856 Ship Notice/Manifest

X12/V4010/856: 856 Ship Notice/Manifest

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Notes

EDI notes

The EDI messages use UTF8/Unicode characters and the field data is limited to the following characters: A through Z (upper or lowercase) (non-English characters are not permitted)

0 through 9

! " & '() / + , - . : ; = (space) % @ []_{}#\$

All messages between trading partners need to meet EDI validation.

Upon sending an EDI message D&H will expect a return 997 Functional Acknowledgment.

The sample segments and messages included in this guide use the asterisk as the data element separator. The separators used for actual EDI transmissions will be agreed upon with each trading partner.

Note- D&H requires any segment reflected in this guide as 'mandatory' (note under the usage section) to be transmitted in your documents. We will accept all valid X12 segments (By ANSI standards) but will only process those required for our business unless otherwise negotiated during your implementation EDI Contacts

General EDI Email: edi@dandh.com

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856 Ship Notice/Manifest

Functional Group=SH

Purpose: 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.

Heading:

<u>Pos</u>	<u>ld</u>	Segment Name	<u>Req</u>	Max Use	Repeat	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use
010	ST	Transaction Set Header	M	1			Must use
020	BSN	Beginning Segment for Ship	M	1			Must use

Detail:

<u>Pos</u>	<u>ld</u>	Segment Name	Req	Max Use	Repeat	<u>Notes</u>	<u>Usage</u>
LOOP	D - HL				200000	C2/010L	
010	HL	Hierarchical Level	M	1		C2/010	Must use
110	TD1	Carrier Details (Quantity and Weight)	0	20			Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	12			Used
150	REF	Reference Identification	0	>1			Used
200	DTM	Date/Time Reference	0	10			Used
LOOP	<u>D - N1</u>				<u>200</u>		
220	N1	Name	0	1			Must use
240	N3	Address Information	0	2			Used
250 N4		Geographic Location	Geographic Location O 1			Used	
LOOP	D - HL		-		200000		
010	HL	Hierarchical Level	М	1		C2/010	Must use
050	PRF	Purchase Order Reference	0	1			Must use
150	REF	Reference Identification	0	>1			Must use
LOOP	D - HL				200000		
010	HL	Hierarchical Level	М	1		C2/010	Must use
190	MAN	Marks and Numbers	0	>1			Must use
LOOP	D - HL				200000		
010	HL	Hierarchical Level	М	1		C2/010	Must use
020	LIN	Item Identification	0	1			Must use
030	SN1	Item Detail (Shipment)	0	1			Must use
060	PO4	Item Physical Details	0	1			Used

<u>Pos</u>	<u>ld</u>	Segment Name	<u>Req</u>	Max Use	Repeat	<u>Notes</u>	<u>Usage</u>	
070	PID	Product/Item Description	0	200			Used	
150	REF	Reference Identification	0	>1			Used	

Summary:

<u>Pos</u>	<u>ld</u>	Segment Name	<u>Req</u>	Max Use	Repeat	<u>Notes</u>	<u>Usage</u>
010	CTT	Transaction Totals	0	1		N3/010	Must use
020	SE	Transaction Set Trailer	M	1			Must use
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	М	1			Must use

Notes:

3/010 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.

Comments:

2/010L	The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no
	meaning.

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ISA Interchange Control Header

Pos: Max: 1 Heading - Mandatory Loop: N/A Elements: 16

User Option (Usage): Must use

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

Element Summary:

Ref ISA01	<u>ld</u> 101	Element Name Authorization Information Qualifier	Req M	Type ID	Min/Max 2/2	<u>Usage</u> Must use
		Description: Code to identify the type of information in the Authorization Information				
		Code Name 00 No Authorization Information Presen	it (No M	eaningfu	I Information ir	n 102)
ISA02	102	Authorization Information	М	AN	10/10	Must use
		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) D&H Use/Samples:				
		Blanks				
ISA03	103	Security Information Qualifier	М	ID	2/2	Must use
		Description: Code to identify the type of information in the Security Information				
		Code Name No Security Information Present (No	Meanir	ngful Info	rmation in 104)	
ISA04	104	Security Information	М	AN	10/10	Must use
		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) D&H Use/Samples: Blanks				
ISA05	105	Interchange ID Qualifier	М	ID	2/2	Must use
		Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified				
		CodeName01Duns (Dun & Bradstreet)08UCC EDI Communications ID (Communications ID)	m ID)			

		Code Name12 Phone (Telephone Companies)				
ISA06	106	Interchange Sender ID	М	AN	15/15	Must use
		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 D&H Use/Samples:				
		D&H US-7172557825 D&H Canada- 243337024 Production				
		D&H US-7172557825T D&H Canada- 243337024T Test ID				
ISA07	105	Interchange ID Qualifier	М	ID	2/2	Must use
		Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified				
		D&H Use/Samples:				
		Customer qualifer				
ISA08	107	Interchange Receiver ID	M	AN	15/15	Must use
		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 as a receiving ID to route data to them				
		D&H Use/Samples: Customer Receiver ID				
ISA09	108	Interchange Date	М	DT	6/6	Must use
		Description: Date of the interchange D&H Use/Samples: YYMMDD				
ISA10	109	Interchange Time	М	TM	4/4	Must use
		Description: Time of the interchange				
ISA11	I10	Interchange Control Standards Identifier	М	ID	1/1	Used
		Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer				
		Code Name U U.S. EDI Community of ASC X12, TI	DCC, ar	nd UCS		

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Ref ISA12	<u>ld</u> l11	Element Name Interchange Control Version Number	Req M	Type ID	Min/Max 5/5	<u>Usage</u> Must use
		Description: Code specifying the version number of the interchange control segments				
		Code Name 00401 Draft Standards for Trial Use Approx Review Board through October 199		Publicati	on by ASC X12	2 Procedures
ISA13	l12	Interchange Control Number	М	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				
ISA14	l13	Acknowledgment Requested	М	ID	1/1	Must use
		Description: Code sent by the sender to request an interchange acknowledgment (TA1)				
		Code NameNo Acknowledgment Requested				
ISA15	l14	Usage Indicator	М	ID	1/1	Must use
		Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information				
		CodeNamePProduction DataTTest Data				
ISA16	l15	Component Element Separator	М		1/1	Must use
		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 component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator D&H Use/Samples:				

D&H Use/Samples:

Sample Data:

ISA*00* *00* *01*7172557825 *12*YourID0000 *160202*1135*U*00401*000001661*0*P*>

GS Functional Group Header

Pos: Max: 1 Heading - Mandatory Loop: N/A Elements: 8

User Option (Usage): Must use

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

Element Summary:

Ref Id GS01 479	Element Name Functional Identifier Code	Req M	Type ID	Min/Max 2/2	<u>Usage</u> Must use
	Description: Code identifying a group of application related transaction sets				
	CodeNameSHShip Notice/Manifest (856)				
GS02 142	Application Sender's Code	М	AN	2/15	Must use
	Description: Code identifying party sending transmission; codes agreed to by trading partners				
	D&H Use/Samples: D & H Production and Test ID's				
	D & TIT Todalction and Test ID 3				
	7172557825 - Production 7172557825T - Test				
	243337024 - Canada Productioin				
	243337024T - Canada Testing				
GS03 124	Application Receiver's Code	M	AN	2/15	Must use
	Description: Code identifying party receiving transmission; codes agreed to by trading partners				
	D&H Use/Samples:				
0004 272	Customer Identifier	N4	DT	0/0	Mustuss
GS04 373	Date Description: Date symposed as	М	DT	8/8	Must use
	Description: Date expressed as CCYYMMDD				
	D&H Use/Samples: CCYYMMDD				
GS05 337	Time	М	TM	4/8	Must use
	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)				

Ref	<u>ld</u>	Element Name	<u>Req</u>	<u>Type</u>	Min/Max	<u>Usage</u>
GS06	28	Group Control Number	М	N0	1/9	Must use
		Description: Assigned number originated and maintained by the sender				
GS07	455	Responsible Agency Code	М	ID	1/2	Must use
		Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480				
		Code Name X Accredited Standards Committee X12	<u> 2</u>			
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use

Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE 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 subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

Code Name

004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

Semantics:

- 1. GS04 is the group date.
- 2. GS05 is the group time.
- 3. 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:

1. 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.

D&H Use/Samples:

Sample Data:

GS*SH*7172557825*YourIDXXXX*20160202*1135*1661*X*004010

ST Transaction Set Header

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

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u> ST01	<u>ld</u> 143	Element Name Transaction Set Identifier Code	<u>Req</u> M	<u>Type</u> ID	Min/Max 3/3	<u>Usage</u> Must use
		Description: Code uniquely identifying a Transaction Set				
		Code Name856 Ship Notice/Manifest				
ST02	329	Transaction Set Control Number	М	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Semantics:

1. 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).

D&H Use/Samples:

Sample Data: ST*856*0061

BSN Beginning Segment for Ship Notice

Pos: 020 Max: 1 Heading - Mandatory Loop: N/A Elements: 5

User Option (Usage): Must use

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

Element Summary:

Ref	<u>ld</u>	Element Name	Req	<u>Type</u>	Min/Max	<u>Usage</u>
BSN01	353	Transaction Set Purpose Code	M	ID	2/2	Must use
		Description: Code identifying purpose of transaction set				
		CodeName00Original				
BSN02	396	Shipment Identification	М	AN	2/30	Must use
		Description: A unique control number assigned by the original shipper to identify a specific shipment				
BSN03	373	Date	М	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
BSN04	337	Time	М	TM	4/8	Must use
		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)				
BSN05	1005	Hierarchical Structure Code	0	ID	4/4	Used
		Description: Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set				
		CodeName0001Shipment, Order, Packaging, Item0004Shipment, Order, Item				

Syntax Rules:

1. C0706 - If BSN07 is present, then BSN06 is required.

Semantics:

- 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.

D&H Use/Samples:

Sample Data: BSN*00*1234567890*20141231*1230*0001

HL Hierarchical Level

Pos: 010 Max: 1
Detail - Mandatory
Loop: HL Elements: 4

User Option (Usage): Must use

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

Element Summary:

Ref HL01	<u>ld</u> 628	Element Name Hierarchical ID Number	Req M	<u>Type</u> AN	Min/Max 1/12	<u>Usage</u> Must use
		Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure				
		D&H Use/Samples:				
HL02	734	Hierarchical Parent ID Number	0	AN	1/12	Used
		Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to				
HL03	735	Hierarchical Level Code	М	ID	1/2	Must use
		Description: Code defining the characteristic of a level in a hierarchical structure				
		D&H Use/Samples: S				
		Code Name S Shipment				
HL04	736	Hierarchical Child Code	Ο	ID	1/1	Used
		Description: Code indicating if there are hierarchical child data segments subordinate to the level being described				
		Code Name				

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.

Additional Subordinate HL Data Segment in This Hierarchical Structure.

2. The HL segment defines a top-down/left-right ordered structure.

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- 3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
- 4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
- 5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

D&H Use/Samples:

Sample data: HL*1**S

TD1 Carrier Details (Quantity and Weight)

Pos: 110 Max: 20
Detail - Optional
Loop: HL Elements: 5

User Option (Usage): Used

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

Element Summary:

	Ref TD101	<u>ld</u> 103	Element Name Packaging Code	<u>Req</u> O	<u>Type</u> AN	Min/Max 3/5	<u>Usage</u> Used
			Description: 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				
			CodeNameBOXBoxCTNCartonCodeName25Corrugated or Solid				
TD102 80		80	Lading Quantity	Χ	N0	1/7	Must use
			Description: Number of units (pieces) of the lading commodity				
	TD106 187		Weight Qualifier	0	ID	1/2	Used
			Description: Code defining the type of weight				
			Code Name G Gross Weight				
	TD107	81	Weight	Х	R	1/10	Used
			Description: Numeric value of weight				
	TD108	355	Unit or Basis for Measurement Code	Χ	ID	2/2	Used
			Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
_	Syntax Bu		Code Name LB Pound				
۰	Whtav Di	IAC:					

Syntax Rules:

- 1. C0102 If TD101 is present, then TD102 is required.
- 2. C0304 If TD103 is present, then TD104 is required.
- 3. C0607 If TD106 is present, then TD107 is required.
- 4. P0708 If either TD107 or TD108 is present, then the other is required.
- 5. P0910 If either TD109 or TD110 is present, then the other is required.

D&H Use/Samples:

Sample Data: TD1**1****G*2.3*LB

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120 Max: 12
Detail - Mandatory
Loop: HL Elements: 7

User Option (Usage): Used

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

Element Summary:

Ref TD501	<u>ld</u> 133	Element Name Routing Sequence Code	Req O	Type ID	Min/Max 1/2	<u>Usage</u> Used
		Description: Code describing the relationship of a carrier to a specific shipment movement				
		CodeNameAOrigin Carrier, Agent's Routing (Rail)BOrigin/Delivery Carrier (Any Mode)OOrigin Carrier (Air, Motor, or Ocean)				
TD502	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		Code Name 2 Standard Carrier Alpha Code (SCAC	:)			
TD503	67	Identification Code	Х	AN	2/80	Used
		Description: Code identifying a party or other code				
TD504	91	Transportation Method/Type Code	Х	ID	1/2	Used
		Description: Code specifying the method or type of transportation for the shipment				
		CodeNameMMotor (Common Carrier)TBest Way (Shippers Option)UPrivate Parcel Service				
TD505	387	Routing	X	AN	1/35	Used
		Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity				
TD506	368	Shipment/Order Status Code	Х	ID	2/2	Used
		Description: Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction				

Code Name

CC Shipment Complete on (Date)

TD512 284 Service Level Code X ID 2/2 Used

Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier

Code Name

- 3D Three Day Service
- AM A.M.
- CG Ground
- D1 Delivery Scheduled Next Day by Cartage AgentD2 Delivery scheduled second day by cartage agent
- D3 Delivery scheduled third day by cartage agent
- G2 Standard Service
- ND Next Day Air

Description: Delivery during business day hours of next business day

PB Priority Mail

Description: Can consist of any mail matter (including regular First-Class mail) weighing eleven ounces or less and marked Priority Mail for which the mailer chooses to pay the minimum Priority Mail rate for unguaranteed two-day service among major cities and three-day service everywhere else; First-Class mail weighing more than eleven ounces automatically becomes Priority Mail and must be marked as such

- SA Same Day
- SC Second Day Air

Description: Delivery during business day hours no later than second business day

- SD Saturday
- SE Second Day
- SG Standard Ground
- ZZ Mutually Defined

Syntax Rules:

- 1. R0204050612 At least one of TD502, TD504, TD505, TD506 or TD512 is required.
- 2. C0203 If TD502 is present, then TD503 is required.
- 3. C0708 If TD507 is present, then TD508 is required.
- 4. C1011 If TD510 is present, then TD511 is required.
- 5. C1312 If TD513 is present, then TD512 is required.
- 6. C1413 If TD514 is present, then TD513 is required.
- 7. C1512 If TD515 is present, then TD512 is required.

Semantics:

1. TD515 is the country where the service is to be performed.

Comments:

1. When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

D&H Use/Samples:

Sample Data- TD5**2*WXYZ*M*Name of Carrier*******CG

REF Reference Identification

Pos: 150 Max: >1

Detail - Optional

Loop: HL Elements: 2

User Option (Usage): Used

Purpose: To specify identifying information

Element Summary:

<u>Ref</u>	<u>ld</u>	Element Name	<u>Req</u>	<u>Type</u>	Min/Max	<u>Usage</u>
REF01	1 128 Reference Identification Qualifier		M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification				
		Code Name				
		2I Tracking Number				
		BM Bill of Lading Number				
		CN Carrier's Reference Number (Pf	RO/Invoice)			
		IA Internal Vendor Number				
		IV Seller's Invoice Number				
		SE Serial Number				
		VR Vendor ID Number				
REF02	127	7 Reference Identification		AN	1/30	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference

Identification Qualifier

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

D&H Use/Samples:

Sample Data: REF*IA*123456789012345 REF*CN*123456789876543

REF*BM*987654321098765

DTM Date/Time Reference

Pos: 200 Max: 10 Detail - Optional Loop: HL Elements: 2

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

Ref	<u>ld</u>	Element Name	Req	<u>Type</u>	Min/Max	<u>Usage</u>
DTM01	374	Date/Time Qualifier	М	ID	3/3	Must use
		Description: Code specifying type of date or time, or both date and time				
		Code Name 011 Shipped				
DTM02	373	Date	Χ	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				

Syntax Rules:

- 1. R020305 At least one of DTM02, DTM03 or DTM05 is required.
- 2. C0403 If DTM04 is present, then DTM03 is required.
- 3. P0506 If either DTM05 or DTM06 is present, then the other is required.

D&H Use/Samples:

Sample Data:

DTM*011*20150105

N1 Name

Pos: 220 Max: 1
Detail - Optional
Loop: N1 Elements: 4

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u> N101	<u>ld</u> 98	Element Name Entity Identifier Code	<u>Req</u> M	<u>Type</u> ID	Min/Max 2/3	<u>Usage</u> Must use	
		Description: Code identifying an organizational entity, a physical location, property or an individual					
		CodeNameSFShip FromSTShip To					
N102 93		Name	X	AN	1/60	Used	
		Description: Free-form name					
N103	66	Identification Code Qualifier	Χ	ID	1/2	Used	
		Description: Code designating the system/method of code structure used for Identification Code (67)					
		 Code Name D-U-N-S+4, D-U-N-S Number with Instantional Address Number (SAN) Standard Address Number (SAN) Assigned by Seller or Seller's Agent Assigned by Buyer or Buyer's Agent Code assigned by the organization UL UCC/EAN Location Code Description: A globally unique 13 functional or physical location with International Article Number Assigned 	t t originati 3 digit c e ithin the	ng the tra ode for t	ansaction set the identification Tode Counc	il (UCC) and	
N104	67	Identification Code	Х	AN	2/80	Used	
		Description: Code identifying a party or					

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.

other code

2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

- 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.

D&H Use/Samples:

Sample Data: N1*ST*D & H Distributing Co.*92*01

N1*SF*Business Name

N3 Address Information

Pos: 240 Max: 2 Detail - Optional Loop: N1 Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>ld</u>	Element Name	<u>Req</u>	<u>Type</u>	Min/Max	<u>Usage</u>
N301	166	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	0	AN	1/55	Used

Description: Address information

D&H Use/Samples:

Not required on SF Loop

Sample Data:

N3*UNION SQUARE IND PK*909 KATIE COURT

N4 Geographic Location

Pos: 250 Max: 1
Detail - Optional
Loop: N1 Elements: 4

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u> N401	<u>ld</u> 19	Element Name City Name	Req O	<u>Type</u> AN	Min/Max 2/30	<u>Usage</u> Must use
		Description: Free-form text for city name				
N402	156	State or Province Code	0	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	0	ID	3/15	Must use
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	0	ID	2/3	Used
		Description: Code identifying the country				

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

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.

D&H Use/Samples:

Not Required on SF Loop N4*Harrisburg*PA*17109*US

HL Hierarchical Level

Pos: 010 Max: 1
Detail - Mandatory
Loop: HL Elements: 3

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u> HL01	<u>ld</u> 628	<u>Element Name</u> Hierarchical ID Number	Req M	<u>Type</u> AN	Min/Max 1/12	<u>Usage</u> Must use
		Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure				
HL02	734	Hierarchical Parent ID Number	0	AN	1/12	Must use
		Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to				
HL03	735	Hierarchical Level Code	М	ID	1/2	Must use
		Description: Code defining the characteristic of a level in a hierarchical structure				
		D&H Use/Samples:				
		0				
		Code Name				
		O Order				

Comments:

- 1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
- 2. The HL segment defines a top-down/left-right ordered structure.
- 3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
- 4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
- 5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
- HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

D&H Use/Samples:

Sample Data HL*2*3*O

PRF Purchase Order Reference

Pos: 050 Max: 1
Detail - Optional
Loop: HL Elements: 2

User Option (Usage): Must use

Purpose: To provide reference to a specific purchase order

Element Summary:

<u>Ref</u>	<u>ld</u>	Element Name	Req	<u>Type</u>	Min/Max	<u>Usage</u>
PRF01	324	Purchase Order Number	M	AN	1/22	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
PRF04	373	Date	0	DT	8/8	Must use
		Description: Date expressed as				

Semantics:

1. PRF04 is the date assigned by the purchaser to purchase order.

CCYYMMDD

D&H Use/Samples:

Sample Data

PRF*908704L***20160126

REF Reference Identification

Pos: 150 Max: >1

Detail - Optional

Loop: HL Elements: 2

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	<u>ld</u>	Eleme	ent Name	Req	<u>Type</u>	Min/Max	<u>Usage</u>
REF01	128	128 Refere	ence Identification Qualifier	М	ID	2/3	Must use
			ription: Code qualifying the ence Identification				
		<u>Code</u>	<u>Name</u>				
		21	Tracking Number				
		ВМ	Bill of Lading Number				
		CN	Carrier's Reference Number (PRO/I	nvoice)			
		IV	Seller's Invoice Number				
			D&H Use/Samples:				
			IV				
			VA				

/N Vendor Order Number

Reference Identification X AN 1/30 Must use

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

Syntax Rules:

REF02

127

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

D&H Use/Samples:

Sample Data: REF*IV*1234567890

REF*VN*987654321

HL Hierarchical Level

Pos: 010 Max: 1

Detail - Mandatory

Loop: HL Elements: 3

User Option (Usage): Must use

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

Element Summary:

Ref HL01	<u>ld</u> 628	Element Name Hierarchical ID Number	Req M	<u>Type</u> AN	Min/Max 1/12	<u>Usage</u> Must use
		Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure				
HL02	734	Hierarchical Parent ID Number	0	AN	1/12	Must use
		Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to				
HL03	735	Hierarchical Level Code	М	ID	1/2	Must use
		Description: Code defining the characteristic of a level in a hierarchical structure				
		D&H Use/Samples:				
		P				
		Code Name				
		P Pack				

Comments:

- 1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
- 2. The HL segment defines a top-down/left-right ordered structure.
- 3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
- 4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
- 5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
- HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

D&H Use/Samples:

Sample Data HL*3*2*P

MAN Marks and Numbers

Pos: 190 Max: >1

Detail - Optional

Loop: HL Elements: 4

User Option (Usage): Must use

Purpose: To indicate identifying marks and numbers for shipping containers

Element Summary:

<u>Ref</u> MAN01	<u>ld</u> 88	Element Name Marks and Numbers Qualifier	<u>Req</u> M	<u>Type</u> ID	Min/Max 1/2	<u>Usage</u> Must use
WAINOT	00	Description: Code specifying the application or source of Marks and Numbers (87)	IVI	טו	172	iviust use
		Code Name GM SSCC-18 and Application Identifier				
MAN02	87	Marks and Numbers	М	AN	1/48	Must use
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
MAN04	88	Marks and Numbers Qualifier	X	ID	1/2	Must use
		Description: Code specifying the application or source of Marks and Numbers (87)				
		Code Name CP Carrier-Assigned Package ID Numbe	r			
MAN05	87	Marks and Numbers	X	AN	1/48	Must use
		Description: Marks and numbers used to identify a shipment or parts of a shipment				

Syntax Rules:

- 1. P0405 If either MAN04 or MAN05 is present, then the other is required.
- 2. C0605 If MAN06 is present, then MAN05 is required.

Semantics:

- 1. MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
- 2. When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
- 3. When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

Comments:

- 1. When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.
- 2. MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers.
- 3. When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

D&H Use/Samples:

Sample Data:

MAN*GM*00109111040123456789**CP*987654321098765

HL Hierarchical Level

Pos: 010 Max: 1
Detail - Mandatory
Loop: HL Elements: 3

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>ld</u>	Element Name	Req	<u>Type</u>	Min/Max	<u>Usage</u>
HL01	628	Hierarchical ID Number	М	AN	1/12	Must use
		Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure				
HL02	734	Hierarchical Parent ID Number	0	AN	1/12	Must use
		Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to				
HL03	735	Hierarchical Level Code	М	ID	1/2	Must use
		Description: Code defining the characteristic of a level in a hierarchical structure				
		D&H Use/Samples:				
		1				
		Code Name I Item				

Comments:

- 1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
- 2. The HL segment defines a top-down/left-right ordered structure.
- 3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
- 4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
- 5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
- HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

D&H Use/Samples:

Sample Data:

HL*4*3*I

LIN Item Identification

Pos: 020 Max: 1
Detail - Optional
Loop: HL Elements: 7

User Option (Usage): Must use

Purpose: To specify basic item identification data

Element Summary:

<u>Ref</u> LIN01	<u>ld</u> 350	Element Name Assigned Identification	Req O	<u>Type</u> AN	Min/Max 1/20	<u>Usage</u> Must use
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
LIN02	235	Product/Service ID Qualifier	М	ID	2/2	Must use
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		CodeNameUPU.P.C. Consumer Package Code (1	-5-5-1)			
LIN03	234	Product/Service ID	М	AN	1/48	Must use
		Description: Identifying number for a product or service				
LIN04	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		CodeNameVPVendor's (Seller's) Part Number				
LIN05	234	Product/Service ID	Х	AN	1/48	Used
		Description: Identifying number for a product or service				
LIN06	235	Product/Service ID Qualifier	Χ	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		CodeNameBPBuyer's Part Number				
LIN07	234	Product/Service ID	Х	AN	1/48	Used
		Description: Identifying number for a product or service				

Syntax Rules:

- 1. P0405 If either LIN04 or LIN05 is present, then the other is required.
- 2. P0607 If either LIN06 or LIN07 is present, then the other is required.

- 3. P0809 If either LIN08 or LIN09 is present, then the other is required.
- 4. P1011 If either LIN10 or LIN11 is present, then the other is required.
- 5. P1213 If either LIN12 or LIN13 is present, then the other is required.
- 6. P1415 If either LIN14 or LIN15 is present, then the other is required.
- 7. P1617 If either LIN16 or LIN17 is present, then the other is required.
- 8. P1819 If either LIN18 or LIN19 is present, then the other is required.
- 9. P2021 If either LIN20 or LIN21 is present, then the other is required.
- 10. P2223 If either LIN22 or LIN23 is present, then the other is required.
- 11. P2425 If either LIN24 or LIN25 is present, then the other is required.
- 12. P2627 If either LIN26 or LIN27 is present, then the other is required.
- 13. P2829 If either LIN28 or LIN29 is present, then the other is required.
- 14. P3031 If either LIN30 or LIN31 is present, then the other is required.

Semantics:

1. LIN01 is the line item identification

Comments:

- 1. See the Data Dictionary for a complete list of IDs.
- 2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

D&H Use/Samples:

Sample Data:

LIN*1*UP*1234567890*VP*12345678901*BP*12345678902

SN1 Item Detail (Shipment)

Pos: 030 Max: 1
Detail - Optional
Loop: HL Elements: 6

User Option (Usage): Must use

Purpose: To specify line-item detail relative to shipment

Element Summary:

Ref SN101	<u>ld</u> 350	Element Name Assigned Identification	Req O	<u>Type</u> AN	Min/Max 1/20	<u>Usage</u> Recommended
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
SN102	382	Number of Units Shipped	М	R	1/10	Must use
		Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set				
SN103	355	Unit or Basis for Measurement Code	М	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		D&H Use/Samples:				
		EA				
		Code Name EA Each				
SN104	646	Quantity Shipped to Date	0	R	1/15	Not used
		Description: Number of units shipped to date				
SN105	330	Quantity Ordered	Χ	R	1/15	Must use
		Description: Quantity ordered				
SN106	355	Unit or Basis for Measurement Code	Χ	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				

Syntax Rules:

1. P0506 - If either SN105 or SN106 is present, then the other is required.

Semantics:

1. SN101 is the ship notice line-item identification.

Comments:

1. SN103 defines the unit of measurement for both SN102 and SN104.

D&H Use/Samples:

Sample Data:

SN1**50*EA**50*EA

PO4 Item Physical Details

Pos: 060 Max: 1

Detail - Optional

Loop: HL Elements: 5

User Option (Usage): Used

Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item

Element Summary:

<u>Ref</u> PO402	<u>ld</u> 357	Element Name Size	Req X	Type R	Min/Max 1/8	<u>Usage</u> Used
		Description: Size of supplier units in pack				
PO403	355	Unit or Basis for Measurement Code	Χ	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
PO405	187	Weight Qualifier	0	ID	1/2	Used
		Description: Code defining the type of weight				
		D&H Use/Samples: G				
PO406	384	Gross Weight per Pack	Х	R	1/9	Used
		Description: Numeric value of gross weight per pack				
PO407	355	Unit or Basis for Measurement Code	Х	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		D&H Use/Samples:				
		LB				

Syntax Rules:

- 1. P0203 If either PO402 or PO403 is present, then the other is required.
- 2. C0506 If PO405 is present, then PO406 is required.
- 3. P0607 If either PO406 or PO407 is present, then the other is required.
- 4. P0809 If either PO408 or PO409 is present, then the other is required.
- 5. C1013 If PO410 is present, then PO413 is required.
- 6. C1113 If PO411 is present, then PO413 is required.
- 7. C1213 If PO412 is present, then PO413 is required.
- 8. L13101112 If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
- 9. C1716 If PO417 is present, then PO416 is required.
- 10. C1804 If PO418 is present, then PO404 is required.

Semantics:

- 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:

- 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.

D&H Use/Samples:

Sample Data:

PO4**2*EA**G*5.12*LB

PID Product/Item Description

Pos: 070 Max: 200 Detail - Optional Loop: HL Elements: 2

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>ld</u>	Element Name	Req	<u>Type</u>	Min/Max	<u>Usage</u>
PID01	349	Item Description Type	М	ID	1/1	Must use
		Description: Code indicating the format of a description				
		D&H Use/Samples:				
		F				
PID05	352	Description	Χ	AN	1/80	Must use
		Description: A free-form description to clarify the related data elements and their content				

Syntax Rules:

- 1. C0403 If PID04 is present, then PID03 is required.
- 2. R0405 At least one of PID04 or PID05 is required.
- 3. C0703 If PID07 is present, then PID03 is required.
- 4. C0804 If PID08 is present, then PID04 is required.
- 5. C0905 If PID09 is present, then PID05 is required.

Semantics:

- 1. Use PID03 to indicate the organization that publishes the code list being referred to.
- 2. PID04 should be used for industry-specific product description codes.
- 3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
- 4. PID09 is used to identify the language being used in PID05.

Comments:

- 1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
- 2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
- 3. PID07 specifies the individual code list of the agency specified in PID03.

D&H Use/Samples:

Sample Data:

PID*F****Product Description

REF Reference Identification

Pos: 150 Max: >1
Detail - Optional
Loop: HL Elements: 2

User Option (Usage): Used

Purpose: To specify identifying information

Element Summary:

<u>Ref</u> REF01	<u>ld</u> 128		<u>nt Name</u> ence Identification Qualifier	<u>Req</u> M	Type ID	<u>Min/Max</u> 2/3	<u>Usage</u> Must use
			ption: Code qualifying the nce Identification				
		BM CN	Name Tracking Number Bill of Lading Number Carrier's Reference Number (PRO/I Serial Number	nvoice)			
REF02	127	Refere	ence Identification	Χ	AN	1/30	Must use

Description: Reference information as defined for a particular Transaction Set or

as specified by the Reference Identification Qualifier

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

D&H Use/Samples:

REF*SE*serialnumber

CTT Transaction Totals

Pos: 010 Max: 1 Summary - Optional Loop: N/A Elements: 1

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>ld</u>	Element Name	<u>Req</u>	<u>Type</u>	Min/Max	<u>Usage</u>
CTT01	354	Number of Line Items	М	N0	1/6	Must use

Description: Total number of line items in

the transaction set

Syntax Rules:

- 1. P0304 If either CTT03 or CTT04 is present, then the other is required.
- 2. P0506 If either CTT05 or CTT06 is present, then the other is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

D&H Use/Samples:

Sample Data:

CTT*6

SE Transaction Set Trailer

Pos: 020 Max: 1 Summary - Mandatory Loop: N/A Elements: 2

User Option (Usage): Must use

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

Element Summary:

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

Comments:

1. SE is the last segment of each transaction set.

D&H Use/Samples:

Sample Data:

SE*40*0061

GE Functional Group Trailer

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

User Option (Usage): Must use

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

Element Summary:

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

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

 The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

H&D	Use/Samp	les.
Dall	USE/Samp	iics.

Sample Data:

GE*3*1661

IEA Interchange Control Trailer

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

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>ld</u>	Element Name	Req	<u>Type</u>	Min/Max	<u>Usage</u>
IEA01	I16	Number of Included Functional Groups	М	N0	1/5	Must use
		Description: A count of the number of functional groups included in an interchange				
IEA02	l12	Interchange Control Number	М	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				

D&H Use/Samples:

Sample Data IEA*1*000001661

D&H Notes/Comments:

Sample 856 ASN Message DataWith S,O,P,I

ST*856*0061

BSN*00*1234567890*20141231*1230*0001

HL*1**S

TD1**1****G*10.24*LB

TD5*B*2*ABCD*M*ABCD Freight Co.

REF*IA*123456789012345

REF*CN*123456789876543

REF*BM*987654321098765

DTM*011*20150105

N1*ST*D & H Distributing Co.*92*01

N3*UNION SQUARE IND PK*909 KATIE COURT

N4*Harrisburg*PA*17109*US

N1*SF*Business Name

HL*2*1*0

PRF*123456789A***20141217

REF*IV*1234567890

REF*VN*987654321

HL*3*2*P

MAN*GM*00109111040123456789**CP*987654321098765

HL*4*3*I

LIN*1*UP*1234567890*VP*1234567890*BP*1234567890

SN1**50*EA**50*EA

PO4*1*50*EA**G*0.1*LB***2*5*1*IN~

PID*F****Product Description****EN

HL*5*2*P

MAN*GM*00109111040123456789**CP*987654321098765

HL*6*3*I

LIN*2*UP*123456780*VP*123456780*BP*123456780

SN1**2*EA**2*EA

PO4*1*2*EA**G*0.1*LB

PID*F****Product Description

REF*SE*Serialnumber1

REF*SE*SerialNumber2

CTT*6

SE*40*0061

Sample 856 ASN Message DataWith S,O,,I

ST*856*0061

BSN*00*1234567890*20141231*1230*0004

HL*1**S

TD1**1****G*10.24*LB

TD5*B*2*ABCD*M*ABCD Freight Co.

REF*IA*123456789012345

REF*CN*123456789876543

REF*BM*987654321098765

DTM*011*20150105

N1*ST*D & H Distributing Co.*92*01

N3*UNION SQUARE IND PK*909 KATIE COURT

N4*Harrisburg*PA*17109*US

N1*SF*Business Name

HL*2*1*O

PRF*123456789A***20141217

REF*IV*1234567890

REF*VN*987654321

HL*3*2*I

LIN*1*UP*1234567890*VP*1234567890*BP*1234567890

SN1**50*EA**50*EA

PO4*1*50*EA**G*0.1*LB***2*5*1*IN~

PID*F****Product Description****EN

HL*4*2*I

LIN*2*VP*123456780*BP*123456780*UP*123456780

SN1**2*EA**2*EA

PO4*1*2*EA**G*0.1*LB

PID*F****Product Description

REF*SE*Serialnumber1

REF*SE*SerialNumber2

CTT*6

SE*40*0061

Appendix B

D&H Distribution Facilities

The following is a list of the distribution faculties for D&H and the expected EDI message format for the addresses

of the facilities

Katie Court - Branch 1

909 Katie Court

Harrisburg, PA 17109

N1*ST*D&H - HARRISBURG*92*01

N3*UNION SQUARE IND PK*909 KATIE COURT

N4*Harrisburg*PA*17109*US

Fresno - Branch 4

3701 South Minnewawa Avenue

Fresno, CA 93725

N1*ST*D&H - FRESNO*92*04

N3*3701 S. Minnewawa Ave

N4*Fresno*CA*93725*US

Camp Hill (Returns) - Branch 2

500 Terminal Road

Camp Hill, PA 17011

N1*ST*D&H - CAMP HILL*92*02

N3*500 Terminal Road

N4*Camp Hill*PA*17011*US

Chicago - Branch 5

1455A Remington Boulevard

Bolingbrook, IL 90490

N1*ST*D&H - CHICAGO*92*05

N3*1455A Remington Boulevard

N4*Bolingbrook*IL*60490*US

Canada - Branch 3

7975 Heritage Road, Unit 20

Brampton, Ontario L6Y5X5

ST*D&H - CANADA*92*03 N3*7975 Heritage

Road*Unit 20 Building A N4*Brampton*ON*L6Y

5X5*CA

Atlanta/Newnan - Branch 6

185 Coweta Industrial Parkway

Newnan, GA 30265

N1*ST*D&H - ATLANTA*92*06

N3*185 Coweta Industrial Parkway

N4*Newnan*GA*30265*US