856 Ship Notice/Manifest
SERVICE PARTS
Version: 004010

Document Control

Rev	*Date*	*Author*	*Purpose for Change*
1.0	January 30, 2017	R. Heether	Creation of Implementation Guideline to accommodate Service Parts NAFTA CSPS Implementation effective January 1, 2018.
1.1	August 1, 2017	R. Heether	Changed Ship-To Code in the N1-ST-04 from 2 characters to 4 characters for Depot shipments. Fixed examples to reflect the change. Modified/corrected sizes of the fields in the N1 segments.
1.2	February 9, 2018	R. Heether	Updated “Field” sizes and usage, and added some comments for clarification.
1.3	November 28, 2018	R. Heether	Updated Examples.
1.4	December 21, 2018	R. Heether	Updated Plant Name in examples, and updated examples at each segment to coordinate with the full transaction example.
1.5	February 11, 2019	R. Heether	Corrected examples on Pages 5, 6, and 7.

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856 Ship Notice/Manifest

Functional Group=SH

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.

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ISA	Interchange Control Header	M	1			Must use
0200	GS	Functional Group Header	M	1			Must use

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BSN	Beginning Segment for Ship Notice	M	1			Must use
0300	DTM	Date/Time Reference (Ship)	O	1			Must use
0400	DTM	Date/Time Reference (Del.)	O	1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - HL					**1**	**C2/0100L**	**Must Use**
0200	HL	Hierarchical Level (Shipment)	M	1		C2/0200	Must use
0900	MEA	Measurements	O	1			Used
1200	TD1	Carrier Details (Quantity and Weight)	O	1			Must use
1300	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1			Must use
1400	TD3	Carrier Details (Equipment)	O	1			Used
1500	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	1			Used
1700	REF	Reference Identification (PK)	O	1			Used
1800	REF	Reference Identification (BM)	O	1			Must use
1800	REF	Reference Identification (CN)	O	1			Must use
1900	REF	Reference Identification (CSCN)	O	1			Must use
3800	FOB	F.O.B. Related Instructions	O	1			Used
LOOP ID - N1					**1**		**Must Use**
4100	N1	Name (BY – Buying Party)	O	1			Must use
LOOP ID - N1					**1**		**Must Use**
4900	N1	Name (SF – Ship From)	O	1			Must use
LOOP ID - N1					**1**		**Must Use**
5700	N1	Name (ST - Ship To)	O	1			Must use

5900	N3	Address Information (ST)	O	2			Used
6000	N4	Geographic Location (ST)	O	1			Used
LOOP ID - HL					**200000**	**C2/7900L**	**Must Use**
8000	HL	Hierarchical Level (Item)	M	1		C2/8000	Must use
8100	LIN	Item Identification	O	1			Must use
8200	SN1	Item Detail (Shipment)	M	1			Must use
8400	PRF	Purchase Order Reference	O	1			Must use
9500	REF	Reference Identification (PK)	O	1			Used
LOOP ID - CLD					**200**		**Used**
10900	CLD	Load Detail	O	1			Used
11000	REF	Reference Identification (LS)	O	200			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	CTT	Transaction Totals	O	1		N3/0100	Must use
0200	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	GE	Functional Group Trailer	M	1			Must use
0200	IEA	Interchange Control Trailer	M	1			Must use

Notes:

3/0100 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:

2/0100L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

2/0200 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

2/7900L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

2/8000 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

User Note 1:

Please Note:
You will see some elements listed as "Optional" per ANSI X12 Standard ("Req" column), but are considered "Mandatory" ("Usage" column) per CNH's business rules.

User Note 2:

Example 1 – DEPOT SHIPMENT

*ISA*00* *00* *ZZ*TESTSUPPLIER *01*601943181 *180120*1440*U*00401*000143945*0*P*>*
*GS*SH*TESTSUPPLIER*601943181*20180120*1440*52516*X*004010*
*ST*856*52516*
*BSN*00*D463876*20180120*1439*
*DTM*011*20180120*1439*
*DTM*017*20180122*1439*

*HL*1**S*
*MEA*PD*G*108*LB*
*TD1*CTN71*2*
*TD5*B*2*CTII*
*REF*PK*D463876*
*REF*BM*D463876*
*REF*CN*414-8016608-5*
*REF*ZZ*CSCN*
*N1*BY*SP NA*92*SN*
*N1*SF*TESTSUPPLIER*92*CL123*
*N1*ST*RECEIVING CTR -- NORTH AM. PARTS*92*0036*
*N3*420 S ENTERPRISE BOULEVARD*
*N4*LEBANON*IN*46052*US*
*HL*2*1*I*
*LIN*00010*BP*87750270*
*SN1**5*PC*
*PRF*3633251234*
*CLD*1*5*CTN71*
*REF*LS*152908*
*HL*3*1*I*
*LIN*00010*BP*84298013*
*SN1**9*PC*
*PRF*3633264321*
*CLD*1*9*CTN71*
*REF*LS*152909*
*CTT*3*
*SE*31*52516*
*GE*1*52516*
*IEA*1*000143945*

Example 2 – DFS/SHIP DIRECT (DEALER) SHIPMENT (with one Packing List Number at the Header)

*ISA*00* *00* *ZZ*TESTSUPPLIER *01*601943181 *180201*1330*U*00401*000144295*0*P*>*
*GS*SH*TESTSUPPLIER*601943181*20180201*1330*52614*X*004010*
*ST*856*52614*
*BSN*00*D465151*20180201*1327*
*DTM*011*20180201*1327*
*DTM*017*20180202*1327*
*HL*1**S*
*MEA*PD*G*294*LB*
*TD1*CTN71*2*
*TD5*B*2*CTII*
REF*PK*D465151
*REF*BM*D465151*
*REF*CN*777-4603571-4*
*REF*ZZ*CSCN*
*N1*BY*SP NA*92*SN*
*N1*SF*TESTSUPPLIER*92*CL123*
*N1*ST*DEALER NAME*92*123456 001*
*N3*123 45TH STREET*
*N4*PHOENIX*AZ*85009*US*
*HL*2*1*I*
*LIN*00010*BP*84258173*
*SN1**1*PC*
*PRF*0081081234*3391234*
*CLD*1*1*CTN71*
*REF*LS*153057*
*HL*3*1*I*
*LIN*00020*BP*AF25491*
*SN1**1*PC*
*PRF*0081081234*3391234*

*CLD*1*1*CTN71*
*REF*LS*153058*
*CTT*3*
*SE*31*52614*
*GE*1*52614*
*IEA*1*000144295*

Example 3 – DFS/SHIP DIRECT (DEALER) SHIPMENT (with "unique" Packing List Numbers at each Line Item)

*ISA*00* *00* *ZZ*TESTSUPPLIER *01*601943181 *190208*1600*U*00401*000009281*0*P*>*
*GS*SH*TESTSUPPLIER*601943181*20190208*1600*19734*X*004010*
*ST*856*17968*
*BSN*00*25825*20190208*1600*
*DTM*011*20190208*1600*
*DTM*017*20190210*1600*
*HL*1**S*
*MEA*PD*G*27*LB*
*TD1*BOX71*6*
*TD5*B*2*FDEG*
*REF*BM*987654321*
*REF*CN*785386826677*
*REF*ZZ*CSCN*
*N1*BY*SP NA*92*SN*
*N1*SF*TESTSUPPLIER*92*CL123*
*N1*ST*DEALER NAME*92*123456 001*
*N3*123 45TH STREET*
*N4*PHOENIX*AZ*85009*US*
*HL*2*1*I*
*LIN*00010*BP*73340411*
*SN1**2*EA*
*PRF*0081151234*4811234*
REF*PK*552460
*CLD*2*1*BOX71*
*REF*LS*73340411*
*REF*LS*73340412*
*HL*3*1*I*
*LIN*00020*BP*87299901*
*SN1**6*EA*
*PRF*0081151234*4811234*
REF*PK*552461
*CLD*3*2*BOX71*
*REF*LS*87299901*
*REF*LS*87299902*
*REF*LS*87299903*
*HL*4*1*I*
*LIN*00030*BP*B97443*
*SN1**1*EA*
*PRF*0081151234*4811234*
REF*PK*552462
*CLD*1*1*BOX71*
*REF*LS*97443321*
*CTT*4*
*SE*42*17968*
*GE*1*19734*
*IEA*1*000009281*

ISA Interchange Control Header

Pos: 0100 **Max: 1**
Not Defined - Mandatory
Loop: N/A **Elements: 16**

User Option (Usage): Must use

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 **All valid standard codes are used.**	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 **All valid standard codes are used.**	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 **All valid standard codes are used.**	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 **Code** **Name** 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 as	M	AN	15/15	Must use

		a receiving ID to route data to them **User Note 1:** *CNH ISA_07 Production ID: "601943181"* *CNH ISA_07 Test ID: "601943181TEST"*				
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:** Code specifying the version number of the interchange control segments **Code** **Name** 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	ID	5/5	Must use
ISA13	I12	**Interchange Control Number** **Description:** A control number assigned by the interchange sender	M	N0	9/9	Must use
ISA14	I13	**Acknowledgment Requested** **Description:** Code sent by the sender to request an interchange acknowledgment (TA1) **Code** **Name** 0 No Acknowledgment 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 **All valid standard codes are used.**	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 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: 0200	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

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 **Code** **Name** 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 trading partners **User Note 1:** *CNH GS_03 Production ID: "601943181"* *CNH GS_03 Test ID: "601943181TEST"*	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 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
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 identifying the issuer of the standard; this code is used in conjunction with Data Element 480 **All valid standard codes are used.**	M	ID	1/2	Must use
GS08	480	**Version / Release / Industry Identifier Code** **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	M	AN	1/12	Must use

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.

ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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 **Code** **Name** 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:

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).

BSN Beginning Segment for Ship Notice

Pos: 0200 **Max: 1**
Heading - Mandatory
Loop: N/A **Elements: 4**

User Option (Usage): Must use

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:** Code identifying purpose of transaction set **Code** **Name** 00 Original 05 Replace	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 **User Note 1:** *CNH Service Parts requires a unique Shipment Identifier (SID) for a 12-month period. In addition, this SID should be referenced also on your invoice (810) in the REF_02 with REF_01 = "SI" (Header level REF segment). If CNH provided you with a SID on the pickup request, that SID needs to be used here.*	M	AN	1/15	Must use
BSN03	373	**Date** **Description:** Date expressed as CCYYMMDD **User Note 1:** *856 (ASN) Creation Date*	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) **User Note 1:** *856 (ASN) Creation Time*	M	TM	4/8	Must use

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.

User Note 1:

Example:
*BSN*00*D463876*20180120*1439*
*BSN*00*D465151*20180201*1327*

DTM Date/Time Reference (Shipped)

Pos: 0300 **Max: 1**
Heading - Optional
Loop: N/A **Elements: 3**

User Option (Usage): Must use

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 **Code** **Name** 011 Shipped	M	ID	3/3	Must use
DTM02	373	**Date** **Description:** Date expressed as CCYYMMDD **User Note 1:** *Date Shipped*	M	DT	8/8	Must use
DTM03	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) **User Note 1:** *Time Shipped - Local Time to Shipper*	M	TM	4/8	Must use

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.

User Note 1:

Example:
*DTM*011*20180120*1439*
*DTM*011*20180201*1327*

DTM Date/Time Reference (Delivery)

Pos: 0400 **Max: 1**
Heading - Optional
Loop: N/A **Elements: 3**

User Option (Usage): Must use

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 **Code** **Name** 017 Estimated Delivery	M	ID	3/3	Must use
DTM02	373	**Date** **Description:** Date expressed as CCYYMMDD **User Note 1:** *Estimated Delivery Date*	M	DT	8/8	Must use
DTM03	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) **User Note 1:** *Estimated Delivery Time - Local to Receiver*	M	TM	4/8	Must use

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.

User Note 1:

Example:
*DTM*017*20180122*1439*
*DTM*017*20180202*1327*

Loop HL (Shipment)

Pos: 0100	Repeat: 1
Mandatory	
Loop: HL	Elements: N/A

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0200	HL	Hierarchical Level (Shipment)	M	1		Must use
0900	MEA	Measurements	O	40		Used
1200	TD1	Carrier Details (Quantity and Weight)	O	20		Must use
1300	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		Must use
1400	TD3	Carrier Details (Equipment)	O	12		Used
1500	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		Used
1700	REF	Reference Identification	O	1		Used
1800	REF	Reference Identification	O	1		Must use
1800	REF	Reference Identification	O	1		Must use
1900	REF	Reference Identification	O	1		Must use
3800	FOB	F.O.B. Related Instructions	O	1		Used
4000		Loop N1	O		1	Must use
4800		Loop N1	O		1	Must use
5600		Loop N1	O		1	Must use

HL Hierarchical Level (Shipment)

Pos: 0200	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 2

User Option (Usage): Must use

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 hierarchical structure **User Note 1:** *"1" is used for this occurrence of the HL Segment at the "Shipment" Level*	M	AN	1/12	Must use
HL03	735	**Hierarchical Level Code** **Description:** Code defining the characteristic of a level in a hierarchical structure **Code** **Name** S Shipment	M	ID	1/1	Must use

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

User Note 1:

Example:
*HL*1**S*

MEA Measurements

Pos: 0900 **Max: 1**
Detail - Optional
Loop: HL **Elements: 4**

User Option (Usage): Used

To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MEA01	737	**Measurement Reference ID Code** **Description:** Code identifying the broad category to which a measurement applies **Code** **Name** PD Physical Dimensions	O	ID	2/2	Used
MEA02	738	**Measurement Qualifier** **Description:** Code identifying a specific product or process characteristic to which a measurement applies **Code** **Name** G Gross Weight	M	ID	1/1	Must use
MEA03	739	**Measurement Value** **Description:** The value of the measurement	M	R	1/9	Must use
MEA04	C001	**Composite Unit of Measure** **Description:** To identify a composite unit of measure(See Figures Appendix for examples of use)	M	Comp		Must use
	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **Code** **Name** KG Kilogram LB Pound	M	ID	2/2	Must use

Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. C0504 - If MEA05 is present, then MEA04 is required.
3. C0604 - If MEA06 is present, then MEA04 is required.
4. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
5. E0803 - Only one of MEA08 or MEA03 may be present.

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments:

1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

User Note 1:

Example:
*MEA*PD*G*108*LB*

TD1 Carrier Details (Quantity and Weight)

Pos: 1200	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD101	103	**Packaging Code** **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 **User Note 1:** *All X12 standard codes can be used.* *Example:* *PLT71 - Pallet* *BOX71 - All expendable containers* *CNT71 - All returnable containers* *CTN71 - Carton* *MIX71 - Expendable/returnable mixed load*	M	AN	5/5	Must use
TD102	80	**Lading Quantity** **Description:** Number of units (pieces) of the lading commodity **User Note 1:** *Total number of containers in shipment.*	M	N0	1/7	Must use

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.

User Note 1:

Example:
*TD1*CTN71*2*

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 1300 **Max: 1**
Detail - Optional
Loop: HL **Elements: 3**

User Option (Usage): Must use

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** **Description:** Code describing the relationship of a carrier to a specific shipment movement **Code** **Name** B Origin/Delivery Carrier (Any Mode)	M	ID	1/2	Must use
TD502	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67) **Code** **Name** 2 Standard Carrier Alpha Code (SCAC)	M	ID	1/2	Must use
TD503	67	**Identification Code** **Description:** Code identifying a party or other code **User Note 1:** *Standard Carrier Alpha Code that identifies the carrier being used for the shipment. Please see the Code Source 17 in X12 Standards or visit https://supplier.cnhind.com under "Other Useful Information" for the valid SCAC codes.*	M	AN	1/4	Must use

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.

User Note 1:

Example:
*TD5*B*2*CTII*

TD3 Carrier Details (Equipment)

Pos: 1400	Max: 1
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used

To specify transportation details relating to the equipment used by the carrier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD301	40	**Equipment Description Code** **Description:** Code identifying type of equipment used for shipment **Code** **Name** RR Rail Car TL Trailer (not otherwise specified)	M	ID	2/2	Must use
TD302	206	**Equipment Initial** **Description:** Prefix or alphabetic part of an equipment unit's identifying number	M	AN	1/4	Must use
TD303	207	**Equipment Number** **Description:** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) **User Note 1:** *Trailer or Rail Car Number*	M	AN	1/10	Must use

Syntax Rules:

1. E0110 - Only one of TD301 or TD310 may be present.
2. C0203 - If TD302 is present, then TD303 is required.
3. C0405 - If TD304 is present, then TD305 is required.
4. P0506 - If either TD305 or TD306 is present, then the other is required.

User Note 1:

Example:
*TD3*TL*302*53830*

TD4 Carrier Details (Special Handling, or Hazardous Materials, or Both)

Pos: 1500 **Max: 1**
Detail - Optional
Loop: HL **Elements: 3**

User Option (Usage): Used

To specify transportation special handling requirements, or hazardous materials information, or both

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TD401	152	**Special Handling Code** **Description:** Code specifying special transportation handling instructions **All valid standard codes are used.**	M	ID	2/3	Must use
TD402	208	**Hazardous Material Code Qualifier** **Description:** Code which qualifies the Hazardous Material Class Code (209) **All valid standard codes are used.**	M	ID	1/1	Must use
TD403	209	**Hazardous Material Class Code** **Description:** Code specifying the kind of hazard for a material	M	AN	1/4	Must use

Syntax Rules:

1. R010204 - At least one of TD401, TD402 or TD404 is required.
2. C0203 - If TD402 is present, then TD403 is required.

Semantics:

1. TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.

REF Reference Identification (Packing List – Header)

Pos: 1700 **Max: 1**
Detail - Optional
Loop: HL **Elements: 2**

User Option (Usage): Used

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **Code** **Name** PK Packing List Number	M	ID	2/2	Must use
REF02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **User Note 1:** *Packing List Number is mandatory either at this (Shipment) Level or at each Item Level.* *Mandatory at this level if only" one" packing list is used per shipment.* *Omitted at this level if "multiple/unique" packing lists are used per shipment.*	M	AN	1/15	Must use

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.

User Note 1:

If not provided in REF segment at the Shipment level (REF_01 = "PK"), Packing list number must be present in REF segment at each Item level (HL loop with HL_03 = "I")

User Note 2:

Example:
*REF*PK*D463876*

REF Reference Identification (Bill of Lading)

Pos: 1800 **Max: 1**
Detail - Optional
Loop: HL **Elements: 2**

User Option (Usage): Must use

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **Code** **Name** BM Bill of Lading Number	M	ID	2/2	Must use
REF02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **User Note 1:** *Bill of Lading Number*	M	AN	1/15	Must use

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.

User Note 1:

Example:
*REF*BM*D463876*

REF Reference Identification Carrier's Reference Number (PRO Invoice)

Pos: 1800 **Max: 1**
Detail - Optional
Loop: HL **Elements: 2**

User Option (Usage): Must use

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **Code** **Name** CN Carrier's Reference Number (PRO/Invoice)	M	ID	2/2	Must use
REF02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **User Note 1:** *Carrier's PRO/Invoice Number*	M	AN	1/15	Must use

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.

User Note 1:

Example:
REF|CN|414-8016608-5

REF Reference Identification

Pos: 1900	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Must use

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **Code** **Name** ZZ Mutually Defined	M	ID	2/2	Must use
REF02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **User Note 1:** *CNH is sending this source value in the header section REF_02 field (with REF_01 = "ZZ") of the 850 (Purchase Order) message.* *This value is required to be returned here to allow CNH to perform the proper routing of the message. You may hard code this segment as shown below.*	M	AN	4/4	Must use

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.

User Note 1:

Example:
*REF*ZZ*CSCN*

FOB F.O.B. Related Instructions

Pos: 3800	Max: 1
Detail - Optional	
Loop: HL	Elements: 1

User Option (Usage): Used

To specify transportation instructions relating to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB01	146	**Shipment Method of Payment** **Description:** Code identifying payment terms for transportation charges	M	ID	2/2	Must use
		Code **Name** CC Collect PO Prepaid Only PP Prepaid (by Seller)				

Syntax Rules:

1. C0302 - If FOB03 is present, then FOB02 is required.
2. C0405 - If FOB04 is present, then FOB05 is required.
3. C0706 - If FOB07 is present, then FOB06 is required.
4. C0809 - If FOB08 is present, then FOB09 is required.

Semantics:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

User Note 1:

Example:
*FOB*PO*

Loop N1 (BY – Buying Party)

Pos: 4000	Repeat: 1
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
4100	N1	Name (Buying Party)	O	1		Must use

N1 Name (BY – Buying Party)

Pos: 4100	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Must use

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:** Code identifying an organizational entity, a physical location, property or an individual **Code** **Name** BY Buying Party (Purchaser)	M	ID	2/2	Must use
N102	93	**Name** **Description:** Free-form name **User Note 1:** *Plant Name* *SP NA* *This Plant Name is mapped from the N1_02 (with N1_01 = "BY") of the 850 message.*	O	AN	1/35	Used
N103	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67) **Code** **Name** 92 Assigned by Buyer or Buyer's Agent	M	ID	2/2	Must use
N104	67	**Identification Code** **Description:** Code identifying a party or other code **User Note 1:** *Plant Code* *This Plant Code is mapped from the N1_04 (with N1_04 = "BY") of the 850 message, and it is required to be returned.*	M	AN	2/2	Must use

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

User Note 1:

Example:
*N1*BY*SP NA*92*SN*

Loop N1 (SF – Ship From)

Pos: 4800 **Repeat: 1**
Optional
Loop: N1 **Elements: N/A**

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
4900	N1	Name (Ship From)	O	1		Must use

N1 Name (SF – Ship From)

Pos: 4900	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Must use

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:** Code identifying an organizational entity, a physical location, property or an individual **Code** **Name** SF Ship From	M	ID	2/2	Must use
N102	93	**Name** **Description:** Free-form name **User Note 1:** *Your Supplier Name*	O	AN	1/35	Used
N103	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67) **Code** **Name** 92 Assigned by Buyer or Buyer's Agent	M	ID	2/2	Must use
N104	67	**Identification Code** **Description:** Code identifying a party or other code **User Note 1:** *Your Supplier Code* *This code is mapped from the N1_04 (with N1_01 = "SU") of the 850 Purchase Order message, and it is required to be returned.*	M	AN	5/5	Must use

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

User Note 1:

Example:
*N1*SF*TESTSUPPLIER*92*CL123*

Loop N1 (ST – Ship To)

Pos: 5600 **Repeat: 1**
Optional
Loop: N1 **Elements: N/A**

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
5700	N1	Name (Ship To)	O	1		Must use
5900	N3	Address Information (Ship-To)	O	2		Used
6000	N4	Geographic Location (Ship-To)	O	1		Used

N1 Name (ST – Ship To)

Pos: 5700	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Must use

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:** Code identifying an organizational entity, a physical location, property or an individual **Code** **Name** ST Ship To	M	ID	2/2	Must use
N102	93	**Name** **Description:** Free-form name **User Note 1:** *Ship-To Name:* *CNH Industrial Depot or Dealer Name*	M	AN	1/35	Must Use
N103	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67) **Code** **Name** 92 Assigned by Buyer or Buyer's Agent	M	ID	2/2	Must use
N104	67	**Identification Code** **Description:** Code identifying a party or other code **User Note 1:** *Ship-To Code (Depot or Dealer Code):* *CNH Service Parts requires the Ship-To Code in this field. The value of this field (4-digit Depot code or 10-digit Dealer code) should be mapped from the N1_04 field with N1_01 = "ST" of the 850 Purchase Order message. See User Note 1 Below*	M	AN	4/10	Must use

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

User Note 1:

Example 1: Depot Shipments
*N1*ST*RECEIVING CTR -- NORTH AM. PARTS*92*0036*

Example 2: Ship Direct (Dealer) Shipments
*N1*ST*DEALER NAME*92*123456 001*

N3 Address Information (Ship-To)

Pos: 5900	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

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 **User Note 1:** *Ship-To Street Address*	M	AN	1/30	Must use
N302	166	**Address Information** **Description:** Address information **User Note 1:** *Ship-To Street Address continuation*	O	AN	1/30	Used

User Note 1:

Example:
*N3*420 S ENTERPRISE BOULEVARD*
*N3*123 45TH STREET*

N4 Geographic Location (Ship-To)

Pos: 6000 **Max: 1**
Detail - Optional
Loop: N1 **Elements: 4**

User Option (Usage): Used

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 **User Note 1:** *Ship-To City*	M	AN	2/30	Must Use
N402	156	**State or Province Code** **Description:** Code (Standard State/Province) as defined by appropriate government agency **User Note 1:** *Ship-To State or Province*	M	ID	2/2	Must Use
N403	116	**Postal Code** **Description:** Code defining international postal zone code excluding punctuation and blanks (zip code for United States) **User Note 1:** *Ship-To Postal Code*	M	ID	5/15	Must Use
N404	26	**Country Code** **Description:** Code identifying the country **User Note 1:** *Ship-To Country Code*	M	ID	2/2	Must Use

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.

User Note 1:

Example:
*N4*LEBANON*IN*46052*US*
*N4*PHOENIX*AZ*85009*US*

Loop HL (Item Level)

Pos: 7900	Repeat: 200000
Mandatory	
Loop: HL	Elements: N/A

User Option (Usage): Must use

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
8000	HL	Hierarchical Level (Item)	M	1		Must use
8100	LIN	Item Identification	O	1		Must use
8200	SN1	Item Detail (Shipment)	M	1		Must use
8400	PRF	Purchase Order Reference	O	1		Must use
9500	REF	Reference Identification	O	1		Used
10800		Loop CLD	O		200	Used

HL Hierarchical Level (Item)

Pos: 8000	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 3

User Option (Usage): Must use

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 hierarchical structure **User Note 1:** *The first hierarchy ("Shipment" Level HL segment on Page 15 of this document) will have a value of '1', and each subsequent hierarchy within the transaction needs to be incremented by 1 at this "Item" Level; i.e., 2, 3, 4.*	M	AN	1/12	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 **User Note 1:** *A value "1" is required here at this "Item Level" referring to the Parent ("Shipment" level)*	M	AN	1/12	Must use
HL03	735	**Hierarchical Level Code** **Description:** Code defining the characteristic of a level in a hierarchical structure Code: I — Name: Item	M	ID	1/1	Must use

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

User Note 1:

Example:
*HL*2*1*I*

LIN Item Identification

Pos: 8100 **Max: 1**
Detail - Optional
Loop: HL **Elements: 7**

User Option (Usage): Must use

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 **User Note 1:** *Purchase Order Line Number*	M	AN	5/5	Must use
LIN02	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) **Code** **Name** BP Buyer's Part Number	M	ID	2/2	Must use
LIN03	234	**Product/Service ID** **Description:** Identifying number for a product or service **User Note 1:** *CNH Industrial's Part Number*	M	AN	1/30	Must use
LIN04	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) **Code** **Name** DR Drawing Revision Number	O	ID	2/2	Used
LIN05	234	**Product/Service ID** **Description:** Identifying number for a product or service **User Note 1:** *Drawing Revision*	O	AN	1/2	Used
LIN06	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) **Code** **Name** VP Vendor's (Seller's) Part Number	O	ID	2/2	Used
LIN07	234	**Product/Service ID** **Description:** Identifying number for a product or service **User Note 1:** *Supplier's Part Number*	O	AN	1/30	Used

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.

User Note 1:

Example:
*LIN*00010*BP*87750270*

SN1 Item Detail (Shipment)

Pos: 8200	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 2

User Option (Usage): Must use

To specify line-item detail relative to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN102	382	**Number of Units Shipped** **Description:** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set **User Note 1:** *Number of units shipped*	M	R	1/10	Must use
SN103	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **User Note 1:** *The value of this field should be mapped from the PO1_03 field of the 850 Purchase Order message. All valid standard codes are used.* *Examples:* *EA Each* *PC Piece*	M	ID	2/2	Must use

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.

User Note 1:

Example:
*SN1**5*PC

PRF Purchase Order Reference

Pos: 8400	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Must use

To provide reference to a specific purchase order

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 **User Note 1:** *The value of this field should be mapped from the BEG_03 field of the 850 Purchase Order message.*	M	AN	10/10	Must use
PRF02	328	**Dealer Sales Order Number** **User Note 1:** *THIS FIELD IS MANDATORY FOR CNH INDUSTRIAL SERVICE PARTS NAFTA SHIP DIRECT (DFS) 856s ONLY (NOT REQUIRED FOR DEPOT SHIPMENTS).* *The value that needs to be provided in this field is the Dealer Sales Order Number.* *CNH Industrial Service Parts sends you the Dealer Sales Order Number either at the Header Level in the REF-PRT segment, and/or in the MSG segment at the Detail (Part Number) Level of the 850 Purchase Order. The value that is sent is 11-characters in length which includes a dash and a suffix (ex. 3391234-001). However, you only need to return the first 7 digits here in the PRF02 field (see Example below).*	O	AN	7/7	Used

Semantics:

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

User Note 1:

Example: Depot Orders
*PRF*3633251234*

Example: Ship Direct (Dealer) Orders
*PRF*0081081234*3391234*

REF Reference Identification (Packing List – Item Level)

Pos: 9500 **Max: 1**
Detail - Optional
Loop: HL **Elements: 2**

User Option (Usage): Used

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **Code** **Name** PK Packing List Number	M	ID	2/2	Must use
REF02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **User Note 1:** *Packing List Number is mandatory either at this (Item) level, or at the Shipment Level. If the Packing List Number is provided at this (Item) level, it must be present for each item.* *Mandatory at this level if "multiple" packing lists are used per shipment.*	M	AN	1/15	Must use

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.

Loop CLD

Pos: 10800 Repeat: 200
Optional
Loop: CLD Elements: N/A

User Option (Usage): Used

To specify the number of material loads shipped

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
10900	CLD	Load Detail	O	1		Used
11000	REF	Reference Identification (LS)	O	200		Used

CLD Load Detail

Pos: 10900 **Max: 1**
Detail - Optional
Loop: CLD **Elements: 3**

User Option (Usage): Used

To specify the number of material loads shipped

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CLD01	622	**Number of Loads** **Description:** Number of customer-defined loads shipped by the supplier **User Note 1:** *Total number of containers for this line item*	M	N0	1/5	Must use
CLD02	382	**Number of Units Shipped** **Description:** Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set **User Note 1:** *Total quantity per container for this line item*	M	R	1/10	Must use
CLD03	103	**Packaging Code** **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 **User Note 1:** *All X12 standard codes can be used.* *Example:* *BOX71 - Expendable Box* *CNT71 - Returnable Container* *PLT71 - Pallet*	M	AN	5/5	Must use

Syntax Rules:

1. C0504 - If CLD05 is present, then CLD04 is required.

Semantics:

1. CLD05 is used to dimension the value given in CLD04.

Comments:

1. The CLD data segment may be used to provide information to aid in the preparation of move tags and/or bar code labels.

User Note 1:

CLD segment is sent only if followed by REF segment with REF_01 = "LS"

User Note 2:

Example:
*CLD*1*5*CTN71*
*REF*LS*152908*

REF Reference Identification (Label Serial Number)

Pos: 11000 **Max: 200**
Detail - Optional
Loop: CLD **Elements: 2**

User Option (Usage): Used

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **Code** **Name** LS Bar-Coded Serial Number	M	ID	2/2	Must use
REF02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **User Note 1:** *Container Label Serial Number*	M	AN	1/12	Must use

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.

User Note 1:

Example:
*REF*LS*152908*

CTT Transaction Totals

Pos: 0100	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Must Use

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 **User Note 1:** *Total number of HL Segments (including the Shipment Level)*	M	N0	1/6	Must use

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.

User Note 1:

Example:
*CTT*3*

SE Transaction Set Trailer

Pos: 0200	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Comments:

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

GE Functional Group Trailer

Pos: 0100	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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:

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:

1. 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.

IEA Interchange Control Trailer

Pos: 0200	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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