

# **JR Simplot Agribusiness - 810 Invoice**

X12/V4010/810: 810 Invoice

**Version: 1.0 Final**

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<b>Publication:</b>	10/7/2013
<b>Trading Partner:</b>	
<b>Modified:</b>	11/25/2009
<b>Current:</b>	10/7/2013
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# 810 Invoice

**Functional Group=IN**

**Purpose:** 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>
	ISA	Interchange Control Header	M	1			Must use
	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>
010	ST	Transaction Set Header	M	1			Must use
020	BIG	Beginning Segment for Invoice	M	1			Must use
030	NTE	Note/Special Instruction	O	100			Used
040	CUR	Currency	O	1			Used
050	REF	Reference Identification	M	12			Must use
050	REF	Reference Identification	O	12			Used

**LOOP ID - N1****200**

070	N1	Name	O	1			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used
070	N1	Name	M	1			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used
070	N1	Name	O	1			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used
070	N1	Name	O	1			Used

130	ITD	Terms of Sale/Deferred Terms of Sale	M	>1			Must use
140	DTM	Date/Time Reference	O	10			Used
150	FOB	F.O.B. Related Instructions	O	1			Used
160	PID	Product/Item Description	O	200			Used

**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>		
010	IT1	Baseline Item Data (Invoice)	M	1			Must use
040	TXI	Tax Information	O	10			Used
059	MEA	Measurements	O	40			Used

**LOOP ID - PID****1000**

060	PID	Product/Item Description	O	1			Used
120	REF	Reference Identification	M	>1			Must use
150	DTM	Date/Time Reference	O	10			Used

**LOOP ID - SLN****1000**

200	SLN	Subline Item Detail	O	1			Used
205	DTM	Date/Time Reference	O	1			Used
210	REF	Reference Identification	O	>1			Used
220	PID	Product/Item Description	O	1000			Used
230	SAC	Service, Promotion, Allowance, or Charge Information	O	25			Used

<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>
235	TC2	Commodity	O	2			Used
237	TXI	Tax Information	O	10			Used
<b>LOOP ID - N1</b>					<b>200</b>		
240	N1	Name	O	1			Used
250	N2	Additional Name Information	O	2			Used
260	N3	Address Information	O	2			Used
270	N4	Geographic Location	O	1			Used
280	REF	Reference Identification	O	12			Used
290	PER	Administrative Communications Contact	O	3			Used
295	DMG	Demographic Information	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>
010	TDS	Total Monetary Value Summary	M	1			Must use
020	TXI	Tax Information	O	10			Used
030	CAD	Carrier Detail	O	1			Used
<b>LOOP ID - SAC</b>					<b>25</b>		
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
070	CTT	Transaction Totals	O	1		N3/070	Used
080	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>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

**Notes:**

3/070 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.

# ISA Interchange Control Header

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

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

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
ISA01	I01	<b>Authorization Information Qualifier</b>	M	ID	2/2	Must use	1
<p><b>Description:</b> Code to identify the type of information in the Authorization Information</p> <p><b>CodeList Summary</b> (Total Codes: 7, Included: 1)</p> <p><b>Code Name</b></p> <p>00 No Authorization Information Present (No Meaningful Information in I02)</p>							
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	Must use	1
<p><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)</p>							
ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	Must use	1
<p><b>Description:</b> Code to identify the type of information in the Security Information</p> <p><b>CodeList Summary</b> (Total Codes: 2, Included: 1)</p> <p><b>Code Name</b></p> <p>00 No Security Information Present (No Meaningful Information in I04)</p>							
ISA04	I04	<b>Security Information</b>	M	AN	10/10	Must use	1
<p><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)</p>							
ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use	1
<p><b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p>							
ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	Must use	1
<p><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</p>							
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use	1
<p><b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p> <p><b>CodeList Summary</b> (Total Codes: 38, Included: 4)</p>							

**Code Name**

01 Duns (Dun & Bradstreet)  
 08 UCC EDI Communications ID (Comm ID)  
 12 Phone (Telephone Companies)  
 ZZ Mutually Defined

ISA08 I07 **Interchange Receiver ID** M AN 15/15 Must use 1

**Description:** Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them

ISA09 I08 **Interchange Date** M DT 6/6 Must use 1

**Description:** Date of the interchange

ISA10 I09 **Interchange Time** M TM 4/4 Must use 1

**Description:** Time of the interchange

ISA11 I10 **Interchange Control Standards Identifier** M ID 1/1 Must use 1

**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.  
 (Total Codes: 1)**

ISA12 I11 **Interchange Control Version Number** M ID 5/5 Must use 1

**Description:** Code specifying the version number of the interchange control segments

**CodeList Summary (Total Codes: 14, Included: 1)**

**Code Name**

00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997

ISA13 I12 **Interchange Control Number** M N0 9/9 Must use 1

**Description:** A control number assigned by the interchange sender

ISA14 I13 **Acknowledgment Requested** M ID 1/1 Must use 1

**Description:** Code sent by the sender to request an interchange acknowledgment (TA1)

**CodeList Summary (Total Codes: 2, Included: 1)**

**Code Name**

0 No Acknowledgment Requested

ISA15 I14 **Usage Indicator** M ID 1/1 Must use 1

**Description:** Code to indicate whether data enclosed by this interchange envelope is test, production or information

**CodeList Summary (Total Codes: 3, Included: 2)**

**Code Name**

P Production Data

**Code Name**

T Test Data

ISA16	I15	<b>Component Element Separator</b>	M	1/1	Must use	1
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**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

# GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

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

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	Must use	1
<p><b>Description:</b> Code identifying a group of application related transaction sets</p> <p><b>CodeList Summary</b> (Total Codes: 240, Included: 1)</p> <p><b>Code Name</b></p> <p>IN Invoice Information (810,819)</p>							
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use	1
<p><b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners</p>							
GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use	1
<p><b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners</p>							
GS04	373	<b>Date</b>	M	DT	8/8	Must use	1
<p><b>Description:</b> Date expressed as CCYYMMDD</p>							
GS05	337	<b>Time</b>	M	TM	4/8	Must use	1
<p><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)</p>							
GS06	28	<b>Group Control Number</b>	M	N0	1/9	Must use	1
<p><b>Description:</b> Assigned number originated and maintained by the sender</p>							
GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use	1
<p><b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480</p> <p><b>CodeList Summary</b> (Total Codes: 2, Included: 1)</p> <p><b>Code Name</b></p> <p>X Accredited Standards Committee X12</p>							
GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use	1
<p><b>Description:</b> 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</p>							

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
		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					

**CodeList Summary** (Total Codes: 39, Included: 1)**Code   Name**

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

# ST Transaction Set Header

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

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

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
ST01	143	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Must use	1
		<b>Description:</b> Code uniquely identifying a Transaction Set					
		<b>CodeList Summary</b> (Total Codes: 298, Included: 1)					
		<b>Code Name</b>					
		810 Invoice					
ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use	1
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set					

**BIG Beginning Segment for Invoice**

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

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

**Purpose:** 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>	<u>Rep</u>
BIG01	373	<b>Date</b>	M	DT	8/8	Must use	1
		<b>Description:</b> Date expressed as CCYYMMDD					
BIG02	76	<b>Invoice Number</b>	M	AN	1/22	Must use	1
		<b>Description:</b> Identifying number assigned by issuer					
BIG03	373	<b>Date</b>	O	DT	8/8	Used	1
		<b>Description:</b> Date expressed as CCYYMMDD					
BIG04	324	<b>Purchase Order Number</b>	M	AN	1/22	Must use	1
		<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser					
BIG07	640	<b>Transaction Type Code</b>	M	ID	2/2	Must use	1
		<b>Description:</b> Code specifying the type of transaction					
		<b>CodeList Summary</b> (Total Codes: 446, Included: 2)					
		<b><u>Code</u></b>	<b><u>Name</u></b>				
		CN	Credit Invoice				
		DI	Debit Invoice				

# NTE Note/Special Instruction

Pos: 030	Max: 100
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction

## 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>	<u>Rep</u>
NTE01	363	Note Reference Code	O	ID	3/3	Used	1

**Description:** Code identifying the functional area or purpose for which the note applies

**CodeList Summary** (Total Codes: 241, Included: 1)

**Code Name**

INV Invoice Instruction

NTE02	352	Description	M	AN	1/80	Must use	1
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**Description:** A free-form description to clarify the related data elements and their content

**User Note 1:** *The perishable agricultural commodities listed on this invoice are sold subject to the statutory trust authorized by section 5(c) of the Perishable Agricultural Commodities Act, 1930 (7U.S.C. 499e(c)). The seller of these commodities retains a trust claim over these commodities, all inventories of food or other products derived from these commodities and any receivables or proceeds from the sale of these commodities until full payment is received." In the event collection action becomes necessary, Buyer agrees to pay all costs of collection, including attorneys' fees.*

# CUR Currency

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
CUR01	98	<b>Entity Identifier Code</b>	M	ID	2/3	Must use	1
<p><b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual</p> <p><b>CodeList Summary</b> (Total Codes: 1312, Included: 1)</p> <p><b>Code Name</b></p> <p>BY Buying Party (Purchaser)</p>							
CUR02	100	<b>Currency Code</b>	M	ID	3/3	Must use	1
<p><b>Description:</b> Code (Standard ISO) for country in whose currency the charges are specified</p> <p><b>User Note 1:</b> USD</p>							

# REF Reference Identification

Pos: 050	Max: 12
Heading - Mandatory	
Loop: N/A	Elements: 2

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

**Purpose:** 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>	<u>Rep</u>
REF01	128	Reference Identification Qualifier	O	ID	2/3	Used	1

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1503, Included: 1)

**Code Name**

CR Customer Reference Number

REF02	127	Reference Identification	X	AN	1/30	Used	1
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**User Note 1:** *Simplot account number*

# REF Reference Identification

Pos: 050	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: 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>	<u>Rep</u>
REF01	128	Reference Identification Qualifier	O	ID	2/3	Used	1
		<p><b>Description:</b> Code qualifying the Reference Identification</p> <p><b>CodeList Summary</b> (Total Codes: 1503, Included: 1)</p> <p><b>Code Name</b></p> <p>VN Vendor Order Number</p>					
REF02	127	Reference Identification	X	AN	1/30	Used	1
		<p><b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</p>					

# N1 Name

<b>Pos: 070</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3	Must use	1
<p><b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual</p> <p><b>CodeList Summary</b> (Total Codes: 1312, Included: 1)</p> <p><b>Code Name</b></p> <p>BT Bill-to-Party</p>							
N102	93	<b>Name</b>	X	AN	1/60	Used	1
<p><b>Description:</b> Free-form name</p>							
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used	1
<p><b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)</p> <p><b>CodeList Summary</b> (Total Codes: 215, Included: 1)</p> <p><b>Code Name</b></p> <p>9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix</p>							
N104	67	<b>Identification Code</b>	X	AN	2/80	Used	1
<p><b>Description:</b> Code identifying a party or other code</p>							

# N3 Address Information

Pos: 090	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
N301	166	<b>Address Information</b>	M	AN	1/55	Must use	1
		<b>Description:</b> Address information					
N302	166	<b>Address Information</b>	O	AN	1/55	Used	1
		<b>Description:</b> Address information					

# N4 Geographic Location

Pos: 100	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
N401	19	<b>City Name</b>	O	AN	2/30	Used	1
		<b>Description:</b> Free-form text for city name					
N402	156	<b>State or Province Code</b>	O	ID	2/2	Used	1
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency					
N403	116	<b>Postal Code</b>	O	ID	3/15	Used	1
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)					

# N1 Name

<b>Pos: 070</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3	Must use	1
<p><b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual</p> <p><b>CodeList Summary</b> (Total Codes: 1312, Included: 1)</p> <p><b>Code Name</b> ST Ship To</p>							
N102	93	<b>Name</b>	X	AN	1/60	Used	1
<p><b>Description:</b> Free-form name</p> <p><b>User Note 1:</b> J. R. SIMPLOT COMPANY</p>							
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used	1
<p><b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)</p> <p><b>CodeList Summary</b> (Total Codes: 215, Included: 1)</p> <p><b>Code Name</b> 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix</p>							
N104	67	<b>Identification Code</b>	X	AN	2/80	Used	1
<p><b>Description:</b> Code identifying a party or other code</p> <p><b>User Note 1:</b> Customer number assigned to you by Simplot.</p>							

# N3 Address Information

Pos: 090	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
N301	166	<b>Address Information</b>	M	AN	1/55	Must use	1
		<b>Description:</b> Address information					
N302	166	<b>Address Information</b>	O	AN	1/55	Used	1
		<b>Description:</b> Address information					

# N4 Geographic Location

Pos: 100	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
N401	19	<b>City Name</b>	O	AN	2/30	Used	1
		<b>Description:</b> Free-form text for city name					
N402	156	<b>State or Province Code</b>	O	ID	2/2	Used	1
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency					
N403	116	<b>Postal Code</b>	O	ID	3/15	Used	1
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)					

**N1 Name**

<b>Pos: 070</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used**Purpose:** 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>	<u>Rep</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3	Must use	1
<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual							
<b>CodeList Summary</b> (Total Codes: 1312, Included: 1)							
<b>Code Name</b>							
RE Party to receive commercial invoice remittance							
N102	93	<b>Name</b>	X	AN	1/60	Used	1
<b>Description:</b> Free-form name							
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used	1
<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)							
<b>CodeList Summary</b> (Total Codes: 215, Included: 1)							
<b>Code Name</b>							
9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix							
N104	67	<b>Identification Code</b>	X	AN	2/80	Used	1
<b>Description:</b> Code identifying a party or other code							
<b>User Note 1:</b> "0377912820000"							

# N3 Address Information

Pos: 090	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
N301	166	<b>Address Information</b>	M	AN	1/55	Must use	1
		<b>Description:</b> Address information					
N302	166	<b>Address Information</b>	O	AN	1/55	Used	1
		<b>Description:</b> Address information					

# N4 Geographic Location

Pos: 100	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
N401	19	<b>City Name</b>	O	AN	2/30	Used	1
		<b>Description:</b> Free-form text for city name					
N402	156	<b>State or Province Code</b>	O	ID	2/2	Used	1
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency					
N403	116	<b>Postal Code</b>	O	ID	3/15	Used	1
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)					

**N1 Name**

<b>Pos: 070</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used**Purpose:** 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>	<u>Rep</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3	Must use	1
<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual							
<b>CodeList Summary</b> (Total Codes: 1312, Included: 1)							
<b>Code Name</b>							
SF Ship From							
N102	93	<b>Name</b>	X	AN	1/60	Used	1
<b>Description:</b> Free-form name							
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used	1
<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)							
<b>CodeList Summary</b> (Total Codes: 215, Included: 1)							
<b>Code Name</b>							
92 Assigned by Buyer or Buyer's Agent							
N104	67	<b>Identification Code</b>	X	AN	2/80	Used	1
<b>Description:</b> Code identifying a party or other code							
<b>User Note 1:</b> JR Simplot JD Edwards Address Book Number							

# ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: >1
Heading - Mandatory	
Loop: N/A	Elements: 8

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

**Purpose:** 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>	<u>Rep</u>
ITD01	336	<b>Terms Type Code</b>	O	ID	2/2	Used	1
<b>Description:</b> Code identifying type of payment terms							
<b>CodeList Summary</b> (Total Codes: 65, Included: 2)							
<b>Code Name</b>							
01 Basic							
05 Discount Not Applicable							
ITD02	333	<b>Terms Basis Date Code</b>	O	ID	1/2	Used	1
<b>Description:</b> Code identifying the beginning of the terms period							
<b>CodeList Summary</b> (Total Codes: 17, Included: 1)							
<b>Code Name</b>							
3 Invoice Date							
ITD03	338	<b>Terms Discount Percent</b>	O	R	1/6	Used	1
<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							
ITD04	370	<b>Terms Discount Due Date</b>	X	DT	8/8	Used	1
<b>Description:</b> Date payment is due if discount is to be earned expressed in format CCYYMMDD							
ITD05	351	<b>Terms Discount Days Due</b>	X	N0	1/3	Used	1
<b>Description:</b> Number of days in the terms discount period by which payment is due if terms discount is earned							
ITD06	446	<b>Terms Net Due Date</b>	O	DT	8/8	Used	1
<b>Description:</b> Date when total invoice amount becomes due expressed in format CCYYMMDD							
ITD07	386	<b>Terms Net Days</b>	O	N0	1/3	Used	1
<b>Description:</b> Number of days until total invoice amount is due (discount not applicable)							
ITD08	362	<b>Terms Discount Amount</b>	O	N2	1/10	Used	1
<b>Description:</b> Total amount of terms discount							

# DTM Date/Time Reference

Pos: 140	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
DTM01	374	<b>Date/Time Qualifier</b>	M	ID	3/3	Must use	1
		<b>Description:</b> Code specifying type of date or time, or both date and time					
		<b>CodeList Summary</b> (Total Codes: 1112, Included: 1)					
		<b>Code Name</b>					
		011 Shipped					
DTM02	373	<b>Date</b>	X	DT	8/8	Used	1
		<b>Description:</b> Date expressed as CCYYMMDD					

# FOB F.O.B. Related Instructions

Pos: 150	Max: 1
Heading - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify transportation instructions relating to shipment

## 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>	<u>Rep</u>
FOB01	146	Shipment Method of Payment	M	ID	2/2	Must use	1

**Description:** Code identifying payment terms for transportation charges

**CodeList Summary** (Total Codes: 28, Included: 3)

**Code Name**

CC	Collect
PB	Customer Pick-up/Backhaul
PP	Prepaid (by Seller)

# PID Product/Item Description

Pos: 160	Max: 200
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
PID01	349	<b>Item Description Type</b>	M	ID	1/1	Must use	1
		<b>Description:</b> Code indicating the format of a description					
		<b>CodeList Summary</b> (Total Codes: 3, Included: 1)					
		<b>Code Name</b>					
		F Free-form					
PID05	352	<b>Description</b>	X	AN	1/80	Used	1
		<b>Description:</b> A free-form description to clarify the related data elements and their content					

## Syntax Rules:

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

## Semantics:

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

## Comments:

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

# IT1 Baseline Item Data (Invoice)

Pos: 010	Max: 1
Detail - Mandatory	
Loop: IT1	Elements: 9

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

**Purpose:** 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>	<u>Rep</u>
IT101	350	<b>Assigned Identification</b>	O	AN	1/20	Used	1
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set					
IT102	358	<b>Quantity Invoiced</b>	X	R	1/10	Used	1
		<b>Description:</b> Number of units invoiced (supplier units)					
IT103	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used	1
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		<b>CodeList Summary</b> (Total Codes: 794, Included: 3)					
		<b><u>Code</u> <u>Name</u></b>					
		CA Case					
		LB Pound					
		TN Net Ton (2,000 LB).					
IT104	212	<b>Unit Price</b>	X	R	1/17	Used	1
		<b>Description:</b> Price per unit of product, service, commodity, etc.					
IT105	639	<b>Basis of Unit Price Code</b>	O	ID	2/2	Used	1
		<b>Description:</b> Code identifying the type of unit price for an item					
		<b>CodeList Summary</b> (Total Codes: 91, Included: 1)					
		<b><u>Code</u> <u>Name</u></b>					
		PE Price per Each					
IT106	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Must use	1
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
		<b>CodeList Summary</b> (Total Codes: 477, Included: 2)					
		<b><u>Code</u> <u>Name</u></b>					
		BP Buyer's Part Number					
		VN Vendor's (Seller's) Item Number					
IT107	234	<b>Product/Service ID</b>	X	AN	1/48	Must use	1
		<b>Description:</b> Identifying number for a product or service					
IT108	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
<b>CodeList Summary</b> (Total Codes: 477, Included: 1)							
<b>Code Name</b>							
VC Vendor's (Seller's) Catalog Number							
IT109	234	<b>Product/Service ID</b>	X	AN	1/48	Used	1
<b>Description:</b> Identifying number for a product or service							

# TXI Tax Information

Pos: 040	Max: 10
Detail - Optional	
Loop: IT1	Elements: 10

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
TXI01	963	<b>Tax Type Code</b>	M	ID	2/2	Must use	1
		<b>Description:</b> Code specifying the type of tax <b>All valid standard codes are used.</b> <b>(Total Codes: 74)</b>					
TXI02	782	<b>Monetary Amount</b>	X	R	1/18	Used	1
		<b>Description:</b> Monetary amount					
TXI03	954	<b>Percent</b>	X	R	1/10	Used	1
		<b>Description:</b> Percentage expressed as a decimal					
TXI04	955	<b>Tax Jurisdiction Code Qualifier</b>	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the source of the data used in tax jurisdiction code <b>All valid standard codes are used.</b> <b>(Total Codes: 3)</b>					
TXI05	956	<b>Tax Jurisdiction Code</b>	X	AN	1/10	Used	1
		<b>Description:</b> Code identifying the taxing jurisdiction					
TXI06	441	<b>Tax Exempt Code</b>	X	ID	1/1	Used	1
		<b>Description:</b> Code identifying exemption status from sales and use tax <b>All valid standard codes are used.</b> <b>(Total Codes: 34)</b>					
TXI07	662	<b>Relationship Code</b>	O	ID	1/1	Used	1
		<b>Description:</b> Code indicating the relationship between entities <b>All valid standard codes are used.</b> <b>(Total Codes: 5)</b>					
TXI08	828	<b>Dollar Basis For Percent</b>	O	R	1/9	Used	1
		<b>Description:</b> Dollar basis to be used in the percent calculation of the allowance, charge or tax					
TXI09	325	<b>Tax Identification Number</b>	O	AN	1/20	Used	1
		<b>Description:</b> Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number					
TXI10	350	<b>Assigned Identification</b>	O	AN	1/20	Used	1
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
		transaction set					

**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.

# MEA Measurements

Pos: 059	Max: 40
Detail - Optional	
Loop: IT1	Elements: 10

**User Option (Usage):** Used

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

## 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>	<u>Rep</u>
MEA01	737	<b>Measurement Reference ID Code</b>	O	ID	2/2	Used	1
		<b>Description:</b> Code identifying the broad category to which a measurement applies <b>All valid standard codes are used. (Total Codes: 152)</b>					
MEA02	738	<b>Measurement Qualifier</b>	O	ID	1/3	Used	1
		<b>Description:</b> Code identifying a specific product or process characteristic to which a measurement applies <b>All valid standard codes are used. (Total Codes: 920)</b>					
MEA03	739	<b>Measurement Value</b>	X	R	1/20	Used	1
		<b>Description:</b> The value of the measurement					
MEA04	C001	<b>Composite Unit of Measure</b>	X	Comp		Used	1
		<b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)					
MEA04-01	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use	1
		<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. (Total Codes: 794)</b>					
MEA04-02	1018	<b>Exponent</b>	O	R	1/15	Used	1
		<b>Description:</b> Power to which a unit is raised					
MEA04-03	649	<b>Multiplier</b>	O	R	1/10	Used	1
		<b>Description:</b> Value to be used as a multiplier to obtain a new value					
MEA04-04	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Used	1
		<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. (Total Codes: 794)</b>					
MEA04-05	1018	<b>Exponent</b>	O	R	1/15	Used	1
		<b>Description:</b> Power to which a unit is raised					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
MEA04-06	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used	1
MEA04-07	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>All valid standard codes are used. (Total Codes: 794)</b>	O	ID	2/2	Used	1
MEA04-08	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised	O	R	1/15	Used	1
MEA04-09	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used	1
MEA04-10	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>All valid standard codes are used. (Total Codes: 794)</b>	O	ID	2/2	Used	1
MEA04-11	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised	O	R	1/15	Used	1
MEA04-12	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used	1
MEA04-13	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>All valid standard codes are used. (Total Codes: 794)</b>	O	ID	2/2	Used	1
MEA04-14	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised	O	R	1/15	Used	1
MEA04-15	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used	1
MEA05	740	<b>Range Minimum</b> <b>Description:</b> The value specifying the minimum of the measurement range	X	R	1/20	Used	1
MEA06	741	<b>Range Maximum</b> <b>Description:</b> The value specifying the maximum of the measurement range	X	R	1/20	Used	1

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
MEA07	935	<b>Measurement Significance Code</b>  <b>Description:</b> Code used to benchmark, qualify or further define a measurement value <b>All valid standard codes are used. (Total Codes: 96)</b>	O	ID	2/2	Used	1
MEA08	936	<b>Measurement Attribute Code</b>  <b>Description:</b> Code used to express an attribute response when a numeric measurement value cannot be determined <b>All valid standard codes are used. (Total Codes: 45)</b>	X	ID	2/2	Used	1
MEA09	752	<b>Surface/Layer/Position Code</b>  <b>Description:</b> Code indicating the product surface, layer or position that is being described <b>All valid standard codes are used. (Total Codes: 101)</b>	O	ID	2/2	Used	1
MEA10	1373	<b>Measurement Method or Device</b>  <b>Description:</b> The method or device used to record the measurement <b>All valid standard codes are used. (Total Codes: 12)</b>	O	ID	2/4	Used	1

### 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.

# PID Product/Item Description

Pos: 060	Max: 1
Detail - Optional	
Loop: PID	Elements: 2

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>				
PID01	349	<b>Item Description Type</b>	M	ID	1/1	Must use	1				
		<p><b>Description:</b> Code indicating the format of a description</p> <p><b>CodeList Summary</b> (Total Codes: 3, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>F</td> <td>Free-form</td> </tr> </tbody> </table>						<u>Code</u>	<u>Name</u>	F	Free-form
<u>Code</u>	<u>Name</u>										
F	Free-form										
PID05	352	<b>Description</b>	X	AN	1/80	Used	1				
		<p><b>Description:</b> A free-form description to clarify the related data elements and their content</p>									

# REF Reference Identification

Pos: 120	Max: >1
Detail - Mandatory	
Loop: IT1	Elements: 2

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

**Purpose:** 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>	<u>Rep</u>
REF01	128	<b>Reference Identification Qualifier</b>	M	ID	2/3	Must use	1
		<p><b>Description:</b> Code qualifying the Reference Identification</p> <p><b>CodeList Summary</b> (Total Codes: 1503, Included: 1)</p> <p><b>Code Name</b></p> <p>BM Bill of Lading Number</p>					
REF02	127	<b>Reference Identification</b>	X	AN	1/30	Used	1
		<p><b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</p>					

## 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.

# DTM Date/Time Reference

Pos: 150	Max: 10
Detail - Optional	
Loop: IT1	Elements: 6

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
DTM01	374	<b>Date/Time Qualifier</b>	M	ID	3/3	Must use	1
		<b>Description:</b> Code specifying type of date or time, or both date and time <b>All valid standard codes are used.</b> <b>(Total Codes: 1112)</b>					
DTM02	373	<b>Date</b>	X	DT	8/8	Used	1
		<b>Description:</b> Date expressed as CCYYMMDD					
DTM03	337	<b>Time</b>	X	TM	4/8	Used	1
		<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)					
DTM04	623	<b>Time Code</b>	O	ID	2/2	Used	1
		<b>Description:</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow <b>All valid standard codes are used.</b> <b>(Total Codes: 51)</b>					
DTM05	1250	<b>Date Time Period Format Qualifier</b>	X	ID	2/3	Used	1
		<b>Description:</b> Code indicating the date format, time format, or date and time format <b>All valid standard codes are used.</b> <b>(Total Codes: 39)</b>					
DTM06	1251	<b>Date Time Period</b>	X	AN	1/35	Used	1
		<b>Description:</b> Expression of a date, a time, or range of dates, times or dates and times					

## 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.

# SLN Subline Item Detail

Pos: 200	Max: 1
Detail - Optional	
Loop: SLN	Elements: 28

User Option (Usage): Used

Purpose: To specify product subline detail item data

## 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>	<u>Rep</u>
SLN01	350	<b>Assigned Identification</b>  <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set	M	AN	1/20	Must use	1
SLN02	350	<b>Assigned Identification</b>  <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used	1
SLN03	662	<b>Relationship Code</b>  <b>Description:</b> Code indicating the relationship between entities <b>All valid standard codes are used. (Total Codes: 5)</b>	M	ID	1/1	Must use	1
SLN04	380	<b>Quantity</b>  <b>Description:</b> Numeric value of quantity	X	R	1/15	Used	1
SLN05	C001	<b>Composite Unit of Measure</b>  <b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)	X	Comp		Used	1
SLN05-01	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>All valid standard codes are used. (Total Codes: 794)</b>	M	ID	2/2	Must use	1
SLN05-02	1018	<b>Exponent</b>  <b>Description:</b> Power to which a unit is raised	O	R	1/15	Used	1
SLN05-03	649	<b>Multiplier</b>  <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used	1
SLN05-04	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>All valid standard codes are used. (Total Codes: 794)</b>	O	ID	2/2	Used	1
SLN05-05	1018	<b>Exponent</b>  <b>Description:</b> Power to which a unit is raised	O	R	1/15	Used	1

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
SLN05-06	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used	1
SLN05-07	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>All valid standard codes are used. (Total Codes: 794)</b>	O	ID	2/2	Used	1
SLN05-08	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised	O	R	1/15	Used	1
SLN05-09	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used	1
SLN05-10	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>All valid standard codes are used. (Total Codes: 794)</b>	O	ID	2/2	Used	1
SLN05-11	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised	O	R	1/15	Used	1
SLN05-12	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used	1
SLN05-13	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>All valid standard codes are used. (Total Codes: 794)</b>	O	ID	2/2	Used	1
SLN05-14	1018	<b>Exponent</b> <b>Description:</b> Power to which a unit is raised	O	R	1/15	Used	1
SLN05-15	649	<b>Multiplier</b> <b>Description:</b> Value to be used as a multiplier to obtain a new value	O	R	1/10	Used	1
SLN06	212	<b>Unit Price</b> <b>Description:</b> Price per unit of product, service, commodity, etc.	X	R	1/17	Used	1
SLN07	639	<b>Basis of Unit Price Code</b> <b>Description:</b> Code identifying the type of unit price for an item	O	ID	2/2	Used	1

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
		<b>All valid standard codes are used. (Total Codes: 91)</b>					
SLN08	662	<b>Relationship Code</b>	O	ID	1/1	Used	1
		<b>Description:</b> Code indicating the relationship between entities					
		<b>All valid standard codes are used. (Total Codes: 5)</b>					
SLN09	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
		<b>All valid standard codes are used. (Total Codes: 477)</b>					
SLN10	234	<b>Product/Service ID</b>	X	AN	1/48	Used	1
		<b>Description:</b> Identifying number for a product or service					
SLN11	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
		<b>All valid standard codes are used. (Total Codes: 477)</b>					
SLN12	234	<b>Product/Service ID</b>	X	AN	1/48	Used	1
		<b>Description:</b> Identifying number for a product or service					
SLN13	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
		<b>All valid standard codes are used. (Total Codes: 477)</b>					
SLN14	234	<b>Product/Service ID</b>	X	AN	1/48	Used	1
		<b>Description:</b> Identifying number for a product or service					
SLN15	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
		<b>All valid standard codes are used. (Total Codes: 477)</b>					
SLN16	234	<b>Product/Service ID</b>	X	AN	1/48	Used	1
		<b>Description:</b> Identifying number for a product or service					
SLN17	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)					
		<b>All valid standard codes are used. (Total Codes: 477)</b>					
SLN18	234	<b>Product/Service ID</b>	X	AN	1/48	Used	1

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
		<b>Description:</b> Identifying number for a product or service					
SLN19	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>All valid standard codes are used. (Total Codes: 477)</b>					
SLN20	234	<b>Product/Service ID</b>	X	AN	1/48	Used	1
		<b>Description:</b> Identifying number for a product or service					
SLN21	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>All valid standard codes are used. (Total Codes: 477)</b>					
SLN22	234	<b>Product/Service ID</b>	X	AN	1/48	Used	1
		<b>Description:</b> Identifying number for a product or service					
SLN23	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>All valid standard codes are used. (Total Codes: 477)</b>					
SLN24	234	<b>Product/Service ID</b>	X	AN	1/48	Used	1
		<b>Description:</b> Identifying number for a product or service					
SLN25	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>All valid standard codes are used. (Total Codes: 477)</b>					
SLN26	234	<b>Product/Service ID</b>	X	AN	1/48	Used	1
		<b>Description:</b> Identifying number for a product or service					
SLN27	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>All valid standard codes are used. (Total Codes: 477)</b>					
SLN28	234	<b>Product/Service ID</b>	X	AN	1/48	Used	1
		<b>Description:</b> Identifying number for a product or service					

### Syntax Rules:

1. P0405 - If either SLN04 or SLN05 is present, then the other is required.

2. C0706 - If SLN07 is present, then SLN06 is required.
3. C0806 - If SLN08 is present, then SLN06 is required.
4. P0910 - If either SLN09 or SLN10 is present, then the other is required.
5. P1112 - If either SLN11 or SLN12 is present, then the other is required.
6. P1314 - If either SLN13 or SLN14 is present, then the other is required.
7. P1516 - If either SLN15 or SLN16 is present, then the other is required.
8. P1718 - If either SLN17 or SLN18 is present, then the other is required.
9. P1920 - If either SLN19 or SLN20 is present, then the other is required.
10. P2122 - If either SLN21 or SLN22 is present, then the other is required.
11. P2324 - If either SLN23 or SLN24 is present, then the other is required.
12. P2526 - If either SLN25 or SLN26 is present, then the other is required.
13. P2728 - If either SLN27 or SLN28 is present, then the other is required.

**Semantics:**

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4. SLN08 is a code indicating the relationship of the price or amount to the associated segment.

**Comments:**

1. See the Data Element Dictionary for a complete list of IDs.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3. SLN09 through SLN28 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.

# DTM Date/Time Reference

Pos: 205	Max: 1
Detail - Optional	
Loop: SLN	Elements: 6

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
DTM01	374	<b>Date/Time Qualifier</b>	M	ID	3/3	Must use	1
		<b>Description:</b> Code specifying type of date or time, or both date and time <b>All valid standard codes are used.</b> <b>(Total Codes: 1112)</b>					
DTM02	373	<b>Date</b>	X	DT	8/8	Used	1
		<b>Description:</b> Date expressed as CCYYMMDD					
DTM03	337	<b>Time</b>	X	TM	4/8	Used	1
		<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)					
DTM04	623	<b>Time Code</b>	O	ID	2/2	Used	1
		<b>Description:</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow <b>All valid standard codes are used.</b> <b>(Total Codes: 51)</b>					
DTM05	1250	<b>Date Time Period Format Qualifier</b>	X	ID	2/3	Used	1
		<b>Description:</b> Code indicating the date format, time format, or date and time format <b>All valid standard codes are used.</b> <b>(Total Codes: 39)</b>					
DTM06	1251	<b>Date Time Period</b>	X	AN	1/35	Used	1
		<b>Description:</b> Expression of a date, a time, or range of dates, times or dates and times					

## 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.

# REF Reference Identification

Pos: 210	Max: >1
Detail - Optional	
Loop: SLN	Elements: 4

User Option (Usage): Used

Purpose: 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>	<u>Rep</u>
REF01	128	<b>Reference Identification Qualifier</b>	M	ID	2/3	Must use	1
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used. (Total Codes: 1503)</b>					
REF02	127	<b>Reference Identification</b>	X	AN	1/30	Used	1
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					
REF03	352	<b>Description</b>	X	AN	1/80	Used	1
		<b>Description:</b> A free-form description to clarify the related data elements and their content					
REF04	C040	<b>Reference Identifier</b>	O	Comp		Used	1
		<b>Description:</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier <b>Syntax:</b> 1. P0304 - If either C04003 or C04004 is present, then the other is required. 2. P0506 - If either C04005 or C04006 is present, then the other is required.					
REF04-01	128	<b>Reference Identification Qualifier</b>	M	ID	2/3	Must use	1
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used. (Total Codes: 1503)</b>					
REF04-02	127	<b>Reference Identification</b>	M	AN	1/30	Must use	1
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					
REF04-03	128	<b>Reference Identification Qualifier</b>	X	ID	2/3	Used	1
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used. (Total Codes: 1503)</b>					
REF04-04	127	<b>Reference Identification</b>	X	AN	1/30	Used	1
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
REF04-05	128	<b>Reference Identification Qualifier</b>	X	ID	2/3	Used	1
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used. (Total Codes: 1503)</b>					
REF04-06	127	<b>Reference Identification</b>	X	AN	1/30	Used	1
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					

### Syntax Rules:

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

### Semantics:

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

# PID Product/Item Description

Pos: 220	Max: 1000
Detail - Optional	
Loop: SLN	Elements: 9

User Option (Usage): Used

Purpose: 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>	<u>Rep</u>
PID01	349	<b>Item Description Type</b>	M	ID	1/1	Must use	1
		<p><b>Description:</b> Code indicating the format of a description</p> <p><b>All valid standard codes are used.</b> (Total Codes: 3)</p>					
PID02	750	<b>Product/Process Characteristic Code</b>	O	ID	2/3	Used	1
		<p><b>Description:</b> Code identifying the general class of a product or process characteristic</p> <p><b>All valid standard codes are used.</b> (Total Codes: 217)</p>					
PID03	559	<b>Agency Qualifier Code</b>	X	ID	2/2	Used	1
		<p><b>Description:</b> Code identifying the agency assigning the code values</p> <p><b>All valid standard codes are used.</b> (Total Codes: 176)</p>					
PID04	751	<b>Product Description Code</b>	X	AN	1/12	Used	1
		<p><b>Description:</b> A code from an industry code list which provides specific data about a product characteristic</p>					
PID05	352	<b>Description</b>	X	AN	1/80	Used	1
		<p><b>Description:</b> A free-form description to clarify the related data elements and their content</p>					
PID06	752	<b>Surface/Layer/Position Code</b>	O	ID	2/2	Used	1
		<p><b>Description:</b> Code indicating the product surface, layer or position that is being described</p> <p><b>All valid standard codes are used.</b> (Total Codes: 101)</p>					
PID07	822	<b>Source Subqualifier</b>	O	AN	1/15	Used	1
		<p><b>Description:</b> A reference that indicates the table or text maintained by the Source Qualifier</p>					
PID08	1073	<b>Yes/No Condition or Response Code</b>	O	ID	1/1	Used	1
		<p><b>Description:</b> Code indicating a Yes or No condition or response</p> <p><b>All valid standard codes are used.</b> (Total Codes: 4)</p>					
PID09	819	<b>Language Code</b>	O	ID	2/3	Used	1
		<p><b>Description:</b> Code designating the language used in text, from a standard code list maintained by the International</p>					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
		Standards Organization (ISO 639)					

**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.

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 230	Max: 25
Detail - Optional	
Loop: SLN	Elements: 16

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
SAC01	248	<b>Allowance or Charge Indicator</b>	M	ID	1/1	Must use	1
		<b>Description:</b> Code which indicates an allowance or charge for the service specified <b>All valid standard codes are used. (Total Codes: 7)</b>					
SAC02	1300	<b>Service, Promotion, Allowance, or Charge Code</b>	X	ID	4/4	Used	1
		<b>Description:</b> Code identifying the service, promotion, allowance, or charge <b>All valid standard codes are used. (Total Codes: 1053)</b>					
SAC03	559	<b>Agency Qualifier Code</b>	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the agency assigning the code values <b>All valid standard codes are used. (Total Codes: 176)</b>					
SAC04	1301	<b>Agency Service, Promotion, Allowance, or Charge Code</b>	X	AN	1/10	Used	1
		<b>Description:</b> Agency maintained code identifying the service, promotion, allowance, or charge					
SAC05	610	<b>Amount</b>	O	N2	1/15	Used	1
		<b>Description:</b> Monetary amount					
SAC06	378	<b>Allowance/Charge Percent Qualifier</b>	X	ID	1/1	Used	1
		<b>Description:</b> Code indicating on what basis allowance or charge percent is calculated <b>All valid standard codes are used. (Total Codes: 11)</b>					
SAC07	332	<b>Percent</b>	X	R	1/6	Used	1
		<b>Description:</b> Percent expressed as a percent					
SAC08	118	<b>Rate</b>	O	R	1/9	Used	1
		<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	1
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
		<b>All valid standard codes are used. (Total Codes: 794)</b>					
SAC10	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	X	R	1/15	Used	1
SAC11	380	<b>Quantity</b> <b>Description:</b> Numeric value of quantity	O	R	1/15	Used	1
SAC12	331	<b>Allowance or Charge Method of Handling Code</b> <b>Description:</b> Code indicating method of handling for an allowance or charge <b>All valid standard codes are used. (Total Codes: 22)</b>	O	ID	2/2	Used	1
SAC13	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	X	AN	1/30	Used	1
SAC14	770	<b>Option Number</b> <b>Description:</b> A unique number identifying available promotion or allowance options when more than one is offered	O	AN	1/20	Used	1
SAC15	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content	X	AN	1/80	Used	1
SAC16	819	<b>Language Code</b> <b>Description:</b> Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	O	ID	2/3	Used	1

### 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.

# TC2 Commodity

Pos: 235	Max: 2
Detail - Optional	
Loop: SLN	Elements: 2

**User Option (Usage):** Used

**Purpose:** To identify a commodity or a group of commodities or a tariff page commodity

## 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>	<u>Rep</u>
TC201	23	<b>Commodity Code Qualifier</b>	M	ID	1/1	Must use	1
		<b>Description:</b> Code identifying the commodity coding system used for Commodity Code <b>All valid standard codes are used. (Total Codes: 23)</b>					
TC202	22	<b>Commodity Code</b>	M	AN	1/30	Must use	1
		<b>Description:</b> Code describing a commodity or group of commodities					

# TXI Tax Information

Pos: 237	Max: 10
Detail - Optional	
Loop: SLN	Elements: 10

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
TXI01	963	<b>Tax Type Code</b>	M	ID	2/2	Must use	1
		<b>Description:</b> Code specifying the type of tax <b>All valid standard codes are used.</b> <b>(Total Codes: 74)</b>					
TXI02	782	<b>Monetary Amount</b>	X	R	1/18	Used	1
		<b>Description:</b> Monetary amount					
TXI03	954	<b>Percent</b>	X	R	1/10	Used	1
		<b>Description:</b> Percentage expressed as a decimal					
TXI04	955	<b>Tax Jurisdiction Code Qualifier</b>	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the source of the data used in tax jurisdiction code <b>All valid standard codes are used.</b> <b>(Total Codes: 3)</b>					
TXI05	956	<b>Tax Jurisdiction Code</b>	X	AN	1/10	Used	1
		<b>Description:</b> Code identifying the taxing jurisdiction					
TXI06	441	<b>Tax Exempt Code</b>	X	ID	1/1	Used	1
		<b>Description:</b> Code identifying exemption status from sales and use tax <b>All valid standard codes are used.</b> <b>(Total Codes: 34)</b>					
TXI07	662	<b>Relationship Code</b>	O	ID	1/1	Used	1
		<b>Description:</b> Code indicating the relationship between entities <b>All valid standard codes are used.</b> <b>(Total Codes: 5)</b>					
TXI08	828	<b>Dollar Basis For Percent</b>	O	R	1/9	Used	1
		<b>Description:</b> Dollar basis to be used in the percent calculation of the allowance, charge or tax					
TXI09	325	<b>Tax Identification Number</b>	O	AN	1/20	Used	1
		<b>Description:</b> Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number					
TXI10	350	<b>Assigned Identification</b>	O	AN	1/20	Used	1
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
		transaction set					

**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.

# N1 Name

Pos: 240	Max: 1
Detail - Optional	
Loop: N1	Elements: 6

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3	Must use	1
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual <b>All valid standard codes are used.</b> <b>(Total Codes: 1312)</b>					
N102	93	<b>Name</b>	X	AN	1/60	Used	1
		<b>Description:</b> Free-form name					
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used	1
		<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67) <b>All valid standard codes are used.</b> <b>(Total Codes: 215)</b>					
N104	67	<b>Identification Code</b>	X	AN	2/80	Used	1
		<b>Description:</b> Code identifying a party or other code					
N105	706	<b>Entity Relationship Code</b>	O	ID	2/2	Used	1
		<b>Description:</b> Code describing entity relationship <b>All valid standard codes are used.</b> <b>(Total Codes: 96)</b>					
N106	98	<b>Entity Identifier Code</b>	O	ID	2/3	Used	1
		<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual <b>All valid standard codes are used.</b> <b>(Total Codes: 1312)</b>					

## 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.

# N2 Additional Name Information

Pos: 250	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify additional names or those longer than 35 characters in length

## 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>	<u>Rep</u>
N201	93	<b>Name</b>	M	AN	1/60	Must use	1
		<b>Description:</b> Free-form name					
N202	93	<b>Name</b>	O	AN	1/60	Used	1
		<b>Description:</b> Free-form name					

# N3 Address Information

Pos: 260	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify the location of the named party

## Element Summary:

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

# N4 Geographic Location

Pos: 270	Max: 1
Detail - Optional	
Loop: N1	Elements: 6

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
N401	19	<b>City Name</b>	O	AN	2/30	Used	1
		<b>Description:</b> Free-form text for city name					
N402	156	<b>State or Province Code</b>	O	ID	2/2	Used	1
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency					
N403	116	<b>Postal Code</b>	O	ID	3/15	Used	1
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)					
N404	26	<b>Country Code</b>	O	ID	2/3	Used	1
		<b>Description:</b> Code identifying the country					
N405	309	<b>Location Qualifier</b>	X	ID	1/2	Used	1
		<b>Description:</b> Code identifying type of location					
		<b>All valid standard codes are used. (Total Codes: 172)</b>					
N406	310	<b>Location Identifier</b>	O	AN	1/30	Used	1
		<b>Description:</b> Code which identifies a specific location					

## 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.

# REF Reference Identification

Pos: 280	Max: 12
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: 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>	<u>Rep</u>
REF01	128	<b>Reference Identification Qualifier</b>	M	ID	2/3	Must use	1
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used.</b> <b>(Total Codes: 1503)</b>					
REF02	127	<b>Reference Identification</b>	X	AN	1/30	Used	1
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					
REF03	352	<b>Description</b>	X	AN	1/80	Used	1
		<b>Description:</b> A free-form description to clarify the related data elements and their content					
REF04	C040	<b>Reference Identifier</b>	O	Comp		Used	1
		<b>Description:</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier <b>Syntax:</b> 1. P0304 - If either C04003 or C04004 is present, then the other is required. 2. P0506 - If either C04005 or C04006 is present, then the other is required.					
REF04-01	128	<b>Reference Identification Qualifier</b>	M	ID	2/3	Must use	1
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used.</b> <b>(Total Codes: 1503)</b>					
REF04-02	127	<b>Reference Identification</b>	M	AN	1/30	Must use	1
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					
REF04-03	128	<b>Reference Identification Qualifier</b>	X	ID	2/3	Used	1
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used.</b> <b>(Total Codes: 1503)</b>					
REF04-04	127	<b>Reference Identification</b>	X	AN	1/30	Used	1
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
REF04-05	128	<b>Reference Identification Qualifier</b>	X	ID	2/3	Used	1
		<b>Description:</b> Code qualifying the Reference Identification <b>All valid standard codes are used. (Total Codes: 1503)</b>					
REF04-06	127	<b>Reference Identification</b>	X	AN	1/30	Used	1
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					

### Syntax Rules:

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

### Semantics:

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

# PER Administrative Communications Contact

Pos: 290	Max: 3
Detail - Optional	
Loop: N1	Elements: 9

**User Option (Usage):** Used

**Purpose:** To identify a person or office to whom administrative communications should be directed

## 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>	<u>Rep</u>
PER01	366	<b>Contact Function Code</b>  <b>Description:</b> Code identifying the major duty or responsibility of the person or group named <b>All valid standard codes are used. (Total Codes: 230)</b>	M	ID	2/2	Must use	1
PER02	93	<b>Name</b>  <b>Description:</b> Free-form name	O	AN	1/60	Used	1
PER03	365	<b>Communication Number Qualifier</b>  <b>Description:</b> Code identifying the type of communication number <b>All valid standard codes are used. (Total Codes: 40)</b>	X	ID	2/2	Used	1
PER04	364	<b>Communication Number</b>  <b>Description:</b> Complete communications number including country or area code when applicable	X	AN	1/80	Used	1
PER05	365	<b>Communication Number Qualifier</b>  <b>Description:</b> Code identifying the type of communication number <b>All valid standard codes are used. (Total Codes: 40)</b>	X	ID	2/2	Used	1
PER06	364	<b>Communication Number</b>  <b>Description:</b> Complete communications number including country or area code when applicable	X	AN	1/80	Used	1
PER07	365	<b>Communication Number Qualifier</b>  <b>Description:</b> Code identifying the type of communication number <b>All valid standard codes are used. (Total Codes: 40)</b>	X	ID	2/2	Used	1
PER08	364	<b>Communication Number</b>  <b>Description:</b> Complete communications number including country or area code when applicable	X	AN	1/80	Used	1
PER09	443	<b>Contact Inquiry Reference</b>  <b>Description:</b> Additional reference number or description to clarify a contact number	O	AN	1/20	Used	1

## Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.

2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

# DMG Demographic Information

Pos: 295	Max: 1
Detail - Optional	
Loop: N1	Elements: 9

User Option (Usage): Used

Purpose: To supply demographic 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>	<u>Rep</u>
DMG01	1250	<b>Date Time Period Format Qualifier</b>	X	ID	2/3	Used	1
		<b>Description:</b> Code indicating the date format, time format, or date and time format <b>All valid standard codes are used.</b> <b>(Total Codes: 39)</b>					
DMG02	1251	<b>Date Time Period</b>	X	AN	1/35	Used	1
		<b>Description:</b> Expression of a date, a time, or range of dates, times or dates and times					
DMG03	1068	<b>Gender Code</b>	O	ID	1/1	Used	1
		<b>Description:</b> Code indicating the sex of the individual <b>All valid standard codes are used.</b> <b>(Total Codes: 7)</b>					
DMG04	1067	<b>Marital Status Code</b>	O	ID	1/1	Used	1
		<b>Description:</b> Code defining the marital status of a person <b>All valid standard codes are used.</b> <b>(Total Codes: 12)</b>					
DMG05	1109	<b>Race or Ethnicity Code</b>	O	ID	1/1	Used	1
		<b>Description:</b> Code indicating the racial or ethnic background of a person; it is normally self-reported; Under certain circumstances this information is collected for United States Government statistical purposes <b>All valid standard codes are used.</b> <b>(Total Codes: 16)</b>					
DMG06	1066	<b>Citizenship Status Code</b>	O	ID	1/2	Used	1
		<b>Description:</b> Code indicating citizenship status <b>All valid standard codes are used.</b> <b>(Total Codes: 15)</b>					
DMG07	26	<b>Country Code</b>	O	ID	2/3	Used	1
		<b>Description:</b> Code identifying the country					
DMG08	659	<b>Basis of Verification Code</b>	O	ID	1/2	Used	1
		<b>Description:</b> Code indicating the basis of verification <b>All valid standard codes are used.</b> <b>(Total Codes: 11)</b>					
DMG09	380	<b>Quantity</b>	O	R	1/15	Used	1

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
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**Description:** Numeric value of quantity

### Syntax Rules:

1. P0102 - If either DMG01 or DMG02 is present, then the other is required.

### Semantics:

1. DMG02 is the date of birth.
2. DMG07 is the country of citizenship.
3. DMG09 is the age in years.

# TDS Total Monetary Value Summary

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 3

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

**Purpose:** 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>	<u>Rep</u>
TDS01	610	<b>Amount</b>	M	N2	1/15	Must use	1
		<b>Description:</b> Monetary amount					
		<b>User Note 1:</b> Total Invoice Amount including all charges and allowances.					
TDS02	610	<b>Amount</b>	O	N2	1/15	Used	1
		<b>Description:</b> Monetary amount					
		<b>User Note 1:</b> Amount subject to cash discount.					
TDS03	610	<b>Amount</b>	O	N2	1/15	Used	1
		<b>Description:</b> Monetary amount					
		<b>User Note 1:</b> Discounted invoice amount.					

# TXI Tax Information

Pos: 020	Max: 10
Summary - Optional	
Loop: N/A	Elements: 10

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
TXI01	963	<b>Tax Type Code</b>	M	ID	2/2	Must use	1
		<b>Description:</b> Code specifying the type of tax <b>All valid standard codes are used.</b> <b>(Total Codes: 74)</b>					
TXI02	782	<b>Monetary Amount</b>	X	R	1/18	Used	1
		<b>Description:</b> Monetary amount					
TXI03	954	<b>Percent</b>	X	R	1/10	Used	1
		<b>Description:</b> Percentage expressed as a decimal					
TXI04	955	<b>Tax Jurisdiction Code Qualifier</b>	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the source of the data used in tax jurisdiction code <b>All valid standard codes are used.</b> <b>(Total Codes: 3)</b>					
TXI05	956	<b>Tax Jurisdiction Code</b>	X	AN	1/10	Used	1
		<b>Description:</b> Code identifying the taxing jurisdiction					
TXI06	441	<b>Tax Exempt Code</b>	X	ID	1/1	Used	1
		<b>Description:</b> Code identifying exemption status from sales and use tax <b>All valid standard codes are used.</b> <b>(Total Codes: 34)</b>					
TXI07	662	<b>Relationship Code</b>	O	ID	1/1	Used	1
		<b>Description:</b> Code indicating the relationship between entities <b>All valid standard codes are used.</b> <b>(Total Codes: 5)</b>					
TXI08	828	<b>Dollar Basis For Percent</b>	O	R	1/9	Used	1
		<b>Description:</b> Dollar basis to be used in the percent calculation of the allowance, charge or tax					
TXI09	325	<b>Tax Identification Number</b>	O	AN	1/20	Used	1
		<b>Description:</b> Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number					
TXI10	350	<b>Assigned Identification</b>	O	AN	1/20	Used	1
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
		transaction set					

**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: 030	Max: 1
Summary - Optional	
Loop: N/A	Elements: 3

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
CAD01	91	<b>Transportation Method/Type Code</b>	O	ID	1/2	Used	1
		<b>Description:</b> Code specifying the method or type of transportation for the shipment					
		<b>CodeList Summary</b> (Total Codes: 71, Included: 3)					
		<b><u>Code</u> <u>Name</u></b>					
		H Customer Pickup					
		M Motor (Common Carrier)					
		R Rail					
CAD04	140	<b>Standard Carrier Alpha Code</b>	X	ID	2/4	Used	1
		<b>Description:</b> Standard Carrier Alpha Code					
CAD05	387	<b>Routing</b>	X	AN	1/35	Used	1
		<b>Description:</b> Free-form description of the routing or requested routing for shipment, or the originating carrier's identity					

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 040	Max: 1
Summary - Optional	
Loop: SAC	Elements: 4

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use	1

**Description:** Code which indicates an allowance or charge for the service specified

**CodeList Summary** (Total Codes: 7, Included: 2)

**Code Name**

- A Allowance
- C Charge

SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used	1
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**Description:** Code identifying the service, promotion, allowance, or charge

**CodeList Summary** (Total Codes: 1053, Included: 2)

**Code Name**

- D240 Freight
- ZZZZ Mutually Defined

**Description:** USE ZZZZ for Aqua Tolling Fee, CFA or Assessorial Charges

SAC05	610	Amount	O	N2	1/15	Used	1
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**Description:** Monetary amount

SAC15	352	Description	X	AN	1/80	Used	1
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**Description:** A free-form description to clarify the related data elements and their content

**User Note 1:** If code D750 is used in SAC02 then the charges represent Freight to the DC.

# CTT Transaction Totals

Pos: 070	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Used

**Purpose:** 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>	<u>Rep</u>
CTT01	354	Number of Line Items	M	N0	1/6	Must use	1

**Description:** Total number of line items  
in the transaction set

# SE Transaction Set Trailer

Pos: 080	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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

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

## Element Summary:

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

# GE Functional Group Trailer

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

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

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
GE01	97	<b>Number of Transaction Sets Included</b>	M	N0	1/6	Must use	1
		<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					
GE02	28	<b>Group Control Number</b>	M	N0	1/9	Must use	1
		<b>Description:</b> Assigned number originated and maintained by the sender					

# IEA Interchange Control Trailer

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

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

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

## Element Summary:

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