAN06	87	Marks and Numbers Description: Marks and numbers used to identify a shipment or parts of a shipment	O	AN	0/48	Not Used

Semantics:

Comments:

DTM Date/Time Reference

POS: 200

Max: 10

Loop: DTM

Elements: 6

To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time <u>Code</u> <u>Name</u> 011 Estimated Delivery Date 017 Shipped Date	M	ID	3/3	Must Use
DTM02	373	Date Description: Date expressed as CCYYMMDD	C	DT	8/8	Used
DTM03	337	Time	O	TM	4/8	Not Used
DTM04	623	Time Code	O	ID	2/2	Not Used
DTM05	1250	Date Time Period Format Qualifier	O	ID	2/3	Not Used
DTM06	1251	Date Time Period	O	AN	1/35	Not Used

Semantics:

Comments:

N1 Name

POS: 220

Max: 1

Loop: HL - N1

Elements: 6

To identify a party by type of organization, name and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	Entity Identifier Code Description: <u>Code</u> <u>Name</u> SF Ship From ST Ship To BY Buying Party (Purchaser)	M	ID	2/3	Must Use
N102	93	Name Description: Free-form name N102 = N102 data element of an 850 EDI Purchase Order transaction where N101 = "ST" N102 = Vendor Name where N101 = "SF"	M	AN	1/60	Used
N103	66	*Identification Code Qualifier Description: <u>Code</u> <u>Name</u> 12 Telephone Number (Phone) ZZ Mutually defined	M	ID	2/2	Used
N104	67	*Identification Code Description: Code identifying a party or other code	M	AN	2/80	Used
N105	706	Entity Relationship Code	O	ID	2/2	Not Used
N106	98	Entity Identifier Code	O	ID	2/3	Not Used

Semantics:**Comments:**

N102 is populated with the value passed on the inbound 850 EDI Purchase Order transaction N102 where N101 = "ST".

N102 is populated with "OCTANNER" where N101 = "BY"

*N103 is populated with "ZZ" where the N101 = "SF"

*N104 is populated with the vendor number assigned to this account from the O.C. Tanner Company where N101 = "SF".

Example:

N1*ST*JOHN DOE

N1*SF*Vendor Name*ZZ*123456

N1*BY*OCTANNER

N2 Additional Name Information

POS: 230	Max: 2
Loop: HL-N1-N2	Elements: 2

To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	Name Description: Free-form name	O	AN	0/60	Must Use
N202	93	Name Description: Free-form name	O	AN	0/60	Used

Semantics:

Comments:

N201 is populated with the value passed on the inbound 850 EDI Purchase Order transaction N201 where N101 = "ST".
 N202 is populated with the value passed on the inbound 850 EDI Purchase Order transaction N202 where N101 = "ST".

N3 Address Information

POS: 240

Max: 2

Loop: HL-N1-N3

Elements: 2

To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	Address Information Description: Address information	M	AN	1/55	Must Use
N302	166	Address Information Description: Address information	O	AN	1/55	Used

Semantics:

Comments:

N301 is populated with the value passed on the inbound 850 EDI Purchase Order transaction N301 where N101 = "ST".

N302 is populated with the value passed on the inbound 850 EDI Purchase Order transaction N302 where N101 = "ST".

N4 Geographic Location

POS: 250

Max: 1

Loop: HL-N1

Elements: 6

To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	City Name Description: Free-form text for city name	O	AN	2/30	Used
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used
N404	26	Country Code Description: Code identifying the country	O	ID	2/3	Used
N405	309	Location Qualifier	O	ID	0/2	Not Used
N406	310	Location Qualifier	O	AN	1/30	Not Used

Semantics:

Comments:

N401 is populated with the value passed on the inbound 850 EDI Purchase Order transaction N401 where N101 = "ST".
 N402 is populated with the value passed on the inbound 850 EDI Purchase Order transaction N402 where N101 = "ST".
 N403 is populated with the value passed on the inbound 850 EDI Purchase Order transaction N403 where N101 = "ST".
 N404 is populated with the value passed on the inbound 850 EDI Purchase Order transaction N404 where N101 = "ST".

CTT Transaction Totals

POS: 010	Max: 1
Loop: CTT	Summary - Mandatory Elements: 7

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	Number of Line Items Description: Total number of line items in the transaction set	M	NO	1/6	Must Use
CTT02	347	Hash Total	O	R	1/10	Not Used
CTT03	81	Weight	O	R	1/10	Not Used
CTT04	355	Unit or Basis for Measurement Code	O	ID	2/2	Not Used
CTT05	183	Volume	O	R	1/8	Not Used
CTT06	355	Unit or Basis for Measurement Code	O	ID	2/2	Not Used
CTT07	352	Description	O	AN	1/80	Not Used

Semantics:

Comments:

SE Transaction Set Trailer

POS: 030	Max: 1
Loop: N/A	Summary - Mandatory
	Elements: 2

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must Use
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must Use

Semantics:

Comments:

GE Functional Group Trailer

POS:	Max: 1
Loop: N/A	Elements: 2

To indicate the end of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE01	97	Number of Transaction Sets Included Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must Use
GE02	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must Use

Semantics:

Comments:

IEA Interchange Control Trailer

POS:	Max: 1
	- Mandatory
Loop: N/A	Elements: 2

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA01	I16	Number of Included Functional Groups Description: A count of the number of functional groups included in an interchange	M	N0	1/5	Must Use
IEA02	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must Use

Semantics:

Comments:

Sample SH Transaction Set

```

ISA*00*                *00*                *ZZ*001947688EDI  *ZZ*VENDORID      *070412*2001*U*00401*000000007*0*P*:
GS*SH*VENDORID*001947688EDI*20070412*2001*7*X*004010
ST*856*70001
BSN*00*07378590000129841*20070412*193254
HL*1**S
TD1*CTN25*1****G*4.293*LB
TD5***M*UNITED PARCEL SERVICES*ZZ
REF*BM*07378590000129841
DTM*017*20070412
DTM*011*20070412
N1*ST**92*ST
N1*SF*VENDOR NAME
N4*CITY*ST
HL*2**O
PRF*1177796
PID*S**VI*FL
TD1*CTN25*1
N1*BY**92*0135
HL*3**P
MAN*GM*00007378590001721822
HL*4**I
LIN**UP*737859064968
SN1**1*EA
HL*5**I
LIN**UP*737859067105
SN1**2*EA
CTT*5
SE*26*70001
GE*1*7
IEA*1*000000007

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