



TRACELINK UNIVERSITY

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CSOS validated purchase order (X12)

The CSOS Validated Purchase Order X12 message confirms it has met all regulatory requirements and is cleared for fulfillment.



Contact your TraceLink Services representative for more information about integrating with this message.

- **Message Type:** MPC_CSOS_VALIDATED_PURCHASE_ORDER
- **X12 Format:** CSOSVALIDATEDPURCHASEORDER
- **Transform Names:**
 - B2B_EDIX12_850_CSOS_ValidatedPurchaseOrder_IB_V1
 - B2B_EDIX12_850_CSOS_ValidatedPurchaseOrder_OB_V1

Guidelines

Input Element	Occurs	Length	Description	Example
850	1...1	-	Required. HDMA X12 850 CSOS Validated Purchase Order message.	-

Input Element	Occurs	Length	Description	Example
ISA	1...1	-	Required. ISA interchange envelope.	-
ISA01	1...1	2/2	Required. Qualifier for authorization control number in ISA02. Valid values: • 00 - No authorization info present • 03 - Additional data identification	00
ISA02	1...1	10/10	Required. Information used for additional identification or authorization of the interchange sender or the data in the interchange/ 10 spaces a valid entry.	-
ISA03	1...1	2/2	Required. Qualifier for security information in ISA04. Valid values: • 00 - No security information present • 01 - Password	00
ISA04	1...1	10/10	Required. Identifies security information about the interchange sender or data	-

Input Element	Occurs	Length	Description	Example
ISA05	1...1	2/2	<p>Required. Interchange sender partner ID qualifier.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • 01 - Duns (Dun & Bradstreet). • 02 - Standard Carrier Alpha Code. • 03 - Federal Maritime Commission. • 04 - International Air Transport Association. • 07 - Global Location Number (GLN). • 08 - UCC EDI Communications ID (Comm ID). • 09 - X.121 (CCITT). • 10 - Department of Defense (DoD) Activity Address Code. • 11 - Drug Enforcement Administration identifier. • 12 - Telephone Companies. • 13 - Used for UCS Transmissions. Includes Area Code and Telephone Number of a Modem. • 14 - Duns Plus Suffix. • 15 - Petroleum Accountants Society of Canada Company Code. • 16 - DINS 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. • 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. • 24 - The College Board's Admission Testing Program 4-Digit Code of Postsecondary Institutes, or ATP. • 25 - 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 assigned by Health Care Financing Administration (HCFA). • 30 - U.S. Federal Tax Identification Number. • 31 - Jurisdiction Identification Number Plus 4 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 (SPICA). • 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. 	07
ISA06	1...1	15/15	<p>Required. EDI sender identifier.</p>	777776067344

Input Element	Occurs	Length	Description	Example
ISA07	1...1	2/2	<p>Required. Interchange receiver partner ID qualifier. Valid values:</p> <ul style="list-style-type: none"> • 01 – Duns (Dun & Bradstreet). • 02 – Standard Carrier Alpha Code. • 03 – Federal Maritime Commission. • 04 – International Air Transport Association. • 07 – Global Location Number (GLN). • 08 – UCC EDI Communications ID (Comm ID). • 09 – X.121 (CCITT). • 10 – Department of Defense (DoD) Activity Address Code. • 11 – Drug Enforcement Administration identifier. • 12 – Telephone Companies. • 13 – Used for UCS Transmissions. Includes Area Code and Telephone Number of a Modem. • 14 – Duns Plus Suffix. • 15 – Petroleum Accountants Society of Canada Company Code. • 16 – DINS 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. • 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. • 24 – The College Board's Admission Testing Program 4-Digit Code of Postsecondary Institutes, or ATP. • 25 – 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 assigned by Health Care Financing Administration (HCFA). • 30 – U.S. Federal Tax Identification Number. • 31 – Jurisdiction Identification Number Plus 4 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 (SPICA). • 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. 	07
ISA08	1...1	15/15	Required. EDI receiver identifier	888888404358877
ISA09	1...1	6/6	Required. Interchange date in 6 char YYMMDD format	251228
ISA10	1...1	4/4	Required. Interchange time in 4 char HHMM format	1420
ISA11	1...1	1/1	Required. Repetition separator. Delimiter that separates repeated occurrences of a data element or composite data structure. Must be different than the data element separator, component separator, and segment terminator	:
ISA12	1...1	5/5	Required. Interchange control version number. The valid value is 00401	00501
ISA13	1...1	9/9	Required. Interchange Control Number for file control header	0000000000619827

Input Element	Occurs	Length	Description	Example
ISA14	1...1	1/1	Required. Interchange level acknowledgment requested. Valid values: • 0- No acknowledgment requested • 1 - Interchange level acknowledgment requested	0
ISA15	1...1	1/1	Required. Indicates whether the interchange is for production, test, or information purposes. Valid values: • I - Information • P - Production data • T- Test data	P
ISA16	1...1	1/1	Required. Component element separator. Delimiter that separates data elements within a composite data structure. Must be different than the data element separator and segment terminator.	>
GS	1...1	-	Required. GS group functional envelope. Child of ISA. Only one GS group expected per interchange.	-
GS01	1...1	2/2	Required. GS group function code. The valid value is P0 - Purchase Order.	PO
GS02	1...1	2/15	Required. Application Sender's Code.	2222224043588
GS03	1...1	2/15	Required. Application Receiver's Code.	TRACELINK
GS04	1...1	8/8	Required. Current date stamp in 8 char X12 date format YYYYMMDD.	251228
GS05	1...1	4/8	Required. Current time stamp in 6 char X12 time format HHMMSS.	142000
GS06	1...1	1/9	Required. Group Control ID Number.	619827
GS07	1...1	1/2	Required. Responsible Agency Code. The valid value is X.	X
GS08	1...1	1/12	Required. X12 message version code. The valid value is 004010.	005010
ST	1...*	-	ST transaction set envelope. Child of GS group. Only one ST transaction expected.	-
ST01	1...1	3/3	Required. Transaction set identifier code.	850
ST02	1...1	4/9	Required. Transaction set ID number. Counter for each ST segment beginning with 1.	1
BEG	1...1	-	Required. Beginning segment for Purchase Order. Child of ST transaction set.	-
BEG01	1...1	2/2	Required. Transaction purpose code. Valid values: • 00 - Original document, create in target. • 01 - Cancel order. • 02 - Create document or item from message. • 03 - Delete document or item. • 04 - Changes to document header. • 05 - Replace entire document. • 06 - Document is a confirmation. • 07 - Duplicate transaction. • 08 - Document or item status. • 11 - Response message. • 13 - Request message. • 16 - Proposed document or item. • 17 - Message canceled and reissued. • 22 - Information only. • 24 - Document is in draft state. • 45 - Followup message. • C0 - Document or item has been corrected.	00
BEG02	1...1	2/2	Required. Purchase Order type code. Valid values: • BK - Blanket order (quantity firm) • CN - Consignment order • CO - Catalog order • DS - Drop ship order • KC - Contract • KN - Purchase order • LS - Lease • NE - New order • PR - Promotional order • RO - Rush Order • RR - Repair and return • SA - Stand alone order • SP - Sample order • ST - Standing order	NE
BEG03	1...1	1/22	Required. E222 controlled substances purchase order number	4506733288
BEG04	0...1	1/30	Release document number. Identifies a release against a Purchase Order.	0050003586
BEG05	1...1	8/8	Required. Purchase order date YYYYMMDD X12 date format.	20251228
BEG06	0...1	1/30	Contract number. Identifies a contract number associated with the purchase order.	999
BEG07	0...1	2/2	Acknowledgment type specified for purchase order.	AY

Input Element	Occurs	Length	Description	Example
CUR	0...1	-	Purchase order currency	-
CUR01	1...1	2/3	Required. Entity identifier code identifying an organizational entity, a physical location, property or individual using the identified currency code.	BY
CUR02	1...1	3/3	Required. ISO currency code for the country whose currency the charges are specified.	USD
REF	0...*	-	Purchase order reference information	-
REF01	1...1	2/3	Required. Reference identification qualifier. Valid values: <ul style="list-style-type: none"> • 14 - Master account • 72 - Schedule reference identifier • 1X - Credit debit adjustment identifier type • 2I - Tracking number • A3 - Assignment • AM - Chargeback adjustment memo • BAF - Receipt number • BC - Customer contract number • BM - Bill of lading • BT - Batch • CD - Credit advice • CG - Consignee order number • CK - Check number • CM - Credit memo • CN - Carrier reference • CR - Customer reference identifier • CT - Contract number • D1 - US Drug Enforcement Agency (DEA) order number • DD - Document number • DEA - DEA certificate identifier • DH - DEA identifier number • DI - Distributor invoice number • DL - Debit memo • D0 - Delivery • EM - Electronic payment • GK - Third party reference identifier • IV - Seller's invoice • K9 - Customer inquiry number • MB - Master bill of lading • OI - Original invoice • OQ - Order number • P2 - Previous DEA identifier number • PK - Packing list number • P0 - Purchase order number • PR - Price quote identifier • Q1 - Supplier quotation number • QD - DEA replacement identifier number • QP - Original purchase order number • RE - Release document number • RZ - Return authorization transaction identifier type • SI - Shipment number • SN - Seal number • TB - Trucker's Bill of Lading • TN - Transaction reference number • VC - Supplier contract number • VN - Supplier order number • VR - Vendor identifier number • W0 - Work order (production order) number 	DM
REF02	0...1	1/50	Required. Reference identification for the purchase order as specified by the reference identification qualifier.	009875623
REF03	0...1	1/80	Description referenced identifier	-
REF	0...*	-	Purchase order reference information for Mutually Defined	-
REF01	1...1	2/3	Required. Reference identification qualifier. The valid value is ZZ.	ZZ
REF02	0...1	1/50	Reference identification for the purchase order as specified by the reference identification qualifier.	CGP
REF03	0...1	1/80	Description referenced identifier	Company A Global Purch
PER	0...*	-	Administrative Communications Contact	Sample Data: PER*OC*BRAD SHIVERLAK*TE*8636881188
PER01	1...1	2/2	Required. Contact function code. Valid values: <ul style="list-style-type: none"> • AJ - Primary contact • OC - Order contact • PM - Product manager • CC - Customer contact • DC - Delivery contact • RP - Responsible person • SU - Supplier contact 	OC
PER02	0...1	1/60	Name	BRAD SHIVERLAK

Input Element	Occurs	Length	Description	Example
PER03	0...1	2/2	Required. Communication number qualifier. Valid values: • TE - Telephone number • EM - Email address	TE
PER04	0...1	1/256	Required. Telephone number or email address of communications contact, as defined by qualifier in PER03.	8636881188
PER05	0...1	2/2	Communication number qualifier. Valid values: • TE - Telephone number • EM - Email address	EM
PER06	0...1	1/256	Telephone number or email address of communications contact, as defined by qualifier in PER05.	8636881188
FOB	0...*	-	F.O.B. (Free On Board) related instructions. Specifies transportation instructions relating to shipment of the order.	-
FOB01	1...1	2/2	Required. Method of payment for shipment.	PP
FOB02	0...1	1/2	Location qualifier identifying type of location. Valid values: • CI - City • DE - Destination (Shipping) • OR - Origin (Shipping Point) • PL - Plant	CI
FOB03	0...1	1/80	Description of location for order shipment.	RANCHO DOMINGUEZ CA
FOB04	0...1	2/2	Transportation terms code.	01
SAC	0...25	-	Service, promotion, allowance, or charge information.	-
SAC01	1...1	1/1	Required. Allowance or charge indicator. Identifies an allowance or charge for the purchase order. Valid values: • A - Allowance. • C - Charge. • N - No allowance or charge.	A
SAC02	0...1	2/2	Service, promotion, allowance, or charge code. Valid values: • A170 - Adjustments to credits or charges • A172 - Administrative credits or charges • A250 - Advances on credits or charges • A260 - Advertising Allowance • A210 - Advance fee • A380 - Advance on allowance • A320 - Air transport charge • A400 - Allowance Non-performance • A480 - Assembly credit or charge • A520 - Base charge • A600 - Bill of lading charge • A880 - Cancellation charge • A960 - Carrier charge • A930 - Carrier credit allowance • A940 - Carrier debit allowance • A980 - Cartage credit or charge • C040 - Delivery credit or charge • C030 - Delivery surcharge • C110 - Deposit • C150 - Destination charge • C310 - Discount • C340 - Distribution service • C350 - Distributor discount/allowance • C370 - Diversion charge • C400 - Documentation charge • C760 - Excess weight charge • D040 - Finance charge • D070 - Flat rate • F800 - Promotional Allowance • F810 - Promotional Discount • H000 - Special Allowance • I410 - Unsaleable minimum charge allowance	A170
SAC05	0...1	1/15	Amount of allowance or charge.	24700
SAC06	0...1	1/1	Allowance or charge percentage qualifier. Valid values: • 0 - Gross amount. • 1 - Item list cost. • 2 - Item net cost. • 3 - Discount/gross. • 4 - Discount/net. • 5 - Base price per unit. • 6 - Base price amount. • 7 - Base price amount less previous discount. • 8 - Net monthly on all invoices past due. • 9 - Late payment charge base amount. • B - Item total amount. • C - Item unit price. • D - Order total amount.	6
SAC07	0...1	1/6	Percentage of allowance or charge in decimal format. S source has a ANSI decimal presentation.	1.25

Input Element	Occurs	Length	Description	Example
SAC12	0...1	2/2	Allowance or charge method of handling code. Valid values: <ul style="list-style-type: none"> • 01 - Bill back. • 02 - Off invoice. • 04 - Credit customer account. • 05 - Charge to be paid by vendor. • 06 - Charge to be paid by customer. • 07 - Optional. • 08 - Off gross quantity invoiced. • 09 - Allowance to be issued by vendor. • 10 - Allowance to be issued by reseller. • 11 - Charge denied by vendor. • 12 - Cancel allowance. • 15 - Information only. • 18 - Non-payable tax. • 25 - Cash in advance. • CA - Calculate and add to invoice. • CC - Collect. • PP - Prepaid. 	02
ITD	0...*	-	Terms of sale or deferred terms of sale.	-
ITD01	0...1	2/2	Terms of sale type code. Identifies type of payment code. Valid values: <ul style="list-style-type: none"> • 01 - Basic terms of sale • 02 - End of month • 03 - Fixed date for payment • 04 - Deferred or installment • 05 - Discount not applicable • 06 - Missed terms • 07 - Extended terms • 09 - Proximo • 13 - Seller to advise buyer • 14 - Previously agreed terms • 15 - Special proximo 	01
ITD02	0...1	1/2	Terms of sale basis code. Identifies beginning of the terms of payment code. Valid values: <ul style="list-style-type: none"> • 1 - Ship date • 2 - Delivery date • 3 - Invoice date • 5 - Invoice receipt date • 7 - Effective date • 09 - Purchase order date 	3
ITD03	0...1	1/6	Percentage of discount available to the purchaser if an invoice is paid on or before the terms of payment discount due date.	1.25
ITD04	0...1	8/8	Discount due date in X12 date format YYYYMMDD.	-
ITD05	0...1	1/3	Number of days payment is due within discount period to qualify for the discount.	-
ITD06	0...1	8/8	Terms net due date. Date when the invoice total amount is due in X12 date format YYYYMMDD.	20231125
ITD07	0...1	1/3	Number of days total invoice payment is due where no discount is applicable.	30
ITD08	0...1	1/10	Total amount of terms of sale discount.	-
ITD09	0...1	8/8	Deferred due date for terms of sale. Refers to deferred payment or percent of invoice payable in X12 date format YYYYMMDD.	20231215
ITD10	0...1	1/10	Deferred amount due for payment.	55.25
ITD11	0...1	1/5	Percent of invoice payable. The amount of the invoice payable expressed as a percentage	100.00
ITD12	0...1	0/80	Description.	description
ITD13	0...1	1/2	Day of the month , this value can be min 1 and max can be maximum day in a month, expected to get this validated at front end or back end.	21
DTM	0...10	-	Shipping date. Child of HL shipment.	-

Input Element	Occurs	Length	Description	Example
DTM01	1...1	3/3	<p>Required. Date/Time qualifier identifying shipment date.</p> <p>Valid values</p> <ul style="list-style-type: none"> • 002 - Delivery requested by date • 003 - Invoice date • 004 - Purchase order date • 006 - Date sold • 007 - Effective date • 008 - Purchase order received date • 009 - Processing date • 010 - Shipment requested by date • 011 - Date shipped • 015 - Promotion start date • 016 - Promotion end date • 017 - Estimated delivery date • 018 - Product availability date • 020 - Check date • 023 - Promotion order start date • 024 - Promotion order end date • 025 - Promotion ship start date • 026 - Promotion ship end date • 035 - Date of delivery document, ASN • 036 - Expiration date • 037 - Not before shipment date • 038 - Not later shipment date • 040 - Status (After and Including) • 041 - Status (Prior and Including) • 050 - Date goods receipt posted (received into available inventory) • 061 - Cancel by date • 067 - Current scheduled delivery date • 068 - Scheduled shipment date • 069 - date of promised delivery • 070 - Delivery schedule date • 074 - Requested delivery date. • 079 - Promised for shipment date • 090 - Report start date • 091 - Report end date • 094 - Manufacturing date • 097 - Created on date • 097 - Transactional date • 102 - Date goods issue posted • 133 - Account receivable date • 146 - Closing date • 166 - Message date • 168 - Release date • 184 - Inventory Update date • 188 - Credit advice date • 189 - Debit advise date • 196 - Date Start • 197 - End date • 208 - Lot expiration date • 311 - Latest receiving / cutoff date • 324 - Returned date • 372 - Actual arrival date • 472 - Date services rendered • 512 - Warranty date • 514 - Transfer date • AAG - Due date • 814 - Payment due date • 922 - Date of original receipt • 938 - Order date • 964 - Billing date • 999 - Document date 	011
DTM02	0...1	8/8	Required. Date in CCYYMMDD format for shipment or delivery date of sending party.	20231125
DTM03	0...1	4/8	Time in HHMMSS or HHMM format for shipment or delivery date of sending party.	1230
TD5	0..*	-	Carrier details - Routing. Child of HL shipment.	-
TD501	0...1	1/2	<p>Routing sequence code describing relationship of a carrier to a specific shipment movement.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • B - Origin carrier regardless of mode • 0 - Origin carrier, air, motor or ocean 	0
TD502	0...1	1/2	<p>Code identifying the type of identifier in TD03.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • 2 - SCAC • 92 - Assigned by buyer or buyer's agent 	2
TD503	1...1	2/80	Required. Identifier code as defined by TD02.	ABFS

Input Element	Occurs	Length	Description	Example
TD504	0...1	1/2	Transportation method type code identifying the method or type of transport used for the shipment. Valid values: <ul style="list-style-type: none"> • A - Air • AE - Air Express • H - Customer pickup • I - Common irregular carrier • J - Truck • K - Backhaul • L - Contract carrier • LT - Less than trailer load (LTL) • M - Motor (common carrier) • N - Private Vessel • O - Container sea • P - Private Parcel service • R - Rail • S - Sea/Ocean • SR - Supplier truck • T - Best way • U - Inland waterway • U - Private parcel service (HDMA) • X - Intermodal (piggy-back) • ZZ - Mutually defined • 7 - Mail 	J
TD505	0...1	1/35	Routing. Free-form description of routing or requested routing for shipment or for originating carrier's identity.	-
TXI	0...*	-	Tax Information TXI^ST^20.17^6.5^CD^500^C^O^100.12^5001^1	-
TXI01	1...1	2/2	Required. Tax Type Code Valid values: <ul style="list-style-type: none"> • AB - SurTax • BE - Harmonized Sales Tax • CG - Customs Duty Tax (Federal Value Added tax on goods) • CS - City Sales Tax • CT - County Sales Tax • FD - Federal Excise Tax • GS - Goods and Services Tax • PG - Provincial Sales Tax • ST - State Sales Tax • TX - All Taxes • VA - Value Added Tax 	ST
TXI02	0...1	1/18	Monetary Amount	5.43
TXI03	0...1	1/10	Percentage as Decimal	6.5
TXI04	0...1	2/2	Tax Jurisdiction Code Qualifier	CD
TXI05	0...1	1/10	Tax Jurisdiction Code.	500
TXI06	0...1	1/1	Tax Exempt Code. Valid values: <ul style="list-style-type: none"> • 1 - Yes (Tax Exempt) • 2 - No (Tax Exempt) 	2
TXI07	0...1	1/1	Relationship Code	-
TXI08	0...1	1/9	Dollar Basis For Percent	-
TXI09	0...1	1/20	Tax Identification Number	-
N1	0...200	-	N1: Business and location partner names, identifiers, and address information. The following party types are currently supported: <ul style="list-style-type: none"> • Buyer • Ship to • Bill to • Supplier • Ship from • Carrier 	-
N101	1...1	2/3	Required. Entity identifier code for party identifier and address information for ship to party. Valid value: <ul style="list-style-type: none"> • BY - Buyer • BT - Bill to • ST - Ship to party • SU - Supplier • CA - Carrier 	ST
N102	0...1	1/60	Name	Wholesale Inc

Input Element	Occurs	Length	Description	Example
N103	0...1	1/2	Required. Identifier code qualifier. Valid values: • 01 - DUNS • 09 - DUNS+4 • 11 - Drug Enforcement Agency registration number • 21 - Health Industry Number • 91 - Company identifier • 92 - Company location identifier • UL - Global Location Number	11
N104	0...1	2/80	Required. Ship to party identifier, as qualified by N103.	3333331013655
N3	0...1	-	N3: Address. Child of Ship to N1 Name segment.	-
N301	1...1	1/55	Required. Street address 1	555 Neelan Road
N302	0...1	1/55	Street address 2	Suite 123
N4	0...1	-	N4: Geographic Location. Child of ship to N1 name segment.	-
N401	0...1	2/30	City name	Sacramento
N402	0...1	2/2	State or province code. Code (Standard state/province) as defined by appropriate government agency	CA
N403	0...1	3/15	Postal code. Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	95833
N404	0...1	2/3	Country code	US
N405	0...1	1/2	Placeholder for future use of SGLN.	-
N406	0...1	1/30	Placeholder for future use. Origin or Destination Shipping Location ID. SGLN number. NNI will not have sGLNs defined for any of their customers for the 2015 requirement.	-
REF	0...*	-	Purchase order reference information	-
REF01	1...1	2/3	Required. Reference identification qualifier. Valid values: • LU - GLN • DH - DEA • 0B - State License Number (Not Supported)	LU
REF02	0...1	1/50	Required. Reference identification for the purchase order as specified by the reference identification qualifier.	009875623
REF03	0...1	1/80	Description referenced identifier	-
PO1	1...*	-	Required. Baseline item data. At least one instance of a product code type and product code are required in any of PO107/PO108 thru PO124/PO125.	-
PO101	0...1	1/20	Purchase order line item number	000010
PO102	0...1	1/15	Required. Quantity of ordered product	200

Input Element	Occurs	Length	Description	Example
			<p>Required. Unit of measure for quantity. Valid values</p> <ul style="list-style-type: none"> • 01 - Cubic millimeter • 02 - Statute Mile • 4G - Microliter • AM - Ampoule • AV - Capsule • BD - Bundle • BG - Bag • B0 - Bottle • BX - Box • C3 - Centiliter • C8 - Cubic decimeters • CA - Case • CC - Cubic Centimeter • CF - Cubic Feet • CG - Card Blister • CH - Container • CI - Cubic Inches • CL - Cylinder • CM - Centimeter • CN - Can • CP - Crate • CQ - Cartridge • CR - Cubic Meters • CT - Carton • DA - Day • DI - Dispenser • DK - Kilometers • DL - Deciliter • DM - Decimeter • DR - Drum • DS - Display • DZ - Dozen • EA - Each • F0 - US Fluid Ounce • FT - Foot • GA - US Gallon • GL - Gram/Liter • GR - Gram • GS - Gross • H4 - Hectoliter • HF - Hundred Feet • HR - Hours • IN - Inch • K6 - Kiloliters • KG - Kilogram • KT - Kit • LB - US Pound • LF - Linear Foot • L0 - Lot (unit of procurement) • LT - Liter • LY - Linear Yard • MC - Microgram • ME - Milligram • ML - Milliliter • MM - Millimeter • M0 - Months • MR - Meter • OZ - Ounce • P1 - Percent • PC - Piece • PF - Pallet • PK - Pack • PK - Package • PR - Pair • PT - Pint • QT - Quart • RL - Roll • SC - Square Centimeter • SF - Square Foot • SH - Sheet • SI - Square Inch • SM - Square Meter • SP - Self Package • ST - Set • SY - Square Yard • SZ - Syringe • T3 - Thousand Pieces • TB - Tube • TH - Thousands • TN - Tonne • TS - Thousands • TY - Tray • U2 - Tablet • UM - Million • UN - Unit • US - Dosage Form • V2 - Pouch • VI - Vial • WK - Week • YD - Yard • YR - Years 	EA
PO103	0...1	2/2		

Input Element	Occurs	Length	Description	Example
PO104	0...1	1/17	Unit price per sale-able unit for ordered quantity.	21.25
PO106	0...1	2/2	<p>Product service ID qualifier mapping from global standards enumeration list.</p> <p>Valid values</p> <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hypen separator with 5 and characters • N6 - US National Health Related Item Code with hypen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. 	VN
PO107	0...1	1/48	Product or service identifier. Should be the same identifiers that will be used in the invoice.	08202000230
PO108	0...1	2/2	<p>Product service ID qualifier mapping from global standards enumeration list.</p> <p>Valid values</p> <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hypen separator with 5 and characters • N6 - US National Health Related Item Code with hypen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. 	IN
PO109	0...1	1/48	Product or service identifier. Should be the same identifiers that will be used in the invoice.	08202000230

Input Element	Occurs	Length	Description	Example
PO110	0...1	2/2	<p>Product service ID qualifier mapping from global standards enumeration list.</p> <p>Valid values</p> <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hypen separator with 5 and characters • N6 - US National Health Related Item Code with hypen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. 	MF
PO111	0...1	1/48	Product or service identifier. Should be the same identifiers that will be used in the invoice.	08202000230
PO112	0...1	2/2	<p>Product service ID qualifier mapping from global standards enumeration list.</p> <p>Valid values</p> <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hypen separator with 5 and characters • N6 - US National Health Related Item Code with hypen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. 	VC
PO113	0...1	1/48	Product or service identifier. Should be the same identifiers that will be used in the invoice.	-

Input Element	Occurs	Length	Description	Example
PO114	0...1	2/2	<p>Product service ID qualifier mapping from global standards enumeration list.</p> <p>Valid values</p> <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hypen separator with 5 and characters • N6 - US National Health Related Item Code with hypen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. 	UK
PO115	0...1	1/48	<p>Product or service identifier. Should be the same identifiers that will be used in the invoice.</p>	-
PO116	0...1	2/2	<p>Product service ID qualifier mapping from global standards enumeration list.</p> <p>Valid values</p> <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hypen separator with 5 and characters • N6 - US National Health Related Item Code with hypen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. 	UP
PO117	0...1	1/48	<p>Product or service identifier. Should be the same identifiers that will be used in the invoice.</p>	-

Input Element	Occurs	Length	Description	Example
PO118	0...1	2/2	<p>Product service ID qualifier mapping from global standards enumeration list.</p> <p>Valid values</p> <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hyphen separator with 5 and characters • N6 - US National Health Related Item Code with hyphen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. 	N4
PO119	0...1	1/48	Product or service identifier. Should be the same identifiers that will be used in the invoice.	-
PO120	0...1	2/2	<p>Product service ID qualifier mapping from global standards enumeration list.</p> <p>Valid values</p> <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hyphen separator with 5 and characters • N6 - US National Health Related Item Code with hyphen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. 	FV
PO121	0...1	1/48	Product or service identifier. Should be the same identifiers that will be used in the invoice.	-

Input Element	Occurs	Length	Description	Example
PO122	0...1	2/2	Product service ID qualifier mapping from global standards enumeration list. Valid values <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hyphen separator with 5 and characters • N6 - US National Health Related Item Code with hyphen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. 	N2
PO123	0...1	1/48	Product or service identifier. Should be the same identifiers that will be used in the invoice.	-
PO124	0...1	2/2	Product service ID qualifier mapping from global standards enumeration list. Valid values <ul style="list-style-type: none"> • BP - Customer's material number • CB - Buyer Catalog • EN - EAN 2-5-5-1 • FV - Canada product number • IN - Customer's(Buyer's) product item number • MF - Manufacturer's product number • MG - Manufacturer's part number • N1 - US National-Drug-Code-NDC442-with-hyphen-separators • N2 - US National-Drug-Code-NDC532-with-hyphen-separators • N3 - US National-Drug-Code-NDC541-with-hyphen-separators • N4 - US-National-Drug-Code-NDC542-with-hyphen-separators • N5 - US National Health Related Item Code with hyphen separator with 5 and characters • N6 - US National Health Related Item Code with hyphen separators with 6 and 4 characters • ND - US-National-Drug-Code • NH - US National Health Related Item Code • PI - Customer's material number • SK - Stock keeping unit • UA - UPC Case Code (2-5-5) • UJ - PackageUPC • UI - UPC Consumer Package Code (1-5-5) • UK - GTIN14 identifier • UP - EAN/UPC Universal Item Number/GTIN12 • UX - Universal product number • VC - Vendor (Supplier) material number • VN - Supplier material number. 	UP
PO125	0...1	1/48	Product or service identifier. Should be the same identifiers that will be used in the invoice.	-
PID	0...*	-	SN1- Item Details. Child of HL level Item.	-
PID01	0...1	1/1	Required. Item description type. The valid value is F - free from	F
PID05	0...1	1/80	Required. Item description.	-
PO4	-	-	Item physical details, pack size for containers.	-
PO401	0...1	1/6	Pack. The number of outer containers, or inner containers, or number of eaches if there are no inner containers, per outer container.	-
PO402	0...1	1/8	Size of supplier units in pack.	5

Input Element	Occurs	Length	Description	Example
			Unit or basis for measurement code. Valid values <ul style="list-style-type: none"> • 01 - Cubic millimeter • 02 - Statute Mile • 4G - Microliter • AM - Ampoule • AV - Capsule • BD - Bundle • BG - Bag • B0 - Bottle • BX - Box • C3 - Centiliter • C8 - Cubic decimeters • CA - Case • CC - Cubic Centimeter • CF - Cubic Feet • CG - Card Blister • CH - Container • CI - Cubic Inches • CL - Cylinder • CM - Centimeter • CN - Can • CP - Crate • CQ - Cartridge • CR - Cubic Meters • CT - Carton • DA - Day • DI - Dispenser • DK - Kilometers • DL - Deciliter • DM - Decimeter • DR - Drum • DS - Display • DZ - Dozen • EA - Each • F0 - US Fluid Ounce • FT - Foot • GA - US Gallon • GL - Gram/Liter • GR - Gram • GS - Gross • H4 - Hectoliter • HF - Hundred Feet • HR - Hours • IN - Inch • K6 - Kiloliters • KG - Kilogram • KT - Kit • LB - US Pound • LF - Linear Foot • L0 - Lot (unit of procurement) • LT - Liter • LY - Linear Yard • MC - Microgram • ME - Milligram • ML - Milliliter • MM - Millimeter • M0 - Months • MR - Meter • OZ - Ounce • P1 - Percent • PC - Piece • PF - Pallet • PK - Pack • PK - Package • PR - Pair • PT - Pint • QT - Quart • RL - Roll • SC - Square Centimeter • SF - Square Foot • SH - Sheet • SI - Square Inch • SM - Square Meter • SP - Self Package • ST - Set • SY - Square Yard • SZ - Syringe • T3 - Thousand Pieces • TB - Tube • TH - Thousands • TN - Tonne • TS - Thousands • TY - Tray • U2 - Tablet • UM - Million • UN - Unit • US - Dosage Form • V2 - Pouch • VI - Vial • WK - Week • YD - Yard • YR - Years 	AM
PO403	0...1	2/2		

Input Element	Occurs	Length	Description	Example
SAC	0...25	-	Service, promotion, allowance, or charge information.	-
SAC01	1...1	1/1	Required. Allowance or charge indicator. Identifies an allowance or charge for the purchase order. Valid values: • A - Allowance. • C - Charge. • N - No allowance or charge.	A
SAC02	0...1	4/4	Service, promotion, allowance, or charge code. Valid values: • A170 - Adjustments to credits or charges • A172 - Administrative credits or charges • A250 - Advances on credits or charges • A260 - Advertising Allowance • A210 - Advance fee • A380 - Advance on allowance • A320 - Air transport charge • A400 - Allowance Non-performance • A480 - Assembly credit or charge • A520 - Base charge • A600 - Bill of lading charge • A880 - Cancellation charge • A960 - Carrier charge • A930 - Carrier credit allowance • A940 - Carrier debit allowance • A980 - Cartage credit or charge • C040 - Delivery credit or charge • C030 - Delivery surcharge • C110 - Deposit • C150 - Destination charge • C310 - Discount • C340 - Distribution service • C350 - Distributor discount/allowance • C370 - Diversion charge • C400 - Documentation charge • C760 - Excess weight charge • D040 - Finance charge • D070 - Flat rate • F800 - Promotional Allowance • F810 - Promotional Discount • H000 - Special Allowance • I410 - Unsaleable minimum charge allowance	I410
SAC05	0...1	1/15	Amount of allowance or charge.	247.0
SAC06	0...1	1/1	Allowance or charge percentage qualifier. Valid values: • 0 - Gross amount. • 1 - Item list cost. • 2 - Item net cost. • 3 - Discount/gross. • 4 - Discount/net. • 5 - Base price per unit. • 6 - Base price amount. • 7 - Base price amount less previous discount. • 8 - Net monthly on all invoices past due. • 9 - Late payment charge base amount. • B - Item total amount. • C - Item unit price. • D - Order total amount.	6
SAC07	0...1	1/6	Percentage of allowance or charge in decimal format.	1.0
SAC12	0...1	2/2	Allowance or charge method of handling code. Valid values: • 01 - Bill back. • 02 - Off invoice. • 04 - Credit customer account. • 05 - Charge to be paid by vendor. • 06 - Charge to be paid by customer. • 07 - Optional. • 08 - Off gross quantity invoiced. • 09 - Allowance to be issued by vendor. • 10 - Allowance to be issued by reseller. • 11 - Charge denied by vendor. • 12 - Cancel allowance. • 15 - Information only. • 18 - Non-payable tax. • 25 - Cash in advance. • CA - Calculate and add to invoice. • CC - Collect. • PP - Prepaid.	02
TXI	0...*	-	Tax Information	Sample Data: TXI^TX^2.28.

Input Element	Occurs	Length	Description	Example
TXI01	1...1	2/2	Required. Tax type code. Valid values: <ul style="list-style-type: none"> • AB - SurTax • BE - Harmonized Sales Tax • CG - Customs Duty Tax (Federal Value Added tax on goods) • CS - City Sales Tax • CT - County Sales Tax • FD - Federal Excise Tax • GS - Goods and Services Tax • PG - Provincial Sales Tax • ST - State Sales Tax • TX - All Taxes • VA - Value Added Tax 	TX
TXI02	0...1	1/18	Monetary amount.	5.43
TXI03	0...1	1/10	Percentage as decimal.	-
TXI04	0...1	2/2	Tax Jurisdiction code qualifier.	-
TXI05	0...1	1/10	Tax jurisdiction code.	-
TXI06	0...1	1/1	Tax exempt code. Valid values: <ul style="list-style-type: none"> • 1 - Yes (Tax Exempt) • 2 - No (Tax Exempt) 	-
TXI07	0...1	1/1	Relationship code.	-
TXI08	0...1	1/9	Dollar basis for percent.	-
TXI09	0...1	1/20	Tax identification number.	-
N9	0...1000	-	Reference identification.	-
N901	0...1	2/3	Required. Reference identification qualifier.	-
N902	0...1	1/30	Required. Reference identification.	-
CTT	0...1	-	CTT-transaction totals.	-
CTT01	1...1	1/6	Required. Total number of line items in the transaction set.	15
AMT	0...1	-	Monetary amount information.	-
AMT01	0...0	1/2	Amount qualifier code. Valid value: <ul style="list-style-type: none"> • 1 - LINEITEMTOTAL • TT - TOTALAMOUNT 	1
AMT02	0...0	1/2	Monetary amount.	600
SE	1...1	-	Required. ST ... SE transaction set trailer envelope. Child of GS group. Only one ST transaction expected.	-
SE01	1...1	1/10	Required. Total count of segments in ST ... SE transaction set including ST and SE segments.	10
SE02	1...1	4/9	Required. Transaction set control number.	1
GE	1...1	-	Required. GS ... GE functional group trailer envelope. Child of ISA interchange. Only one GS group expected.	-
GE01	1...1	1/6	Required. Number of transaction sets in functional group.	5
GE02	1...1	1/9	Required. Functional group control number.	619827
IEA	1...1	-	Required. ISA ... IEA interchange control trailer envelope. Only one interchange expected per transmission.	-
IEA01	1...1	1/5	Required. Number of functional groups in interchange.	1
IEA02	1...1	9/9	Required. Interchange control number.	000000000619827

Example

```

ISA*00*auth_ISA02*01*secu_ISA04*07*ss007PL *01*7777776067344
*250612*1332*^*00501*000619827*0*P*>~
GS*P0*2222224043588*TRACELINK*20250611*1420*619827*X*005010~
ST*850*000000001~
BEG*00*KN*8196733288*Release_111*20230709*Contract_111*NA~
CUR*BY*CAD~
REF*DD*ref02_1~
REF*ZZ*CGP*Company A Global Purch~
PER*OC*Name1*TE*8976051231*EM*BSHIVERLAK@somecompany.com~
FOB*PP*CI*s42*01*CFR~
SAC*A*A400***24700*6*1.25*****02~
ITD*15*09*1.25*20250610*53*20250610*54**20250610*5525*100.0*desc1*21~
DTM*002*20250610*185806~

```

TD5*0***J~
TXI*CS*5.43*6.5*CD*500*2*A*1*NA~
N1*ST*ST_BusName*1*3333331013655~
N3*ST_address1*ST_address2~
N4*ST_city*CA*ST_PostCd*US~
REF*DH*009875623~
N1*BY*BY_BusName*9*3333331013666~
N3*BY_address1*BY_address2~
N4*BY_city*CA*BY_PoBYCd*US~
N1*BT*BT_BusName*11*3333331013677~
N3*BT_address1*BT_address2~
N4*BT_city*CA*BT_PoBTCd*US~
N1*SU*SU_BusName*91*3333331013688~
N3*SU_address1*SU_address2~
N4*SU_city*CA*SU_PoSUCd*US~
N1*SF*SF_BusName*93*3333331013699~
N3*SF_address1*SF_address2~
N4*SF_city*CA*SF_PoSFCd*US~
N1*RI*RI_BusName*94*3333331013601~
N3*RI_address1*RI_address2~
N4*RI_city*CA*RI_PoCACd*US~
N1*CA*CA_BusName*94*3333331013600~
N3*CA_address1*CA_address2~
N4*CA_city*CA*CA_PoCACd*US~
P01*00010*200*EA*21.25**VN*Vendor_1*PI*Buyer_1*FV*Cadin_1*UA*caseupc_1
*N1*ndc442
_1*N2*ndc532_1*NH*nhric_1*SK*sku_1*EN*ean2551_1*UI*packageupc_1~
PID*F****Item Desc 1~
P04*147*148*AM~
SAC*A*A400***24700*6*1.25*****02~
TXI*CS*5.43*6.5*CD*500*2*A*1*NA~
N9*NA*NA~
CTT*161~
AMT*1*162~
SE*43*000000001~
GE*1*619827~
IEA*1*000619827~



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