



**810 Invoice – Service Parts**  
**Version: 004010**

# Document Control

<b>Rev</b>	<b>Date</b>	<b>Author</b>	<b>Purpose for Change</b>
1.0	January 30, 2017	R. Heether	Creation of Implementation Guideline to accommodate Service Parts NAFTA CSPA 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. Made N4 segment mandatory.
1.2	August 2, 2017	R. Heether	Changed "Usage" for N4 Segment on Pages 4, 17, and 22 to Must Use.
1.3	December 21, 2018	R. Heether	Updated "Field" sizes, usage, and added some comments for clarification. Updated examples to include multiple PO Numbers at the line item level.
1.4	February 11, 2019	R. Heether	Corrected examples on Pages 5 and 6.
1.5	April 3, 2019	R. Heether	Added Serial Number in the IT1 Segment (SN Qualifier in IT1-14 and Serial Number in IT1-15 fields).
2.0	June 17, 2020	Scott Clemence	Added allowable SAC Charges A. C680 – Environmental Protection Services B. H340 – State Surcharge

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**810****Invoice****Functional Group=IN**

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

**Not Defined:**

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

**Heading:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
0100	ST	Transaction Set Header	M	1			Must use
0200	BIG	Beginning Segment for Invoice	M	1			Must use
0400	CUR	Currency	O	1			Must use
0500	REF	Reference Identification	O	12			Must use
<b>LOOP ID - N1</b>					<b>200</b>		<b>Must Use</b>
0900	N1	Name (Supplier)	O	1			Must use
1000	N1	Name (Bill-To)	O	1			Must use
1100	N1	Name (Ship-To)	O	1			Must use
1300	N3	Address Information (Ship-To)	O	2			Used
1400	N4	Geographic Location (Ship-To)	O	1			Must Use
1800	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
1900	DTM	Date/Time Reference	O	10			Must use

**Detail:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - IT1</b>					<b>200000</b>		<b>Must Use</b>
0200	IT1	Baseline Item Data (Invoice)	O	1			Must use
0700	TXI	Tax Information	O	10			Used
<b>LOOP ID - PID</b>					<b>1000</b>		<b>Used</b>
1200	PID	Product/Item Description	O	1			Used
1800	REF	Reference Identification (Packing List Number)	O	>1			Must use
1900	REF	Reference Identification (Shipment I.D. Number)	O	>1			Must use
2000	REF	Reference Identification (PO Number)	O	>1			Used
<b>LOOP ID - SAC</b>					<b>25</b>		<b>Used</b>
2800	SAC	Service, Promotion, Allowance, or Charge Information (Detail)	O	1			Used

**Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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0100	TDS	Total Monetary Value Summary	M	1		Must use
0200	TXI	Tax Information	O	10		Used
0300	CAD	Carrier Detail	O	1		Used
<b>LOOP ID - SAC</b>				<b>25</b>		<b>Used</b>
0600	SAC	Service, Promotion, Allowance, or Charge Information (Summary)	O	1		Used
1100	CTT	Transaction Totals	O	1	N3/1100	Must use
1200	SE	Transaction Set Trailer	M	1		Must use

**Not Defined:**

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

**Notes:**

3/1100 Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

**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 Industrial's business rules.*

**User Note 2:****Example 1 - DEPOT INVOICE – PO NUMBER AT THE HEADER LEVEL (BIG 04 FIELD)**

```
ISA*00*      *00*      *ZZ*TESTSUPPLIER *01*601943181 *180120*1703*U*00401*000144032*0*P*>
GS*IN*TESTSUPPLIER*601943181*20180120*1703*86960*X*004010
ST*810*86960
BIG*20180120*3177692**3633251234
CUR*BY*USD
REF*ZZ*CSCN
N1*SU*TESTSUPPLIER*92*CL123
N1*BT*SP NA*92*SN
N1*ST*RECEIVING CTR -- NORTH AM. PARTS *92*0036
N3*420 S ENTERPRISE BOULEVARD
N4*LEBANON*IN*46052*US
DTM*011*20180120
IT1*00010*5*EA*5.98*PE*BP*87750270
REF*PK*D463876
REF*SI*D463876
TDS*2990
CTT*1
SE*16*86960
GE*1*86960
IEA*1*000144032
```

**Example 2 - DEPOT INVOICE – UNIQUE PO NUMBER AT EACH LINE ITEM LEVEL (REF-PO SEGMENTS)**

```
ISA*00*      *00*      *ZZ*TESTSUPPLIER *01*601943181 *180120*1703*U*00401*000144032*0*P*>
GS*IN*TESTSUPPLIER*601943181*20180120*1703*86960*X*004010
ST*810*86960
BIG*20180120*3177692
```

CUR\*BY\*USD  
 REF\*ZZ\*CSCN  
 N1\*SU\*TESTSUPPLIER\*92\*CL123  
 N1\*BT\*SP NA\*92\*SN  
 N1\*ST\*RECEIVING CTR -- NORTH AM. PARTS \*92\*0036  
 N3\*420 S ENTERPRISE BOULEVARD  
 N4\*LEBANON\*IN\*46052\*US  
 DTM\*011\*20180120  
 IT1\*00010\*5\*EA\*5.98\*PE\*BP\*87750270  
 REF\*PK\*D463876  
 REF\*SI\*D463876  
 REF\*PO\*3633251234  
 IT1\*00010\*9\*EA\*7.00\*PE\*BP\*84298013  
 REF\*PK\*D463876  
 REF\*SI\* D463876  
 REF\*PO\*3633264321  
 TDS\*9290  
 CTT\*1  
 SE\*21\*86960  
 GE\*1\*86960  
 IEA\*1\*000144032

**Example 3 – DFS/SHIP DIRECT (DEALER) INVOICE - PO NUMBER AT THE HEADER LEVEL (BIG 04 FIELD)**

ISA\*00\* \*00\* \*ZZ\*TESTSUPPLIER \*01\*601943181 \*180201\*1801\*U\*00401\*000144377\*0\*P\*>  
 GS\*IN\*TESTSUPPLIER\*601943181\*20180201\*1801\*87127\*X\*004010  
 ST\*810\*87127  
 BIG\*20180201\*3178818\*\*0081081234  
 CUR\*BY\*USD  
 REF\*ZZ\*CSCN  
 N1\*SU\*TESTSUPPLIER\*92\*CL123  
 N1\*BT\*SP NA\*92\*SN  
 N1\*ST\*DEALER NAME\*92\*123456 001  
 N3\*123 45TH STREET  
 N4\*PHOENIX\*AZ\*85009\*US  
 DTM\*011\*20180201  
 IT1\*00010\*1\*EA\*1324.02\*PE\*BP\*84258173\*\*\*\*\*ZZ\*3391234  
 REF\*PK\*D465151  
 REF\*SI\*D465151  
 IT1\*00020\*1\*EA\*1400.03\*PE\*BP\*AF25491\*\*\*\*\*ZZ\*3391234  
 REF\*PK\*D465151  
 REF\*SI\*D465151  
 TDS\*272405  
 CTT\*1  
 SE\*19\*87127  
 GE\*1\*87127  
 IEA\*1\*000144377

# 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	<b>Authorization Information Qualifier</b> <b>Description:</b> Code to identify the type of information in the Authorization Information <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ISA02	I02	<b>Authorization Information</b> <b>Description:</b> 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	<b>Security Information Qualifier</b> <b>Description:</b> Code to identify the type of information in the Security Information <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ISA04	I04	<b>Security Information</b> <b>Description:</b> 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	<b>Interchange ID Qualifier</b> <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <b>All valid standard codes are used.</b>	M	ID	2/2	Must use
ISA06	I06	<b>Interchange Sender ID</b> <b>Description:</b> 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	<b>Interchange ID Qualifier</b> <b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	M	ID	2/2	Must use
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		01	Duns (Dun & Bradstreet)			

ISA08	I07	<b>Interchange Receiver ID</b> <b>Description:</b> 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 <b>User Note 1:</b> CNH ISA_08 Production ID: "601943181" CNH ISA_08 Test ID: "601943181TEST"	M	AN	15/15	Must use				
ISA09	I08	<b>Interchange Date</b> <b>Description:</b> Date of the interchange	M	DT	6/6	Must use				
ISA10	I09	<b>Interchange Time</b> <b>Description:</b> Time of the interchange	M	TM	4/4	Must use				
ISA11	I10	<b>Interchange Control Standards Identifier</b> <b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer <b>All valid standard codes are used.</b>	M	ID	1/1	Must use				
ISA12	I11	<b>Interchange Control Version Number</b> <b>Description:</b> Code specifying the version number of the interchange control segments <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>00401</td><td>Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997</td></tr></table>	<u>Code</u>	<u>Name</u>	00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	ID	5/5	Must use
<u>Code</u>	<u>Name</u>									
00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997									
ISA13	I12	<b>Interchange Control Number</b> <b>Description:</b> A control number assigned by the interchange sender	M	N0	9/9	Must use				
ISA14	I13	<b>Acknowledgment Requested</b> <b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1) <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>0</td><td>No Acknowledgment Requested</td></tr></table>	<u>Code</u>	<u>Name</u>	0	No Acknowledgment Requested	M	ID	1/1	Must use
<u>Code</u>	<u>Name</u>									
0	No Acknowledgment Requested									
ISA15	I14	<b>Usage Indicator</b> <b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information <b>All valid standard codes are used.</b>	M	ID	1/1	Must use				
ISA16	I15	<b>Component Element Separator</b> <b>Description:</b> 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	<b>Functional Identifier Code</b> <b>Description:</b> Code identifying a group of application related transaction sets	M	ID	2/2	Must use
		<b>Code</b> <b>Name</b> IN      Invoice Information (810,819)				
GS02	142	<b>Application Sender's Code</b> <b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS03	124	<b>Application Receiver's Code</b> <b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners	M	AN	2/15	Must use
		<b>User Note 1:</b> CNH GS_03 Production ID: "601943181" CNH GS_03 Test ID: "601943181TEST"				
GS04	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	M	DT	8/8	Must use
GS05	337	<b>Time</b> <b>Description:</b> 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	<b>Group Control Number</b> <b>Description:</b> Assigned number originated and maintained by the sender	M	N0	1/9	Must use
GS07	455	<b>Responsible Agency Code</b> <b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 <b>All valid standard codes are used.</b>	M	ID	1/2	Must use
GS08	480	<b>Version / Release / Industry Identifier Code</b> <b>Description:</b> Code indicating the version,	M	AN	1/12	Must use

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

<u>Code</u>	<u>Name</u>
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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Must use
		<b>Description:</b> Code uniquely identifying a Transaction Set				
		<u>Code</u>		<u>Name</u>		
		810		Invoice		
ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
		<b>Description:</b> 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).

# BIG Beginning Segment for Invoice

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

**User Option (Usage):** Must use

To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIG01	373	<b>Date</b>  <b>Description:</b> Date expressed as CCYYMMDD <b>User Note 1:</b> <i>Invoice Date</i>	M	DT	8/8	Must use
BIG02	76	<b>Invoice Number</b>  <b>Description:</b> Identifying number assigned by issuer <b>User Note 1:</b> <i>1) No leading spaces 2) If using alpha characters, please use UPPER CASE</i>	M	AN	1/16	Must use
BIG04	324	<b>Purchase Order Number</b>  <b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser <b>User Note 1:</b> <i>The value of this field should be mapped from the BEG_03 field of the 850 Purchase Order message.</i>  <u><b>NOTE:</b> If you are invoicing for only one PO Number, it is mandatory at this level in this BIG_04 field.</u>  <i>Omitted at this level if multiple PO Numbers are being invoiced.</i>  <i>If you are invoicing for "unique" multiple PO Numbers, submit each "unique" PO Number in an REF-PO segment at each detail line.</i>	O	AN	10/10	Used (See Note)
BIG05	328	<b>Release Number</b>  <b>Description:</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O	AN	1/30	Used

## Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 is the date assigned by the purchaser to purchase order.

3. BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

**Comments:**

1. BIG07 is used only to further define the type of invoice when needed.

**User Note 1:**

Example:

BIG\*20180120\*3177692\*\*3633251234

BIG\*20180120\*3177692

BIG\*20180131\*3178818\*\*0081081234

# CUR Currency

Pos: 0400	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

To specify the currency (dollars, pounds, francs, etc.) used in a transaction

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
CUR01	98	<b>Entity Identifier Code</b>  <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual  <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>BY</td><td>Buying Party (Purchaser)</td></tr></table>	<u>Code</u>	<u>Name</u>	BY	Buying Party (Purchaser)	M	ID	2/2	Must use
<u>Code</u>	<u>Name</u>									
BY	Buying Party (Purchaser)									
CUR02	100	<b>Currency Code</b>  <b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified  <b>User Note 1:</b> <i>This is a three-position alpha code from the ISO-4217 code list.</i>  <i>The primary codes used in North America are:</i> <i>CAD Canadian Dollars</i> <i>USD United States Dollars</i>  <i>Some other frequently used codes are:</i> <i>EUR Euro</i> <i>JPY Japanese Yen</i>	M	ID	3/3	Must use				

## Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

### Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

### User Note 1:

*Example:*  
*CUR\*BY\*USD~*

# REF Reference Identification (CSCN)

Pos: 0500	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

To specify identifying information

## Element Summary:

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

## 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*



# Loop N1

Pos: 0800	Repeat: 200
Optional	
Loop: N1	Elements: N/A

**User Option (Usage):** Must use

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0900	N1	Name (Supplier)	O	1		Must use
1000	N1	Name (Bill-To)	O	1		Must use
1100	N1	Name (Ship-To)	O	1		Must use
1300	N3	Address Information (Ship-To)	O	2		Used
1400	N4	Geographic Location (Ship-To)	O	1		Must use

# N1 Name (SU - Supplier)

Pos: 0900	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
N101	98	<b>Entity Identifier Code</b>  <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual  <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>SU</td><td>Supplier/Manufacturer</td></tr></table>	<u>Code</u>	<u>Name</u>	SU	Supplier/Manufacturer	M	ID	2/2	Must use
<u>Code</u>	<u>Name</u>									
SU	Supplier/Manufacturer									
N102	93	<b>Name</b>  <b>Description:</b> Free-form name <b>User Note 1:</b> <i>Your Supplier Name</i>	O	AN	1/35	Used				
N103	66	<b>Identification Code Qualifier</b>  <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)  <table><tr><td><u>Code</u></td><td><u>Name</u></td></tr><tr><td>92</td><td>Assigned by Buyer or Buyer's Agent</td></tr></table>	<u>Code</u>	<u>Name</u>	92	Assigned by Buyer or Buyer's Agent	M	ID	2/2	Must use
<u>Code</u>	<u>Name</u>									
92	Assigned by Buyer or Buyer's Agent									
N104	67	<b>Identification Code</b>  <b>Description:</b> Code identifying a party or other code <b>User Note 1:</b> <i>Your Supplier Code</i> <i>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.</i>	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\*SU\*TESTSUPPLIER\*92\*CL123*

# N1 Name (BT - Bill-To)

Pos: 1000	Max: 1
Heading - 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	<b>Entity Identifier Code</b>  <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual  <b>Code</b> <b>Name</b> BT              Bill-to-Party	M	ID	2/2	Must use
N102	93	<b>Name</b>  <b>Description:</b> Free-form name <b>User Note 1:</b> <i>Plant Name</i> <i>SP NA</i>  <i>This Plant Name is mapped from the N1_02 (with N1_01 = "BY") of the 850 message.</i>	O	AN	1/35	Used
N103	66	<b>Identification Code Qualifier</b>  <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)  <b>Code</b> <b>Name</b> 92              Assigned by Buyer or Buyer's Agent	M	ID	2/2	Must use
N104	67	<b>Identification Code</b>  <b>Description:</b> Code identifying a party or other code <b>User Note 1:</b> <i>Plant Code</i> <i>This Plant Code is mapped from the N1_04 (with N1_04 = "BY") of the 850 message, and it is required to be returned.</i> <i>SN - Service Parts (After Sales)</i> <i>See Example Below</i>	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\*BT\* SP NA\*92\*SN*

# N1 Name (ST - Ship-To)

Pos: 1100	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
N101	98	Entity Identifier Code	M	ID	2/2	Must use				
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual								
		<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>ST</td><td>Ship To</td></tr></table>	<u>Code</u>	<u>Name</u>	ST	Ship To				
<u>Code</u>	<u>Name</u>									
ST	Ship To									
N102	93	Name	M	AN	1/35	Must use				
		<b>Description:</b> Free-form name								
		<b>User Note 1:</b>								
		<u>Ship-To Name:</u>								
		CNH Industrial Depot or Dealer Name								
N103	66	Identification Code Qualifier	M	ID	2/2	Must use				
		<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)								
		<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>92</td><td>Assigned by Buyer or Buyer's Agent</td></tr></table>	<u>Code</u>	<u>Name</u>	92	Assigned by Buyer or Buyer's Agent				
<u>Code</u>	<u>Name</u>									
92	Assigned by Buyer or Buyer's Agent									
N104	67	Identification Code	M	AN	4/10	Must use				
		<b>Description:</b> Code identifying a party or other code								
		<b>User Note 1:</b>								
		<u>Ship-To Code (Depot or Dealer Code):</u>								
		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								

## 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:

### Examples:

#### For Depot Shipments:

N1\*ST\*RECEIVING CTR -- NORTH AM. PARTS\*92\*0036

#### For Ship Direct (Dealer) Shipments:

N1\*ST\*DEALER NAME\*92\*123456 001

# N3 Address Information (Ship-To)

Pos: 1300	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

To specify the location of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	<b>Address Information</b> <b>Description:</b> Address information <b>User Note 1:</b> <i>Ship-to Street Address</i>	M	AN	1/30	Must use
N302	166	<b>Address Information</b> <b>Description:</b> Address information <b>User Note 1:</b> <i>Ship-to Street Address continuation</i>	O	AN	1/30	Used

## User Note 1:

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

# N4 Geographic Location (Ship-To)

Pos: 1400	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Must Use

To specify the geographic place of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b> <b>Description:</b> Free-form text for city name <b>User Note 1:</b> <i>Ship-to City</i>	M	AN	2/30	Must Use
N402	156	<b>State or Province Code</b> <b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency <b>User Note 1:</b> <i>Ship-to State or Province</i>	M	ID	2/2	Must Use
N403	116	<b>Postal Code</b> <b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States) <b>User Note 1:</b> <i>Ship-to Zip Code</i>	M	ID	5/15	Must Use
N404	26	<b>Country Code</b> <b>Description:</b> Code identifying the country <b>User Note 1:</b> <i>Ship-to Country</i>	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

**ITD**

## Terms of Sale/Deferred Terms of Sale

Pos: 1800	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

**User Option (Usage):** Used

To specify terms of sale

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD03	338	<b>Terms Discount Percent</b> <b>Description:</b> Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	O	R	1/6	Used
ITD05	351	<b>Terms Discount Days Due</b> <b>Description:</b> Number of days in the terms discount period by which payment is due if terms discount is earned	X	N0	1/3	Used
ITD07	386	<b>Terms Net Days</b> <b>Description:</b> Number of days until total invoice amount is due (discount not applicable)	O	N0	1/3	Used

### Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

### Semantics:

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

### Comments:

1. If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

### User Note 1:

*Example:*  
*ITD\*\*\*0\*\*0\*\*45~*



# DTM Date/Time Reference (Ship)

Pos: 1900	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	<b>Date/Time Qualifier</b>	M	ID	3/3	Must use
<b>Description:</b> Code specifying type of date or time, or both date and time						
		<u>Code</u>		<u>Name</u>		
		011		Shipped		
DTM02	373	<b>Date</b>	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD						
<b>User Note 1:</b>						
<i>Date Shipped</i>						
<i>This date must match the date from DTM_02 (having DTM_01 = "011") of the corresponding ASN (856 message).</i>						

## 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

# Loop IT1

Pos: 0100	Repeat: 200000
Optional	
Loop: IT1	Elements: N/A

**User Option (Usage):** Must use

To specify the basic and most frequently used line item data for the invoice and related transactions

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0200	IT1	Baseline Item Data (Invoice)	O	1		Must use
0700	TXI	Tax Information	O	10		Used
1100		Loop PID	O		1000	Used
1800	REF	Reference Identification (Packing List)	O	>1		Must use
1900	REF	Reference Identification (Shipment I.D.)	O	>1		Used
2000	REF	Reference Identification (PO Number)	O	>1		Used
2700		Loop SAC	O		25	Used

**IT1****Baseline Item Data (Invoice)**

Pos: 0200	Max: 1
Detail - Optional	
Loop: IT1	Elements: 13

**User Option (Usage):** Must use

To specify the basic and most frequently used line item data for the invoice and related transactions

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>								
IT101	350	<b>Assigned Identification</b>  <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set <b>User Note 1:</b> <i>Purchase Order Line Number</i>	M	AN	5/5	Must use								
IT102	358	<b>Quantity Invoiced</b> <b>Description:</b> Number of units invoiced (supplier units) <b>User Note 1:</b> <i>CNH Industrial does not accept decimal quantities. Please round to the nearest whole number.</i>	M	R	1/10	Must use								
IT103	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>User Note 1:</b> <i>This should be the same Unit of Measure provided on the corresponding order document. This value is sent to you by CNH Industrial in the P01_03 of the 850 Purchase Order. Examples listed below.</i>  <i>EA                      Each PC                      Piece</i> <b>All valid standard codes are used.</b>	M	ID	2/2	Must use								
IT104	212	<b>Unit Price</b> <b>Description:</b> Price per unit of product, service, commodity, etc. <b>User Note 1:</b> <i>Maximum of three decimal places</i>	M	R	1/15	Must use								
IT105	639	<b>Basis of Unit Price Code</b> <b>Description:</b> Code identifying the type of unit price for an item  <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>HP</td><td>Price per Hundred</td></tr><tr><td>PE</td><td>Price per Each</td></tr><tr><td>TP</td><td>Price per Thousand</td></tr></table>	<u>Code</u>	<u>Name</u>	HP	Price per Hundred	PE	Price per Each	TP	Price per Thousand	M	ID	2/2	Must use
<u>Code</u>	<u>Name</u>													
HP	Price per Hundred													
PE	Price per Each													
TP	Price per Thousand													
IT106	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)  <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>BP</td><td>Buyer's Part Number</td></tr></table>	<u>Code</u>	<u>Name</u>	BP	Buyer's Part Number	M	ID	2/2	Must use				
<u>Code</u>	<u>Name</u>													
BP	Buyer's Part Number													

IT107	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service <b>User Note 1:</b> <i>CNH Industrial's Part Number</i>	M	AN	1/30	Must use
IT108	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)  <b>Code</b> <b>Name</b> VP              Vendor's (Seller's) Part Number	O	ID	2/2	Used
IT109	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service <b>User Note 1:</b> <i>Supplier's Part Number</i>	O	AN	1/30	Used
IT112	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)  <b>Code</b> <b>Name</b> ZZ              Mutually Defined  <b>User Note 1:</b> <i>MANDATORY FOR CNH INDUSTRIAL SERVICE PARTS NAFTA SHIP DIRECT DFS DEALER ORDERS (See IT113 Field Below).</i>	X	ID	2/2	Used
IT113	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service <b>User Note 1:</b>  <i>MANDATORY FOR CNH INDUSTRIAL SERVICE PARTS NAFTA SHIP DIRECT DFS (DEALER) 810s ONLY (NOT REQUIRED FOR DEPOT INVOICES).</i>  <i>The value that needs to be provided in this field is the Dealer Sales Order Number.</i>  <i>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 (see Example below).</i>	X	AN	7/7	Used
IT114	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)  <b>Code</b> <b>Name</b> SN              Serial Number	X	ID	2/2	Used
IT115	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service <b>User Note 1:</b>	X	AN	1/20	Used

*Supplier's Serial Number*  
*(Maximum characters allowed is 20)*  
*Some Ship Direct/DFS Suppliers are required to submit the part number's Serial Number.*  
*Note – If the PO quantity for the part is greater than 1, a separate PO line record must be sent for each part/serial number. For example, if the quantity for the part number is 2, then 2 lines would need to be submitted (see example below).*

### Syntax Rules:

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.
6. P1415 - If either IT114 or IT115 is present, then the other is required.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.
9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 is present, then the other is required.

### Semantics:

1. IT101 is the purchase order line item identification.

### Comments:

1. Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
2. IT106 through IT125 provide for ten 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:

For Depot Orders:

IT1\*00010\*5\*EA\*5.98\*PE\*BP\*87750270

For Ship Direct/DFS (Dealer) Orders:

IT1\*00010\*1\*EA\*1324.02\*PE\*BP\*84258173\*\*\*\*\*ZZ\*3391234

For Ship Direct/DFS (Dealer) Orders with Serial Number:

IT1\*00040\*1\*PC\*989.00\*PE\*BP\*48057623\*VP\*48057623\*\*\*ZZ\*4330999\*SN\*12345678901234567890  
 IT1\*00040\*1\*PC\*989.00\*PE\*BP\*48057623\*VP\*48057623\*\*\*ZZ\*4330999\*SN\*09876543210987654321

# TXI Tax Information

Pos: 0700	Max: 10
Detail - Optional	
Loop: IT1	Elements: 6

User Option (Usage): Used

To specify tax information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>								
TXI01	963	<b>Tax Type Code</b> <b>Description:</b> Code specifying the type of tax <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>GS</td><td>Goods and Services Tax</td></tr><tr><td>SP</td><td>State/Provincial Tax</td></tr><tr><td>SU</td><td>Sales and Use Tax</td></tr></table>	<u>Code</u>	<u>Name</u>	GS	Goods and Services Tax	SP	State/Provincial Tax	SU	Sales and Use Tax	M	ID	2/2	Must use
<u>Code</u>	<u>Name</u>													
GS	Goods and Services Tax													
SP	State/Provincial Tax													
SU	Sales and Use Tax													
TXI02	782	<b>Monetary Amount</b> <b>Description:</b> Monetary amount	X	R	1/18	Used								
TXI03	954	<b>Percent</b> <b>Description:</b> Percentage expressed as a decimal	X	R	1/10	Used								
TXI04	955	<b>Tax Jurisdiction Code Qualifier</b> <b>Description:</b> Code identifying the source of the data used in tax jurisdiction code <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>CD</td><td>Customer defined</td></tr><tr><td>VD</td><td>Vendor defined</td></tr></table>	<u>Code</u>	<u>Name</u>	CD	Customer defined	VD	Vendor defined	M	ID	2/2	Must use		
<u>Code</u>	<u>Name</u>													
CD	Customer defined													
VD	Vendor defined													
TXI05	956	<b>Tax Jurisdiction Code</b> <b>Description:</b> Code identifying the taxing jurisdiction <b>User Note 1:</b> GST Registration Number PST Exemption Number	M	AN	1/10	Must use								
TXI06	441	<b>Tax Exempt Code</b> <b>Description:</b> Code identifying exemption status from sales and use tax <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>1</td><td>Yes (Tax Exempt)</td></tr><tr><td>2</td><td>No (Not Tax Exempt)</td></tr></table>	<u>Code</u>	<u>Name</u>	1	Yes (Tax Exempt)	2	No (Not Tax Exempt)	X	ID	1/1	Used		
<u>Code</u>	<u>Name</u>													
1	Yes (Tax Exempt)													
2	No (Not Tax Exempt)													

## Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

**Semantics:**

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

# Loop PID

Pos: 1100	Repeat: 1000
Optional	
Loop: PID	Elements: N/A

**User Option (Usage):** Used

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1200	PID	Product/Item Description	O	1		Used



# PID Product/Item Description

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

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	<b>Item Description Type</b> <b>Description:</b> Code indicating the format of a description	M	ID	1/1	Must use
		<b>Code</b> <b>Name</b> F              Free-form				
PID05	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content <b>User Note 1:</b> CNH Industrial's Part Number Description	M	AN	1/35	Must use

## 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.

## User Note 1:

**Example:**  
**PID\*F\*\*\*\*LATCH~**

# REF Reference Identification (Packing List Number)

Pos: 1800	Max: >1
Detail - Optional	
Loop: IT1	Elements: 2

**User Option (Usage):** Must use

To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
REF01	128	<b>Reference Identification Qualifier</b>  <b>Description:</b> Code qualifying the Reference Identification	M	ID	2/2	Must use				
		<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>PK</td><td>Packing List Number</td></tr></table>	<u>Code</u>	<u>Name</u>	PK	Packing List Number				
<u>Code</u>	<u>Name</u>									
PK	Packing List Number									
REF02	127	<b>Reference Identification</b>  <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M	AN	1/15	Must use				
		<b>User Note 1:</b> <i>This Packing List number is used to verify the receipt and must match the value of the REF_02 having REF_01 = "PK" of the corresponding 856 transaction.</i>  <i>Constrains regarding this reference number:</i> <i>1) No leading spaces</i> <i>2) If using alpha characters, please use UPPER CASE</i>								

## 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\*PK\*D463876

# REF Reference Identification (Shipment I.D. Number)

Pos: 1900	Max: >1
Detail - Optional	
Loop: IT1	Elements: 2

**User Option (Usage):** Must Use

To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	<b>Reference Identification Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Code qualifying the Reference Identification				
		<b><u>Code</u></b>		<b><u>Name</u></b>		
		SI		Shipper's Identifying Number for Shipment (SID)		
REF02	127	<b>Reference Identification</b>	M	AN	1/15	Must use
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
		<b>User Note 1:</b>				
		<i>This Shipment ID number is used to verify receipt and must match the value from BSN_02 of the corresponding 856 transaction.</i>				

## 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\*SI\*D463876*

# REF Reference Identification (PO Number)

Pos: 2000	Max: >1
Detail - Optional	
Loop: IT1	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	M	ID	2/2	Must use

**Description:** Code qualifying the Reference Identification

Code	Name
PO	Purchase Order Number

REF02	127	Reference Identification	M	AN	10/10	Must use
-------	-----	--------------------------	---	----	-------	----------

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

### User Note 1:

The PO Number is mandatory either here at this line item level, or in the Header in the BIG\_04 field.

If you are invoicing for "unique" multiple PO Numbers, submit each "unique" PO Number at this level in this REF-PO segment for each detail line (see Example below).

Omitted at this level if only one PO Number is being invoiced.

## 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:

```
IT1*00010*5*EA*5.98*PE*BP*87750270
REF*PK*D463876
REF*SI*D463876
REF*PO*3633251234
IT1*00010*9*EA*7.00*PE*BP*84298013
REF*PK*D463876
REF*SI*D463876
REF*PO*3633264321
```

## Loop SAC (Detail)

Pos: 2700	Repeat: 25
Optional	
Loop: SAC	Elements: N/A

**User Option (Usage):** Used

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

### Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
2800	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

# SAC Service, Promotion, (Detail) Allowance, or Charge Information

Pos: 2800	Max: 1
Detail - Optional	
Loop: SAC	Elements: 9

User Option (Usage): Used

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage										
SAC01	248	<b>Allowance or Charge Indicator</b>  <b>Description:</b> Code which indicates an allowance or charge for the service specified  <table><tr><th>Code</th><th>Name</th></tr><tr><td>A</td><td>Allowance</td></tr><tr><td>C</td><td>Charge</td></tr></table>	Code	Name	A	Allowance	C	Charge	M	ID	1/1	Must use				
Code	Name															
A	Allowance															
C	Charge															
SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b>  <b>Description:</b> Code identifying the service, promotion, allowance, or charge  <table><tr><th>Code</th><th>Name</th></tr><tr><td>E970</td><td>Onetime Tooling</td></tr><tr><td>F150</td><td>Packaging Service</td></tr><tr><td>F650</td><td>Preparation</td></tr><tr><td>G530</td><td>Rework</td></tr></table>	Code	Name	E970	Onetime Tooling	F150	Packaging Service	F650	Preparation	G530	Rework	M	ID	4/4	Must use
Code	Name															
E970	Onetime Tooling															
F150	Packaging Service															
F650	Preparation															
G530	Rework															
SAC05	610	<b>Amount</b> <b>Description:</b> Monetary amount <b>User Note 1:</b> <i>2 implied decimal places</i>	M	N2	1/15	Must use										
SAC06	378	<b>Allowance/Charge Percent Qualifier</b>  <b>Description:</b> Code indicating on what basis allowance or charge percent is calculated  <table><tr><th>Code</th><th>Name</th></tr><tr><td>2</td><td>Item Net Cost</td></tr></table>	Code	Name	2	Item Net Cost	X	ID	1/1	Used						
Code	Name															
2	Item Net Cost															
SAC07	332	<b>Percent</b>  <b>Description:</b> Percent expressed as a percent	X	R	1/6	Used										
SAC08	118	<b>Rate</b>  <b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified	O	R	1/9	Used										
SAC09	355	<b>Unit or Basis for Measurement Code</b>  <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X	ID	2/2	Used										

**All valid standard codes are used.**

SAC10	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code indicating method of handling for an allowance or charge				
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		02	Off Invoice			
		06	Charge to be Paid by Customer			

**Syntax Rules:**

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 is required.

**Semantics:**

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

**Comments:**

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

**User Note 1:****Example:**

SAC\*C\*F150\*\*\*996\*\*\*\*EA\*3\*\*06~

# TDS Total Monetary Value Summary

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

**User Option (Usage):** Must use

To specify the total invoice discounts and amounts

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TDS01	610	<b>Amount</b> <b>Description:</b> Monetary amount <b>User Note 1:</b> <i>Total Invoice Amount - two implied decimal places</i>	M	N2	1/15	Must use

## Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
2. TDS02 indicates the amount upon which the terms discount amount is calculated.
3. TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
4. TDS04 indicates the total amount of terms discount.

## Comments:

1. TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

## User Note 1:

*Example:*  
*TDS\*2990*



# TXI Tax Information

Pos: 0200	Max: 10
Summary - Optional	
Loop: N/A	Elements: 6

User Option (Usage): Used

To specify tax information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>								
TXI01	963	<b>Tax Type Code</b>  <b>Description:</b> Code specifying the type of tax <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>GS</td><td>Goods and Services Tax</td></tr><tr><td>SP</td><td>State/Provincial Tax</td></tr><tr><td>SU</td><td>Sales and Use Tax</td></tr></table>	<u>Code</u>	<u>Name</u>	GS	Goods and Services Tax	SP	State/Provincial Tax	SU	Sales and Use Tax	M	ID	2/2	Must use
<u>Code</u>	<u>Name</u>													
GS	Goods and Services Tax													
SP	State/Provincial Tax													
SU	Sales and Use Tax													
TXI02	782	<b>Monetary Amount</b> <b>Description:</b> Monetary amount	X	R	1/18	Used								
TXI03	954	<b>Percent</b> <b>Description:</b> Percentage expressed as a decimal	X	R	1/10	Used								
TXI04	955	<b>Tax Jurisdiction Code Qualifier</b> <b>Description:</b> Code identifying the source of the data used in tax jurisdiction code <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>CD</td><td>Customer defined</td></tr><tr><td>VD</td><td>Vendor defined</td></tr></table>	<u>Code</u>	<u>Name</u>	CD	Customer defined	VD	Vendor defined	M	ID	2/2	Must use		
<u>Code</u>	<u>Name</u>													
CD	Customer defined													
VD	Vendor defined													
TXI05	956	<b>Tax Jurisdiction Code</b> <b>Description:</b> Code identifying the taxing jurisdiction <b>User Note 1:</b> GST REGISTRATION NUMBER PST EXEMPTION NUMBER	M	AN	1/10	Must use								
TXI06	441	<b>Tax Exempt Code</b> <b>Description:</b> Code identifying exemption status from sales and use tax <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>1</td><td>Yes (Tax Exempt)</td></tr><tr><td>2</td><td>No (Not Tax Exempt)</td></tr></table>	<u>Code</u>	<u>Name</u>	1	Yes (Tax Exempt)	2	No (Not Tax Exempt)	X	ID	1/1	Used		
<u>Code</u>	<u>Name</u>													
1	Yes (Tax Exempt)													
2	No (Not Tax Exempt)													

## Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

**Semantics:**

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

# CAD Carrier Detail

Pos: 0300	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Used

To specify transportation details for the transaction

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CAD04	140	<b>Standard Carrier Alpha Code</b>	M	ID	2/4	Must use
<b>Description:</b> Standard Carrier Alpha Code <b>User Note 1:</b> <i>For Service Parts</i> <i>"UPS" (United Parcel Service)</i> <i>Mandatory for UPS Freight Charges</i>						

## Syntax Rules:

1. R0504 - At least one of CAD05 or CAD04 is required.
2. C0708 - If CAD07 is present, then CAD08 is required.

## Loop SAC (Summary)

Pos: 0500	Repeat: 25
Optional	
Loop: SAC	Elements: N/A

**User Option (Usage):** Used

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

### Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0600	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

# SAC Service, Promotion, (Summary) Allowance, or Charge Information

Pos: 0600 Max: 1  
Summary - Optional  
Loop: SAC Elements: 9

User Option (Usage): Used

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																																
SAC01	248	<b>Allowance or Charge Indicator</b>  <b>Description:</b> Code which indicates an allowance or charge for the service specified  <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>A</td><td>Allowance</td></tr><tr><td>C</td><td>Charge</td></tr></table>	<u>Code</u>	<u>Name</u>	A	Allowance	C	Charge	M	ID	1/1	Must use																										
<u>Code</u>	<u>Name</u>																																					
A	Allowance																																					
C	Charge																																					
SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b>  <b>Description:</b> Code identifying the service, promotion, allowance, or charge  <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>A880</td><td>Cancellation Charge</td></tr><tr><td>C680</td><td>Environmental Protection Services</td></tr><tr><td>C880</td><td>Expediting Premium</td></tr><tr><td>D240</td><td>Freight</td></tr><tr><td>D500</td><td>Handling</td></tr><tr><td>D530</td><td>Hazardous Cargo Charge</td></tr><tr><td>E190</td><td>Labor Charges</td></tr><tr><td>F180</td><td>Pallet</td></tr><tr><td>G470</td><td>Restocking Charge</td></tr><tr><td>G510</td><td>Returnable Container</td></tr><tr><td>G970</td><td>Small Order Charge</td></tr><tr><td>H340</td><td>State Surcharge</td></tr><tr><td>H550</td><td>Surcharge</td></tr><tr><td>I100</td><td>Tooling Rework Charge</td></tr><tr><td>I530</td><td>Volume Discount</td></tr></table>	<u>Code</u>	<u>Name</u>	A880	Cancellation Charge	C680	Environmental Protection Services	C880	Expediting Premium	D240	Freight	D500	Handling	D530	Hazardous Cargo Charge	E190	Labor Charges	F180	Pallet	G470	Restocking Charge	G510	Returnable Container	G970	Small Order Charge	H340	State Surcharge	H550	Surcharge	I100	Tooling Rework Charge	I530	Volume Discount	M	ID	4/4	Must use
<u>Code</u>	<u>Name</u>																																					
A880	Cancellation Charge																																					
C680	Environmental Protection Services																																					
C880	Expediting Premium																																					
D240	Freight																																					
D500	Handling																																					
D530	Hazardous Cargo Charge																																					
E190	Labor Charges																																					
F180	Pallet																																					
G470	Restocking Charge																																					
G510	Returnable Container																																					
G970	Small Order Charge																																					
H340	State Surcharge																																					
H550	Surcharge																																					
I100	Tooling Rework Charge																																					
I530	Volume Discount																																					
SAC05	610	<b>Amount</b>  <b>Description:</b> Monetary amount	M	N2	1/15	Must use																																
SAC06	378	<b>Allowance/Charge Percent Qualifier</b>  <b>Description:</b> Code indicating on what basis allowance or charge percent is calculated  <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>2</td><td>Item Net Cost</td></tr></table>	<u>Code</u>	<u>Name</u>	2	Item Net Cost	X	ID	1/1	Used																												
<u>Code</u>	<u>Name</u>																																					
2	Item Net Cost																																					
SAC07	332	<b>Percent</b>	X	R	1/6	Used																																

		<b>Description:</b> Percent expressed as a percent				
SAC08	118	<b>Rate</b>	O	R	1/9	Used
		<b>Description:</b> Rate expressed in the standard monetary denomination for the currency specified				
SAC09	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>				
SAC10	380	<b>Quantity</b>	X	R	1/15	Used
		<b>Description:</b> Numeric value of quantity				
SAC12	331	<b>Allowance or Charge Method of Handling Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code indicating method of handling for an allowance or charge				
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		02	Off Invoice			
		06	Charge to be Paid by Customer			

**Syntax Rules:**

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 is required.

**Semantics:**

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

**Comments:**

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" -

Dollars in SAC09.

**User Note 1:**

Example:

SAC\*C\*D240\*\*\*705\*\*\*\*\*06

SAC\*C\*H550\*\*\*570\*\*\*\*\*06

# CTT Transaction Totals

Pos: 1100	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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	N0	1/6	Must use
<b>Description:</b> 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.

## User Note 1:

*Example:*  
CTT\*1~



**SE****Transaction Set Trailer**

Pos: 1200	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:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b> <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	<b>Transaction Set Control Number</b> <b>Description:</b> 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	<b>Number of Transaction Sets Included</b> <b>Description:</b> 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	<b>Group Control Number</b> <b>Description:</b> 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:

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