



N E X U S

X.12 850
Order
Specification 4060
V3.10.2

ANSI X.12 Implementation Guide

The Infor Nexus Order Specification is a publication intended for Infor Nexus members who are integrating with Infor Nexus.

Document Control Log

Version	Date	Author	Notes
3.10.1	2010-02-17	Burkhard Schuettler	Initial
3.10.2	2011-08-16	Adrian Valc	Added FinalReceiver Party Role Code (ENH-4551)
3.10.2	2011-08-18	Adrian Valc	Added PC (Prepaid but Charged to Customer) Freight Payment Code (ENH-4774)
3.10.2	2011-08-19	Adrian Valc	Added E (Expedited Truck) Shipment Method Code (ENH-4773)
3.10.2	2019-09-17	Zdravko Belicajevic	Replaced the logo and all references to "GT Nexus" with "Infor Nexus"

Introduction

Infor Nexus offers a platform with a secure, online workspace for buyers, sellers and essential trade service providers to initiate, conduct and settle the financial portion of their trade transaction. On this platform, there are sets of transaction workflow applications that enable all parties to a transaction to create documents, share data, make and receive payment in a collaborative, visible environment - 24 x 7. Infor Nexus' integration strategy is designed to enable collaboration among all participants in a transaction. To facilitate this seamless flow of information, our message-based architecture sends and receives data in a variety of formats to meet the diverse requirements of our customers and partners. Some of the benefits include secure messaging tools, dynamic workflow and messaging architecture, a rich document set and data translation services.

This document describes in detail the usage of the ANSI X12 Order message (850), version 4060, which supports electronic information exchange between Infor Nexus and its members.

This document defines the standard format and establishes the data contents of Infor Nexus' "Purchase Order" transaction set. A purchase order lists the parties, terms, conditions, fees, and item detail related to the purchase of goods. It may be sent to create a new Order (populates an Order in Infor Nexus), amend/change an existing Order (populates an Order Amendment), or cancel an existing Order (populates an Order Amendment). This document should not be used to convey purchase order changes unless the full order is being replaced. It may be sent to and received from Infor Nexus at many event points in the Infor Nexus Order / Amend lifecycle.

Only registered Infor Nexus Members may exchange messages with Infor Nexus. To find out more about registering with Infor Nexus or about any information contained in this document, please contact Infor Nexus at 1-800-905-TRADE.

Message Assumptions

- The sender will filter their outgoing messages, resulting in Infor Nexus only receiving Infor Nexus-related data.
- The sender will repair and re-send, if determined necessary by Infor Nexus, any message received by Infor Nexus that does not conform to this specification.
- Completion of all processing steps subsequent to Infor Nexus's receipt of this message (e.g. data augmentation, approval, etc.) is the responsibility of the sender.

Character Set

In EDI, the characters sent between parties can undergo several conversions during the transmission/receiving process via EDI mailbox networks. We therefore, recommend using only those characters recognized by ASCII devices in our transaction sets.

It should also be noted that normally “~”, “*”, “^”, are reserved for delimiting data in a transmission. Any use of these reserved characters in alphanumeric fields must be converted prior to sending data to the translator. Also, with data entered in some countries, special characters may be present in data not recognized by the translator software. It is recommended that these be removed or converted prior to sending data to the translator.

File Structure

Each file may contain multiple 850 transaction sets, each of which constitutes an Order. A message may contain information for one or more Orders.

Summary Map

Please note that the following summary map lists only the subset of 850 transaction set segments used by Infor Nexus.

Pos	Segment / Loop	Req.	Max
	ISA	M	1
	GS	M	1
0100	ST	M	1
0200	BEG	M	1
0400	CUR	O	1
0500	REF	O	>1
0800	FOB	O	>1
1100	CSH	O	5
SAC Loop			25
1200	SAC	O	1
1300	ITD	O	>1
1500	DTM	O	10
2000	MEA	O	40
2100	PWK	O	25
2400	TD5	O	>1
2600	TD4	O	5
2700	MAN	O	10
N9 Loop			1000
2950	N9	O	1
3000	MTX	O	>1
N1 Loop			200
3100	N1	O	1
3200	N2	O	2
3300	N3	O	2
3400	N4	O	>1
3500	REF	O	12
3600	PER	O	>1
PO1 Loop			100000
0100	PO1	M	1
CTP Loop			>1
0400	CTP	O	1
0430	CUR	O	1
0490	MEA	O	40
PID Loop			1000
0500	PID	O	1
0900	PO4	O	>1
1000	REF	O	>1
SAC Loop			25
1300	SAC	O	1
1370	CTP	O	1

1900	SDQ	O	500
2100	DTM	O	10
2500	TD5	O	12
2700	TD4	O	5
2910	TXI	O	>1
N1 Loop			200
3100	N1	O	1
3200	N2	O	2
3300	N3	O	2
3400	N4	O	>1
3500	REF	O	12
3600	PER	O	>1
SLN Loop			1000
4700	SLN	O	1
4900	PID	O	1000
5025	MEA	O	>1
5050	TC2	O	>1
5150	DTM	O	10
5160	CTP	O	25
5180	PO4	O	1
N9 Loop			>1
5230	N9	O	1
3000	MTX	O	>1
SAC Loop			25
5260	SAC	O	1
5280	CTP	O	1
CTT Loop			1
0100	CTT	O	1
0300	SE	M	1
	GE	M	1
	IEA	M	1

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Segment/Loop Description

Listed below are the symbols that are used within this section.

Key	Description
M	Mandatory field
X	Conditional field
O	Optional field
ID	Identifier
AN	Alphanumeric
Nn	Numeric (n indicates number of implied decimal places)
R	Decimal number
DT	Date
TM	Time

ISA**Interchange Control Header**

Status Mandatory
 Occurrences 1
 Purpose To start and uniquely identify the message.

Ref	Id	Name	Req.	Type
ISA01	I01	Authorization Information Qualifier	M	ID/2
		Code Name 00 No Authorization Information Present (No Meaningful Information in ISA02)		
ISA02	I02	Authorization Information	M	AN/10
ISA03	I03	Security Information Qualifier	M	ID/2
		Code Name 00 No Security Information Present (No Meaningful Information in ISA04)		
ISA04	I04	Security Information	M	AN/10
ISA05	I05	Interchange ID Qualifier	M	ID/2
ISA06	I06	Interchange Sender ID	M	AN/15
ISA07	I05	Interchange ID	M	ID/2
ISA08	I07	Interchange Receiver ID	M	AN/15
ISA09	I08	Interchange Date	M	DT/6
ISA10	I09	Interchange Time	M	TM/4
ISA11	I65	Repetition Separator	M	AN/1
ISA12	I11	Interchange Control Version No.	M	ID/5
		Code Name 00406 Standards Approved for Publication by ASC X12 Procedures Review Board through October 2002		
ISA13	I12	Interchange Control Number	M	N0/9
		<i>Sequentially assigned by each transmission</i>		
ISA14	I13	Acknowledge Requested	M	ID/1
		Code Name 0 No acknowledgement requested 1 Interchange acknowledgement requested		
ISA15	I14	Test Indicator	M	ID/1
		Code Name T Test P Production		
ISA16	I15	Sub-element Separator	M	AN/1

GS**Functional Group Header**

Status Mandatory
 Occurrences 1
 Purpose To indicate the beginning of a functional group and to provide control information.

Ref	Id	Name	Req.	Type
GS01	479	Functional Identifier Code	M	ID/2
		Code Name PO Purchase Order (850)		
GS02	142	Application Sender's Code	M	AN/15
GS03	124	Application Receiver's Code	M	AN/15
GS04	373	Date	M	DT/8
GS05	337	Time	M	TM/6
GS06	28	Group Control Number	M	N0/9
		<i>Sequentially assigned to groups.</i>		
GS07	455	Responsible Agency Code	M	ID/2
		Code Name X Accredited Standards Committee X12		
GS08	480	Version ID	M	AN/12
		<i>Value is set to "004060"</i>		

ST**Transaction Set Header**

Position 0100
Status Mandatory
Occurrences 1
Purpose To indicate the start of a transaction set and to assign a control number.

Ref	Id	Name	Req.	Type
ST01	143	Transaction Set Identifier Code	M	ID/3
		Code Name		
		850 Purchase Order		
ST02	329	Transaction Set Control Number	M	AN/9
		<i>Sequentially assigned for each transaction in a group</i>		

BEG**Beginning Segment for Order**

Position 0200
 Status Mandatory
 Occurrences 1
 Loop N/A
 Purpose To indicate the beginning of a Purchase Order transaction set and to transmit identifying numbers and dates.

Ref	Id	Name	Req.	Type														
BEG01	353	Transaction Set Purpose Code	M	ID/2														
Description: xml=orderDetail/orderFunctionCode <table border="0"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>Original</td> </tr> <tr> <td>01</td> <td>Cancellation</td> </tr> <tr> <td>03</td> <td>Delete</td> </tr> <tr> <td>05</td> <td>Replace</td> </tr> <tr> <td>16</td> <td>Proposed (Negotiate)</td> </tr> <tr> <td>54</td> <td>Approval (Authorize)</td> </tr> </tbody> </table>					Code	Name	00	Original	01	Cancellation	03	Delete	05	Replace	16	Proposed (Negotiate)	54	Approval (Authorize)
Code	Name																	
00	Original																	
01	Cancellation																	
03	Delete																	
05	Replace																	
16	Proposed (Negotiate)																	
54	Approval (Authorize)																	
BEG02	92	Purchase Order Type Code	M	ID/2														
Description: xml=orderDetail/orderType																		
BEG03	324	Purchase Order Number	M	AN/22														
Description: xml=orderDetail/poNumber																		
BEG04	328	Release Number	O	AN/30														
Description: xml=orderDetail/revisionNumber																		
BEG05	373	Date	O	DT/8														
Description: xml=orderTerms/orderDate[orderDateTypeCode='Issue']																		
BEG06	367	Contract Number	O	AN/30														
Description: xml=orderDetail/contractNumber																		

CUR**Currency**

Position 0400
Status Optional
Occurrences 1
Loop N/A
Purpose To specify the currency (dollars, pounds, francs, etc.) used in a transaction.

Ref	Id	Name	Req.	Type
CUR01	98	Entity Identifier Code	M	ID/3
		Code Name		
		BY Buying Party		
CUR02	100	Currency Code	M	ID/3
		Description: xml=orderTerms/currencyCode		

REF Reference Information

Position 0500
 Status Optional
 Occurrences >1
 Loop N/A
 Purpose To specify identifying information.

Ref	Id	Name	Req.	Type
REF01	128	Reference Identification Qualifier	M	ID/3
		Code Name		
		CR Customer Reference Number		
		ZZ Infor Nexus Order UID <i>Outbound messages only</i>		
REF02	127	Reference Identification	X	AN/50
		Description: xml=orderTerms/reference/value (CR) or orderUid (ZZ - <i>outbound messages only</i>)		
REF03	352	Description	X	AN/80
		Description: xml=orderTerms/reference/type (CR) (value is set to ORDERUID when REF01 = ZZ - <i>outbound messages only</i>)		

Semantics:

REF01 is the primary qualifier indicating how the value in REF02 is to be interpreted. In certain cases, REF03 is used to further qualify the meaning of REF02, as follows:

When REF01=CR, REF02 is a user defined reference value and REF03 contains the user defined reference type or qualifier.

When REF01=ZZ, REF02 contains a Infor Nexus identifier (UID) as defined in REF03 (ex. ORDERUID).

Comments:

REF01 value ZZ for Infor Nexus Order UID is outbound only.

FOB**F.O.B. Related Instructions**

Position 0800
 Status Optional
 Occurrences >1
 Loop N/A
 Purpose To specify transportation instructions relating to shipment.

Ref	Id	Name	Req.	Type								
FOB01	146	Shipment Method of Payment	M	ID/2								
Description: xml=orderTerms/freightPaymentCode												
<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>CC</td> <td>Collect</td> </tr> <tr> <td>PC</td> <td>Prepaid but Charged to Customer</td> </tr> <tr> <td>PP</td> <td>Prepaid</td> </tr> </tbody> </table>					Code	Name	CC	Collect	PC	Prepaid but Charged to Customer	PP	Prepaid
Code	Name											
CC	Collect											
PC	Prepaid but Charged to Customer											
PP	Prepaid											
FOB02		NOT USED										
FOB03		NOT USED										
FOB04	334	Transportation Terms Qualifier Code	O	ID/2								
<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Incoterms</td> </tr> </tbody> </table>					Code	Name	01	Incoterms				
Code	Name											
01	Incoterms											
FOB05	335	Transportation Terms Code	X	ID/3								
Description: xml=orderTerms/incotermCode												
FOB06	309	Location Qualifier	X	ID/2								
<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>UN</td> <td>UN United Nations Location Code (UNLOCODE)</td> </tr> </tbody> </table>					Code	Name	UN	UN United Nations Location Code (UNLOCODE)				
Code	Name											
UN	UN United Nations Location Code (UNLOCODE)											
FOB07	352	Description	O	AN/80								
Description: xml=orderTerms/incotermLocationCode												

Syntax Rules:

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

CSH**Sales Requirements**

Position 1100
Status Optional
Occurrences 5
Loop N/A
Purpose To specify general conditions or requirements of the sale

Ref	Id	Name	Req.	Type
CSH01		NOT USED		
CSH02		NOT USED		
CSH03		NOT USED		
CSH04	508	Account Number	O	AN/35
Description: xml=orderDetail/debitBankAccountNumber				

SAC Loop**Allowances/Charges**

Repeat: 25
Status: Optional
Loop: N/A
Purpose: To specify allowances and charges.

Pos	Id	Segment/Loop Name	Req.	Max
1200	SAC	Service, Promotion, Allowance, or Charge	O	1

SAC**Service, Promotion, Allowance, or Charge Information**

Position 1200
 Status Optional
 Occurrences 1
 Loop SAC
 Purpose To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge.

Ref	Id	Name	Req.	Type
SAC01	248	Allowance or Charge Indicator	M	ID/1
<i>Derived using orderTerms/allowanceCharge/allowanceChargeIndicatorCode</i>				
		Code	Name	
		A	Allowance	
		C	Charge	
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID/4
Description: xml=orderTerms/allowanceCharge/allowanceChargeIndicatorCode				
		Code	Name	
		A170	Adjustments (Charge-back)	
		A380	Allowance Advance	
		A485	Assist Amount	
		B090	Charges Forward/Advance Charge	
		C310	Discount	
SAC03	559	Agency Qualifier Code	X	ID/2
		Code	Name	
		ZZ	Mutually Defined	
SAC04	1301	Agency Service/Promotion/Allowance/Charge Code	X	AN/10
Description: xml=orderTerms/allowanceCharge/reasonType				
SAC05	610	Amount	O	N2/15
Description: xml=orderTerms/allowanceCharge/allowanceChargeValue <i>May be used to specify a flat amount</i>				
SAC06	378	Allowance/Charge Percent Qualifier	X	ID/1
Description: xml=orderTerms/allowanceCharge/allowanceChargePercentBasisCode <i>Applicable when amount is a percentage</i>				
		Code	Name	
		0	Gross	
		2	Item Net Cost	
		B	Item Total Amount	
		C	Item Unit Price	
SAC07	332	Percent, Decimal Format	X	R/6
Description: xml=orderTerms/allowanceCharge/allowanceChargeValue <i>Applicable when amount is a percentage</i>				
SAC08	118	Rate	O	R/9
Description: xml=orderTerms/allowanceCharge/perUnit				
SAC09	355	Unit or Basis for Measurement Code	X	ID/2
		Code	Name	
		EA	Each	
SAC10	380	Quantity	X	R/15
Description: xml=orderTerms/allowanceCharge/quantity				

SAC11		NOT USED										
SAC12	331	Allowance or Charge Method of Handling Code	O	ID/2								
Description: xml=orderTerms/allowanceCharge/allowanceChargeHandlingCode												
<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>Information Only</td> </tr> <tr> <td>CC</td> <td>Collect</td> </tr> <tr> <td>PP</td> <td>Prepaid</td> </tr> </tbody> </table>					Code	Name	15	Information Only	CC	Collect	PP	Prepaid
Code	Name											
15	Information Only											
CC	Collect											
PP	Prepaid											
SAC13	127	Reference Information	X	AN/50								
Description: xml=orderTerms/allowanceCharge/allowanceChargeNumber												
SAC14		NOT USED										
SAC15	352	Description	X	AN/80								
Description: xml=orderTerms/allowanceCharge/reasonDescription												

Syntax Rules:

1. At least one of SAC02 or SAC03 is required.
2. If either SAC03 or SAC04 is present, then the other is required.
3. If either SAC06 or SAC07 is present, then the other is required.
4. If either SAC09 or SAC10 is present, then the other is required.

Semantics:

SAC05 is the total amount for the service, promotion, allowance, or charge.

If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

SAC08 is the allowance or charge rate per unit.

SAC10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.

ITD**Terms of Sale/Deferred Terms of Sale**

Position 1300
 Status Optional
 Occurrences >1
 Loop N/A
 Purpose To specify terms of sale.

Ref	Id	Name	Req.	Type
ITD01	336	Terms Type Code	O	ID/2
		Code Name		
		38 Dating Given		
		ZZ Additional Conditions		
ITD02	333	Terms Basis Date Code	O	ID/2
Description: xml=paymentTerms/paymentTenorStartDateCode				
		Code Name		
		3 Invoice Date		
		5 Invoice Receipt Date		
		11 Completion And Acceptance Date		
		15 Receipt of Goods		
		ZZ Other Terms		
ITD03		NOT USED		
ITD04		NOT USED		
ITD05		NOT USED		
ITD06	446	Terms Net Due Date	O	DT/8
Description: xml=paymentTerms/paymentTenorBaseDate				
ITD07	386	Terms Net Days	O	N0/3
Description: xml=paymentTerms/paymentTenorDaysCode				
ITD08		NOT USED		
ITD09		NOT USED		
ITD10		NOT USED		
ITD11		NOT USED		
ITD12	352	Description	O	AN/80
Description: xml=paymentTerms/paymentTenorNotes (ITD01 = 38) or additionalConditionText (ITD01 = ZZ)				

DTM **Date/Time Reference**

Position 1500
 Status Optional
 Occurrences 10
 Loop N/A
 Purpose To specify pertinent dates and times.

Ref	Id	Name	Req.	Type												
DTM01	374	Date/Time Qualifier	M	ID/3												
		<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>001</td> <td>Cancel After</td> </tr> <tr> <td>036</td> <td>Expiration</td> </tr> <tr> <td>037</td> <td>Ship Not Before</td> </tr> <tr> <td>038</td> <td>Ship No Later</td> </tr> <tr> <td>AAH</td> <td>Event</td> </tr> </tbody> </table> <p><i>Outbound messages only</i></p>	Code	Name	001	Cancel After	036	Expiration	037	Ship Not Before	038	Ship No Later	AAH	Event		
Code	Name															
001	Cancel After															
036	Expiration															
037	Ship Not Before															
038	Ship No Later															
AAH	Event															
DTM02	373	Date	X	DT/8												
Description: xml=orderTerms/orderDate[orderDateTypeCode= <i>type</i>] where <i>type</i> = 'CancelAfter', 'Earliest', 'Latest', 'OfferExpiry' or subscriptionEvent/eventDate																

Comments:

DTM01 value AAH is outbound only.

MEA**Measurements**

Position 2000
 Status Optional
 Occurrences 40
 Loop N/A
 Purpose To specify physical measurements or counts, including dimensions, tolerances, variances, and weights.

Ref	Id	Name	Req.	Type
MEA01	737	Measurement Reference ID Code	O	ID/2
		Code Name QV Quantity Variation		
MEA02		NOT USED		
MEA03		NOT USED		
MEA04	355	Unit or Basis for Measurement Code	X	ID/2
		Description: xml=orderTerms/orderVariance/varianceTypeCode		
		Code Name 1N Count P1 Percent		
MEA04	740	Range Minimum	X	R/20
		Description: xml=orderTerms/orderVariance/lowerVariance		
MEA05	741	Range Maximum	X	R/20
		Description: xml=orderTerms/orderVariance/upperVariance		

PWK**Paperwork**

Position 2100
 Status Optional
 Occurrences 25
 Loop N/A
 Purpose To identify the type or transmission or both of paperwork or supporting information.

Ref	Id	Name	Req.	Type
PWK01	755	Report Type Code	M	ID/2
		Code Name		
		AE Attachment		
PWK02		NOT USED		
PWK03		NOT USED		
PWK04		NOT USED		
PWK05	66	Identification Code Qualifier	X	ID/2
		Code Name		
		ZZ Mutually Defined		
PWK06	67	Identification Code	X	AN/80
		Description: xml=additionalDocumentRequired/number		
PWK07	352	Description	O	AN/80
		Description: xml=additionalDocumentRequired/name		

Syntax Rules:

If either PWK05 or PWK06 is present, then the other is required.

TD5**Carrier Details (Routing Sequence/Transit Time)**

Position 2400
 Status Optional
 Occurrences >1
 Loop N/A
 Purpose To specify the carrier and sequence of routing and provide transit time information.

Ref	Id	Name	Req.	Type
TD501		NOT USED		
TD502		NOT USED		
TD503		NOT USED		
TD504	91	Transportation Method/Type Code	X	ID/2
Description: xml=orderTerms/shipmentMethodCode				
	Code	Name		
	A	Air		
	B	Barge		
	E	Expedited Truck		
	G	Consignee Option		
	H	Customer Pickup		
	L	Contract Carrier		
	M	Motor (Common Carrier)		
	P	Private Carrier		
	R	Rail		
	S	Ocean		
	T	Truck		
	U	Private Parcel Service		
	AE	Air Express		
	AF	Air Freight		
	SE	Sea/Air		
	ZZ	Other		

TD4**Carrier Details (Special Handling)**

Position 2600
 Status Optional
 Occurrences 5
 Loop N/A
 Purpose To specify transportation special handling requirements, or hazardous materials information, or both.

Ref	Id	Name	Req.	Type								
TD401	152	Special Handling Code	X	ID/2								
		<table border="0"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>OPT</td> <td>Partial Shipment</td> </tr> <tr> <td>TS</td> <td>Transit Shipment</td> </tr> <tr> <td>WI</td> <td>Waive Inspection</td> </tr> </tbody> </table>	Code	Name	OPT	Partial Shipment	TS	Transit Shipment	WI	Waive Inspection		
Code	Name											
OPT	Partial Shipment											
TS	Transit Shipment											
WI	Waive Inspection											
TD402		NOT USED										
TD403		NOT USED										
TD404	352	Description	X	AN/80								
		Description: value is "Is Partial Shipment Allowed" when TD401 = OPT, "Is Transshipment Allowed" when TD401 = TS, "Is Inspection Not Required" when TD401 = WI										
TD405	1073	Yes/No Condition or Response Code	O	ID/1								
		Description: xml=orderTerms/isPartialShipmentAllowed (OPT) or orderTerms/isTransShipmentAllowed (TS) or orderTerms/isInspectionRequired (WI)										
		<table border="0"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>N</td> <td>No</td> </tr> <tr> <td>Y</td> <td>Yes</td> </tr> </tbody> </table>	Code	Name	N	No	Y	Yes				
Code	Name											
N	No											
Y	Yes											

MAN**Marks and Numbers Information**

Position 2700
 Status Optional
 Occurrences 10
 Loop N/A
 Purpose To indicate identifying marks and numbers for shipping containers.

Ref	Id	Name	Req.	Type																																												
MAN01	88	Marks and Numbers Qualifier	M	ID/2																																												
Description: xml=packageMark/markNumberTypeCode																																																
<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr><td>L</td><td>Line Item Only</td></tr> <tr><td>R</td><td>Originator Assigned</td></tr> <tr><td>S</td><td>Entire Shipment</td></tr> <tr><td>W</td><td>Pallet Number</td></tr> <tr><td>X</td><td>Pallet Configuration Number</td></tr> <tr><td>AA</td><td>SSCC-18</td></tr> <tr><td>AI</td><td>UCC/EAN-128 Application Identifier (AI) and Data</td></tr> <tr><td>CA</td><td>Shipper-Assigned Case Number</td></tr> <tr><td>CP</td><td>Carrier-Assigned Package ID Number</td></tr> <tr><td>DZ</td><td>Receiver Assigned Drop Zone</td></tr> <tr><td>GM</td><td>SSCC-18 and Application Identifier</td></tr> <tr><td>MC</td><td>Master Carton Number</td></tr> <tr><td>MT</td><td>Marked Ticket Price</td></tr> <tr><td>PB</td><td>Premarked by Buyer</td></tr> <tr><td>SI</td><td>Self-Identifying Container via Radio Frequency ID Device</td></tr> <tr><td>SM</td><td>Shipper Assigned</td></tr> <tr><td>SR</td><td>Shipper Assigned Roll Number</td></tr> <tr><td>SS</td><td>Shipper Assigned Skid Number</td></tr> <tr><td>UC</td><td>U.P.C. Shipping Container Code</td></tr> <tr><td>UP</td><td>U.P.C. Consumer Package Code (1-5-5-1)</td></tr> <tr><td>ZZ</td><td>Mutually Defined</td></tr> </tbody> </table>					Code	Name	L	Line Item Only	R	Originator Assigned	S	Entire Shipment	W	Pallet Number	X	Pallet Configuration Number	AA	SSCC-18	AI	UCC/EAN-128 Application Identifier (AI) and Data	CA	Shipper-Assigned Case Number	CP	Carrier-Assigned Package ID Number	DZ	Receiver Assigned Drop Zone	GM	SSCC-18 and Application Identifier	MC	Master Carton Number	MT	Marked Ticket Price	PB	Premarked by Buyer	SI	Self-Identifying Container via Radio Frequency ID Device	SM	Shipper Assigned	SR	Shipper Assigned Roll Number	SS	Shipper Assigned Skid Number	UC	U.P.C. Shipping Container Code	UP	U.P.C. Consumer Package Code (1-5-5-1)	ZZ	Mutually Defined
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ZZ	Mutually Defined																																															
MAN02	87	Marks and Numbers	M	AN/48																																												
Description: xml=packageMark/markNumberFrom																																																
MAN03	87	Marks and Numbers	O	AN/48																																												
Description: xml=packageMark/markNumberTo																																																
MAN04	88	Marks and Numbers Qualifier	X	ID/2																																												
Description: xml=packageMark/markNumberTypeCode																																																
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		SM	Shipper Assigned		
		SR	Shipper Assigned Roll Number		
		SS	Shipper Assigned Skid Number		
		UC	U.P.C. Shipping Container Code		
		UP	U.P.C. Consumer Package Code (1-5-5-1)		
		ZZ	Mutually Defined		
MAN05	87	Marks and Numbers		X	AN/48
Description: xml=packageMark/markNumberFrom					
MAN06	87	Marks and Numbers		O	AN/48
Description: xml=packageMark/markNumberTo					

Syntax Rules:

1. P0405 - If either MAN04 or MAN05 is present, then the other is required.
2. C0605 - If MAN06 is present, then MAN05 is required.

Semantics:

MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.

When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.

When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

Comments:

MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers.

When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.

N9 Loop**Extended Reference Information**

Repeat: 1000
Status: Optional
Loop: N/A
Purpose: To specify extended reference information.

Pos	Id	Segment/Loop Name	Req.	Max
2950	N9	Extended Reference Information	O	1
3000	MTX	Text	O	>1

N9**Extended Reference Information**

Position 2950
 Status Optional
 Occurrences 1
 Loop N9
 Purpose To transmit identifying information as specified by the Reference Identification Qualifier.

Ref	Id	Name	Req.	Type
N901	128	Reference Identification Qualifier	M	ID/3
		Code Name		
		1Q Error Identification Code <i>Outbound messages only</i>		
		2G Amendment <i>Outbound messages only</i>		
		E9 Application Notes		
N902		NOT USED		
N903	369	Free-form Description	X	AN/45
Description: value is "ValidationErrorText" when N901 = 1Q or "ChangeDescription" when N901 = 2G or "AttachedNotes" when N901 = E9				

Comments:

N901 values 1Q and 2G are outbound only.

MTX**Text**

Position 3000
 Status Optional
 Occurrences >1
 Loop N9
 Purpose To specify textual data.

Ref	Id	Name	Req.	Type
MTX01	363	Note Reference Code	O	ID/3
		Code		Name
		APN		Application Notes (Attached Notes)
		CHG		Change <i>Outbound messages only</i>
		VEC		Verification Comments (Validation Errors) <i>Outbound messages only</i>
MTX02	1551	Textual Data	X	AN/4096
		Description: xml=orderDetail/validationErrorText (VEC) or orderDetail/changeDescription (CHG) or orderTerms/attachedNotes (APN)		

Comments:

MTX01 values CHG and VEC are outbound only.

N1 Loop**Order Parties/Destinations**

Repeat: 200
Status: Optional
Loop: N/A
Purpose: To specify party information.

Pos	Id	Segment/Loop Name	Req.	Max
3100	N1	Party Identification	O	1
3200	N2	Additional Name Information	O	2
3300	N3	Address Information	O	2
3400	N4	Geographic Location	O	>1
3500	REF	Reference Identification	O	12
3600	PER	Administrative Communications Contact	O	>1

N1**Party Identification**

Position 3100
 Status Optional
 Occurrences 1
 Loop N1
 Purpose To identify a party by type of organization, name, and code.

Ref	Id	Name	Req.	Type																																		
N101	98	Entity Identifier Code	M	ID/3																																		
		<table border="0"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr><td>AG</td><td>Agent/Agency</td></tr> <tr><td>BY</td><td>Buying Party (Purchaser)</td></tr> <tr><td>CA</td><td>Carrier</td></tr> <tr><td>CB</td><td>Customs Broker</td></tr> <tr><td>CN</td><td>Consignee</td></tr> <tr><td>EV</td><td>Selling Agent</td></tr> <tr><td>FS</td><td>Final Scheduled Destination</td></tr> <tr><td>FW</td><td>Forwarder</td></tr> <tr><td>GF</td><td>Inspection Company</td></tr> <tr><td>MA</td><td>Final Receiver</td></tr> <tr><td>N1</td><td>Notify Party no. 1</td></tr> <tr><td>N2</td><td>Notify Party no. 2</td></tr> <tr><td>O2</td><td>Originating Company</td></tr> <tr><td>SE</td><td>Selling Party</td></tr> <tr><td>ST</td><td>Ship To</td></tr> <tr><td>ABE</td><td>Additional Address</td></tr> </tbody> </table>	Code	Name	AG	Agent/Agency	BY	Buying Party (Purchaser)	CA	Carrier	CB	Customs Broker	CN	Consignee	EV	Selling Agent	FS	Final Scheduled Destination	FW	Forwarder	GF	Inspection Company	MA	Final Receiver	N1	Notify Party no. 1	N2	Notify Party no. 2	O2	Originating Company	SE	Selling Party	ST	Ship To	ABE	Additional Address		
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O2	Originating Company																																					
SE	Selling Party																																					
ST	Ship To																																					
ABE	Additional Address																																					
N102	93	Name	X	AN/60																																		
		Description: xml=name																																				
N103	66	Identification Code Qualifier	X	ID/2																																		
		<table border="0"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr><td>93</td><td>Sender assigned ID</td></tr> <tr><td>94</td><td>Recipient assigned ID</td></tr> </tbody> </table>	Code	Name	93	Sender assigned ID	94	Recipient assigned ID																														
Code	Name																																					
93	Sender assigned ID																																					
94	Recipient assigned ID																																					
		Description: A Qualifier denoting whether the party is referred to by a Infor Nexus ID or other organization identifier. This field will contain 93 when N104 is a GT Nexus organization ID. It will contain 94 when N104 represents an alternate identity, i.e. an ID as used by the receiver of this message.																																				
N104	67	Identification Code	X	AN/80																																		
		Description: xml=memberIdentification/memberId (93) or memberIdentification/identification/value (94)																																				

Syntax Rules:

1. At least one of N102 or N103 is required.
2. If either N103 or N104 is present, then the other is required.

N2**Additional Name Information**

Position 3200
Status Optional
Occurrences 2
Loop N1
Purpose To specify the long name of the named party or shipment destination.

Ref	Id	Name	Req.	Type
N201	93	Name	M	AN/60
Description: xml=longName				

N3**Address Information**

Position 3300
Status Optional
Occurrences 2
Loop N1
Purpose To specify the location of the named party or shipment destination.

Ref	Id	Name	Req.	Type
N301	166	Address Information	M	AN/55
Description: xml=addressLine1				
N302	166	Address Information	O	AN/55
Description: xml=addressLine2				

N4**Geographic Location**

Position 3400
 Status Optional
 Occurrences >1
 Loop N1
 Purpose To specify the geographic place of the named party or shipment destination.

Ref	Id	Name	Req.	Type				
N401	19	City Name	O	AN/30				
Description: xml=city								
N402	156	State or Province Code	X	ID/2				
Description: xml=stateOrProvince								
N403	116	Postal Code	O	ID/15				
Description: xml=postalCodeNumber								
N404	26	Country Code	X	ID/3				
Description: xml=countryCode								
N405	309	Location Qualifier	X	ID/2				
<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>UN</td> <td>United Nations Location Code (UNLOCODE)</td> </tr> </tbody> </table>					Code	Name	UN	United Nations Location Code (UNLOCODE)
Code	Name							
UN	United Nations Location Code (UNLOCODE)							
N406	310	Location Identifier	O	AN/30				
Description: xml=locationCode								
N407	1715	Country Subdivision Code	X	ID/3				
Description: xml=stateOrProvince								
<i>Used when stateOrProvince length is 3 characters</i>								

Syntax Rules:

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

REF**Reference Information**

Position 3500
 Status Optional
 Occurrences 12
 Loop N1
 Purpose To specify identifying information.

Ref	Id	Name	Req.	Type						
REF01	128	Reference Identification Qualifier	M	ID/3						
		<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>ACB</td> <td>ACB Region</td> </tr> <tr> <td>DP</td> <td>Department Number</td> </tr> </tbody> </table>	Code	Name	ACB	ACB Region	DP	Department Number		
Code	Name									
ACB	ACB Region									
DP	Department Number									
REF02	127	Reference Identification	X	AN/50						
		Description: xml=contact/department (DP) or contact/region (ACB)								

PER**Administrative Communications Contact**

Position 3600
 Status Optional
 Occurrences >1
 Loop N1
 Purpose To identify a person or office to whom administrative communications should be directed.

Ref	Id	Name	Req.	Type
PER01	366	Contact Function Code	M	ID/2
		Code Name AJ Primary Contact		
PER02	93	Name	O	AN/60
		Description: xml=contact/name		
PER03	365	Communication Number Qualifier	X	ID/2
		Code Name EM Electronic Mail		
PER04	364	Communication Number	X	AN/256
		Description: xml=contact/emailAddress		
PER05	365	Communication Number Qualifier	X	ID/2
		Code Name TE Telephone		
PER06	364	Communication Number	X	AN/256
		Description: xml=contact/phone		
PER07	365	Communication Number Qualifier	X	ID/2
		Code Name FX Facsimile		
PER08	364	Communication Number	X	AN/256
		Description: xml=contact/fax		

Syntax Rules:

1. If either PER03 or PER04 is present, then the other is required.
2. If either PER05 or PER06 is present, then the other is required.
3. If either PER07 or PER08 is present, then the other is required.

PO1 Loop**Order Items**

Repeat: 100000
 Status: Optional
 Loop: N/A
 Purpose: To specify line item information pertinent to an order.

Pos	Id	Segment/Loop Name	Req.	Max
0100	PO1	Baseline Item Data	M	1
	CTP Loop	Pricing Information		>1
0490	MEA	Measurements	O	40
	PID Loop	Product/Item Description	O	1000
0900	PO4	Item Physical Details	O	>1
1000	REF	Reference Information	O	>1
	SAC Loop	Item Allowances/Charges		25
1900	SDQ	Destination Quantity	O	500
2100	DTM	Date/Time Reference	O	10
2500	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
2700	TD4	Carrier Details (Special Handling)	O	5
2910	TXI	Tax Information	O	>1
	N1 Loop	Origin Of Goods		1000
	SLN Loop	Subline Items		1000

PO1

Baseline Item Data

Position 0100
 Status Mandatory
 Occurrences 1
 Loop PO1
 Purpose To specify basic and most frequently used line item data.

Ref	Id	Name	Req.	Type
PO101	350	Assigned Identification	O	AN/20
Description: xml=orderItem/itemKey				
PO102	380	Quantity	X	R/15
Description: xml=baseltem/quantity				
PO103	355	Unit or Basis for Measurement Code	O	ID/2
Description: xml=baseltem/unitOfMeasureCode See appendix for list of codes used				
PO104	212	Unit Price	X	R/17
Description: xml=orderItem/itemPrice/pricePerUnit				
PO105		NOT USED		
PO106	235	Product/Service ID Qualifier	X	ID/2

Description: The qualifier describing the item identification, description, or other attribute in the segment that follows.

Code	Name
UP	UCC - 12, a.k.a. Universal Product Code (U.P.C.) <i>itemIdentifierTypeCode=UpcNumber</i>
IN	Buyer's Item Number <i>itemIdentifierTypeCode=BuyerNumber</i>
VN	Vendor's Item Number <i>itemIdentifierTypeCode=SellerNumber</i>
SK	Stock Keeping Unit (SKU) <i>itemIdentifierTypeCode=SKUNumber</i>
CH	Country of Origin Code <i>itemIdentifierTypeCode=CountryOfOrigin</i>
GE	Generic Name Description <i>itemIdentifierTypeCode=ShortDescription</i>
LT	Lot Number <i>itemIdentifierTypeCode=LotNumber</i>
BO	BO Buyers Color <i>itemIdentifierTypeCode=IdBuyerColor</i>
IZ	Buyer's Size Code <i>itemIdentifierTypeCode=IdBuyerSize</i>
IT	Buyer's Style Number <i>itemIdentifierTypeCode=IdBuyerStyle</i>
CL	Color <i>itemIdentifierTypeCode=IdColor</i>
EO	UCC - 8 <i>itemIdentifierTypeCode=IdEANUCC8</i>
EN	UCC - 13 <i>itemIdentifierTypeCode=IdEANUCC13</i>
VE	Vendor Color <i>itemIdentifierTypeCode=IdSellerColor</i>
SZ	Vendor Alphanumeric Size Code

	VA	<i>itemIdentifierTypeCode=IdSellerSize</i> Vendor's Style Number		
	ST	<i>itemIdentifierTypeCode=IdSellerStyle</i> Style Number		
	PK	<i>itemIdentifierTypeCode=IdStyle</i> PK Packaging Drawing		
	HD	<i>xml=baseltem/packageInstruction/packInstructionReference</i> International Harmonized Commodity Code		
		<i>xml=baseltem/customsClassification/classificationNumber</i>		
PO107	234	Product/Service ID	X	AN/48
Description: The item identification, description, or other attribute qualified by the previous segment.				
PO108	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as PO106				
PO109	234	Product/Service ID	X	AN/48
Description: Follows the same rules as PO107				
PO110	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as PO106				
PO111	234	Product/Service ID	X	AN/48
Description: Follows the same rules as PO107				
PO112	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as PO106				
PO113	234	Product/Service ID	X	AN/48
Description: Follows the same rules as PO107				
PO114	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as PO106				
PO115	234	Product/Service ID	X	AN/48
Description: Follows the same rules as PO107				
PO116	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as PO106				
PO117	234	Product/Service ID	X	AN/48
Description: Follows the same rules as PO107				
PO118	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as PO106				
PO119	234	Product/Service ID	X	AN/48
Description: Follows the same rules as PO107				
PO120	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as PO106				
PO121	234	Product/Service ID	X	AN/48
Description: Follows the same rules as PO107				
PO122	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as PO106				
PO123	234	Product/Service ID	X	AN/48
Description: Follows the same rules as PO107				
PO124	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as PO106				
PO125	234	Product/Service ID	X	AN/48
Description: Follows the same rules as PO107				

Syntax Rules:

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

2. P0607 - If either PO106 or PO107 is present, then the other is required.
3. P0809 - If either PO108 or PO109 is present, then the other is required.
4. P1011 - If either PO110 or PO111 is present, then the other is required.
5. P1213 - If either PO112 or PO113 is present, then the other is required.
6. P1415 - If either PO114 or PO115 is present, then the other is required.
7. P1617 - If either PO116 or PO117 is present, then the other is required.
8. P1819 - If either PO118 or PO119 is present, then the other is required.
9. P2021 - If either PO120 or PO121 is present, then the other is required.
10. P2223 - If either PO122 or PO123 is present, then the other is required.
11. P2425 - If either PO124 or PO125 is present, then the other is required.

Semantics:

PO102 is quantity ordered.

Comments:

PO101 is the line item identification.

PO106 through PO125 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.

CTP Loop**Pricing Information**

Repeat: >1
Status Optional
Loop PO1
Purpose To specify pricing information.

Pos	Id	Segment/Loop Name	Req.	Max
0400	CTP	Pricing Information	O	1
0430	CUR	Currency	O	1

CTP**Pricing Information**

Position 0400
 Status Optional
 Occurrences 1
 Loop PO1/CTP
 Purpose To specify pricing information.

Ref	Id	Name	Req.	Type																																																				
CTP01		NOT USED																																																						
CTP02	236	Price Identifier Code	X	ID/3																																																				
Description: xml=orderItem/itemPrice/pricing/priceTypeCode																																																								
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CTP03	212	Unit Price	X	R/17																																																				
Description: xml=orderItem/itemPrice/pricing/priceValue																																																								

Syntax Rules:

If either CTP02 or CTP03 is present, then the other is required.

CUR**Currency**

Position 0430
Status Optional
Occurrences 1
Loop PO1/CTP
Purpose To specify the currency (dollars, pounds, francs, etc.) used in a transaction.

Ref	Id	Name	Req.	Type
CUR01		NOT USED		
CUR02	100	Currency Code	M	ID/3
Description: xml=orderItem/itemPrice/pricing/currencyCode				

MEA**Measurements**

Position 0490
 Status Optional
 Occurrences 40
 Loop PO1
 Purpose To specify physical measurements or counts, including dimensions, tolerances, variances, and weights.

Ref	Id	Name	Req.	Type
MEA01	737	Measurement Reference ID Code	O	ID/2
		Code Name		
		PD Physical Dimensions		
		QV Quantity Variation		
MEA02	738	Measurement Qualifier	O	ID/3
Description: xml=baseltem/measurement/measurementTypeCode				
		Code Name		
		G Gross Weight		
		HT Height		
		LN Length		
		NNW Net Net Weight		
		N Net Weight		
		VOL Gross Volume		
		VWT Volume Weight		
		WD Width		
MEA03	739	Measurement Value	X	R/20
Description: xml=baseltem/measurement/measurementValue				
MEA04	355	Unit or Basis for Measurement Code	X	ID/2
Description: xml=baseltem/itemVariance/varianceTypeCode or baseltem/measurement/unitOfMeasureCode <i>See Appendix for UOM code values</i>				
		Code Name		
		1N Count		
		P1 Percent		
MEA04	740	Range Minimum	X	R/20
Description: xml=baseltem/itemVariance/lowerVariance				
MEA05	741	Range Maximum	X	R/20
Description: xml=baseltem/itemVariance/upperVariance				

PID Loop**Product/Item Description**

Repeat: 1000
Status: Optional
Loop: PO1
Purpose: To describe a product or process.

Pos	Id	Segment/Loop Name	Req.	Max
0500	PID	Product/Item Description	O	1

PID**Product/Item Description**

Position 0500
 Status Optional
 Occurrences 1000
 Loop PO1/PID
 Purpose To describe a product or process in coded or free-form format.

Ref	Id	Name	Req.	Type
PID01	349	Item Description Type	M	ID/1
		Code Name		
		F Free-form		
PID02	750	Product/Process Characteristic Code	O	ID/3
Description: xml=baseltem/itemDescriptor/itemDescriptorTypeCode				
		Code Name		
		75 Buyer's Color Description <i>itemDescriptorTypeCode=DescBuyerColor</i>		
		08 Product <i>itemDescriptorTypeCode=LongDescription</i>		
		AH Material <i>itemDescriptorTypeCode=DescMaterial</i>		
		MAC Material Classification <i>itemDescriptorTypeCode=DescMaterialClass</i>		
		73 Vendor color description <i>itemDescriptorTypeCode=DescSellerColor</i>		
		74 Vendor size description <i>itemDescriptorTypeCode=DescSellerSize</i>		
PID03		NOT USED		
PID04		NOT USED		
PID05	352	Description	M	AN/80
Description: xml=baseltem/itemDescriptor/itemDescriptorValue				

PO4**Item Physical Details**

Position 0900
 Status Optional
 Occurrences >1
 Loop PO1
 Purpose To specify the physical qualities, packaging, weights, and dimensions relating to the item.

Ref	Id	Name	Req.	Type
PO401	356	Pack	O	N0/6
Description: xml=baseltem/packageInstruction/quantityPerOuterPackage				
PO402		NOT USED		
PO403		NOT USED		
PO404	103	Packaging Code	X	AN/5
Description: xml=baseltem/packageInstruction/packMethodCode				
		Code	Name	
		BAG	Bag	
		BAL	Bale	
		BDG	Banding	
		BLK	Ream	
		CTN	Carton	
		CAS	Case	
		HRB	Garment On Hanger	
		MIX	Mixed Container Type	
		PAL	Pail	
		PAT	Pallet	
		PKG	Package	
		ROL	Roll	
		SKD	Skid	
PO405		NOT USED		
PO406		NOT USED		
PO407		NOT USED		
PO408		NOT USED		
PO409		NOT USED		
PO410		NOT USED		
PO411		NOT USED		
PO412		NOT USED		
PO413		NOT USED		
PO414	810	Inner Pack	O	N0/6
Description: xml=baseltem/packageInstruction/quantityPerInnerPackage				

REF Reference Information

Position 1000
 Status Optional
 Occurrences >1
 Loop PO1
 Purpose To specify identifying information.

Ref	Id	Name	Req.	Type
REF01	128	Reference Identification Qualifier	M	ID/3
		Code Name		
		55 Sequence Number		
		CR Customer Reference Number		
REF02	127	Reference Identification	X	AN/50
		Description: xml = basItem/itemIdentifier[itemIdentifierTypeCode='ItemSequenceNumber']/ itemIdentifierValue (55) or basItem/reference/value (CR)		
REF03	352	Description	X	AN/80
		Description: xml = basItem/reference/type (CR)		

Semantics:

REF01 is the primary qualifier indicating how the value in REF02 is to be interpreted. In certain cases, REF03 is used to further qualify the meaning of REF02, as follows:

When REF01=CR, REF02 is a user defined reference value and REF03 contains the user defined reference type or qualifier.

SAC Loop**Item Allowances/Charges**

Repeat: 25
Status: Optional
Loop: PO1
Purpose: To specify allowances and charges associated with a line item.

Pos	Id	Segment/Loop Name	Req.	Max
1300	SAC	Service, Promotion, Allowance, or Charge	O	1
1370	CTP	Pricing Information	O	1

SAC**Service, Promotion, Allowance, or Charge Information**

Position 1300
 Status Optional
 Occurrences 1
 Loop PO1/SAC
 Purpose To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge.

Ref	Id	Name	Req.	Type
SAC01	248	Allowance or Charge Indicator	M	ID/1
<i>Derived using orderItem/allowanceCharge/allowanceChargeIndicatorCode</i>				
		Code Name		
		A Allowance		
		C Charge		
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID/4
Description: xml=orderItem/allowanceCharge/allowanceChargeIndicatorCode				
		Code Name		
		A170 Adjustments (Charge-back)		
		A380 Allowance Advance		
		A485 Assist Amount		
		B090 Charges Forward/Advance Charge		
		C310 Discount		
SAC03	559	Agency Qualifier Code	X	ID/2
		Code Name		
		ZZ Mutually Defined		
SAC04	1301	Agency Service/Promotion/Allowance/Charge Code	X	AN/10
Description: xml=orderItem/allowanceCharge/reasonType				
SAC05	610	Amount	O	N2/15
Description: xml=orderItem/allowanceCharge/allowanceChargeValue or orderItem/allowanceCharge/calculatedAllowanceChargeValue <i>May be used to specify a flat amount</i>				
SAC06	378	Allowance/Charge Percent Qualifier	X	ID/1
Description: xml=orderItem/allowanceCharge/allowanceChargePercentBasisCode <i>Applicable when amount is a percentage</i>				
		Code Name		
		0 Gross		
		2 Item Net Cost		
		B Item Total Amount		
		C Item Unit Price		
SAC07	332	Percent, Decimal Format	X	R/6
Description: xml=orderItem/allowanceCharge/allowanceChargeValue <i>Applicable when amount is a percentage</i>				
SAC08	118	Rate	O	R/9
Description: xml=orderItem/allowanceCharge/perUnit				
SAC09	355	Unit or Basis for Measurement Code	X	ID/2
		Code Name		
		EA Each		
SAC10	380	Quantity	X	R/15

Description: xml=orderItem/allowanceCharge/quantity												
SAC11		NOT USED										
SAC12	331	Allowance or Charge Method of Handling Code	O	ID/2								
Description: xml=orderItem/allowanceCharge/allowanceChargeHandlingCode												
<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>Information Only</td> </tr> <tr> <td>CC</td> <td>Collect</td> </tr> <tr> <td>PP</td> <td>Prepaid</td> </tr> </tbody> </table>					Code	Name	15	Information Only	CC	Collect	PP	Prepaid
Code	Name											
15	Information Only											
CC	Collect											
PP	Prepaid											
SAC13	127	Reference Information	X	AN/50								
Description: xml=orderItem/allowanceCharge/allowanceChargeNumber												
SAC14		NOT USED										
SAC15	352	Description	X	AN/80								
Description: xml=orderItem/allowanceCharge/reasonDescription												

Syntax Rules:

5. At least one of SAC02 or SAC03 is required.
6. If either SAC03 or SAC04 is present, then the other is required.
7. If either SAC06 or SAC07 is present, then the other is required.
8. If either SAC09 or SAC10 is present, then the other is required.

Semantics:

SAC05 is the total amount for the service, promotion, allowance, or charge.

If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

SAC08 is the allowance or charge rate per unit.

SAC10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.

CTP**Pricing Information**

Position 1370
 Status Optional
 Occurrences 1
 Loop PO1/SAC
 Purpose To specify pricing information.

Ref	Id	Name	Req.	Type																																																				
CTP01		NOT USED																																																						
CTP02	236	Price Identifier Code	X	ID/3																																																				
Description: xml=orderItem/allowanceCharge/pricing/priceTypeCode																																																								
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CTP03	212	Unit Price	X	R/17																																																				
Description: xml=orderItem/allowanceCharge/pricing/priceValue																																																								

Syntax Rules:

If either CTP02 or CTP03 is present, then the other is required.

SDQ**Destination Quantity**

Position 1900
 Status Optional
 Occurrences 500
 Loop PO1
 Purpose To specify destination and quantity detail.

Ref	Id	Name	Req.	Type				
SDQ01	355	Unit or Basis for Measurement Code	M	ID/2				
Description: xml=baseItem/destinationQuantity/unitOfMeasureCode <i>See appendix for list of codes used</i>								
SDQ02	66	Identification Code Qualifier	O	ID/2				
<table border="0"> <tr> <td>Code</td> <td>Name</td> </tr> <tr> <td>92</td> <td>Assigned by Buyer or Buyer's Agent</td> </tr> </table>					Code	Name	92	Assigned by Buyer or Buyer's Agent
Code	Name							
92	Assigned by Buyer or Buyer's Agent							
SDQ03	67	Identification Code	M	AN/80				
Description: xml=baseItem/destinationQuantity/finalDestinationName								
SDQ04	380	Quantity	M	R/15				
Description: xml=baseItem/destinationQuantity/quantity								

DTM**Date/Time Reference**

Position 2100
 Status Optional
 Occurrences 10
 Loop PO1
 Purpose To specify pertinent dates and times.

Ref	Id	Name	Req.	Type
DTM01	374	Date/Time Qualifier	M	ID/3
		Code		Name
		037		Ship Not Before (EarliestDate)
		038		Ship No Later (LatestDate)
DTM02	373	Date	X	DT/8
		Description: baseltem/itemDate[itemDateTypeCode=type]/itemDateValue where type='EarliestDate', 'LatestDate'		

TD5**Carrier Details (Routing Sequence/Transit Time)**

Position 2500
 Status Optional
 Occurrences 12
 Loop PO1
 Purpose To specify the carrier and sequence of routing and provide transit time information.

Ref	Id	Name	Req.	Type
TD501		NOT USED		
TD502		NOT USED		
TD503		NOT USED		
TD504	91	Transportation Method/Type Code	X	ID/2
Description: xml=baseltem/shipmentMethodCode				
		Code	Name	
		A	Air	
		B	Barge	
		E	Expedited Truck	
		G	Consignee Option	
		H	Customer Pickup	
		L	Contract Carrier	
		M	Motor (Common Carrier)	
		P	Private Carrier	
		R	Rail	
		S	Ocean	
		T	Truck	
		U	Private Parcel Service	
		AE	Air Express	
		AF	Air Freight	
		SE	Sea/Air	
		ZZ	Other	

TD4**Carrier Details (Special Handling)**

Position 2700
 Status Optional
 Occurrences 5
 Loop PO1
 Purpose To specify transportation special handling requirements, or hazardous materials information, or both.

Ref	Id	Name	Req.	Type
TD401	152	Special Handling Code	X	ID/2
		Code Name		
		WI Waive Inspection		
TD402		NOT USED		
TD403		NOT USED		
TD404	352	Description	X	AN/80
		Description: value is "Is Inspection Not Required" when TD401 = WI		
TD405	1073	Yes/No Condition or Response Code	O	ID/1
		Description: xml=baseltem/isInspectionRequired (WI)		
		Code Name		
		N No		
		Y Yes		

TXI**Tax Information**

Position 2910
 Status Optional
 Occurrences >1
 Loop PO1
 Purpose To specify tax information.

Ref	Id	Name	Req.	Type
TXI01	963	Tax Type Code	M	ID/2
		Code Name		
		TX All Taxes		
TXI02		NOT USED		
TXI03	954	Percentage as Decimal	X	R/10
		Description: xml=orderItem/itemTax/taxRate		
TXI04		NOT USED		
TXI05		NOT USED		
TXI06		NOT USED		
TXI07		NOT USED		
TXI08		NOT USED		
TXI09	325	Tax Identification Number	O	AN/20
		Description: xml=orderItem/itemTax/taxType		
TXI10	350	Assigned Identification	O	AN/20
		Description: xml=orderItem/itemTax/description		

N1 Loop**Item Parties/Destinations**

Repeat: 200
Status: Optional
Loop: PO1
Purpose: To specify party information.

Pos	Id	Segment/Loop Name	Req.	Max
3100	N1	Party Identification	O	1
3200	N2	Additional Name Information	O	2
3300	N3	Address Information	O	2
3400	N4	Geographic Location	O	>1
3500	REF	Reference Identification	O	12
3600	PER	Administrative Communications Contact	O	>1

N1 Party Identification

Position 3100
 Status Optional
 Occurrences 1
 Loop PO1/N1
 Purpose To identify a party by type of organization, name, and code.

Ref	Id	Name	Req.	Type
N101	98	Entity Identifier Code	M	ID/3
		Code Name		
		O2 Originating Company		
		ST Ship To		
N102	93	Name	X	AN/60
Description: xml=name				
N103	66	Identification Code Qualifier	X	ID/2
		Code Name		
		93 Sender assigned ID		
		94 Recipient assigned ID		
Description: A Qualifier denoting whether the party is referred to by a Infor Nexus ID or other organization identifier. This field will contain 93 when N104 is a GT Nexus organization ID. It will contain 94 when N104 represents an alternate identity, i.e. an ID as used by the receiver of this message.				
N104	67	Identification Code	X	AN/80
Description: xml=memberIdentification/memberId (93) or memberIdentification/identification/value (94)				

Syntax Rules:

- At least one of N102 or N103 is required.
- If either N103 or N104 is present, then the other is required.

N2**Additional Name Information**

Position 3200
Status Optional
Occurrences 2
Loop PO1/N1
Purpose To specify the long name of the named party or shipment destination.

Ref	Id	Name	Req.	Type
N201	93	Name	M	AN/60
Description: xml=longName				

N3**Address Information**

Position 3300
Status Optional
Occurrences 2
Loop PO1/N1
Purpose To specify the location of the named party or shipment destination.

Ref	Id	Name	Req.	Type
N301	166	Address Information	M	AN/55
Description: xml=addressLine1				
N302	166	Address Information	O	AN/55
Description: xml=addressLine2				

N4**Geographic Location**

Position 3400
 Status Optional
 Occurrences >1
 Loop PO1/N1
 Purpose To specify the geographic place of the named party or shipment destination.

Ref	Id	Name	Req.	Type				
N401	19	City Name	O	AN/30				
Description: xml=city								
N402	156	State or Province Code	X	ID/2				
Description: xml=stateOrProvince								
N403	116	Postal Code	O	ID/15				
Description: xml=postalCodeNumber								
N404	26	Country Code	X	ID/3				
Description: xml=countryCode								
N405	309	Location Qualifier	X	ID/2				
<table border="0"> <tr> <td>Code</td> <td>Name</td> </tr> <tr> <td>UN</td> <td>United Nations Location Code (UNLOCODE)</td> </tr> </table>					Code	Name	UN	United Nations Location Code (UNLOCODE)
Code	Name							
UN	United Nations Location Code (UNLOCODE)							
N406	310	Location Identifier	O	AN/30				
Description: xml=locationCode								
N407	1715	Country Subdivision Code	X	ID/3				
Description: xml=stateOrProvince								
<i>Used when stateOrProvince length is 3 characters</i>								

Syntax Rules:

4. Only one of N402 or N407 may be present.
5. If N406 is present, then N405 is required.
6. If N407 is present, then N404 is required.

REF**Reference Information**

Position 3500
 Status Optional
 Occurrences 12
 Loop PO1/N1
 Purpose To specify identifying information.

Ref	Id	Name	Req.	Type						
REF01	128	Reference Identification Qualifier	M	ID/3						
		<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>ACB</td> <td>ACB Region</td> </tr> <tr> <td>DP</td> <td>Department Number</td> </tr> </tbody> </table>	Code	Name	ACB	ACB Region	DP	Department Number		
Code	Name									
ACB	ACB Region									
DP	Department Number									
REF02	127	Reference Identification	X	AN/50						
		Description: xml=contact/department (DP) or contact/region (ACB)								

PER**Administrative Communications Contact**

Position 3600
 Status Optional
 Occurrences >1
 Loop PO1/N1
 Purpose To identify a person or office to whom administrative communications should be directed.

Ref	Id	Name	Req.	Type
PER01	366	Contact Function Code	M	ID/2
		Code Name AJ Primary Contact		
PER02	93	Name	O	AN/60
		Description: xml=contact/name		
PER03	365	Communication Number Qualifier	X	ID/2
		Code Name EM Electronic Mail		
PER04	364	Communication Number	X	AN/256
		Description: xml=contact/emailAddress		
PER05	365	Communication Number Qualifier	X	ID/2
		Code Name TE Telephone		
PER06	364	Communication Number	X	AN/256
		Description: xml=contact/phone		
PER07	365	Communication Number Qualifier	X	ID/2
		Code Name FX Facsimile		
PER08	364	Communication Number	X	AN/256
		Description: xml=contact/fax		

Syntax Rules:

4. If either PER03 or PER04 is present, then the other is required.
5. If either PER05 or PER06 is present, then the other is required.
6. If either PER07 or PER08 is present, then the other is required.

SLN Loop**Subline Items**

Repeat: 1000
Status: Optional
Loop: PO1
Purpose: To specify subline items within a line item.

Pos	Id	Segment/Loop Name	Req.	Max
4700	SLN	Subline Item Detail	0	1
4900	PID	Product/Item Description	0	1000
5025	MEA	Measurements	0	>1
5050	TC2	Commodity	0	>1
5150	DTM	Date/Time Reference	0	10
5160	CTP	Pricing Information	0	25
5180	PO4	Item Physical Details	0	1
	N9 Loop	Reference Information	0	>1
	SAC Loop	Service, Promotion, Allowance, or Charge	0	25

SLN

Subline Item Detail

Position 4700
 Status Optional
 Occurrences 1
 Loop SLN
 Purpose To specify product subline detail item data.

Ref	Id	Name	Req.	Type
SLN01	350	Assigned Identification	M	AN/20
Description: xml=orderItem/itemKey				
SLN02	350	Assigned Identification	O	AN/20
Description: when orderItem/itemTypeCode="Component", this field will contain the constant "COMPONENTn" where n is the component nesting level.				
SLN03	662	Relationship Code	M	ID/1
Description: Code indicating the relationship between entities.				
		Code	Name	
		I	Included	
SLN04	380	Quantity	X	R/15
Description: xml=baseItem/quantity or baseItem/packageInstruction/quantityPerInnerPackage				
SLN05	355	Unit or Basis for Measurement Code	X	ID/2
Description: xml=baseItem/unitOfMeasureCode See appendix for list of codes used				
SLN06	212	Unit Price	O	R/17
Description: xml=orderItem/itemPrice/pricePerUnit				
SLN07		NOT USED		
SLN08		NOT USED		
SLN09	235	Product/Service ID Qualifier	X	ID/2
Description: The qualifier describing the item identification, description, or other attribute in the segment that follows.				
		Code	Name	
		UP	UCC - 12, a.k.a. Universal Product Code (U.P.C.) <i>itemIdentifierTypeCode=UpcNumber</i>	
		IN	Buyer's Item Number <i>itemIdentifierTypeCode=BuyerNumber</i>	
		VN	Vendor's Item Number <i>itemIdentifierTypeCode=SellerNumber</i>	
		SK	Stock Keeping Unit (SKU) <i>itemIdentifierTypeCode=SKUNumber</i>	
		CH	Country of Origin Code <i>itemIdentifierTypeCode=CountryOfOrigin</i>	
		GE	Generic Name Description <i>itemIdentifierTypeCode=ShortDescription</i>	
		LT	Lot Number <i>itemIdentifierTypeCode=LotNumber</i>	
		BO	BO Buyers Color <i>itemIdentifierTypeCode=IdBuyerColor</i>	
		IZ	Buyer's Size Code <i>itemIdentifierTypeCode=IdBuyerSize</i>	
		IT	Buyer's Style Number <i>itemIdentifierTypeCode=IdBuyerStyle</i>	

CL	Color <i>itemIdentifierTypeCode=IdColor</i>
EO	UCC - 8 <i>itemIdentifierTypeCode=IdEANUCC8</i>
EN	UCC - 13 <i>itemIdentifierTypeCode=IdEANUCC13</i>
VE	Vendor Color <i>itemIdentifierTypeCode=IdSellerColor</i>
SZ	Vendor Alphanumeric Size Code <i>itemIdentifierTypeCode=IdSellerSize</i>
VA	Vendor's Style Number <i>itemIdentifierTypeCode=IdSellerStyle</i>
ST	Style Number <i>itemIdentifierTypeCode=IdStyle</i>
PK	PK Packaging Drawing <i>xml=baseItem/packageInstruction/packInstructionReference</i>
HD	International Harmonized Commodity Code <i>xml=baseItem/customsClassification/classificationNumber</i>

SLN10	234	Product/Service ID	X	AN/48
Description: The item identification, description, or other attribute qualified by the previous segment.				
SLN11	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as SLN09				
SLN12	234	Product/Service ID	X	AN/48
Description: Follows the same rules as SLN10				
SLN13	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as SLN09				
SLN14	234	Product/Service ID	X	AN/48
Description: Follows the same rules as SLN10				
SLN15	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as SLN09				
SLN16	234	Product/Service ID	X	AN/48
Description: Follows the same rules as SLN10				
SLN17	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as SLN09				
SLN18	234	Product/Service ID	X	AN/48
Description: Follows the same rules as SLN10				
SLN19	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as SLN09				
SLN20	234	Product/Service ID	X	AN/48
Description: Follows the same rules as SLN10				
SLN21	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as SLN09				
SLN22	234	Product/Service ID	X	AN/48
Description: Follows the same rules as SLN10				
SLN23	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as SLN09				
SLN24	234	Product/Service ID	X	AN/48
Description: Follows the same rules as SLN10				
SLN25	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as SLN09				
SLN26	234	Product/Service ID	X	AN/48

Description: Follows the same rules as SLN10				
SLN27	235	Product/Service ID Qualifier	X	ID/2
Description: Follows the same rules as SLN09				
SLN28	234	Product/Service ID	X	AN/48
Description: Follows the same rules as SLN10				

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.
4. P1314 - If either SLN13 or SLN14 is present, then the other is required.
5. P1516 - If either SLN15 or SLN16 is present, then the other is required.
6. P1718 - If either SLN17 or SLN18 is present, then the other is required.
7. P1920 - If either SLN19 or SLN20 is present, then the other is required.
8. P2122 - If either SLN21 or SLN22 is present, then the other is required.
9. P2324 - If either SLN23 or SLN24 is present, then the other is required.
10. P2526 - If either SLN25 or SLN26 is present, then the other is required.
11. P2728 - If either SLN27 or SLN28 is present, then the other is required.

Semantics:

SLN01 is the identifying number for the subline item.

Comments:

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.

PID**Product/Item Description**

Position 4900
 Status Optional
 Occurrences 1000
 Loop SLN
 Purpose To describe a product or process in coded or free-form format.

Ref	Id	Name	Req.	Type
PID01	349	Item Description Type	M	ID/1
		Code Name F Free-form		
PID02	750	Product/Process Characteristic Code	O	ID/3
		Description: xml=baseltem/itemDescriptor/itemDescriptorTypeCode		
		Code Name 75 Buyer's Color Description <i>itemDescriptorTypeCode=DescBuyerColor</i> 08 Product <i>itemDescriptorTypeCode=LongDescription</i> AH Material <i>itemDescriptorTypeCode=DescMaterial</i> MAC Material Classification <i>itemDescriptorTypeCode=DescMaterialClass</i> 73 Vendor color description <i>itemDescriptorTypeCode=DescSellerColor</i> 74 Vendor size description <i>itemDescriptorTypeCode=DescSellerSize</i>		
PID03		NOT USED		
PID04		NOT USED		
PID05	352	Description	M	AN/80
		Description: xml=baseltem/itemDescriptor/itemDescriptorValue		

MEA**Measurements**

Position 5025
 Status Optional
 Occurrences >1
 Loop SLN
 Purpose To specify physical measurements or counts, including dimensions, tolerances, variances, and weights.

Ref	Id	Name	Req.	Type
MEA01	737	Measurement Reference ID Code	O	ID/2
		Code Name QV Quantity Variation		
MEA02		NOT USED		
MEA03		NOT USED		
MEA04	355	Unit or Basis for Measurement Code	X	ID/2
		Description: xml=baseltem/itemVariance/varianceTypeCode		
		Code Name 1N Count P1 Percent		
MEA04	740	Range Minimum	X	R/20
		Description: xml=baseltem/itemVariance/lowerVariance		
MEA05	741	Range Maximum	X	R/20
		Description: xml=baseltem/itemVariance/upperVariance		

TC2**Commodity**

Position 5050
 Status Optional
 Occurrences >1
 Loop SLN
 Purpose To identify a commodity or a group of commodities or a tariff page commodity.

Ref	Id	Name	Req.	Type				
TC201	23	Commodity Code Qualifier	M	ID/1				
		<table border="0"> <tr> <td>Code</td> <td>Name</td> </tr> <tr> <td>Q</td> <td>Quota Category</td> </tr> </table>	Code	Name	Q	Quota Category		
Code	Name							
Q	Quota Category							
TC202	22	Commodity Code	M	AN/30				
		Description: xml=baseItem/itemIdentifier[itemIdentifierTypeCode='QuotaCategory']/itemIdentifierValue						

DTM**Date/Time Reference**

Position 5150
 Status Optional
 Occurrences 10
 Loop SLN
 Purpose To specify pertinent dates and times.

Ref	Id	Name	Req.	Type
DTM01	374	Date/Time Qualifier	M	ID/3
		Code		Name
		037		Ship Not Before (EarliestDate)
		038		Ship No Later (LatestDate)
DTM02	373	Date	X	DT/8
		Description: baseltem/itemDate[itemDateTypeCode=type]/itemDateValue where type='EarliestDate', 'LatestDate'		

CTP**Pricing Information**

Position 5160
 Status Optional
 Occurrences 25
 Loop SLN
 Purpose To specify pricing information.

Ref	Id	Name	Req.	Type																																																				
CTP01		NOT USED																																																						
CTP02	236	Price Identifier Code	X	ID/3																																																				
Description: xml=orderItem/itemPrice/pricing/priceTypeCode																																																								
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CTP03	212	Unit Price	X	R/17																																																				
Description: xml=orderItem/itemPrice/pricing/priceValue																																																								

Syntax Rules:

If either CTP02 or CTP03 is present, then the other is required.

PO4 Item Physical Details

Position 5180
 Status Optional
 Occurrences 1
 Loop SLN
 Purpose To specify the physical qualities, packaging, weights, and dimensions relating to the item.

Ref	Id	Name	Req.	Type																												
PO401	356	Pack	O	N0/6																												
Description: xml=baseltem/packageInstruction/quantityPerOuterPackage																																
PO402		NOT USED																														
PO403		NOT USED																														
PO404	103	Packaging Code	X	AN/5																												
Description: xml=baseltem/packageInstruction/packMethodCode																																
<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr><td>BAG</td><td>Bag</td></tr> <tr><td>BAL</td><td>Bale</td></tr> <tr><td>BDG</td><td>Banding</td></tr> <tr><td>BLK</td><td>Ream</td></tr> <tr><td>CTN</td><td>Carton</td></tr> <tr><td>CAS</td><td>Case</td></tr> <tr><td>HRB</td><td>Garment On Hanger</td></tr> <tr><td>MIX</td><td>Mixed Container Type</td></tr> <tr><td>PAL</td><td>Pail</td></tr> <tr><td>PAT</td><td>Pallet</td></tr> <tr><td>PKG</td><td>Package</td></tr> <tr><td>ROL</td><td>Roll</td></tr> <tr><td>SKD</td><td>Skid</td></tr> </tbody> </table>					Code	Name	BAG	Bag	BAL	Bale	BDG	Banding	BLK	Ream	CTN	Carton	CAS	Case	HRB	Garment On Hanger	MIX	Mixed Container Type	PAL	Pail	PAT	Pallet	PKG	Package	ROL	Roll	SKD	Skid
Code	Name																															
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HRB	Garment On Hanger																															
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PAL	Pail																															
PAT	Pallet																															
PKG	Package																															
ROL	Roll																															
SKD	Skid																															
PO405		NOT USED																														
PO406		NOT USED																														
PO407		NOT USED																														
PO408		NOT USED																														
PO409		NOT USED																														
PO410		NOT USED																														
PO411		NOT USED																														
PO412		NOT USED																														
PO413		NOT USED																														
PO414	810	Inner Pack	O	N0/6																												
Description: xml=baseltem/packageInstruction/quantityPerInnerPackage																																

N9 Loop**Extended Reference Information**

Repeat: >1
Status: Optional
Loop: SLN
Purpose: To specify extended reference information.

Pos	Id	Segment/Loop Name	Req.	Max
5230	N9	Extended Reference Information	O	1

N9**Extended Reference Information**

Position 5230
 Status Optional
 Occurrences 1
 Loop SLN/N9
 Purpose To specify identifying information.

Ref	Id	Name	Req.	Type										
N901	128	Reference Identification Qualifier	M	ID/3										
		<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>4B</td> <td>Shipment Origin Code</td> </tr> <tr> <td>4C</td> <td>Shipment Destination Code</td> </tr> <tr> <td>55</td> <td>Sequence Number</td> </tr> <tr> <td>CR</td> <td>Customer Reference Number</td> </tr> </tbody> </table>	Code	Name	4B	Shipment Origin Code	4C	Shipment Destination Code	55	Sequence Number	CR	Customer Reference Number		
Code	Name													
4B	Shipment Origin Code													
4C	Shipment Destination Code													
55	Sequence Number													
CR	Customer Reference Number													
N902	127	Reference Identification	X	AN/50										
		Description: xml = baseltem/itemIdentifier[itemIdentifierTypeCode='ItemSequenceNumber']/ itemIdentifierValue (55) or baseltem/party[partyRoleCode='OriginOfGoods']/name (4B) or baseltem/party[partyRoleCode='ShipmentDestination']/name (4C) or baseltem/reference/value (CR)												
N903	369	Free-form Description	X	AN/45										
		Description: xml = baseltem/reference/type (CR)												

Semantics:

N901 is the primary qualifier indicating how the value in N902 is to be interpreted. In certain cases, N903 is used to further qualify the meaning of N902, as follows:

When N901=CR, N902 is a user defined reference value and N903 contains the user defined reference type or qualifier.

SAC Loop**Item Allowances/Charges**

Repeat: 25
Status: Optional
Loop: SLN
Purpose: To specify allowances and charges associated with a line item.

Pos	Id	Segment/Loop Name	Req.	Max
5260	SAC	Service, Promotion, Allowance, or Charge	O	1
5280	CTP	Pricing Information	O	1

SAC**Service, Promotion, Allowance, or Charge Information**

Position 5260
 Status Optional
 Occurrences 1
 Loop SLN/SAC
 Purpose To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge.

Ref	Id	Name	Req.	Type
SAC01	248	Allowance or Charge Indicator	M	ID/1
<i>Derived using orderItem/allowanceCharge/allowanceChargeIndicatorCode</i>				
		Code Name		
		A Allowance		
		C Charge		
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID/4
Description: xml=orderItem/allowanceCharge/allowanceChargeIndicatorCode				
		Code Name		
		A170 Adjustments (Charge-back)		
		A380 Allowance Advance		
		A485 Assist Amount		
		B090 Charges Forward/Advance Charge		
		C310 Discount		
SAC03	559	Agency Qualifier Code	X	ID/2
		Code Name		
		ZZ Mutually Defined		
SAC04	1301	Agency Service/Promotion/Allowance/Charge Code	X	AN/10
Description: xml=orderItem/allowanceCharge/reasonType				
SAC05	610	Amount	O	N2/15
Description: xml=orderItem/allowanceCharge/allowanceChargeValue or orderItem/allowanceCharge/calculatedAllowanceChargeValue <i>May be used to specify a flat amount</i>				
SAC06	378	Allowance/Charge Percent Qualifier	X	ID/1
Description: xml=orderItem/allowanceCharge/allowanceChargePercentBasisCode <i>Applicable when amount is a percentage</i>				
		Code Name		
		0 Gross		
		2 Item Net Cost		
		B Item Total Amount		
		C Item Unit Price		
SAC07	332	Percent, Decimal Format	X	R/6
Description: xml=orderItem/allowanceCharge/allowanceChargeValue <i>Applicable when amount is a percentage</i>				
SAC08	118	Rate	O	R/9
Description: xml=orderItem/allowanceCharge/perUnit				
SAC09	355	Unit or Basis for Measurement Code	X	ID/2
		Code Name		
		EA Each		
SAC10	380	Quantity	X	R/15

Description: xml=orderItem/allowanceCharge/quantity												
SAC11		NOT USED										
SAC12	331	Allowance or Charge Method of Handling Code	O	ID/2								
Description: xml=orderItem/allowanceCharge/allowanceChargeHandlingCode												
<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>15</td> <td>Information Only</td> </tr> <tr> <td>CC</td> <td>Collect</td> </tr> <tr> <td>PP</td> <td>Prepaid</td> </tr> </tbody> </table>					Code	Name	15	Information Only	CC	Collect	PP	Prepaid
Code	Name											
15	Information Only											
CC	Collect											
PP	Prepaid											
SAC13	127	Reference Information	X	AN/50								
Description: xml=orderItem/allowanceCharge/allowanceChargeNumber												
SAC14		NOT USED										
SAC15	352	Description	X	AN/80								
Description: xml=orderItem/allowanceCharge/reasonDescription												

Syntax Rules:

1. At least one of SAC02 or SAC03 is required.
2. If either SAC03 or SAC04 is present, then the other is required.
3. If either SAC06 or SAC07 is present, then the other is required.
4. If either SAC09 or SAC10 is present, then the other is required.

Semantics:

SAC05 is the total amount for the service, promotion, allowance, or charge.

If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

SAC08 is the allowance or charge rate per unit.

SAC10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.

SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.

CTP**Pricing Information**

Position 5280
 Status Optional
 Occurrences 1
 Loop SLN/SAC
 Purpose To specify pricing information.

Ref	Id	Name	Req.	Type																																																				
CTP01		NOT USED																																																						
CTP02	236	Price Identifier Code	X	ID/3																																																				
Description: xml=orderItem/allowanceCharge/pricing/priceTypeCode																																																								
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WHL	Wholesale																																																							
CTP03	212	Unit Price	X	R/17																																																				
Description: xml=orderItem/allowanceCharge/pricing/priceValue																																																								

Syntax Rules:

If either CTP02 or CTP03 is present, then the other is required.

CTT Loop**Transaction Totals**

Repeat: 1
Status: Optional
Loop: N/A
Purpose: To specify totals.

Pos	Id	Segment/Loop Name	Req.	Max
0100	CTT	Transaction Totals	O	1
0200	AMT	Monetary Amount Information	O	1

CTT**Transaction Totals**

Position 0100
Status Optional
Occurrences 1
Loop CTT
Purpose To transmit a hash total for a specific element in the transaction set.

Ref	Id	Name	Req.	Type
CTT01	354	Number of Line Items	M	N0/6
Description: The number of main (PO1) line items in this transaction				

AMT**Monetary Amount Information**

Position 0200
 Status Optional
 Occurrences 1
 Loop CTT
 Purpose To indicate the total monetary amount.

Ref	Id	Name	Req.	Type
AMT01	522	Amount Qualifier Code	M	ID/3
		Code Name		
		TT Total Transaction Amount		
AMT02	782	Monetary Amount	M	R/18
		Description: xml=totals/totalDocumentAmount		

SE**Transaction Set Trailer**

Status Mandatory
Occurrences 1
Purpose To indicate the end of the transaction set and provide the count of the transmitted segments.

Ref	Id	Name	Req.	Type
SE01	96	Number of included segments	M	N0/10
SE02	329	Transaction Set Control Number	M	AN/9

GE**Functional Group Trailer**

Status Mandatory
Occurrences 1
Purpose To indicate the end of a functional group and to provide control information.

Ref	Id	Name	Req.	Type
GE01	97	Number of transaction sets	M	N0/16
GE02	28	Group Control Number	M	N0/9

IEA**Interchange Control Trailer**

Status Mandatory
Occurrences 1
Purpose To define the end of an interchange of one or more function groups and interchange related control segments.

Ref	Id	Name	Req.	Type
IEA01	116	Number of included functional groups	M	N0/5
IEA02	112	Interchange Control Number	M	N0/9

Appendix

Unit of Measure Codes (Element ID 355) used by Infor Nexus

Code	Name
03	Seconds
4E	Twenty Pack
4F	One-Hundred Pack
AG	Percentage
AS	Assortment
BO	Bottle
BR	Barrel
BX	Box
CC	Cubic Centimeter
CM	Per Cubic Meter
CN	Can
CS	Cassette
CX	Coil
DA	Days
DZ	Dozen
EA	Each
FC	Flat Charge
GA	Gallon
GS	Gross
H3	Eighteen Pack
H5	Twenty-two Pack
H6	Thirty Pack
H7	Thirty-eight Pack
H8	Sixty-two Pack
H9	Seventy-five Pack
HD	Half Dozen
HR	Hour
J7	Ninety-six Pack
J8	Five-Thousand Pack
J9	Left Unit
JR	Jar
KG	Kilogram
L1	Right Unit
LB	Pound
LF	Linear Foot
LO	Lots
MI	Mile
MJ	Minute
MO	Month
MP	Metric Ton
MR	Meters
OP	Two Pack
P3	Three Pack
P4	Four Pack
P5	Five Pack
P6	Six Pack
P7	Seven Pack

P8	Eight Pack
P9	Nine Pack
PA	Per Container
PC	Piece
PG	Page
PK	Pack
PR	Pair
PS	Per Shipment
Q4	Fifty Pack
Q5	Twenty-five Pack
Q6	Thirty-six Pack
Q7	Twenty-four Pack
RL	Roll
SH	Sheet
SM	Square Meter
SP	Per Stop
ST	Set
SY	Square Yard
TN	Ton
TP	Ten Pack
XE	Twenty-one Pack
YD	Yard
Z7	Thirteen Pack
Z9	Fourteen Pack
ZF	Sixteen Pack
ZG	Forty-eight Pack
ZI	Fifty-two Pack
ZJ	Sixty Pack
ZH	Sixty-one Pack
ZK	Seventy-two Pack
ZN	One-Hundred-and-Twenty Pack
ZO	One-Hundred-and-Fifty Pack
ZQ	Two-Hundred Pack
ZS	Fifteen Pack
U5	Two-Hundred-and-Fifty Pack
UN	Unit
VC	Five-Hundred pack
WK	Week
YR	Year
ZR	One-Thousand Pack