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## Organizational relationship (X12)

The Organizational Relationships transaction is a master data message used to share structured information about organizational hierarchies, relationships, and identifiers between trading partners. It defines how companies, business units, and locations relate to one another—such as parent-subsidiary, company-location, or owner-partner relationships—and includes key data such as names, addresses, contacts, and identifiers like GLNs, DUNS numbers, or internal codes.

An Organizational Relationship in X12 format is a structured way to represent the association between business entities using standardized identifiers and relationship codes within an EDI transaction.



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

- **Message Type:** MPC\_ORGANIZATIONAL\_RELATIONSHIP
- **X12 Format:** ORGANIZATIONALRELATIONSHIP
- **Transform Names:**
  - B2B\_EDI\_X12\_816\_OrganizationalRelationships\_IB\_V1

o B2B\_EDI\_X12\_816\_OrganizationalRelationship\_OB\_V1

**Guidelines**

Input Element	Occurs	Length	Description	Example
ISA	1..1		<b>Required.</b> ISA Interchange envelope.	.
ISA01	1..1	07	<b>Required.</b> Qualifier for authorization control number in ISA02.	00
ISA02	1..1	0010	<b>Required.</b> 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	02	<b>Required.</b> Qualifier for security information in ISA04.	00
ISA04	1..1	0010	<b>Required.</b> Identifies security information about the interchange sender or data. <b>Required.</b> Interchange sender partner ID qualifier. <b>Valid values:</b> +1 - Duns (Dun & Bradstreet). +2 - Standard Carrier Alpha Code. +3 - Federal Maritime Commission. +4 - International Air Transport Association. +7 - Global Location Number (GLN). +8 - UCC EDI Communications ID (Comm ID). +9 - X.121 (ICITT). +18 - 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 Modern. +14 - Duns Plus Suffix. +15 - Petroleum Accountants Society of Canada Company Code. +16 - DNS 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 (EDOCA) 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 - Digit Code of Postsecondary Institutions. +26 - Statistics of Canada List of Postsecondary Institutions. +27 - Career 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 (IAABC). +32 - U.S. Federal Employer Identification Number (EIN). +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. +39 - Association Mexicana del Código de Productos (AMECOP) Communication ID. +38 - National Retail Merchants Association (NRMA) - Assigned. +58 - User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System. +22 - Mutually Defined.	
ISA05	1..1	02	<b>Required.</b> Interchange sender identification mapping to: +1 Sender Number with party type defined in ISA05. +1 Identifier. +12 Interchange Control Envelope for sender in X12 control file header.	07
ISA06	1..1	1515	<b>Required.</b> Interchange receiver partner ID qualifier. <b>Valid values:</b> +1 - Duns (Dun & Bradstreet). +2 - Standard Carrier Alpha Code. +3 - Federal Maritime Commission. +4 - International Air Transport Association. +7 - Global Location Number (GLN). +8 - UCC EDI Communications ID (Comm ID). +9 - X.121 (ICITT). +18 - 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 Modern. +14 - Duns Plus Suffix. +15 - Petroleum Accountants Society of Canada Company Code. +16 - DNS 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 (EDOCA) 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 - Digit Code of Postsecondary Institutions. +26 - Statistics of Canada List of Postsecondary Institutions. +27 - Career 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 (IAABC). +32 - U.S. Federal Employer Identification Number (EIN). +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. +39 - Association Mexicana del Código de Productos (AMECOP) Communication ID. +38 - National Retail Merchants Association (NRMA) - Assigned. +58 - User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System. +22 - Mutually Defined.	777776067344
ISA07	1..1	02	<b>Required.</b> Interchange receiver identification mapping to: +1 Sender Number with party type defined in ISA05. +1 Identifier. +12 Interchange Control Envelope for sender in X12 control file header.	01
ISA08	1..1	1515	<b>Required.</b> Interchange receiver ID mapping to file control header and to Service/Link.	8888840435877
ISA09	1..1	06	<b>Required.</b> Interchange identification mapping to address/charge party value for receiver in X12 control file header.	231020
ISA10	1..1	04	<b>Required.</b> Interchange date in 6 char YYYYMMDD format.	1420
ISA11	1..1	01	<b>Required.</b> Interchange time in 4 char YYYYMM format.	
ISA12	1..1	05	<b>Required.</b> This value is dependent on X12 version. Version 4812 and earlier, this is the interchange control standards identifier. Valid value is 1. Version 4820 and later, this is the repetition separator, a delimiter that separates repeated occurrences of a data element or composite data structure, which must be different than the data element separator, component separator, and segment terminator.*	00501
ISA13	1..1	09	<b>Required.</b> Interchange control version number. This could be any X12 version. <b>Required.</b> Interchange Control Number mapping to: +1 File control header. +1 X12 control file header interchangeControlIdentifier.	000000000619827
ISA14	1..1	01	<b>Required.</b> Interchange level acknowledgment requested. <b>Valid values:</b> 0 - No acknowledgment requested 1 - Interchange level acknowledgment requested	0
ISA15	1..1	01	<b>Required.</b> Indicates whether the interchange is for production, test, or information purposes. <b>Valid values:</b> I - Information P - Production data T - Test data	P
ISA16	1..1	01	<b>Required.</b> 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..*		<b>Required.</b> X12 message version code. This could be any X12 version.	
GS01	1..1	02	<b>Required.</b> GS group functional envelope. Child of ISA. Only one GS group expected per interchange.	AC
GS02	1..1	0215	<b>Required.</b> GS group function code. Valid value is Acknowledging instruction information.	222224043588
GS03	1..1	0215	<b>Required.</b> Application Sender's Code.	TRACELINK
GS04	1..1	08	<b>Required.</b> Current date stamp in 8 char X12 date format YYYYMMDD.	20241029
GS05	1..1	08	<b>Required.</b> Current time stamp in 6 char X12 time format HHMMSS.	142000
GS06	1..1	09	<b>Required.</b> Group Control ID Number. <b>Valid values:</b> +1 - Responsible Agency Code. +1 - Transportation Data Coordinating Committee (TDCC) +1 - Accredited Standards Committee X12	619827
GS07	1..1	02	<b>Required.</b> X12 message version code. This could be any X12 version.	X
ST	1..*		<b>Required.</b> ST1 transaction set envelope. Child of GS group. Only one ST transaction expected.	005010
ST01	1..1	09	<b>Required.</b> Transaction set identifier code.	816
ST02	1..1	09	<b>Required.</b> Transaction set ID number. Counter for each ST segment beginning with 1.	0001
BT	1..1		<b>Required.</b> B2B Beginning Segment. <b>Required.</b> Identifies the type of hierarchical structure applied in the transaction, defining how hierarchical levels are related to one another. <b>Valid values:</b> +1 - 0005 - Structure type is company and its operating unit. +1 - 0007 - Structure type is subgroup or its subgroup and member. <b>Required.</b> Transaction Set Purpose Code identifying purpose of transaction set. <b>Valid values:</b> +1 - 00 - Original document, create in target. +1 - 01 - Cancel order. +1 - 02 - Create document or item from message. +1 - 03 - Delete document or item. +1 - 04 - Change to document header. +1 - 05 - Replace entire document. +1 - 06 - Document is a confirmation. +1 - 07 - Duplicate transaction. +1 - 08 - Document or item status. +1 - 11 - Response message. +1 - 12 - Request message. +1 - 13 - Proposed document or item. +1 - 14 - Message cancelled and resumed. +1 - 21 - Information only. +1 - 24 - Document is in draft state. +1 - 45 - Followup message. +1 - 00 - Document or item has been corrected.	0005
BHT01	1..1	04	<b>Required.</b> Transaction Set Purpose Code identifying purpose of transaction set.	0005
BHT02	1..1	02	<b>Required.</b> Transaction Set Purpose Code identifying purpose of transaction set. <b>Valid values:</b> +1 - 00 - Original document, create in target. +1 - 01 - Cancel order. +1 - 02 - Create document or item from message. +1 - 03 - Delete document or item. +1 - 04 - Change to document header. +1 - 05 - Replace entire document. +1 - 06 - Document is a confirmation. +1 - 07 - Duplicate transaction. +1 - 08 - Document or item status. +1 - 11 - Response message. +1 - 12 - Request message. +1 - 13 - Proposed document or item. +1 - 14 - Message cancelled and resumed. +1 - 21 - Information only. +1 - 24 - Document is in draft state. +1 - 45 - Followup message. +1 - 00 - Document or item has been corrected.	00
BHT03	0..1	080	<b>Required.</b> Reference identifier defined for a particular transaction set. The sender's internal number used to identify this transaction set within the sender's application system.	8475
BHT04	0..1	08	<b>Required.</b> Date the original transaction was generated in the sender's business application system, in X12 date format YYYYMMDD.	20160129
BHT05	0..1	08	<b>Required.</b> Transaction time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSDD.	22344
DTM	1..*		<b>Required.</b> Transaction document date or other header level dates.	

Input Element	Occurs	Length	Description	Example
			<b>Required:</b> Date type related to shipment events at port. In date format YYYYMMDD and time format (DDoc X12) HHMMSS. <b>Valid values:</b> 002 - Delivery requested by date 003 - Invoice date 004 - Purchase order date 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) 058 - Customs Clearance date 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 - Promise for shipment date 090 - Report start date 091 - Report end date 092 - Contract effective date 093 - Contract expiration date 094 - Manufacturing date 097 - Transactional date creation 102 - Date goods issue posted 133 - Account receivable date 139 - Estimated 140 - Actual date 146 - Closing date 161 - Loaded on vessel date 166 - Message date 168 - Release date 184 - Inventory Update date 188 - Credit advice date 189 - Debt advice date 196 - Date Start 197 - End date 200 - Lot expiration date 211 - Latest receiving / cutoff date 224 - Returned date 369 - Estimated Departure Date 370 - Actual Departure date 371 - Estimated Arrival date 372 - Actual arrival date 472 - Date services rendered 510 - Date packed 512 - Warranty date 514 - Transfer date 649 - Document due date 813 - Customs entry date 814 - Payment due date 922 - Date of original receipt 938 - Order date 964 - Billing date 999 - Document date A46 - Due date U11 - Validity date	
DTM01	1..1	3/3		999
DTM02	0..1	8/8	Date defined by referenced date type in date format YYYY-MM-DD. Transform will pass thru whatever it finds in Doc date and time fields.	20241215
DTM03	0..1	8/8	Time expressed in 24 hour clock time as follows.	
DTM04	0..1	3/2	Time zone for referenced dates.	RS
			Describes the date format, time format, or date and time period format type. <b>Valid values:</b> . D6 - YYYYMMDD . D8 - CCYYMMDD . DD - DAYFORMONTH . DT - CCYYMMDDHHMM . PD - MMDD . F - MMDDYY . FH - HHMM . TO - MMY . TS - HHMMSS . TT - MMDDYY . YH - YYMM	
DTM05	0..1	2/3		DT
DTM06	0..1	3/5	Describes the date format, time format, or date and time period.	
REF11	0..100		Reference segment for mapping to the transaction reference identifiers.	

Input Element	Occurs	Length	Description	Example
			<b>Required:</b> Reference identification qualifier for the contract class. <b>Valid values:</b> 13 - Consolidated Shipment Number 14 - Master account 1X - Credit debit adjustment identifier type 21 - Tracking number 72 - Schedule reference identifier 92 - Document change Tracking number A3 - Assignment AG - Agent's shipment identifier AH - Chargeback adjustment memo BAF - Receipt number BC - Customer contract number BL - Government Bill of Lading BH - Bill of lading BT - Batch CB - Combined Shipment CD - Credit advice CE - Consignee order number CK - Check number CH - Credit memo CN - Carrier reference CO - Customer order number, identifies the number assigned by the customer to their order. CR - Customer reference identifier CT - Contract number D1 - US Drug Enforcement Agency (DEA) order number DO - Document number DEA - DEA certificate identifier DH - DEA identifier number DI - Distributor invoice number DL - Debit memo DO - Delivery EH - Electronic payment EK - Third party reference identifier EB - Customs regulatory document identifier for shipments transiting under bond IK - Invoice party reference identifier IN - Consignee's Invoice Number IV - Seller's invoice K9 - Customer inquiry number MA - Ship notice or manifest number for shipment ME - Master bill of lading OI - Original invoice OO - Order number OZ - Previous DEA identifier number PK - Packing list number PO - Purchase order number PP - Purchase order revision number PR - Price quote number PT - Purchase Option Agreement Q1 - Supplier quotation number RD - DEA replacement identifier number OP - Original purchase order number RE - Release document number RZ - Return authorization transaction identifier type SE - Shipment number SN - Seal number SO - Shipper's Order (Invoice Number) TB - Truckler's Bill of Lading TN - Transaction reference number VAT - VAT Number VC - Supplier contract number VN - Supplier order number VR - Vendor identifier number MR - Master Reference (Link) Number MI - Work order (production order) number	
REF01	1..1	013		CT
REF02	0..1	180	Reference identifier value.	123456
REF03	0..1	180	Description defined by qualifier code in REF02.	sub-3408
REF121	0..30		Reference segment for mapping to the transaction references.	

Input Element	Occurs	Length	Description	Example
			<b>Required.</b> Reference identification qualifier for the contract class. Valid values: 18 - Consolidated Shipment Number 14 - Master account 1X - Credit debit adjustment identifier type 21 - Tracking number 72 - Schedule reference identifier 92 - Document change Tracking number A3 - Assignment AG - Agent's shipment identifier AH - Chargeback adjustment memo BAF - Receipt number BC - Customer contract number BL - Government Bill of Lading BH - Bill of lading BT - Batch CB - Combined Shipment CD - Credit advice CE - Consignee order number CK - Check number CH - Credit memo CN - Carrier reference CO - Customer order number, identifies the number assigned by the customer to their order. CR - Customer reference identifier CT - Contract number D1 - US Drug Enforcement Agency (DEA) order number DO - Document number DEA - DEA certificate identifier DH - DEA identifier number DI - Distributor invoice number DL - Debit memo DO - Delivery EH - Electronic payment EK - Third party reference identifier EB - Customs regulatory document identifier for shipments transiting under bond IK - Invoice party reference identifier IN - Consignee's Invoice Number IV - Seller's Invoice K9 - Customer inquiry number MA - Ship notice or manifest number for shipment ME - Master bill of lading OI - Original Invoice OO - Order number OZ - Previous DEA identifier number PA - Packing list number PO - Purchase order number PP - Purchase order revision number PR - Price quote number PT - Purchase Option Agreement Q1 - Supplier quotation number OD - DEA replacement identifier number OP - Original purchase order number RE - Release document number RZ - Return authorization transaction identifier type SE - Shipment number SN - Seal number SO - Shipper's Order (Invoice Number) TB - Trucker's Bill of Lading TN - Transaction reference number VAT - VAT Number VC - Supplier contract number VN - Supplier order number VR - Vendor identifier number WR - Master Reference (Link) Number WO - Work order (production order) number	
REF01	1..1	213		IA
REF02	0..1	180	Reference identifier value.	123456
REF03	0..1	180	Description defined by qualifier code in REF02.	
NI Loop	1..*		<b>Required.</b> Party identification.	
N1	1..1		<b>Required.</b> Entity qualifier for the Sender or Receiver party identifier and address information. Valid values: AB - Account of party BK - Bank BG - Purchasing group, buying group BS - Billto and Shipsto combined BT - Billto party BF - Customer, Buyer, sold to party CA - Carrier (transport operator) CI - Consignor CS - Consignee CL - Container location CO - Corporate office CH - Contract holder or contractor DA - Delivery address (party) DB - Distributor branch location DS - Distributor party or location DT - Destination terminal DI - Truck driver (no EDI qualifier, contextbased) EX - Exporter FR - Message sender HA - Owner of goods FW - Freight forwarder LB - Lead office location NI - Final customer NP - Manufacturer NP - Notify party N1 - First notify party N2 - Second notify party N3 - Third notify party OB - Bill of lading party OE - Booking office OT - Origin inland terminal PE - Party that will receive invoice, the payee PO - Party to receive invoice for goods or services PR - Person or organization that pays the invoice PK - Pickup location PI - Retail or institutional pharmacy dispenser. Also used for contracted third party pharmacy supporting a 304b covered entity. RO - Origin intermodal ramp RL - The party that receives the document containing weight information from the scale. RS - Destination intermodal ramp RL - Reporting party/location (RMS provider (Danone)) SF - Shipfrom location ST - Business party that issues the shipping instruction SN - Store number with location info for store SH - Shipper ST - Shipsto location SU - Supplier TD - Message receiver VN - Vendor (ask, seller) VI - Contact person information WR - Warehouse WT - Third party business or location information. Also used to identify third party logistics service provider. ZP - Public health service facility, 304B entity that takes ownership of a product in the original sale. ZI - Contracted third party service provider. Also used for third-party contracted pharmacy supporting a 340B covered entity. ZL - Partner or business entity group initiates the transaction	
N101	1..1	213		SU
N102	0..1	180	Name.	Pharma customer
N103	0..1	212	Identifier code qualifier. Valid values: 1 - D-U-N-S number, Dun and Bradstreet 9 - D-U-N-S + Ar, Dun and Bradstreet number plus suffix 11 - Drug Enforcement Agency registration number 21 - Health Industry Number 25 - Carrier customer code 91 - Company Identifier 92 - Company location identifier 93 - Transaction set sender 94 - Transaction set receiver 9L - Global Location Number	UL
N104	0..1	280	Party identifier as qualified by N103 mapping to companyIdentifierValue.	3333331013055
N2	0..2		<b>Required.</b> Additional names. Child of customer party N1 name segment. We do support one iteration of N2.	
N201	1..1	160	<b>Required.</b> Additional name 2.	Pharma name2
N202	0..1	160	Additional name 2.	Pharma name2
N3	0..2		<b>Required.</b> Address. Child of customer party N1 name segment.	
N301	1..1	255	<b>Required.</b> Street address 1.	555 Neelan Road
N302	0..1	255	Street address 2.	Suite 123
N4	0..1		<b>Required.</b> Geographic Location. Child of customer party N1 name segment.	
N401	0..1	230	City name.	Sacramento
N402	0..1	212	State or province code. Code (Standard state/province) as defined by appropriate government agency.	CA
N403	0..1	215	Postal code. Code defining international postal zone code excluding punctuation and blanks.	95811
N404	0..1	212	Country code.	US
N405	0..1	212	Type of location.	US
N406	0..1	210	Specific location.	95811
N407	0..1	212	Country subdivision.	US
REF11	0..12		Reference segment for mapping to the transaction reference identifiers.	

Input Element	Occurs	Length	Description	Example
			<b>Required:</b> Reference identification qualifier for the contract class. <b>Valid values:</b> 13 - Consolidated Shipment Number 14 - Master account 1X - Credit debit adjustment identifier type 21 - Tracking number 72 - Schedule reference identifier 92 - Document change Tracking number A3 - Assignment AG - Agent's shipment identifier AH - Chargeback adjustment memo BAF - Receipt number BC - Customer contract number BL - Government Bill of Lading BH - Bill of lading BT - Batch CB - Combined Shipment CD - Credit advice CE - Consignee order number CK - Check number CH - Credit memo CN - Carrier reference CO - Customer order number, identifies the number assigned by the customer to their order. CR - Customer reference identifier CT - Contract number D1 - US Drug Enforcement Agency (DEA) order number DO - Document number DEA - DEA certificate identifier DH - DEA identifier number DI - Distributor invoice number DL - Debit memo DO - Delivery EH - Electronic payment EK - Third party reference identifier EB - Customs regulatory document identifier for shipments transiting under bond IK - Invoice party reference identifier IN - Consignee's Invoice Number IV - Seller's invoice K9 - Customer inquiry number MA - Ship notice of manifest number for shipment ME - Master bill of lading OI - Original invoice OO - Order number OZ - Previous DEA identifier number PK - Packing list number PO - Purchase order number PP - Purchase order revision number PR - Price quote number PT - Purchase Option Agreement Q1 - Supplier quotation number RD - DEA replacement identifier number RP - Original purchase order number RE - Release document number RZ - Return authorization transaction identifier type SE - Shipment number SN - Seal number SO - Shipper's Order (Invoice Number) TB - Truck's Bill of Lading TN - Transaction reference number VAT - VAT Number VC - Supplier contract number VN - Supplier order number VR - Vendor identifier number MR - Master Reference (Link) Number MI - Work order (production order) number	
REF01	1..1	213		CT
REF02	0..1	180	Reference identifier value.	123456
REF03	0..1	180	Description defined by qualifier code in REF02.	sub-3408
REF 02	0..12		Reference segment for mapping to the transaction references.	

Input Element	Occurs	Length	Required. Reference identifier qualifier. Code identifies the type of ID number sent in REF02. For Wal-Mart, qualifier W is required for their internal vendor number. Valid values	Description	Example
			11 - Account Number		
			14 - Master account number		
			19 - Division Identifier		
			33 - Lender Case Number		
			87 - Functional category		
			L1 - Facility ID Number		
			IM - Group purchasing organization member identifier		
			T1 - Tracking Number		
			ZU - Payer Identification number for 340B programs		
			ZV - Receiver Assigned Drop Zone		
			46 - Carrier-assigned Shipper Number		
			4N - Special Payment Reference Number		
			GA - Consignee reference		
			GL - Agent contract number		
			GO - Cross Reference number		
			PM - Interchange Train Identification		
			BV - A credit reference number is a credit memo issued on the return of an original invoice number		
			BX - Transaction Category		
			BF - Referral Number		
			BV - Payment Category		
			BX - Account type/category		
			AAL - Booking agent reference		
			AAO - Carrier Assigned Code		
			ABS - Vessel Name		
			ACC - Status		
			ACD - Class Code		
			ACT - Accounting Code		
			AP1 - Processor Identification Number		
			ADT - Full Denial Reason Identifier		
			ACM - Distribution center identifier		
			AF - Airlines Flight Identification Number		
			AHC - Air Handling Code		
			AO - Appointment Number		
			AM - Air way bill Number		
			BN - Booking number		
			BP - Adjustment control number		
			BS - Split booking reference number		
			CB - Corrected contract number		
			CC - Collect Loads or Contract Co-op Number		
			EE - Class of contract code		
			CO - Customs house broker license number		
			CR - Customer reference Number		
			CT - Contract number		
			DH - US Drug Enforcement agency identifier		
			DI - Distributor Invoice Number		
			DJ - Delivery ticket number as reference from shippers / carrier / consignees system		
			DMS - DUNS number with four character suffix		
			DP - Department identifier		
			DQ - Delivery Quote Number		
			DT - Service Bulletin Number		
			DD - Customs export declaration reference Number		
			EP - Export License Number		
			EQ - Equipment number		
			EVI - Event Identification		
			F1 - File Identifier		
			FN - Freight forwarder reference identifier		
			GT - Goods and service tax registration number		
			HE - US Health Industry Number		
			HR - Horsepower		
			HS - Harmonized code system (Canada)		
			IA - Internal vendor Number		
			IT - Internal customer number		
			IX - Item number		
			JH - Other tag number		
			JK - Proof Of Delivery		
			KL - Contract reference number		
			L1 - Letters or notes		
			LE - Line item number		
			LD - Load planning reference number		
			LT - Lot or batch number		
			L1 - GS1-US Global Location Number (GLN)		
			MA - Manufacturing order number		
			MR - Merchandise type code		
			MTI - Master Tracking Number		
			NB - Letter of credit Number		
			OC - Ocean container number		
			OD - Original Return Request Reference Number		
			OH - Buyer assigned order identifier number		
			OT - Sales Allowance Number		
			P1 - Previous contract number		
			P2 - Previous DEA identifier		
			P3 - Previous HIN identifier		
			PF - Product line number		
			PG - Pickup reference number		
			PD - Promotion deal number		
			PE - Plant number		
			PHC - Process Handling Code		
			PRT - Product Type		
			QR - Company/place registration number		
			QS - Stop Sequence Number		
			QV - Express Service Code		
			RA - Repetitive Shipment Number		
			RF - Export reference number (not a licence number)		
			RU - Route Number		
			RK - Resubmit Number		
			RY - Rebate reference number		
			RZ - Returned goods authorization Number		
			RZ - Return goods authorization		
			SB - Sales Region Number		
			SCA - Standard Carrier Alpha Code (SCAC)		
			SE - Serial Number		
			SE - Shipper's Identifying Number for Shipment		
			ST - store number		
			SZ - Specification Revision		
			TD - Reason for change recorded for order		
			TG - Transportation control number		
			TS - Tariff reference number		
			VA - Vessel agent number		
			VN - Vendor order number referencing customer purchase order, ie, vendor sales order		
			VR - Internal vendor identifier		
			VT - Motor vehicle identification number		
			VX - VAT Registration Identifier		
			X8 - Secondary class Identifier		
			XX2 - Service Area Code		
			ZN - Carrier assigned reference / booking number		
			ZZ - Mutually defined transaction identifier		
			ZZ - Customer or mutually defined transaction identifier (DEPRECATED)		

Input Element	Occurs	Length	Description	Example
REF02	0..1	1/80	Reference identifier value.	
REF03	0..1	1/80	Description defined by qualifier code in REF02.	123456
PER	0..3		PER segment explains about contact information for party business or location.	
			<b>Required:</b> Contact type. Valid values: IC - Information contact FC - Forwarder contact FP - Responsible contact	IC
PER01	1..1	2/2	Contact name.	Ernie Smith
PER02	0..1	1/60	Communication qualifier.	TE
PER03	0..1	2/2	Contact phone number.	897654
PER04	0..1	1/2048	Communication qualifier.	EM
PER05	0..1	2/2	Contact email address.	ernsth@gmail.com
HL Loop	1..*	1/2048	Line item loop start for Organizational relationship, referring a line number in a transaction set.	
HL	1..1		<b>Required:</b> Organizational hierarchical level for to denote its reporting level.	
HL01	1..1	1/2	<b>Required:</b> Hierarchical level counter. Increment each instance by 1 from the last.	1
HL02	0..1	1/2	Hierarchical identifier for the parent level of the current level. If there is no parent level this value would be the same as the current hierarchical identifier.	2
			<b>Required:</b> Code identifying the hierarchical level of the hierarchical group in the organization. Valid values: * - Company or corporate level BC - Business entity level D - Super group level * - Operating unit, such as store, warehouse Code indicating if there are child data segments subordinate to the current HL level. Valid values: 1 - a child line item segment follows * - no child line item segment follows	35
HL03	1..1	1/2		
HL04	0..1	1/1		1
NI Loop	1..*		NI segment loop all items for organizational entities relationships and address and reference information.	
NI	1..1		<b>Required:</b> Party identification. <b>Required:</b> Entity qualifier for the Sender or Receiver party identifier and address information. Valid values: * - Account of party * - Bank * - Purchasing group, buying group * - Billto and Shipsto combined * - Billto party * - Customer, Buyer, sold to party * - CA - Carrier (transport operator) * - C1 - Consignor * - CN - Consignee * - CL - Container location * - CO - Corporate office * - CO - Contract holder or contractor * - DA - Delivery address/ party * - DB - Distributor branch location * - DS - Distributor party or location * - DT - Destination terminal * - D1 - Truck driver line IDQ qualifier, (contestbased) * - EX - Exporter * - FR - Message sender * - HA - Owner of goods * - HE - Freight forwarder * - LB - Head office location * - MA - Retail customer * - MF - Manufacturer * - NP - Notify party * - N1 - First notify party * - N2 - Second notify party * - N3 - Third notify party * - OR - Originator of party * - OE - Booking office * - OT - Origin inland terminal * - PE - Party that will receive invoice, the payee * - PD - Party to receive invoice for goods or services * - PR - Person or organization that pays the invoice * - RW - Pickup location * - RA - Retail or institutional pharmacy dispenser. Also used for contracted third party pharmacy supporting a 304b covered entry. * - RL - The party that receives the document containing weight information from the scale. * - RD - Destination intermodal ramp * - RP - Reporting party/location /RMS provider (Danone) * - SF - Shipfrom location * - SI - Business party that issues the shipping instruction * - SM - Shipper * - ST - Shipsto location * - SU - Supplier * - TD - Message receiver * - W - Vendor (ask seller) * - WI - Contact person information * - WH - Warehouse * - YE - Third party business or location information. Also used to identify third party logistics service provider. * - ZP - Public health service facility. 3048 entry that takes ownership of a product in the original sale. * - I - Contracted third party service provider. Also used for third-party contracted pharmacy supporting a 340B covered entry. * - AL - Partner or business entity group initiates the transaction	50
N101	1..1	2/3		
N102	0..1	1/60	Identifier code qualifier. Valid values: * - 1 - D-U-N-S number, Dun and Bradstreet * - 9 - D-U-N-S + 4r, Dun and Bradstreet number plus suffix * - 11 - Drug Enforcement Agency registration number * - 21 - Health Industry Number * - 25 - Carrier customer code * - 91 - Company Identifier * - 92 - Company location identifier * - 93 - Transaction set sender * - 94 - Transaction set receiver * - 9L - Global Location Number Party identifier as qualified by N103 mapping to companyIdentifierValue.	Pharma customer
N103	0..1	1/2	Name. Valid values: * - 1 - D-U-N-S number, Dun and Bradstreet * - 9 - D-U-N-S + 4r, Dun and Bradstreet number plus suffix * - 11 - Drug Enforcement Agency registration number * - 21 - Health Industry Number * - 25 - Carrier customer code * - 91 - Company Identifier * - 92 - Company location identifier * - 93 - Transaction set sender * - 94 - Transaction set receiver * - 9L - Global Location Number	UL
N2	0..1	2/80	Party identifier as qualified by N103 mapping to companyIdentifierValue.	333331013655
N201	1..1	1/60	<b>Required:</b> Additional name 2.	Pharma name2
N202	0..1	1/60	Additional name 2.	Pharma name2
N3	0..2		N3 Address. Child of customer party N1 name segment.	
N301	1..1	1/25	<b>Required:</b> Street address 1.	555 Neelan Road
N302	0..1	1/25	Street address 2.	Suite 123
N4	0..1		N4 Geographic Location. Child of customer party 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	1/15	Postal code. Code defining international postal zone code excluding punctuation and dashes.	95833
N404	0..1	2/3	Country code.	US
N405	0..1	1/2	Type of location.	CA
N406	0..1	1/20	Specific location.	95833
N407	0..1	2/3	Country subdivision.	US
PER	0..3		PER segment explains about contact information for party business or location.	
			<b>Required:</b> Contact type. Valid values: IC - Information contact FC - Forwarder contact FP - Responsible contact	IC
PER01	1..1	2/2	Contact name.	Ernie Smith
PER02	0..1	1/60	Communication qualifier.	TE
PER03	0..1	2/2	Contact phone number.	897654
PER04	0..1	1/2048	Communication qualifier.	EM
PER05	0..1	2/2	Contact email address.	ernsth@gmail.com
PER06	0..1	1/2048	Reference segment for mapping to the transaction reference identifiers.	
REF11	0..100			

Input Element	Occurs	Length	Description	Example
			<b>Required:</b> Reference identification qualifier for the contract class. <b>Valid values:</b> 13 - Consolidated Shipment Number 14 - Master account 1X - Credit debit adjustment identifier type 21 - Tracking number 72 - Schedule reference identifier 92 - Document change Tracking number A3 - Assignment AG - Agent's shipment identifier AH - Chargeback adjustment memo BAF - Receipt number BC - Customer contract number BL - Government Bill of Lading BH - Bill of lading BT - Batch CB - Combined Shipment CD - Credit advice CE - Consignee order number CK - Check number CH - Credit memo CN - Carrier reference CO - Customer order number, identifies the number assigned by the customer to their order. CR - Customer reference identifier CT - Contract number D1 - US Drug Enforcement Agency (DEA) order number DO - Document number DEA - DEA certificate identifier DH - DEA identifier number DI - Distributor invoice number DL - Debit memo DO - Delivery EH - Electronic payment EK - Third party reference identifier EB - Customs regulatory document identifier for shipments transiting under bond IK - Invoice party reference identifier IN - Consignee's Invoice Number IV - Seller's invoice K9 - Customer inquiry number MA - Ship notice of manifest number for shipment ME - Master bill of lading OI - Original invoice OO - Order number OZ - Previous DEA identifier number PK - Packing list number PO - Purchase order number PP - Purchase order revision number PR - Price quote number PT - Purchase Option Agreement Q1 - Supplier quotation number RD - DEA replacement identifier number OP - Original purchase order number RE - Release document number RZ - Return authorization transaction identifier type SE - Shipment number SN - Seal number SO - Shipper's Order (Invoice Number) TB - Truck's Bill of Lading TN - Transaction reference number VAT - VAT Number VC - Supplier contract number VN - Supplier order number VR - Vendor identifier number MR - Master Reference (Link) Number MI - Work order (production order) number	
REF01	1..1	213		CT
REF02	0..1	180	Reference identifier value.	123456
REF03	0..1	180	Description defined by qualifier code in REF02.	sub-3408
REF12	0..30		Reference segment for mapping to the transaction references.	

Input Element	Occurs	Length	Required. Reference identification qualifier for the contract class. Valid values	Description	Example
			11 - Account Number		
			14 - Master account number		
			19 - Division Identifier		
			33 - Lender Case Number		
			87 - Functional category		
			11 - Facility ID Number		
			1M - Group purchasing organization member identifier		
			11 - Tracking Number		
			2U - Payer Identification number for 340B programs		
			37 - Receiver Assigned Drop Zone		
			4E - Carrier-assigned Shipper Number		
			4N - Special Payment Reference Number		
			6A - Consignee reference		
			6L - Agent contract number		
			60 - Cross Reference number		
			7M - Interchange Train Identification		
			8V - A credit reference number is a credit memo issued on the return of an original invoice number		
			8X - Transaction Category		
			9F - Referral Number		
			9V - Payment Category		
			9X - Account type/category		
			AAL - Booking agent reference		
			AAO - Carrier Assigned Code		
			ABS - Vessel Name		
			ACC - Status		
			ACD - Class Code		
			ACT - Accounting Code		
			AP1 - Processor Identification Number		
			ADT - Full Denial Reason Identifier		
			ACM - Distribution center Identifier		
			AF - Airlines Flight Identification Number		
			AHC - Air Handling Code		
			AO - Appointment Number		
			AM - Air way bill Number		
			BN - Booking number		
			BP - Adjustment control number		
			BS - Split booking reference number		
			CB - Corrected contract number		
			CC - Collect Loads or Contract Co-op Number		
			EE - Class of contract code		
			EQ - Customs house broker license number		
			CR - Customer reference Number		
			CT - Contract number		
			DH - US Drug Enforcement agency identifier		
			DI - Distributor Invoice Number		
			DJ - Delivery ticket number as reference from shippers / carrier / consignees system		
			DMS - DUNS number with four character suffix		
			DP - Department Identifier		
			DQ - Delivery Quote Number		
			DT - Service Bulletin Number		
			ED - Customs export declaration reference Number		
			EP - Export License Number		
			EQ - Equipment number		
			EVI - Event Identification		
			F1 - File Identifier		
			FN - Freight forwarder reference identifier		
			GT - Goods and service tax registration number		
			HE - US Health Industry Number		
REF01	1..1	2/3	HR - Horsepower		DMS
			HS - Harmonized code system (Canada)		
			IA - Internal vendor Number		
			IT - Internal customer number		
			IX - Item number		
			JH - Other tag number		
			JK - Proof Of Delivery		
			KL - Contract reference number		
			L1 - Letters or notes		
			L1 - Line item number		
			LD - Load planning reference number		
			LT - Lot or batch number		
			L1 - US1-US Global Location Number (ULN)		
			M - Manufacturing order number		
			MR - Merchandise type code		
			MTI - Master Tracking Number		
			NB - Letter of credit Number		
			OC - Ocean container number		
			OD - Original Return Request Reference Number		
			OH - Buyer assigned order Identifier number		
			OT - Sales Allowance Number		
			P1 - Previous contract number		
			P2 - Previous DEA Identifier		
			P3 - Previous HIN Identifier		
			PF - Product line number		
			PG - Pickup reference number		
			PD - Promotion deal number		
			PE - Plant number		
			PHC - Process Handling Code		
			PRT - Product Type		
			QR - Company/place registration number		
			QH - Stop Sequence Number		
			QY - Express Service Code		
			RA - Repetitive Shipment Number		
			RF - Export reference number (not a licence number)		
			RU - Route Number		
			RK - Resubmit Number		
			RY - Rebate reference number		
			RZ - Returned goods authorization Number		
			RZ - Return goods authorization		
			SB - Sales Region Number		
			SCA - Standard Carrier Alpha Code (SCAC)		
			SE - Serial Number		
			SE - Shipper's Identifying Number for Shipment		
			ST - store number		
			SZ - Specification Revision		
			TD - Reason for change recorded for order		
			TG - Transportation control number		
			TS - Tariff reference number		
			VA - Vessel agent number		
			VN - Vendor order number referencing customer purchase order, ie, vendor sales order		
			VR - Internal vendor Identifier		
			VT - Motor vehicle identification number		
			VX - VAT Registration Identifier		
			X8 - Secondary class Identifier		
			XX2 - Service Area Code		
			YN - Carrier assigned reference / booking number		
			ZZ - Mutually defined transaction identifier		
			ZZ - Customer or mutually defined transaction identifier (DEPRECATED)		

Input Element	Occurs	Length	Description	Example
REF02	0..1	1/80	Reference identifier value.	
REF03	0..1	1/80	Description defined by qualifier code in REF02.	123456
DTM	0..*		<p><b>Dates.</b> Effective date of organization entity data changes.</p> <p><b>Required:</b> Date type related to shipment events at port, in date format YYYYMMDD and time format (DDcc X12) HHMMSS.</p> <p><b>Valid values:</b></p> <ul style="list-style-type: none"> <li>002 - Delivery requested by date</li> <li>003 - Invoice date</li> <li>004 - Purchase order date</li> <li>007 - Effective date</li> <li>008 - Purchase order received date</li> <li>009 - Processing date</li> <li>010 - Shipment requested by date</li> <li>011 - Date shipped</li> <li>015 - Promotion start date</li> <li>016 - Promotion end date</li> <li>017 - Estimated delivery date</li> <li>018 - Product availability date</li> <li>020 - Check date</li> <li>023 - Promotion order start date</li> <li>024 - Promotion order end date</li> <li>025 - Promotion ship start date</li> <li>026 - Promotion ship end date</li> <li>035 - Date of delivery document, ASN</li> <li>036 - Expiration date</li> <li>037 - Not before shipment date</li> <li>038 - Not later shipment date</li> <li>040 - Status (After and Including)</li> <li>041 - Status (Prior and Including)</li> <li>050 - Date goods receipt posted (received into available inventory)</li> <li>058 - Customs Clearance date</li> <li>061 - Cancel by date</li> <li>067 - Current scheduled delivery date</li> <li>068 - Scheduled shipment date</li> <li>069 - Date of promised delivery</li> <li>070 - Delivery schedule date</li> <li>074 - Requested delivery date</li> <li>079 - Promise for shipment date</li> <li>090 - Report start date</li> <li>091 - Report end date</li> <li>092 - Contract effective date</li> <li>093 - Contract expiration date</li> <li>094 - Manufacturing date</li> <li>097 - Transactional date creation</li> <li>102 - Date goods issue posted</li> <li>133 - Account receivable date</li> <li>139 - Estimated</li> <li>140 - Actual date</li> <li>146 - Closing date</li> <li>161 - Loaded on vessel date</li> <li>166 - Message date</li> <li>168 - Release date</li> <li>184 - Inventory Update date</li> <li>188 - Credit advice date</li> <li>189 - Debt advice date</li> <li>196 - Date Start</li> <li>197 - End date</li> <li>200 - Lot expiration date</li> <li>211 - Latest receiving / cutoff date</li> <li>224 - Returned date</li> <li>369 - Estimated Departure Date</li> <li>370 - Actual Departure date</li> <li>371 - Estimated Arrival date</li> <li>372 - Actual arrival date</li> <li>472 - Date services rendered</li> <li>510 - Date packed</li> <li>512 - Warranty date</li> <li>514 - Transfer date</li> <li>649 - Document due date</li> <li>813 - Customs entry date</li> <li>814 - Payment due date</li> <li>922 - Date of original receipt</li> <li>938 - Order date</li> <li>964 - Billing date</li> <li>999 - Document date</li> <li>A46 - Due date</li> <li>U11 - Validity date</li> </ul>	
DTM01	1..1	3/3		007
DTM02	0..1	8/8	Date defined by referenced date type in date format YYYY-MM-DD. Transform will pass thru whatever it finds in IDoc date and time fields.	20241215
DTM03	0..1	8/8	Time expressed in 24-hour clock time as follows.	
DTM04	0..1	3/2	Time zone for referenced dates.	85
DTM05	0..1	2/3	<p>Describes the date format, time format, or date and time period format type.</p> <p><b>Valid values:</b></p> <ul style="list-style-type: none"> <li>06 - YYYYMMDD</li> <li>08 - CCYYMMDD</li> <li>DD - DAYOFMONTH</li> <li>DT - CCYYMMDDHHMM</li> <li>PD - MMDD</li> <li>F - MMDDYY</li> <li>HH - HHMM</li> <li>TO - HMMY</li> <li>TS - HHMMSS</li> <li>TT - MMDDYY</li> <li>YH - YYYY</li> </ul>	DT
DTM06	0..1	3/35	Describes the date format, time format, or date and time period.	
AS1	0..1		Indicates type of action to be taken on item on the organization data.	
AS01	1..1	1/2	<p><b>Required:</b> Identifies the business action to be performed or that has been performed on an entity.</p> <p><b>Valid values:</b></p> <ul style="list-style-type: none"> <li>1 - Adding</li> <li>2 - Update the record in master data.</li> <li>3 - Deleting the record</li> </ul>	1
AS02	1..1	3/3	<p><b>Required:</b> Specifies the type or scope of maintenance applied when performing the action, such as full replacement or selective update of entity data.</p> <p><b>Valid values:</b></p> <ul style="list-style-type: none"> <li>001 - Existing item record is being updated</li> <li>002 - This item should no longer exist / be used</li> <li>003 - This is a brand-new item -- create it</li> </ul>	001

Input Element	Occurs	Length	Description	Example
AS03	0..1	3/3	<p>Indicates the reason or justification for the action or status change of the entity. Note: No sample values were found in the guidelines.</p> <p><b>Valid values</b></p> <ul style="list-style-type: none"> <li>A29 - Transfer of ownership is pending.</li> <li>001 - The merchandise was damaged or destroyed.</li> <li>A02 - Import container delay</li> <li>A03 - An unsuccessful attempt has been made to deliver the shipment</li> <li>A03 - The address for the shipment is incorrect.</li> <li>A04 - Indirect Delivery</li> <li>A05 - The transportation carrier cannot find the customer location</li> <li>A06 - The address for the shipment is incorrect or an additional address is required before the delivery can be completed.</li> <li>A07 - Shipment refused by consignee or delivery party.</li> <li>A09 - Goods damaged delivery has been completed</li> <li>A10 - Goods damaged delivery has not been completed</li> <li>A11 - The shipment could not be delivered because the business was closed.</li> <li>A12 - Delay caused by carrier sorting the shipment incorrectly.</li> <li>A13 - Other undefined reason</li> <li>A14 - Returned to shipper</li> <li>A15 - Business on strike: The action was frustrated by an industrial dispute.</li> <li>A17 - Delay in delivery due to a customer or consignee's request.</li> <li>A18 - Misrout</li> <li>A19 - Restricted articles are incompatible</li> <li>A20 - Restricted articles are unacceptable</li> <li>A24 - Delay in the shipment because of an accident.</li> <li>A25 - An unspecified delay caused by consignee</li> <li>A27 - The driver returned the shipment to the terminal</li> <li>A29 - Hold charged to delivery package</li> <li>A30 - A mechanical breakdown in the means of transport or equipment that were moving the goods.</li> <li>A31 - Arrived in station after courier dispatch</li> <li>A32 - Delivery delay caused by a non-specified carrier related reason.</li> <li>A34 - Package shipped from overgoods</li> <li>A36 - Holding in overgoods</li> <li>A37 - Damaged rewrapped in hub</li> <li>A39 - The customer previous to this stop caused a delay</li> <li>A40 - Unspecified delay caused by shipper</li> <li>A42 - Delivery party facilities closed for holiday.</li> <li>A43 - Shipment is delayed by severe weather or natural disasters.</li> <li>A45 - Delivery not completed</li> <li>A46 - Recipient Unavailable - Delivery Delayed. No information available concerning the responsible at the delivery address.</li> <li>A49 - Out of Delivery Area (ODA) cartage agent</li> <li>A50 - Improper international paperwork</li> <li>A51 - The shipment is on hold or has not been refused because customs and/or documentation issues.</li> <li>A59 - Further instructions are required. Hold at location.</li> <li>A60 - Customs release</li> <li>A85 - Past cutoff time. Delivery of the goods/consignments/equipment has been scheduled past or later than the cut-off time.</li> <li>A86 - Insufficient pickup time</li> <li>B01 - Anticipated delay caused by contractor</li> <li>B08 - Shipment is on hold pending contract unloading facility or equipment</li> <li>B14 - Shipment is being held because of missing documents. Complete and correct documentation is required.</li> <li>B15 - Shipment is being held pending clearance at a border point.</li> <li>D01 - The shipment has been delayed for delivery because of a carrier dispatch error.</li> <li>D50 - Further action on the delivery is delayed or postponed.</li> <li>D92 - Relevant authorities have ordered the goods/consignments/equipment be held for inspection.</li> <li>T07 - Insufficient delivery time at the delivery location prevented the carrier from completing delivery of the goods.</li> <li>T08 - A consignment or goods have been stolen.</li> <li>W15 - Wrong equipment</li> </ul>	
SE	1..1		<b>Required:</b> SE - SE transaction set trailer envelope. Child of GS group. Only one SE transaction expected.	
SE01	1..1	0/0	<b>Required:</b> Total count of segments in ST - SE transaction set including ST and SE segments.	10
SE02	1..1	A/9	<b>Required:</b> Transaction set control number.	0001
GE	1..1		<b>Required:</b> GE - GE functional group trailer envelope. Child of ISA interchange. Only one GE group expected.	
GE01	1..1	0/6	<b>Required:</b> Number of transaction sets in functional group.	5
GE02	1..1	0/9	<b>Required:</b> Functional group control number.	619827
ISA	1..1		<b>Required:</b> ISA - ISA interchange control trailer envelope. Only one interchange expected per transmission.	
ISA01	1..1	0/5	<b>Required:</b> Number of functional groups in interchange.	1
ISA02	1..1	0/9	<b>Required:</b> Interchange control number.	000000000619827

## Example

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        "country": "JP"
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    "mpcAdditionalAddressInformation": {
        "address3": "N202",
        "locationType": "11",
        "locationIdentifier": "N406",
        "countrySubDivisionCode": "407"
    },
    "companyLocationContactInformation": {
        "contactType": "INFORMATION",
        "contactName": "Contact",
        "contactEmail": "@email.com",
        "contactPhone": "9999999"
    }
},
"transactionReferenceIdentifierList": [
    {
        "b2bTransactionIdentifierType": "CONTRACT",
        "b2bTransactionIdentifierValue": "Contract Name"
    },
    {
        "b2bTransactionIdentifierType": "DOCUMENT",
        "b2bTransactionIdentifierValue": "Doc Name"
    }
],
"transactionReferenceInformation": [
    {
        "transactionReferenceType": "INTERNALVENDORNUMBER",
        "transactionReferenceIdentifier": "DocIAName",
        "description": "descIA"
    }
]
}
]
},
"canonicalOrganizationalRelationshipLineItemDetails": [
    {
        "hierarchicalLevel": [
            {
                "hierarchicalIdentifier": "1",
                "hierarchicalParentIdentifier": "1",
                "hierarchicalLevelCode": "COMPANY",
                "hierarchicalChildCode": "ONE"
            }
        ]
    }
],
```

```
"organizationalEntityBusinessInformation": [
  {
    "organizationalEntityInformation": {
      "partnerEntityType": "HEADOFFICE",
      "businessName": "Belk, Inc.",
      "mpcCompanyLocationIdentifierList": [
        {
          "companyIdentifierType": "GLN",
          "companyIdentifierValue": "3333331013655"
        }
      ],
      "additionalBusinessName": "N201L8",
      "address": {
        "address1": "Address1",
        "address2": "Adr2",
        "city": "City",
        "state": "CT",
        "postalCode": "99999",
        "country": "JP"
      },
      "mpcAdditionalAddressInformation": {
        "address3": "N202L8",
        "locationType": "11",
        "locationIdentifier": "N406",
        "countrySubDivisionCode": "407"
      },
      "companyLocationContactInformation": {
        "contactType": "FORWARDER",
        "contactName": "FC-Contact",
        "contactEmail": "email@email3.com",
        "contactPhone": "9-999-999-88888"
      }
    },
    "transactionReferenceIdentifierList": [
      {
        "b2bTransactionIdentifierType": "SEALNUMBER",
        "b2bTransactionIdentifierValue": "SN-11111"
      }
    ],
    "transactionReferenceInformation": [
      {
        "transactionReferenceType": "APPOINTMENTNUMBER",
        "transactionReferenceIdentifier": "A0-3333",
        "description": "REF03"
      }
    ]
  },

```

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"mpcDates": [  
  {  
    "dateType": "EFFECTIVE",  
    "dateValue": "2015-03-11T10:21:22.330Z",  
    "timeZone": "ES",  
    "dateTimePeriodFormat": "CCYYMMDDHHMM"  
  }  
],  
"entityAction": {  
  "statusCode": "ADD",  
  "maintenanceScopeType": "CHANGE",  
  "transactionStatusReasonCode":  
"COURIERDISPATCHTOSTATION"  
}  
}  
]  
}  
}
```

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