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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>
0100	ST	Transaction Set Header	M	1			Must use
0200	BEG	Beginning Segment for Purchase Order	M	1			Must use
0500	REF	Reference Identification	M	>1			Used
0500	REF	Reference Identification	M	>1			Used
0500	REF	Reference Identification	M	>1			Used
0500	REF	Reference Identification	M	>1			Used
0800	FOB	F.O.B. Related Instructions	O	>1			Used
1300	ITD	Terms of Sale/Deferred Terms of Sale	M	>1			Used
1500	DTM	Date/Time Reference	M	10			Used
LOOP ID - N9					1000		
2950	N9	Reference Identification	O	1			Used
3000	MTX	Text	O	>1			Used
LOOP ID - N1					200		
3100	N1	Name	M	1			Must use
LOOP ID - N1					200		
3100	N1	Name	M	1			Must use
3300	N3	Address Information	O	2			Used
3400	N4	Geographic Location	O	>1			Used
LOOP ID - N1					200		
3100	N1	Name	O	1			Used
3300	N3	Address Information	O	2			Used
3400	N4	Geographic Location	O	>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>
LOOP ID - PO1					100000	N2/0100L	
0100	PO1	Baseline Item Data	M	1		N2/0100	Must use

<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 - PID					1000		
0500	PID	Product/Item Description	O	1			Used
0900	PO4	Item Physical Details	O	>1			Used
LOOP ID - SLN					1000		
4700	SLN	Subline Item Detail	O	1			Used
LOOP ID - N9					>1		
5230	N9	Reference Identification	O	1			Used
5240	DTM	Date/Time Reference	O	>1			Used
5240	DTM	Date/Time Reference	O	>1			Used
5240	DTM	Date/Time Reference	O	>1			Used
5240	DTM	Date/Time Reference	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>
LOOP ID - CTT					1	N3/0100L	
0100	CTT	Transaction Totals	O	1		N3/0100	Used
0200	AMT	Monetary Amount	O	1		N3/0200	Used
0300	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:

- 2/0100L PO102 is required.
- 2/0100 PO102 is required.
- 3/0100L 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.
- 3/0100 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.
- 3/0200 If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

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
<p>Description: Code identifying the type of information in the Authorization Information</p> <p>Code List Summary (Total Codes: 7, Included: 1)</p> <p><u>Code</u> <u>Name</u></p> <p>00 No Authorization Information Present (No Meaningful Information in I02)</p>						
ISA02	I02	Authorization Information	M	AN	10/10	Must use
<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
<p>Description: Code identifying the type of information in the Security Information</p> <p>Code List Summary (Total Codes: 2, Included: 1)</p> <p><u>Code</u> <u>Name</u></p> <p>00 No Security Information Present (No Meaningful Information in I04)</p>						
ISA04	I04	Security Information	M	AN	10/10	Must use
<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
<p>Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified</p> <p>Code List Summary (Total Codes: 41, Included: 1)</p> <p><u>Code</u> <u>Name</u></p> <p>ZZ Mutually Defined</p>						
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		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				
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use

Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified

Code List Summary (Total Codes: 41, Included: 41)

Code Name

- 01 Duns (Dun & Bradstreet)
- 02 SCAC (Standard Carrier Alpha Code)
- 03 FMC (Federal Maritime Commission)
- 04 IATA (International Air Transport Association)
- 07 UCC/EAN Location Code
- 08 UCC EDI Communications ID (Comm ID)
- 09 X.121 (CCITT)
- 10 Department of Defense (DoD) Activity Address Code
- 11 DEA (Drug Enforcement Administration)
- 12 Phone (Telephone Companies)
- 13 UCS Code (The UCS Code is a Code Used for UCS Transmissions; it includes the Area Code and Telephone Number of a Modem; it Does Not Include Punctuation, Blanks or Access Code)
- 14 Duns Plus Suffix
- 15 Petroleum Accountants Society of Canada Company Code
- 16 Duns Number With 4-Character Suffix
- 17 American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit)
- 18 Association of American Railroads (AAR) Standard Distribution Code
- 19 EDI Council of Australia (EDICA) Communications ID Number (COMM ID)
- 20 Health Industry Number (HIN)
- 21 Integrated Postsecondary Education Data System, or (IPEDS)
- 22 Federal Interagency Commission on Education, or FICE
- 23 National Center for Education Statistics Common Core of Data 12-Digit Number for Pre-K-Grade 12 Institutes, or NCES
- 24 The College Board's Admission Testing Program 4-Digit Code of Postsecondary Institutes, or ATP
- 25 ACT, Inc. 4-Digit Code of Postsecondary Institutions.
- 26 Statistics of Canada List of Postsecondary Institutions
- 27 Carrier Identification Number as assigned by Health Care Financing Administration (HCFA)
- 28 Fiscal Intermediary Identification Number as assigned by Health Care Financing Administration (HCFA)
- 29 Medicare Provider and Supplier Identification Number as assigned by Health Care Financing Administration (HCFA)
- 30 U.S. Federal Tax Identification Number

Code Name

- 31 Jurisdiction Identification Number Plus 4 as assigned by the International Association of Industrial Accident Boards and Commissions (IAIABC)
- 32 U.S. Federal Employer Identification Number (FEIN)
- 33 National Association of Insurance Commissioners Company Code (NAIC)
- 34 Medicaid Provider and Supplier Identification Number as assigned by individual State Medicaid Agencies in conjunction with Health Care Financing Administration (HCFA)
- 35 Statistics Canada Canadian College Student Information System Institution Codes
- 36 Statistics Canada University Student Information System Institution Codes
- 37 Society of Property Information Compilers and Analysts
- 38 The College Board and ACT, Inc. 6-Digit Code List of Secondary Institutions
- AM Association Mexicana delCodigo de Producto (AMECOP) Communication ID
- NR National Retail Merchants Association (NRMA) - Assigned
- SA User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System
- SN Standard Address Number
- ZZ Mutually Defined

ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
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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
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Description: Date of the interchange

ISA10	I09	Interchange Time	M	TM	4/4	Must use
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Description: Time of the interchange

ISA11	I65	Repetition Separator	M		1/1	Must use
-------	-----	-----------------------------	---	--	-----	----------

Description: Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator

ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
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Description: Code specifying the version number of the interchange control segments

Code List Summary (Total Codes: 15, Included: 1)

Code Name

- 00403 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1999

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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 indicating sender's request for an interchange acknowledgment				
		Code List Summary (Total Codes: 2, Included: 1)				
		Code Name				
		0 No Acknowledgment Requested				
ISA15	I14	Usage Indicator	M	ID	1/1	Must use
		Description: Code indicating whether data enclosed by this interchange envelope is test, production or information				
		Code List Summary (Total Codes: 3, Included: 2)				
		Code Name				
		P Production Data				
		T Test Data				
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
		<p>Description: Code identifying a group of application related transaction sets</p> <p>Code List Summary (Total Codes: 263, Included: 1)</p> <p>Code Name</p> <p>PO Purchase Order (850)</p>				
GS02	142	Application Sender's Code	M	AN	2/15	Must use
		<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
		<p>Description: Code identifying party receiving transmission; codes agreed to by trading partners</p>				
GS04	373	Date	M	DT	8/8	Must use
		<p>Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year</p>				
GS05	337	Time	M	TM	4/8	Must use
		<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
		<p>Description: Assigned number originated and maintained by the sender</p>				
GS07	455	Responsible Agency Code	M	ID	1/2	Must use
		<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>				

Code Name

X Accredited Standards Committee X12

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: 41, Included: 1)

Code Name

004030 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1999

Semantics:

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

Comments:

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

ST Transaction Set Header

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

User Option (Usage): Must use

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
<p>Description: Code uniquely identifying a Transaction Set</p> <p>Code List Summary (Total Codes: 314, Included: 1)</p> <p>Code Name</p> <p>850 Purchase Order</p>						
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
<p>Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set</p>						

Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

BEG Beginning Segment for Purchase Order

Pos: 0200	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								
<p>Description: Code identifying purpose of transaction set</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>00</td> <td>Original</td> </tr> <tr> <td>05</td> <td>Replace</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	00	Original	05	Replace		
<u>Code</u>	<u>Name</u>													
00	Original													
05	Replace													
BEG02	92	Purchase Order Type Code	M	ID	2/2	Must use								
<p>Description: Code specifying the type of Purchase Order</p> <p>Code List Summary (Total Codes: 71, Included: 3)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BK</td> <td>Blanket Order (Quantity Firm)</td> </tr> <tr> <td>CP</td> <td>Change to Purchase Order</td> </tr> <tr> <td>NE</td> <td>New Order</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	BK	Blanket Order (Quantity Firm)	CP	Change to Purchase Order	NE	New Order
<u>Code</u>	<u>Name</u>													
BK	Blanket Order (Quantity Firm)													
CP	Change to Purchase Order													
NE	New Order													
BEG03	324	Purchase Order Number	M	AN	1/22	Must use								
<p>Description: Identifying number for Purchase Order assigned by the orderer/purchaser</p>														
BEG05	373	Date	M	DT	8/8	Must use								
<p>Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year</p>														

Semantics:

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

REF Reference Identification

Pos: 0500	Max: >1
Heading - Mandatory	
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	M	ID	2/3	Must use
<p>Description: Code qualifying the Reference Identification</p> <p>Code List Summary (Total Codes: 1631, Included: 1)</p> <p>Code Name</p> <p>VR Vendor ID Number</p>						
REF02	127	Reference Identification	X	AN	1/50	Must use
<p>Description: 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.

REF Reference Identification

Pos: 0500	Max: >1
Heading - Mandatory	
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	M	ID	2/3	Must use
<p>Description: Code qualifying the Reference Identification</p> <p>Code List Summary (Total Codes: 1631, Included: 1)</p> <p>Code Name</p> <p>DP Department Number</p>						
REF02	127	Reference Identification	X	AN	1/50	Must use
<p>Description: 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.

REF Reference Identification

Pos: 0500	Max: >1
Heading - Mandatory	
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	M	ID	2/3	Must use
<p>Description: Code qualifying the Reference Identification</p> <p>Code List Summary (Total Codes: 1631, Included: 1)</p> <p>Code Name</p> <p>PT Purchase Option Agreement</p>						
REF02	127	Reference Identification	X	AN	1/50	Must use
<p>Description: 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.

REF Reference Identification

Pos: 0500	Max: >1
Heading - Mandatory	
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	M	ID	2/3	Must use
<p>Description: Code qualifying the Reference Identification</p> <p>Code List Summary (Total Codes: 1631, Included: 1)</p> <p>Code Name</p> <p>IT Internal Customer Number</p>						
REF02	127	Reference Identification	X	AN	1/50	Used
<p>Description: 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.

FOB F.O.B. Related Instructions

Pos: 0800	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

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: 31, Included: 6)				
		<u>Code</u> <u>Name</u>				
		CC Collect				
		CD Collect on Delivery				
		DF Defined by Buyer and Seller				
		MX Mixed				
		PC Prepaid but Charged to Customer				
		PP Prepaid (by Seller)				
FOB06	309	Location Qualifier	X	ID	1/2	Used
		Description: Code identifying type of location				
		Code List Summary (Total Codes: 176, Included: 1)				
		<u>Code</u> <u>Name</u>				
		DE Destination (Shipping)				
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. C0302 - If FOB03 is present, then FOB02 is required.
2. C0405 - If FOB04 is present, then FOB05 is required.
3. C0706 - If FOB07 is present, then FOB06 is required.
4. C0809 - If FOB08 is present, then FOB09 is required.

Semantics:

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

ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300	Max: >1
Heading - Mandatory	
Loop: N/A	Elements: 2

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				
<p>Description: Code identifying type of payment terms</p> <p>Code List Summary (Total Codes: 76, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>ZZ</td> <td>Mutually Defined</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	ZZ	Mutually Defined
<u>Code</u>	<u>Name</u>									
ZZ	Mutually Defined									
ITD12	352	Description	M	AN	1/80	Must use				
<p>Description: A free-form description to clarify the related data elements and their content</p>										

Syntax Rules:

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

Semantics:

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

Comments:

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

DTM Date/Time Reference

Pos: 1500	Max: 10
Heading - Mandatory	
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>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use
<p>Description: Code specifying type of date or time, or both date and time</p> <p>Code List Summary (Total Codes: 1226, Included: 1)</p> <p>Code Name</p> <p>038 Ship No Later</p>						
DTM02	373	Date	X	DT	8/8	Must use
<p>Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year</p>						

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.

N9 Reference Identification

Pos: 2950	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
<p>Description: Code qualifying the Reference Identification</p> <p>Code List Summary (Total Codes: 1631, Included: 1)</p> <p>Code Name</p> <p>L1 Letters or Notes</p>						
N902	127	Reference Identification	X	AN	1/50	Used
<p>Description: 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 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.

MTX Text

Pos: 3000	Max: >1
Heading - Optional	
Loop: N9	Elements: 2

User Option (Usage): Used

Purpose: To specify textual 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>
MTX01	363	Note Reference Code	O	ID	3/3	Used

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

Code List Summary (Total Codes: 342, Included: 1)

Code Name

INT General Order Instructions

MTX02	1551	Message Text	X	AN	1/4096	Used
-------	------	---------------------	---	----	--------	------

Description: To transmit large volumes of message text

Syntax Rules:

1. C0102 - If MTX01 is present, then MTX02 is required.
2. C0302 - If MTX03 is present, then MTX02 is required.
3. C0504 - If MTX05 is present, then MTX04 is required.

Semantics:

1. MTX05 is the number of lines to advance before printing.

Comments:

1. If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.

N1 Name

Pos: 3100	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 2

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				
<p>Description: Code identifying an organizational entity, a physical location, property or an individual</p> <p>Code List Summary (Total Codes: 1446, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>VN</td> <td>Vendor</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	VN	Vendor
<u>Code</u>	<u>Name</u>									
VN	Vendor									
N102	93	Name	X	AN	1/60	Used				
<p>Description: Free-form name</p>										

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.

N1 Name

Pos: 3100	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				
<p>Description: Code identifying an organizational entity, a physical location, property or an individual</p> <p>Code List Summary (Total Codes: 1446, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BT</td> <td>Bill-to-Party</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	BT	Bill-to-Party
<u>Code</u>	<u>Name</u>									
BT	Bill-to-Party									
N102	93	Name	X	AN	1/60	Used				
<p>Description: Free-form name</p>										
N103	66	Identification Code Qualifier	X	ID	1/2	Used				
<p>Description: Code designating the system/method of code structure used for Identification Code (67)</p> <p>Code List Summary (Total Codes: 223, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>D-U-N-S Number, Dun & Bradstreet</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	1	D-U-N-S Number, Dun & Bradstreet
<u>Code</u>	<u>Name</u>									
1	D-U-N-S Number, Dun & Bradstreet									
N104	67	Identification Code	X	AN	2/80	Used				
<p>Description: Code identifying a party or other code</p>										

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.

N3 Address Information

Pos: 3300	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

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

N4 Geographic Location

Pos: 3400	Max: >1
Heading - Optional	
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 Description: Free-form text for city name	O	AN	2/30	Used
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	X	ID	2/2	Used
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
N404	26	Country Code Description: Code identifying the country	X	ID	2/3	Used

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 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.

N1 Name

Pos: 3100	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>
N101	98	Entity Identifier Code	M	ID	2/3	Must use
<p>Description: Code identifying an organizational entity, a physical location, property or an individual</p> <p>Code List Summary (Total Codes: 1446, Included: 1)</p> <p><u>Code Name</u></p> <p>ST Ship To</p>						
N102	93	Name	X	AN	1/60	Used
<p>Description: Free-form name</p>						
N103	66	Identification Code Qualifier	X	ID	1/2	Used
<p>Description: Code designating the system/method of code structure used for Identification Code (67)</p> <p>Code List Summary (Total Codes: 223, Included: 1)</p> <p><u>Code Name</u></p> <p>92 Assigned by Buyer or Buyer's Agent</p> <p>Description: <i>Will be sending the 5 digit location number</i></p>						
N104	67	Identification Code	X	AN	2/80	Used
<p>Description: Code identifying a party or other code</p>						

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.

N3 Address Information

Pos: 3300	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

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

N4 Geographic Location

Pos: 3400	Max: >1
Heading - Optional	
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 Description: Free-form text for city name	O	AN	2/30	Used
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	X	ID	2/2	Used
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
N404	26	Country Code Description: Code identifying the country	X	ID	2/3	Used

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 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.

PO1 Baseline Item Data

Pos: 0100 Max: 1
 Detail - Mandatory
 Loop: PO1 Elements: 13

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 Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used
PO102	330	Quantity Ordered Description: Quantity ordered	X	R	1/15	Used
PO103	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: 803, Included: 2) Code Name CA Case EA Each	O	ID	2/2	Used
PO104	212	Unit Price Description: Price per unit of product, service, commodity, etc.	X	R	1/17	Used
PO105	639	Basis of Unit Price Code Description: Code identifying the type of unit price for an item Code List Summary (Total Codes: 91, Included: 1) Code Name PE Price per Each	O	ID	2/2	Used
PO106	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: 505, Included: 1) Code Name SK Stock Keeping Unit (SKU)	X	ID	2/2	Used
PO107	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO108	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: 505, Included: 1) Code Name ST Style Number	X	ID	2/2	Used
PO109	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
PO110	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: 505, Included: 2) Code Name UA U.P.C./EAN Case Code (2-5-5) UP UCC - 12 Description: <i>Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)</i>	X	ID	2/2	Used
PO111	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
PO112	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: 505, Included: 1) Code Name ON Customer Order Number	X	ID	2/2	Used
PO113	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used

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.
5. P1011 - If either PO110 or PO111 is present, then the other is required.
6. P1213 - If either PO112 or PO113 is present, then the other is required.
7. P1415 - If either PO114 or PO115 is present, then the other is required.

8. P1617 - If either PO116 or PO117 is present, then the other is required.
9. P1819 - If either PO118 or PO119 is present, then the other is required.
10. P2021 - If either PO120 or PO121 is present, then the other is required.
11. P2223 - If either PO122 or PO123 is present, then the other is required.
12. P2425 - If either PO124 or PO125 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.

PID Product/Item Description

Pos: 0500	Max: 1
Detail - Optional	
Loop: PID	Elements: 3

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				
<p>Description: Code indicating the format of a description</p> <p>Code List Summary (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									
PID02	750	Product/Process Characteristic Code	O	ID	2/3	Used				
<p>Description: Code identifying the general class of a product or process characteristic</p> <p>Code List Summary (Total Codes: 234, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>02</td> <td>General Product Form</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	02	General Product Form
<u>Code</u>	<u>Name</u>									
02	General Product Form									
PID05	352	Description	X	AN	1/80	Used				
<p>Description: A free-form description to clarify the related data elements and their content</p>										

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.

PO4 Item Physical Details

Pos: 0900	Max: >1
Detail - Optional	
Loop: PO1	Elements: 2

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				
PO414	810	Inner Pack	O	N0	1/6	Used
		Description: The number of eaches per inner container				

Syntax Rules:

1. P0203 - If either PO402 or PO403 is present, then the other is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. P0607 - If either PO406 or PO407 is present, then the other is required.
4. P0809 - If either PO408 or PO409 is present, then the other is required.
5. C1013 - If PO410 is present, then PO413 is required.
6. C1113 - If PO411 is present, then PO413 is required.
7. C1213 - If PO412 is present, then PO413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO417 is present, then PO416 is required.
10. C1804 - If PO418 is present, then PO404 is required.

Semantics:

1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

Comments:

1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the unit of measure of the "Size" identified in the PO402. 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".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

SLN Subline Item Detail

Pos: 4700	Max: 1
Detail - Optional	
Loop: SLN	Elements: 9

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 Description: Alphanumeric characters assigned for differentiation within a transaction set	M	AN	1/20	Must use
SLN02	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used
SLN03	662	Relationship Code Description: Code indicating the relationship between entities Code List Summary (Total Codes: 5, Included: 1) Code Name S Substituted	M	ID	1/1	Must use
SLN04	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SLN05	C001	Composite Unit of Measure Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	X	Comp		Used
SLN05-01	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: 803, Included: 2) Code Name CA Case EA Each	M	ID	2/2	Must use
SLN09	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: 505, Included: 1)	X	ID	2/2	Used

		<u>Code</u>	<u>Name</u>				
		SK	Stock Keeping Unit (SKU)				
SLN10	234	Product/Service ID		X	AN	1/48	Used
Description: Identifying number for a product or service							
SLN11	235	Product/Service ID Qualifier		X	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: 505, Included: 1)							
		<u>Code</u>	<u>Name</u>				
		ON	Customer Order Number				
SLN12	234	Product/Service ID		X	AN	1/48	Used
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. 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.

N9 Reference Identification

Pos: 5230	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
<p>Description: Code qualifying the Reference Identification</p> <p>Code List Summary (Total Codes: 1631, Included: 1)</p> <p>Code Name</p> <p>WS Warehouse storage location number</p>						
N902	127	Reference Identification	X	AN	1/50	Used
<p>Description: 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 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.

DTM Date/Time Reference

Pos: 5240	Max: >1
Detail - Optional	
Loop: N9	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>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use
<p>Description: Code specifying type of date or time, or both date and time</p> <p>Code List Summary (Total Codes: 1226, Included: 1)</p> <p>Code Name</p> <p>017 Estimated Delivery</p>						
DTM02	373	Date	X	DT	8/8	Used
<p>Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year</p>						

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.

DTM Date/Time Reference

Pos: 5240	Max: >1
Detail - Optional	
Loop: N9	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>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use
<p>Description: Code specifying type of date or time, or both date and time</p> <p>Code List Summary (Total Codes: 1226, Included: 1)</p> <p>Code Name</p> <p>061 Cancel if Not Delivered by</p>						
DTM02	373	Date	X	DT	8/8	Used
<p>Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year</p>						

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.

DTM Date/Time Reference

Pos: 5240	Max: >1
Detail - Optional	
Loop: N9	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>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use
<p>Description: Code specifying type of date or time, or both date and time</p> <p>Code List Summary (Total Codes: 1226, Included: 1)</p> <p>Code Name</p> <p>037 Ship Not Before</p>						
DTM02	373	Date	X	DT	8/8	Used
<p>Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year</p>						

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.

DTM Date/Time Reference

Pos: 5240	Max: >1
Detail - Optional	
Loop: N9	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>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use
<p>Description: Code specifying type of date or time, or both date and time</p> <p>Code List Summary (Total Codes: 1226, Included: 1)</p> <p>Code Name</p> <p>038 Ship No Later</p>						
DTM02	373	Date	X	DT	8/8	Used
<p>Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year</p>						

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.

CTT Transaction Totals

Pos: 0100	Max: 1
Summary - Optional	
Loop: CTT	Elements: 2

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>
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
		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				

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

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

AMT Monetary Amount

Pos: 0200	Max: 1
Summary - Optional	
Loop: CTT	Elements: 2

User Option (Usage): Used

Purpose: To indicate the total monetary amount

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>
AMT01	522	Amount Qualifier Code	M	ID	1/3	Must use
		Description: Code to qualify amount				
		Code List Summary (Total Codes: 1696, Included: 1)				
		<u>Code</u>		<u>Name</u>		
		TT		Total Transaction Amount		
AMT02	782	Monetary Amount	M	R	1/18	Must use
		Description: Monetary amount				

SE Transaction Set Trailer

Pos: 0300 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				