

Indigo

Indigo Books & Music Inc. - General Merchandise

X12/V4010/850 : 850 Purchase Order

Version: 2 Final

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Table of Contents

850	Purchase Order	1
ISA	Interchange Control Header	3
GS	Functional Group Header	5
ST	Transaction Set Header	7
BEG	Beginning Segment for Purchase Order	8
CUR	Currency	9
REF	Reference Identification	10
FOB	F.O.B. Related Instructions	11
CSH	Sales Requirements	13
ITD	Terms of Sale/Deferred Terms of Sale	14
DTM	Date/Time Reference	15
TD5	Carrier Details (Routing Sequence/Transit Time)	16
N9	Loop Reference Identification	18
N9	Reference Identification	19
MSG	Message Text	20
N1	Loop Name	21
N1	Name	22
N2	Additional Name Information	23
N3	Address Information	24
N4	Geographic Location	25
PER	Administrative Communications Contact	26
PO1	Loop Baseline Item Data	27
PO1	Baseline Item Data	28
CTP	Loop Pricing Information	30
CTP	Pricing Information	31
PID	Loop Product/Item Description	32
PID	Product/Item Description	33
PO4	Item Physical Details	34
N9	Loop Reference Identification	35
N9	Reference Identification	36
MSG	Message Text	37
SLN	Loop Subline Item Detail	38
SLN	Subline Item Detail	39
CTT	Loop Transaction Totals	41
CTT	Transaction Totals	42
SE	Transaction Set Trailer	43
GE	Functional Group Trailer	44
IEA	Interchange Control Trailer	45

850 Purchase Order

Functional Group=PO

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) 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 placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

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	BEG	Beginning Segment for Purchase Order	M	1			Must use
040	CUR	Currency	M	1			Must use
050	REF	Reference Identification	C	>1			Used
080	FOB	F.O.B. Related Instructions	O	>1			Used
110	CSH	Sales Requirements	M	5			Must use
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
150	DTM	Date/Time Reference	M	10			Must use
240	TD5	Carrier Details (Routing Sequence/Transit Time)	C	12			Used

LOOP ID - N9 1000

295	N9	Reference Identification	O	1			Used
300	MSG	Message Text	O	1000			Used

LOOP ID - N1 200

310	N1	Name	M	1			Must use
320	N2	Additional Name Information	C	2			Used
330	N3	Address Information	C	2			Used
340	N4	Geographic Location	C	>1			Used
360	PER	Administrative Communications Contact	C	>1			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>
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LOOP ID - PO1 100000 N2/010L

010	PO1	Baseline Item Data	M	1		N2/010	Must use
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LOOP ID - CTP ≥1

040	CTP	Pricing Information	C	1			Used
-----	-----	---------------------	---	---	--	--	------

LOOP ID - PID 1000

050	PID	Product/Item Description	O	1			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>
090	PO4	Item Physical Details	O	>1			Used
LOOP ID - N9					1000		
330	N9	Reference Identification	O	1			Used
340	MSG	Message Text	O	1000			Used
LOOP ID - SLN					1000		
470	SLN	Subline Item Detail	C	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>
LOOP ID - CTT					1	N3/010L	
010	CTT	Transaction Totals	M	1		N3/010	Must use
030	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:

2/010L PO102 is required.

2/010 PO102 is required.

3/010L The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

3/010 The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

User Note 1:**Change History:****November 2020:**

Changed usage of REF segment from Optional to Conditional

Added IA qualifier to REF_01

Changed usage of FOB_04 and 07 from Relational to Optional

Changed usage of N2 Segment from Optional to Conditional

Changed usage of N2_01 from Used to Must Use

Changed usage of N3_01 from Used to Must use

Changed usage of CTP Segment from Optional to Conditional

Changed usage of SLN Segment from Optional to Conditional

April 2021:

Added PER segment in N1 loop for DropShip (LTL shipments)

Added TD5_04 to support LTL

Added CG qualifier in the TD5_12

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>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use
		Description: Code to identify the type of information in the Authorization Information				
ISA02	I02	Authorization Information	M	AN	10/10	Must use
		Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)				
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
		Description: Code to identify the type of information in the Security Information				
ISA04	I04	Security Information	M	AN	10/10	Must use
		Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)				
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use
		Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified				
		Code List Summary (Total Codes: 38, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		ZZ	Mutually Defined			
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
		Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element				
		User Note 1: <i>INDIGOGM</i>				
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
		Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified				
ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
		Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them				
ISA09	I08	Interchange Date	M	DT	6/6	Must use
		Description: Date of the interchange				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA10	I09	Interchange Time	M	TM	4/4	Must use
		Description: Time of the interchange				
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	Must use
		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
		Description: Code specifying the version number of the interchange control segments				
		Code List Summary (Total Codes: 14, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997			
ISA13	I12	Interchange Control Number	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
		Description: Code sent by the sender to request an interchange acknowledgment (TA1)				
ISA15	I14	Usage Indicator	M	ID	1/1	Must use
		Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information				
ISA16	I15	Component Element Separator	M		1/1	Must use
		Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

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>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use

Description: Code identifying a group of application related transaction sets

Code List Summary (Total Codes: 240, Included: 1)

Code Name

PO Purchase Order (850)

GS02	142	Application Sender's Code	M	AN	2/15	Must use
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Description: Code identifying party sending transmission; codes agreed to by trading partners

User Note 1:

INDIGOGM

GS03	124	Application Receiver's Code	M	AN	2/15	Must use
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Description: Code identifying party receiving transmission; codes agreed to by trading partners

GS04	373	Date	M	DT	8/8	Must use
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Description: Date expressed as CCYYMMDD

GS05	337	Time	M	TM	4/8	Must use
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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)

GS06	28	Group Control Number	M	N0	1/9	Must use
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Description: Assigned number originated and maintained by the sender

GS07	455	Responsible Agency Code	M	ID	1/2	Must use
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Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
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Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

Code 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

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST Transaction Set Header

Pos: 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>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

Code List Summary (Total Codes: 298, Included: 1)

Code Name

850 Purchase Order

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BEG Beginning Segment for Purchase Order

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use

Purpose: To indicate the beginning of the Purchase Order 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>
BEG01	353	Transaction Set Purpose Code	M	ID	2/2	Must use
Description: Code identifying purpose of transaction set						
Code List Summary (Total Codes: 65, Included: 1)						
<u>Code</u> <u>Name</u>						
00 Original						
BEG02	92	Purchase Order Type Code	M	ID	2/2	Must use
Description: Code specifying the type of Purchase Order						
User Note 1:						
<i>DS =Vendor Ships directly to the consumer</i>						
Code List Summary (Total Codes: 69, Included: 3)						
<u>Code</u> <u>Name</u>						
BK Blanket Order (Quantity Firm)						
DS Dropship						
SA Stand-alone Order						
BEG03	324	Purchase Order Number	M	AN	1/22	Must use
Description: Identifying number for Purchase Order assigned by the orderer/purchaser						
User Note 1:						
<i>Purchase Order Number is 10 digits long (Min / Max 10)</i>						
BEG05	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						

Semantics:

1. BEG05 is the date assigned by the purchaser to purchase order.

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>
CUR01	98	Entity Identifier Code	M	ID	2/3	Must use

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

Code List Summary (Total Codes: 1312, Included: 2)

Code Name

BY Buying Party (Purchaser)

SE Selling Party

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

User Note 1:

CAD = Canada

USD = US

EUR = Euro

GBP = Pounds

Comments:

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

REF Reference Identification

Pos: 050	Max: >1
Heading - Conditional	
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>
REF01	128	Reference Identification Qualifier	C	ID	2/3	Used

Description: Code qualifying the Reference Identification

User Note 1:

CO -Used for Direct to consumer (Drop Ship) POs, when BEG02 = DS.

IA - For future use only, this is Indigo's Vendor Assigned Number.

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

Code Name

CO Customer Order Number

IA Internal Vendor Number

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

Syntax Rules:

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

FOB F.O.B. Related Instructions

Pos: 080	Max: >1
Heading - Optional	
Loop: N/A	Elements: 5

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>
FOB01	146	Shipment Method of Payment	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

Code List Summary (Total Codes: 28, Included: 1)

Code Name

DE Per Contract

FOB04	334	Transportation Terms Qualifier Code	O	ID	2/2	Used
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Description: Code identifying the source of the transportation terms

User Note 1:

FOB_04 is not used for Direct to Consumer (Drop Ship)

Code List Summary (Total Codes: 3, Included: 1)

Code Name

01 Incoterms

FOB05	335	Transportation Terms Code	X	ID	3/3	Used
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Description: Code identifying the trade terms which apply to the shipment transportation responsibility

Code List Summary (Total Codes: 25, Included: 13)

Code Name

CFR Cost and Freight
 CIF Cost, Insurance, and Freight
 CIP Carriage and Insurance Paid To
 CPT Carriage Paid To
 DAF Delivered at Frontier
 DDP Delivered Duty Paid
 DDU Deliver Duty Unpaid
 DEQ Delivered Ex Quay
 DES Delivered Ex Ship
 EXW Ex Works
 FAS Free Alongside Ship
 FCA Free Carrier
 FOB Free on Board

FOB06	309	Location Qualifier	X	ID	1/2	Used
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Description: Code identifying type of location

Code List Summary (Total Codes: 172, Included: 1)

Code Name

ZZ Mutually Defined

FOB07 352 **Description** O AN 1/80 Used

Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. C0405 - If FOB04 is present, then FOB05 is required.
2. C0706 - If FOB07 is present, then FOB06 is required.

Semantics:

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

CSH Sales Requirements

Pos: 110	Max: 5
Heading - Mandatory	
Loop: N/A	Elements: 1

User Option (Usage): Must use

Purpose: To specify general conditions or requirements of the 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>
CSH01	563	Sales Requirement Code	M	ID	1/2	Must use

Description: Code to identify a specific requirement or agreement of sale

Code List Summary (Total Codes: 54, Included: 2)

Code Name

N No Back Order

Y Back Order if Out of Stock

ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

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>
ITD01	336	Terms Type Code	M	ID	2/2	Must use
		Description: Code identifying type of payment terms				
		Code List Summary (Total Codes: 65, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		01	Basic			
ITD02	333	Terms Basis Date Code	M	ID	1/2	Must use
		Description: Code identifying the beginning of the terms period				
		Code List Summary (Total Codes: 17, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		3	Invoice Date			
ITD12	352	Description	M	AN	1/80	Must use
		Description: A free-form description to clarify the related data elements and their content				

DTM Date/Time Reference

Pos: 150	Max: 10
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

User Note 1:

001 = The Purchase Order canceled by date if not shipped by this date will always be used

002 = The Purchase Order to be delivered by this date

010 = The Requested Ship date (to be used in future)

092 = Used to indicate contract effective date - for Blanket orders only

093 = Used to indicate contract expiration date - for Blanket orders only

118 = The date which the Purchase Order is to be shipped or picked up. Described by Indigo as the Carrier Handover Date (CHO) - for all PO types

Code List Summary (Total Codes: 1112, Included: 6)

Code Name

001 Cancel After

002 Delivery Requested

010 Requested Ship

092 Contract Effective

093 Contract Expiration

118 Requested Pick-up

DTM02	373	Date	M	DT	8/8	Must use
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Description: Date expressed as CCYYMMDD

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 240	Max: 12
Heading - Conditional	
Loop: N/A	Elements: 5

User Option (Usage): Used

Purpose: To specify the carrier and sequence of routing and provide transit time 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>																		
TD502	66	Identification Code Qualifier	M	ID	1/2	Must use																		
<p>Description: Code designating the system/method of code structure used for Identification Code (67)</p> <p>Code List Summary (Total Codes: 215, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Standard Carrier Alpha Code (SCAC)</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	2	Standard Carrier Alpha Code (SCAC)														
<u>Code</u>	<u>Name</u>																							
2	Standard Carrier Alpha Code (SCAC)																							
TD503	67	Identification Code	M	AN	2/80	Must use																		
<p>Description: Code identifying a party or other code</p> <p>User Note 1:</p> <p><i>The TD503 should contain the 2 to 4 SCAC code representing the Carrier</i></p> <p><i>Ex. Canada Post = CPC</i></p> <p><i>United Parcel Service =- UPSN, etc.</i></p>																								
TD504	91	Transportation Method/Type Code	C	ID	1/2	Must use																		
<p>Description: Code specifying the method or type of transportation for the shipment</p> <p>Code List Summary (Total Codes: 71, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>LT</td> <td>Less Than Trailer Load (LTL)</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	LT	Less Than Trailer Load (LTL)														
<u>Code</u>	<u>Name</u>																							
LT	Less Than Trailer Load (LTL)																							
TD505	387	Routing	X	AN	1/35	Must use																		
<p>Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity</p>																								
TD512	284	Service Level Code	M	ID	2/2	Must use																		
<p>Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier</p> <p>Code List Summary (Total Codes: 66, Included: 4)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CG</td> <td>Ground</td> </tr> <tr> <td colspan="2">User Note 1:</td> </tr> <tr> <td colspan="2"><i>CG = LTL Shipments</i></td> </tr> <tr> <td>ES</td> <td>Expedited Service</td> </tr> <tr> <td colspan="2">User Note 1:</td> </tr> <tr> <td colspan="2"><i>ES = Premium Shipping</i></td> </tr> <tr> <td>G2</td> <td>Standard Service</td> </tr> <tr> <td colspan="2">User Note 1:</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	CG	Ground	User Note 1:		<i>CG = LTL Shipments</i>		ES	Expedited Service	User Note 1:		<i>ES = Premium Shipping</i>		G2	Standard Service	User Note 1:	
<u>Code</u>	<u>Name</u>																							
CG	Ground																							
User Note 1:																								
<i>CG = LTL Shipments</i>																								
ES	Expedited Service																							
User Note 1:																								
<i>ES = Premium Shipping</i>																								
G2	Standard Service																							
User Note 1:																								

Code Name*G2 = Standard Shipping*

SE Second Day

User Note 1:*SE = Next Day***Syntax Rules:**

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.

Comments:

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

User Note 1:*Used for Direct to consumer (Drop Ship) POs, when BEG02 = DS.*

Loop Reference Identification

Pos: 295	Repeat: 1000
Optional	
Loop: N9	Elements: N/A

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
295	N9	Reference Identification	O	1		Used
300	MSG	Message Text	O	1000		Used

N9 Reference Identification

Pos: 295	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

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>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

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

Code Name

L1 Letters or Notes
PO Purchase Order Number

N902	127	Reference Identification	M	AN	1/30	Must use
------	-----	--------------------------	---	----	------	----------

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

User Note 1:

When N901=PO then N902 will contain the Purchase Order Number

When N901=L1 then N902 will contain SHP to identify the type of note to follow in MSG01.

SHP = Shipping Note

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.

MSG Message Text

Pos: 300	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

User Option (Usage): Used

Purpose: To provide a free-form format that allows the transmission of text 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>
MSG01	933	Free-Form Message Text	M	AN	1/264	Must use

Description: Free-form message text

User Note 1:

Shipping Note present if N9_01 = L1 and N9_03 = SHP

Loop Name

Pos: 310	Repeat: 200
Mandatory	
Loop: N1	Elements: N/A

User Option (Usage): Must use

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
310	N1	Name	M	1		Must use
320	N2	Additional Name Information	C	2		Used
330	N3	Address Information	C	2		Used
340	N4	Geographic Location	C	>1		Used
360	PER	Administrative Communications Contact	C	>1		Used

N1 Name

Pos: 310	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

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

Code List Summary (Total Codes: 1312, Included: 4)

Code Name

BT	Bill-to-Party
FS	Final Scheduled Destination
ST	Ship To
VN	Vendor

N102	93	Name	O	AN	1/60	Used
------	----	------	---	----	------	------

Description: Free-form name

N103	66	Identification Code Qualifier	X	ID	1/2	Used
------	----	-------------------------------	---	----	-----	------

Description: Code designating the system/method of code structure used for Identification Code (67)

User Note 1:

N1_03 not sent on Direct to consumer (Drop Ship) POs, when BEG02 = DS.

Code List Summary (Total Codes: 215, Included: 2)

Code Name

1	D-U-N-S Number, Dun & Bradstreet
15	Standard Address Number (SAN)

N104	67	Identification Code	X	AN	2/80	Used
------	----	---------------------	---	----	------	------

Description: Code identifying a party or other code

User Note 1:

When N101 = FS N104 will contain the Mark For Location (Final Destination location)

When FS is not present the N104 is the Final Destination of the Goods

The D-U-N-S Number is only used when N101 = VN

When N103=15, the N104 Min / Max length must be 7/7.

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.

N2 Additional Name Information

Pos: 320	Max: 2
Heading - Conditional	
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>
N201	93	Name	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	Name	O	AN	1/60	Used
		Description: Free-form name				

User Note 1:

N2 segment only sent on Direct to consumer (Drop Ship) POs, when BEG02 = DS.

N3 Address Information

Pos: 330	Max: 2
Heading - Conditional	
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>
N301	166	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

User Note 1:

N3 segment only sent on Direct to consumer (Drop Ship) POs, when BEG02 = DS.

N4 Geographic Location

Pos: 340	Max: >1
Heading - Conditional	
Loop: N1	Elements: 4

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

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

User Note 1:

N4 segment only sent on Direct to consumer (Drop Ship) POs, when BEG02 = DS.

PER Administrative Communications Contact

Pos: 360	Max: >1
Heading - Conditional	
Loop: N1	Elements: 6

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>
PER01	366	Contact Function Code	M	ID	2/2	Must use

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

Code List Summary (Total Codes: 230, Included: 1)

Code Name

DC Delivery Contact

PER02	93	Name	M	AN	1/60	Must use
-------	----	------	---	----	------	----------

Description: Free-form name

PER03	365	Communication Number Qualifier	M	ID	2/2	Must use
-------	-----	--------------------------------	---	----	-----	----------

Description: Code identifying the type of communication number

Code List Summary (Total Codes: 40, Included: 1)

Code Name

TE Telephone

PER04	364	Communication Number	M	AN	1/80	Must use
-------	-----	----------------------	---	----	------	----------

Description: Complete communications number including country or area code when applicable

User Note 1: (i.e. 555-555-5555)

PER05	365	Communication Number Qualifier	M	ID	2/2	Must use
-------	-----	--------------------------------	---	----	-----	----------

Description: Code identifying the type of communication number

Code List Summary (Total Codes: 40, Included: 1)

Code Name

EM Electronic Mail

PER06	364	Communication Number	M	AN	1/80	Must use
-------	-----	----------------------	---	----	------	----------

Description: Complete communications number including country or area code when applicable

User Note 1: The email address cannot exceed 70 characters (Min / Max 70)

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.

User Note 1:

PER segment will be present when the BEG02=DS (Vendor Ships directly to the consumer) and for all LTL

Loop Baseline Item Data

Pos: 010	Repeat: 100000
Mandatory	
Loop: PO1	Elements: N/A

User Option (Usage): Must use

Purpose: To specify basic and most frequently used line item data

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	PO1	Baseline Item Data	M	1		Must use
040		Loop CTP	O		>1	Used
050		Loop PID	O		1000	Used
090	PO4	Item Physical Details	O	>1		Used
330		Loop N9	O		1000	Used
470		Loop SLN	O		1000	Used

PO1 Baseline Item Data

Pos: 010	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 8

User Option (Usage): Must use

Purpose: To specify basic and most frequently used line 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>
PO101	350	Assigned Identification	M	AN	1/20	Must use
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
PO102	330	Quantity Ordered	M	R	1/15	Must use
		Description: Quantity ordered				
PO103	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		Code List Summary (Total Codes: 794, Included: 2)				
		<u>Code</u>	<u>Name</u>			
		CA	Case			
		EA	Each			
PO104	212	Unit Price	M	R	1/17	Must use
		Description: Price per unit of product, service, commodity, etc.				
PO106	235	Product/Service ID Qualifier	M	ID	2/2	Must use
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		Code List Summary (Total Codes: 477, Included: 2)				
		<u>Code</u>	<u>Name</u>			
		EN	European Article Number (EAN) (2-5-5-1)			
		UP	U.P.C. Consumer Package Code (1-5-5-1)			
PO107	234	Product/Service ID	M	AN	1/48	Must use
		Description: Identifying number for a product or service				
PO108	235	Product/Service ID Qualifier	O	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		Code List Summary (Total Codes: 477, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		MG	Manufacturer's Part Number			
PO109	234	Product/Service ID	O	AN	1/48	Used
		Description: Identifying number for a product or service				

Syntax Rules:

1. C0302 - If PO103 is present, then PO102 is required.

2. C0504 - If PO105 is present, then PO104 is required.
3. P0607 - If either PO106 or PO107 is present, then the other is required.
4. P0809 - If either PO108 or PO109 is present, then the other is required.

Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. PO101 is the line item identification.
3. PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Loop Pricing Information

Pos: 040	Repeat: >1
Optional	
Loop: CTP	Elements: N/A

User Option (Usage): Used

Purpose: To specify pricing information

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
040	CTP	Pricing Information	C	1		Used

User Note 1:

CTP segment not used for Direct to consumer (Drop Ship) POs, when BEG02 = DS.

CTP Pricing Information

Pos: 040	Max: 1
Detail - Conditional	
Loop: CTP	Elements: 2

User Option (Usage): Used

Purpose: To specify pricing 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>
CTP02	236	Price Identifier Code	M	ID	3/3	Must use

Description: Code identifying pricing specification

Code List Summary (Total Codes: 164, Included: 1)

<u>Code</u>	<u>Name</u>
RES	Resale

CTP03	212	Unit Price	M	R	1/17	Must use
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Description: Price per unit of product, service, commodity, etc.

User Note 1:

The CTP segment will specify the Resale Price in Canadian dollars.

Comments:

1. See Figures Appendix for an example detailing the use of CTP03 and CTP04.
2. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Loop Product/Item Description

Pos: 050	Repeat: 1000
Optional	
Loop: PID	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

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

PID Product/Item Description

Pos: 050	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>
PID01	349	Item Description Type	M	ID	1/1	Must use

Description: Code indicating the format of a description

Code List Summary (Total Codes: 3, Included: 1)

Code Name

F Free-form

PID05	352	Description	M	AN	1/80	Must use
-------	-----	-------------	---	----	------	----------

Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. R0405 - At least one of PID04 or PID05 is required.

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.

PO4 Item Physical Details

Pos: 090	Max: >1
Detail - Optional	
Loop: PO1	Elements: 3

User Option (Usage): Used

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

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>
PO401	356	Pack	O	N0	1/6	Used

Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container

User Note 1:

PO4_01 represents the number of eaches (units) in the inner case.

PO402	357	Size	M	R	1/8	Must use
-------	-----	-------------	---	---	-----	----------

Description: Size of supplier units in pack

User Note 1:

PO4_02 represents the number of eaches (units) in a master carton

PO403	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
-------	-----	---	---	----	-----	----------

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

User Note 1:

See Comments section for details of usage.

Code List Summary (Total Codes: 794, Included: 1)

Code Name

EA Each

Syntax Rules:

1. P0203 - If either PO402 or PO403 is present, then the other is required.

Comments:

1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".

Loop Reference Identification

Pos: 330	Repeat: 1000
Optional	
Loop: N9	Elements: N/A

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
330	N9	Reference Identification	O	1		Used
340	MSG	Message Text	O	1000		Used

N9 Reference Identification

Pos: 330	Max: 1
Detail - Optional	
Loop: N9	Elements: 2

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

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>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code List Summary (Total Codes: 1503, Included: 1)

Code Name

L1 Letters or Notes

N902	127	Reference Identification	M	AN	1/30	Must use
------	-----	--------------------------	---	----	------	----------

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

User Note 1: *When N901=L1 then N902 will contain one of the following 3 character codes to identify*

the type of note to follow in MSG01.

GFT: Gift Message

CCG: Customized Message

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

MSG Message Text

Pos: 340	Max: 1000
Detail - Optional	
Loop: N9	Elements: 1

User Option (Usage): Used

Purpose: To provide a free-form format that allows the transmission of text 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>
MSG01	933	Free-Form Message Text	M	AN	1/264	Must use

Description: Free-form message text

User Note 1: *If N901 = L1 & N902 = GFT then MSG01 will contain a Gift Message*

If N901 = L1 & N902 = CCG then MSG01 will contain a Customized Message

Syntax Rules:

1. C0302 - If MSG03 is present, then MSG02 is required.

Semantics:

1. MSG03 is the number of lines to advance before printing.

Comments:

1. MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2. If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

Loop Subline Item Detail

Pos: 470 Repeat: 1000
 Optional
 Loop: SLN Elements: N/A

User Option (Usage): Used

Purpose: To specify product subline detail item data

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
470	SLN	Subline Item Detail	C	1		Used

User Note 1:

SLN segment not used for Direct to consumer (Drop Ship) POs, when BEG02 = DS.

SLN Subline Item Detail

Pos: 470	Max: 1
Detail - Conditional	
Loop: SLN	Elements: 8

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>
SLN01	350	Assigned Identification	M	AN	1/20	Must use
Description: Alphanumeric characters assigned for differentiation within a transaction set						
SLN03	662	Relationship Code	M	ID	1/1	Must use
Description: Code indicating the relationship between entities						
Code List Summary (Total Codes: 5, Included: 1)						
Code Name						
O Information Only						
SLN04	380	Quantity	M	R	1/15	Must use
Description: Numeric value of quantity						
SLN05	C001	Composite Unit of Measure	M	Comp		Must use
Description: To identify a composite unit of measure(See Figures Appendix for examples of use)						
SLN05-01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
Code List Summary (Total Codes: 794, Included: 1)						
Code Name						
EA Each						
SLN09	235	Product/Service ID Qualifier	M	ID	2/2	Must use
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
Code List Summary (Total Codes: 477, Included: 3)						
Code Name						
EN European Article Number (EAN) (2-5-5-1)						
UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)						
UP U.P.C. Consumer Package Code (1-5-5-1)						
SLN10	234	Product/Service ID	M	AN	1/48	Must use
Description: Identifying number for a product or service						
SLN11	235	Product/Service ID Qualifier	O	ID	2/2	Used
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
Code List Summary (Total Codes: 477, Included: 1)						

Code Name

MG Manufacturer's Part Number

SLN12	234	Product/Service ID	X	AN	1/48	Used
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Description: Identifying number for a product or service**Syntax Rules:**

1. P0405 - If either SLN04 or SLN05 is present, then the other is required.
2. P0910 - If either SLN09 or SLN10 is present, then the other is required.
3. P1112 - If either SLN11 or SLN12 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.

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.

Loop Transaction Totals

Pos: 010 Repeat: 1
 Mandatory
 Loop: CTT Elements: N/A

User Option (Usage): Must use

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	CTT	Transaction Totals	M	1		Must use

CTT Transaction Totals

Pos: 010 Max: 1
 Summary - Mandatory
 Loop: CTT Elements: 2

User Option (Usage): Must use

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

Element Summary:

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

Description: Total number of line items in the transaction set

CTT02	347	Hash Total	O	R	1/10	Used
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Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.

Comments:

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

SE Transaction Set Trailer

Pos: 030	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>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Comments:

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

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>
GE01	97	Number of Transaction Sets Included	M	N0	1/6	Must use
		Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	28	Group Control Number	M	N0	1/9	Must use
		Description: Assigned number originated and maintained by the sender				

Semantics:

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

Comments:

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

IEA Interchange Control Trailer

Pos:	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>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	Must use
		Description: A count of the number of functional groups included in an interchange				
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				