

JR Simplot Corporate 810 Invoice

X12/V4010/810: 810 Invoice

Version: 1.0

Company:	JR Simplot Company
Modified:	1/26/2023
Notes:	edi@simplot.com

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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
040	CUR	Currency	M	1			Must use
050	REF	Reference Identification	M	12			Must use
060	PER	Administrative Communications Contact	O	3			Used

<u>LOOP ID - N1</u>						<u>200</u>	
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

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>
<u>LOOP ID - IT1</u>						<u>200000</u>	
010	IT1	Baseline Item Data (Invoice)	M	1			Must use
<u>LOOP ID - PID</u>						<u>1000</u>	
060	PID	Product/Item Description	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
<u>LOOP ID - SAC</u>						<u>25</u>	
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.

User Note 1:

EDI 810 Invoice Example:

ST*810*0001
 BIG*20151005*53933004**1461956***DI~
 CUR*BY*USD~
 REF*VN*11111555~
 PER*OC*JOE FRESH~
 N1*BT*BILL TO NAME*9*2083848255~
 N3*BILL TO STREET~
 N4*BOISE*ID*837070000~
 N1*ST*SHIP TO NAME*9*2083848256~
 N3*SHIP TO STREET~
 N4*BOISE*ID*837010000~
 N1*RE*REMIT TO NAME*9*12345678~
 N3*REMIT TO STREET~
 N4*PALATINE*IL*600550660~
 N1*S*SHIP FROM NAME*9*12345000~
 N3*SHIP FROM STREET~
 N4*FRESNO*CA*937250000~
 ITD*01*3*****20151104*30~
 IT1*000001*6*CL*78.61****VC*AR K~
 PID*F****ARGON K~
 IT1*000002*2*EA*57.3****VC*DB~
 PID*F****1/4" Diamond Drill Bit~
 IT1*000003*1*CL*163.13****VC*AI 0.0CE-AS~
 PID*F****AIR ZERO CEM AS (COA REQUIRED)~
 IT1*000004*1*CL*180****VC*NI NO480ZC-AS~
 PID*F****NIT-NO 480 PPM CS AS~
 TDS*105976~
 TXI*ST*80.54**CD*CA~
 SAC*C*D240***3000*****06***FREIGHT~
 SAC*C*D540***1983*****06***HAZ MAT FEE~
 CTT*4~
 SE*41*1659~
 GE*1*1659~
 IEA*1*100000659~

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	Authorization Information Qualifier	M	ID	2/2	Must use	1
<p>Description: Code to identify the type of information in the Authorization Information</p> <p>Code List Summary (Total Codes: 7, Included: 1)</p> <p>Code Name</p> <p>00 No Authorization Information Present (No Meaningful Information in I02)</p>							
ISA02	I02	Authorization Information	M	AN	10/10	Must use	1
<p>Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)</p>							
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use	1
<p>Description: Code to identify the type of information in the Security Information</p> <p>Code List Summary (Total Codes: 2, Included: 1)</p> <p>Code Name</p> <p>00 No Security Information Present (No Meaningful Information in I04)</p>							
ISA04	I04	Security Information	M	AN	10/10	Must use	1
<p>Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)</p>							
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use	1
<p>Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p>							
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use	1
<p>Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element</p>							
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use	1
<p>Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified</p> <p>Code List Summary (Total Codes: 38, Included: 4)</p> <p>Code Name</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
<p>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</p>							
ISA09	I08	Interchange Date	M	DT	6/6	Must use	1
<p>Description: Date of the interchange</p>							
ISA10	I09	Interchange Time	M	TM	4/4	Must use	1
<p>Description: Time of the interchange</p>							
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	Must use	1
<p>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)</p>							
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use	1
<p>Description: Code specifying the version number of the interchange control segments</p> <p>Code List Summary (Total Codes: 14, Included: 1)</p> <p>Code Name</p> <p>00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997</p>							
ISA13	I12	Interchange Control Number	M	N0	9/9	Must use	1
<p>Description: A control number assigned by the interchange sender</p>							
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use	1
<p>Description: Code sent by the sender to request an interchange acknowledgment (TA1)</p> <p>Code List Summary (Total Codes: 2, Included: 1)</p> <p>Code Name</p> <p>0 No Acknowledgment Requested</p>							
ISA15	I14	Usage Indicator	M	ID	1/1	Must use	1
<p>Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information</p> <p>Code List Summary (Total Codes: 3, Included: 2)</p> <p>Code Name</p> <p>P Production Data</p> <p>T Test Data</p>							

ISA16	I15	Component Element Separator	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	Functional Identifier Code	M	ID	2/2	Must use	1				
<p>Description: Code identifying a group of application related transaction sets</p> <p>Code List Summary (Total Codes: 240, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>IN</td> <td>Invoice Information (810,819)</td> </tr> </tbody> </table>								<u>Code</u>	<u>Name</u>	IN	Invoice Information (810,819)
<u>Code</u>	<u>Name</u>										
IN	Invoice Information (810,819)										
GS02	142	Application Sender's Code	M	AN	2/15	Must use	1				
<p>Description: Code identifying party sending transmission; codes agreed to by trading partners</p>											
GS03	124	Application Receiver's Code	M	AN	2/15	Must use	1				
<p>Description: Code identifying party receiving transmission; codes agreed to by trading partners</p>											
GS04	373	Date	M	DT	8/8	Must use	1				
<p>Description: Date expressed as CCYYMMDD</p>											
GS05	337	Time	M	TM	4/8	Must use	1				
<p>Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)</p>											
GS06	28	Group Control Number	M	N0	1/9	Must use	1				
<p>Description: Assigned number originated and maintained by the sender</p>											
GS07	455	Responsible Agency Code	M	ID	1/2	Must use	1				
<p>Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480</p> <p>Code List Summary (Total Codes: 2, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>X</td> <td>Accredited Standards Committee X12</td> </tr> </tbody> </table>								<u>Code</u>	<u>Name</u>	X	Accredited Standards Committee X12
<u>Code</u>	<u>Name</u>										
X	Accredited Standards Committee X12										
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use	1				
<p>Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS</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					

Code List Summary (Total Codes: 39, Included: 1)

<u>Code</u>	<u>Name</u>
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	Transaction Set Identifier Code	M	ID	3/3	Must use	1
Description: Code uniquely identifying a Transaction Set							
Code List Summary (Total Codes: 298, Included: 1)							
<u>Code</u> <u>Name</u>							
810 Invoice							
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use	1
Description: 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: 4

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

CUR Currency

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

User Option (Usage): Must use

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	Entity Identifier Code	M	ID	2/3	Must use	1

Description: Code identifying an organizational entity, a physical location, property or an individual

Code List Summary (Total Codes: 1312, Included: 1)

Code Name

BY Buying Party (Purchaser)

CUR02	100	Currency Code	M	ID	3/3	Must use	1
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Description: Code (Standard ISO) for country in whose currency the charges are specified

User Note 1: USD

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

Code List Summary (Total Codes: 1503, Included: 2)

Code Name

CR Customer Reference Number

VN Vendor Order 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: CR = Simplot account number

VN = Simplot order number

PER Administrative Communications Contact

Pos: 060	Max: 3
Heading - Optional	
Loop: N/A	Elements: 2

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	Contact Function Code	M	ID	2/2	Must use	1

Description: Code identifying the major duty or responsibility of the person or group named

Code List Summary (Total Codes: 230, Included: 2)

Code Name

BD Buyer Name or Department
 OC Order Contact

PER02	93	Name	O	AN	1/60	Used	1
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Description: Free-form name

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.

N1 Name

Pos: 070	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

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	Entity Identifier Code	M	ID	2/3	Must use	1
<p>Description: Code identifying an organizational entity, a physical location, property or an individual</p> <p>Code List Summary (Total Codes: 1312, Included: 1)</p> <p>Code Name</p> <p>BT Bill-to-Party</p>							
N102	93	Name	X	AN	1/60	Used	1
<p>Description: Free-form name</p>							
N103	66	Identification Code Qualifier	X	ID	1/2	Used	1
<p>Description: Code designating the system/method of code structure used for Identification Code (67)</p> <p>Code List Summary (Total Codes: 215, Included: 4)</p> <p>Code Name</p> <p>9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix</p> <p>91 Assigned by Seller or Seller's Agent</p> <p>92 Assigned by Buyer or Buyer's Agent</p> <p>ZZ Mutually Defined</p>							
N104	67	Identification Code	X	AN	2/80	Used	1
<p>Description: 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	Address Information	M	AN	1/55	Must use	1
		Description: Address information					
N302	166	Address Information	O	AN	1/55	Used	1
		Description: 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	City Name Description: Free-form text for city name	O	AN	2/30	Used	1
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used	1
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used	1

N1 Name

Pos: 070	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

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	Entity Identifier Code	M	ID	2/3	Must use	1
<p>Description: Code identifying an organizational entity, a physical location, property or an individual</p> <p>Code List Summary (Total Codes: 1312, Included: 1)</p> <p><u>Code</u> <u>Name</u></p> <p>ST Ship To</p>							
N102	93	Name	X	AN	1/60	Used	1
<p>Description: Free-form name</p>							
N103	66	Identification Code Qualifier	X	ID	1/2	Used	1
<p>Description: Code designating the system/method of code structure used for Identification Code (67)</p> <p>Code List Summary (Total Codes: 215, Included: 4)</p> <p><u>Code</u> <u>Name</u></p> <p>9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix</p> <p>91 Assigned by Seller or Seller's Agent</p> <p>92 Assigned by Buyer or Buyer's Agent</p> <p>ZZ Mutually Defined</p>							
N104	67	Identification Code	X	AN	2/80	Used	1
<p>Description: 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	Address Information	M	AN	1/55	Must use	1
		Description: Address information					
N302	166	Address Information	O	AN	1/55	Used	1
		Description: 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	City Name Description: Free-form text for city name	O	AN	2/30	Used	1
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used	1
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used	1

N1 Name

Pos: 070	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

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	Entity Identifier Code	M	ID	2/3	Must use	1
<p>Description: Code identifying an organizational entity, a physical location, property or an individual</p> <p>Code List Summary (Total Codes: 1312, Included: 1)</p> <p>Code Name</p> <p>RE Party to receive commercial invoice remittance</p>							
N102	93	Name	X	AN	1/60	Used	1
<p>Description: Free-form name</p>							
N103	66	Identification Code Qualifier	X	ID	1/2	Used	1
<p>Description: Code designating the system/method of code structure used for Identification Code (67)</p> <p>Code List Summary (Total Codes: 215, Included: 4)</p> <p>Code Name</p> <p>9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix</p> <p>91 Assigned by Seller or Seller's Agent</p> <p>92 Assigned by Buyer or Buyer's Agent</p> <p>ZZ Mutually Defined</p>							
N104	67	Identification Code	X	AN	2/80	Used	1
<p>Description: 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	Address Information	M	AN	1/55	Must use	1
		Description: Address information					
N302	166	Address Information	O	AN	1/55	Used	1
		Description: 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	City Name Description: Free-form text for city name	O	AN	2/30	Used	1
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used	1
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used	1

N1 Name

Pos: 070	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

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	Entity Identifier Code	M	ID	2/3	Must use	1
<p>Description: Code identifying an organizational entity, a physical location, property or an individual</p> <p>Code List Summary (Total Codes: 1312, Included: 1)</p> <p><u>Code</u> <u>Name</u></p> <p>SF Ship From</p>							
N102	93	Name	X	AN	1/60	Used	1
<p>Description: Free-form name</p>							
N103	66	Identification Code Qualifier	X	ID	1/2	Used	1
<p>Description: Code designating the system/method of code structure used for Identification Code (67)</p> <p>Code List Summary (Total Codes: 215, Included: 4)</p> <p><u>Code</u> <u>Name</u></p> <p>9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix</p> <p>91 Assigned by Seller or Seller's Agent</p> <p>92 Assigned by Buyer or Buyer's Agent</p> <p>ZZ Mutually Defined</p>							
N104	67	Identification Code	X	AN	2/80	Used	1
<p>Description: Code identifying a party or other code</p>							

ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: >1
Heading - Mandatory	
Loop: N/A	Elements: 4

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	Terms Type Code	O	ID	2/2	Used	1						
<p>Description: Code identifying type of payment terms</p> <p>Code List Summary (Total Codes: 65, Included: 2)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Basic</td> </tr> <tr> <td>05</td> <td>Discount Not Applicable</td> </tr> </tbody> </table>								<u>Code</u>	<u>Name</u>	01	Basic	05	Discount Not Applicable
<u>Code</u>	<u>Name</u>												
01	Basic												
05	Discount Not Applicable												
ITD02	333	Terms Basis Date Code	O	ID	1/2	Used	1						
<p>Description: Code identifying the beginning of the terms period</p> <p>Code List Summary (Total Codes: 17, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>3</td> <td>Invoice Date</td> </tr> </tbody> </table>								<u>Code</u>	<u>Name</u>	3	Invoice Date		
<u>Code</u>	<u>Name</u>												
3	Invoice Date												
ITD06	446	Terms Net Due Date	O	DT	8/8	Used	1						
<p>Description: Date when total invoice amount becomes due expressed in format CCYMMDD</p>													
ITD07	386	Terms Net Days	O	N0	1/3	Used	1						
<p>Description: Number of days until total invoice amount is due (discount not applicable)</p>													

IT1 Baseline Item Data (Invoice)

Pos: 010	Max: 1
Detail - Mandatory	
Loop: IT1	Elements: 6

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	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used	1
IT102	358	Quantity Invoiced Description: Number of units invoiced (supplier units)	X	R	1/10	Used	1
IT103	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Code List Summary (Total Codes: 794, Included: 5) <u>Code</u> <u>Name</u> CA Case CL Cylinder EA Each LB Pound TN Net Ton (2,000 LB).	X	ID	2/2	Used	1
IT104	212	Unit Price Description: Price per unit of product, service, commodity, etc.	X	R	1/17	Used	1
IT108	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Code List Summary (Total Codes: 477, Included: 6) <u>Code</u> <u>Name</u> BY Concept Code MG Manufacturer's Part Number UA U.P.C./EAN Case Code (2-5-5) UK U.P.C./EAN Shipping Container Code (1-2-5-5-1) Description: A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit VC Vendor's (Seller's) Catalog Number VN Vendor's (Seller's) Item Number	X	ID	2/2	Used	1
IT109	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used	1

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	Item Description Type	M	ID	1/1	Must use	1
Description: Code indicating the format of a description							
Code List Summary (Total Codes: 3, Included: 1)							
Code Name							
F Free-form							
PID05	352	Description	X	AN	1/80	Used	1
Description: A free-form description to clarify the related data elements and their content							

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

TXI Tax Information

Pos: 020 Max: 10
 Summary - Optional
 Loop: N/A Elements: 4

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	Tax Type Code	M	ID	2/2	Must use	1
		Description: Code specifying the type of tax All valid standard codes are used. (Total Codes: 74)					
TXI02	782	Monetary Amount	X	R	1/18	Used	1
		Description: Monetary amount					
TXI04	955	Tax Jurisdiction Code Qualifier	X	ID	2/2	Used	1
		Description: Code identifying the source of the data used in tax jurisdiction code All valid standard codes are used. (Total Codes: 3)					
TXI05	956	Tax Jurisdiction Code	X	AN	1/10	Used	1
		Description: Code identifying the taxing jurisdiction					

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.

SAC Service, Promotion, Allowance, or Charge Information

Pos: 040	Max: 1
Summary - Optional	
Loop: SAC	Elements: 5

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
<p>Description: Code which indicates an allowance or charge for the service specified</p> <p>Code List Summary (Total Codes: 7, Included: 2)</p> <p>Code Name</p> <p>A Allowance</p> <p>C Charge</p>							
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used	1
<p>Description: Code identifying the service, promotion, allowance, or charge</p>							
SAC05	610	Amount	O	N2	1/15	Used	1
<p>Description: Monetary amount</p>							
SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used	1
<p>Description: Code indicating method of handling for an allowance or charge</p> <p>All valid standard codes are used.</p> <p>(Total Codes: 22)</p>							
SAC15	352	Description	X	AN	1/80	Used	1
<p>Description: A free-form description to clarify the related data elements and their content</p>							

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	Number of Included Segments	M	N0	1/10	Must use	1
		Description: Total number of segments included in a transaction set including ST and SE segments					
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use	1
		Description: 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	Number of Transaction Sets Included	M	N0	1/6	Must use	1
		Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element					
GE02	28	Group Control Number	M	N0	1/9	Must use	1
		Description: 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	Number of Included Functional Groups	M	N0	1/5	Must use	1
		Description: A count of the number of functional groups included in an interchange					
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use	1
		Description: A control number assigned by the interchange sender					