TRACELINK UNIVERSITY

Forecast plan (X12)

Forecasting APIs allow companies to exchange data about anticipated product demand and supply availability with upstream supply chain Partners without giving these Partners access to their serialization system of record. These Forecasts can be used by buyers to inform their Partners about anticipated demand for specific products and quantities they expect to need in an upcoming amount of time.

The Forecast Plan X12 message sends advanced notice to a supplier about the buyer's anticipated product quantity needs for an upcoming period of time.

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

- **Message Type**: MPC_FORECAST_PLAN (Forecast Plan)
- **X12 Format**: 830
- **Transform Name**:
  - B2B_EDI_X12_830_ForecastPlan_IB_V5
  - B2B_EDI_X12_830_ForecastPlan_OB_V1

Guidelines

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.	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.	-

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Input Element	Occurs	Length	Description	Example
ISA03	1...1	2/2	**Required.** Qualifier for security information in ISA04.	00
ISA04	1...1	10/10	**Required.** Identifies security information about the interchange sender or data.	-
ISA05	1...1	2/2	**Required.** Interchange sender partner ID qualifier.	07
ISA06	1...1	15/15	**Required.** interchange sender identification mapping to fileSenderNumber with party type defined in ISA05.	7777776067344
ISA07	1...1	2/2	**Required.** Interchange receiver partner ID qualifier.	01
ISA08	1...1	15/15	**Required.**EDI receiver ID mapping to file control header and to ServiceLinkId.	888888404358877
ISA09	1...1	6/6	**Required.** Interchange date in 6 char YYMMDD format.	231020
ISA10	1...1	4/4	**Required.** Interchange time in 4 char HHMM format.	1420
ISA11	1...1	1/1	**Required.** X12 version 4020 and greater use this field to store the repetition separator: A 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. X12 versions 4012 and earlier use U in this field.	^
ISA12	1...1	5/5	**Required.** Interchange control version number. Valid value is “00501”.	00501
ISA13	1...1	9/9	**Required.** interchange Control Number mapping to file control header.	0000000000619827
ISA14	1...1	1/1	**Required.** Interchange level acknowledgement requested. Valid values: • 0 - No acknowledgement requested • 1 - Interchange level acknowledgement 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...*	-	**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. Valid value is RE - WHS Stock Transfer Receipt Advice.	RE
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.	20301020
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. Valid values: • T - Transportation Data Coordinating Committee (TDCC) • X - Accredited Standards Committee X12	X
GS08	1...1	1/12	**Required.** X12 message version code. Valid value is 005010.	005010
ST	1...*	-	**Required.** ST transaction set envelope. Child of GS group. Only one ST transaction expected.	-
ST01	1...1	3/3	**Required.** Transaction set identifier code.	944
ST02	1...1	4/9	**Required.** Transaction set ID number. Counter for each ST segment beginning with 1.	0001
BFR	1...1	-	**Required.** Sales forcast/planning schedule beginning segment.	-

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Input Element	Occurs	Length	Description	Example
BFR01	1...1	2/2	Processing function code, transaction set purpose code. **Valid values:** • 00 - ORIGINAL • 01 - CANCEL • 02 - CREATE • 04 - CHANGE • 05 - REPLACE • 08 - STATUS • 11 - RESPONSE • 16 - PROPOSED • 22 - INFORMATION • C0 - CORRECTION	00
BFR02	0...1	1/80	**Required.** Reference identification: TL forecast plan identifier.	4500003288
BFR03	0...1	1/30	Release number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.	4
BFR04	1...1	2/2	**Required.** Forecast schedule type qualifier. Valid values: • AD - AUTHORIZEDDELIVERY • AS - AUTHORIZEDSHIPMENT • BB - CUSTOMERPRODUCTION • "DL - DELIVERYBASED • "JS - BUYERPRODUCTION • "KB - KANBAN • "NR - NONRECURRINGDEMAND • PD - PLANNEDDELIVERY • PR - PLANNEDREQUIREMENT • PS - PLANNEDSHIPMENT • IRD - RECURRINGDEMAND • SH - SHIPMENTBASED • ZZ - CUSTOM	BB
BFR05	1...1	1/1	**Required.** Schedule quantity qualifier identifying the type of quantities used when defining a schedule or forecast. Valid values: • A - DISCRETE • C - CUMULATIVE • D - NETCHANGE • R - REPLACEMENT	A
BFR06	1...1	8/8	Date for forecast plan or reference document. Required value. Note: there are three other optional Date field: BFR07, BFR08, BFR09. The standard does not specify what these dates are for. But research in multiple company 830 guidelines show that these are used in different ways by different companies, if used.	20240329
BFR10	0...1	1/30	Contract identifier for underlying customer purchase order.	000458712
BFR11	0...1	1/22	Purchase order number identifying customer or purchaser PO.	000458712
DTM	0...10		DTM header level dates.	-
DTM01	1...1	3/3	Date type. Valid values: • 004 - PURCHASEORDER • 067 - SCHEDULEDDELIVERY • 166 - DOCUMENT • 196 - STARTDATE	004
DTM02	0...1	8/8	Date value in date format YYYYMMDD.	20240329

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Input Element	Occurs	Length	Description	Example
DTM03	0...1	4/8	Time in time format HHMMSS.	092413
N1	0...1	-	N1: Name segment loop for: • buyer party ... sold to • ship to party • supplier party • ship from party	-
N101	1...1	2/3	Entity identifier code for party identifier and address information for: • sold to party (customert) • ship to party • supplier party • ship from party	BY
N102	1...1	1/60	**Required.** Name	Wholesale Inc
N103	1...1	1/2	Identifier code qualifier. Valid values: • 01 – DUNS • 09 – DUNS+4 • 11 – Drug Enforcement Agency registration number • 21 – Health Industry Number • 54 - Warehouse • 91 – Company identifier • 92 – Company location identifier • UL – Global Location Number	UL
N104	1...1	2/80	Buyer party identifier, as qualified by N103.	3333331013655
N3	0...1	-	N3: Address: Child of buyer party N1 name segment.	-
N301	1...1	1/55	Street address 1.	555 Neelan Road
N302	0...1	1/55	Street address 2.	Suite 123
N4	0...1	-	N4: Geographic Location. Child of buyer party N1 name segment.	-
N401	1...1	2/30	City name.	Sacramento
N402	1...1	2/2	State or province code. Code (Standard state/province) as defined by appropriate government agency.	CA
N403	1...1	3/15	Postal code. Code defining international postal zone code excluding punctuation and blanks.	95833
N404	1...1	2/3	Country code.	US
LIN	0...*	-	Transaction set line item details.	-
LIN01	0...1	1/20	Line item number.	000010
LIN02	1...1	2/2	Product/Service ID Qualifier. **Valid values:** • 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 • 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 • NH – US National Health Related Item Code • PI – Purchaser's(Customer's) product GTIN-14 identifier • SK – Stock Keeping Unit • UJ – Package UPC. Consumer Package Code (1-5-5). Legacy UPC • UK – GTIN14 identifier • UP – EAN/UPC Universal Item Number/GTIN12 • UX – Universal product number • VC – Vendor (Supplier) material number • VN – Supplier material number.	BP
LIN03	1...1	1/80	Product/service identifier value as qualifier by LIN02.	100021

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Input Element	Occurs	Length	Description	Example
LIN04	0...1	2/2	Product/Service ID Qualifier. **Valid values:** • 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 • 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 • NH – US National Health Related Item Code • PI – Purchaser's(Customer's) product GTIN-14 identifier • SK – Stock Keeping Unit • UJ – Package UPC. Consumer Package Code (1-5-5). Legacy UPC • UK – GTIN14 identifier • UP – EAN/UPC Universal Item Number/GTIN12 • UX – Universal product number • VC – Vendor (Supplier) material number • VN – Supplier material number.	VN
LIN05	0...1	1/80	Product/service identifier value as qualifier by LIN04.	1000818
LIN06	0...1	2/2	Product/Service ID Qualifier. **Valid values:** • 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 • 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 • NH – US National Health Related Item Code • PI – Purchaser's(Customer's) product GTIN-14 identifier • SK – Stock Keeping Unit • UJ – Package UPC. Consumer Package Code (1-5-5). Legacy UPC • UK – GTIN14 identifier • UP – EAN/UPC Universal Item Number/GTIN12 • UX – Universal product number • VC – Vendor (Supplier) material number • VN – Supplier material number.	UK
LIN07	0...1	1/80	**Required.** Product/service identifier value as qualifier by LIN06.	00002541789536
LIN08	0...1	2/2	**Required.** Product/Service ID Qualifier. **Valid values:** • 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 • 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 • NH – US National Health Related Item Code • PI – Purchaser's(Customer's) product GTIN-14 identifier • SK – Stock Keeping Unit • UJ – Package UPC. Consumer Package Code (1-5-5). Legacy UPC • UK – GTIN14 identifier • UP – EAN/UPC Universal Item Number/GTIN12 • UX – Universal product number • VC – Vendor (Supplier) material number • VN – Supplier material number.	SK
LIN09	0...1	1/80	**Required.** Product/service identifier value as qualifier by LIN08.	000025417895

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Input Element	Occurs	Length	Description	Example
LIN10	0...1	2/2	**Required.** Product/Service ID Qualifier. **Valid values:** • 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 • 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 • NH – US National Health Related Item Code • PI – Purchaser's(Customer's) product GTIN-14 identifier • SK – Stock Keeping Unit • UJ – Package UPC. Consumer Package Code (1-5-5). Legacy UPC • UK – GTIN14 identifier • UP – EAN/UPC Universal Item Number/GTIN12 • UX – Universal product number • VC – Vendor (Supplier) material number • VN – Supplier material number.	UX
LIN11	0...1	1/80	Product/service identifier value as qualifier by LIN10.	100021
LIN12	0...1	2/2	**Required.** Product/Service ID Qualifier. **Valid values:** • 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 • 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 • NH – US National Health Related Item Code • PI – Purchaser's(Customer's) product GTIN-14 identifier • SK – Stock Keeping Unit • UJ – Package UPC. Consumer Package Code (1-5-5). Legacy UPC • UK – GTIN14 identifier • UP – EAN/UPC Universal Item Number/GTIN12 • UX – Universal product number • VC – Vendor (Supplier) material number • VN – Supplier material number.	N1
LIN13	0...1	1/80	Product/service identifier value as qualifier by LIN12.	100021
LIN14	0...1	2/2	Product/Service ID Qualifier. **Valid values:** • 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 • 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 • NH – US National Health Related Item Code • PI – Purchaser's(Customer's) product GTIN-14 identifier • SK – Stock Keeping Unit • UJ – Package UPC. Consumer Package Code (1-5-5). Legacy UPC • UK – GTIN14 identifier • UP – EAN/UPC Universal Item Number/GTIN12 • UX – Universal product number • VC – Vendor (Supplier) material number • VN – Supplier material number.	N2
LIN15	0...1	1/80	Product/service identifier value as qualifier by LIN14.	100021

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Input Element	Occurs	Length	Description	Example
LIN16	0...1	2/2	Product/Service ID Qualifier. **Valid values:** • 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 • 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 • NH – US National Health Related Item Code • PI – Purchaser's(Customer's) product GTIN-14 identifier • SK – Stock Keeping Unit • UJ – Package UPC. Consumer Package Code (1-5-5). Legacy UPC • UK – GTIN14 identifier • UP – EAN/UPC Universal Item Number/GTIN12 • UX – Universal product number • VC – Vendor (Supplier) material number • VN – Supplier material number.	N2
LIN17	0...1	1/80	Product/service identifier value as qualifier by LIN16.	100021
LIN18	0...1	2/2	Product/Service ID Qualifier. **Valid values:** • 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 • 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 • NH – US National Health Related Item Code • PI – Purchaser's(Customer's) product GTIN-14 identifier • SK – Stock Keeping Unit • UJ – Package UPC. Consumer Package Code (1-5-5). Legacy UPC • UK – GTIN14 identifier • UP – EAN/UPC Universal Item Number/GTIN12 • UX – Universal product number • VC – Vendor (Supplier) material number • VN – Supplier material number.	N3
LIN19	0...1	1/80	Product/service identifier value as qualifier by LIN18.	100021
LIN20	0...1	2/2	**Required.** Product/Service ID Qualifier. **Valid values:** • 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 • 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 • NH – US National Health Related Item Code • PI – Purchaser's(Customer's) product GTIN-14 identifier • SK – Stock Keeping Unit • UJ – Package UPC. Consumer Package Code (1-5-5). Legacy UPC • UK – GTIN14 identifier • UP – EAN/UPC Universal Item Number/GTIN12 • UX – Universal product number • VC – Vendor (Supplier) material number • VN – Supplier material number.	N4
LIN21	0...1	1/80	**Required.** Product/service identifier value as qualifier by LIN20.	100021
UIT	0...1		**Required.** UIT: Unit item details ... base unit of measure for line item.	-

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Input Element	Occurs	Length	Description	Example
UIT01.1	1...1	2/2	**Required.** Quantity unit of measure for UIT01. **Valid values** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – 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 • FO – 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 • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MQ – Cubic millimeter • MR – Meter • OZ – Ounce • P1 – Percent • PC – Piece • PF – Pallet • PK – Pack (Only supported Outbound) • 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

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Input Element	Occurs	Length	Description	Example
DTM	0...1	-	DTM: Dates at the line item level.	-
DTM01	1...1	3/3	**Required.** Date type. Valid values: • 004 - PURCHASEORDER • 011 - SHIPPED • 017 - ESTIMATEDDELIVERY • 035 - DELIVERY • 037 - SHIPNOTBEFORE • 038 - SHIPNOTLATER • 067 - SCHEDULEDDELIVERY	004
DTM02	0...1	8/8	Date value in date format YYYYMMDD.	20240329
DTM03	0...1	4/8	Time in time format HHMMSS.	092413
PID	0...*	-	PID: Product/item description.	-
PID01	0...1	1/1	Item description type.	F
PID05	0...1	1/80	Product description.	-
REF	0...*	-	REF segment mapping to plant identifier.	-
REF01	0...1	2/3	Reference identifier type. Valid values is PE - Plant identifier.	F
REF02	0...1	1/80	**Required.** Plant identifier.	012547
REF	0...*	-	**Required.** REF: Additional reference info, including plant identifier.	-
REF01	0...1	2/3	**Required.** Reference identifier type. Valid values:\n\n-V0 = Forecast version.	F
REF02	0...1	1/80	**Required.** Product description.	1
QTY	0...*	-	QTY: Quantities at item level for sales forecast.	-
QTY01	1...1	2/2	**Required.** Quantity type. Valid values: • 45 - ONORDER • 87 - RECEIVED • VJ - OUTSTANDING	45
QTY02	0...1	1/15	Quantity value.	200

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Input Element	Occurs	Length	Description	Example
QTY03	1...1	2/2	Unit of measure for quantity. **Valid values** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – 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 • FO – 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 • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MQ – Cubic millimeter • MR – Meter • OZ – Ounce • P1 – Percent • PC – Piece • PF – Pallet • PK – Pack (Only supported Outbound) • 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

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Input Element	Occurs	Length	Description	Example
FST	0...*	-	FST: Forecast schedule loop. At least one occurrence of segment FST is required.	-
FST01	1...1	1/15	Quantity for current forecast schedule loop.	125
FST02	1...1	1/1	Forecast qualifier specifying the sender's confidence level of the forecast data or an action associated with a forecast.	D
FST03	1...1	1/1	Forecast timing qualifier. Valid values: • C - DAY • W - WEEK • M - MONTH • F - INTERVAL • A - YEARLY • S - TWICEYEARLY • B - DELIVERY • D - DISCRETE • Q - QUARTER • T - FOURWEEK • Z - CUSTOM	M
FST04	1...1	8/8	Forecast schedule line date in date format YYYYMMDD.	20240329
FST05	0...1	8/8	**Required.** Unspecified date. Currently not mapped.	20240429
FST06	0...1	3/3	**Required.** Date qualifier for FST04.	-
FST11	-	-	**Required.** Quantity type for FST01 quantity for current forecast schedule loop. Valid values: • 01 - DISCRETE • 02 - CUMULATIVE • H3 - RELEASED	01
SDQ	0...*	-	**Required.** SDQ: Child of forecast schedule loop. Optional segment.	-

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Input Element	Occurs	Length	Description	Example
SDQ01	1...1	2/2	Unit of measure for SDQ segment quantity. **Valid values** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – 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 • FO – 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 • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MQ – Cubic millimeter • MR – Meter • OZ – Ounce • P1 – Percent • PC – Piece • PF – Pallet • PK – Pack (Only supported Outbound) • 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

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Input Element	Occurs	Length	Description	Example
SDQ02	0...1	1/2	**Required.** Location identification code qualifer.	92
SDQ03	1...1	2/80	Location identification code value.	000258745
SDQ04	1...1	1/15	Quantity.	1000
SDQ05	0...1	2/80	Location identification code value.	000258746
SDQ06	0...1	1/15	Quantity.	500
SDQ07	0...1	2/80	Location identification code value.	000258747
SDQ08	0...1	1/15	Quantity.	750
SDQ09	0...1	2/80	**Required.** Location identification code value.	000258748
SDQ10	0...1	1/15	Quantity.	800
SDQ11	0...1	2/80	**Required.** Location identification code value.	000258749
SDQ12	0...1	1/15	**Required.** Quantity.	690
SDQ13	0...1	2/80	Location identification code value.	000258750
SDQ14	0...1	1/15	Quantity.	450
SDQ15	0...1	2/80	Location identification code value.	000258751
SDQ16	0...1	1/15	Quantity.	825
SDQ17	0...1	2/80	Location identification code value.	000258752
SDQ18	0...1	1/15	Quantity.	825
SDQ19	0...1	2/80	Location identification code value.	000258753
SDQ20	0...1	1/15	Quantity.	675
SDQ21	0...1	2/80	Location identification code value.	000258754
SDQ22	0...1	1/15	Quantity.	380
CTT	0...1	-	CTT-Transaction Totals.	-
CTT01	1...1	1/6	**Required.** Total number of line items in the transaction set.	15
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.	0000000000619827

Example

```
ISA*00* *00* *20*Sender *ZZ*Receiver
*240129*1050*^*00501*000619827*0*P*>
GS*RE*975312468*TRACELINK*20240129*1050*619827*X*005010
ST*944*0001
BFR*02*4500003288*4500003289*AS*D*20240102****000458712*000458713
DTM*004*20240404*040411
N1*BY*Buyer*11*001000286
N3*BY Street1*Street2
N4*BY City*CA*13456*US
N1*ST*ShipTo*9*3333331013655
N3*ShipTo Address 1*ShipTo Address 2
N4*ShipTo City*MA*01876*JP
N1*SU*SUPPLIER/VENDOR (LF/SU)*11*001000286
N3*Supplier Street1* Street2
N4*Supplier City*SU*33333*US
N1*SF*ShipFrom*21*257785475
N3*SF Stree1*SF Steert2
N4*SF City*SF*4444*US
LIN*000010*BP*BUYER*FV*CA_DIN*MF*MANUFACTURER*PI*CUSTOMER*SK*SKU*UK*GT
IN14*UX*UP
```

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```
C*N1*US_NDC442*N2*US_NDC532*N3*US_NDC541
UIT*YR
DTM*011*20240515*092413
PID*F****012547
REF*V0*ForecastVersion
REF*PE*PlantIdentifier
QTY*45*5550*EA
FST*66*D*W*20240129*20240130*1*****01
SDQ*EA*92*STR101*71*STR102*72*STR103*73*STR104*74*STR105*75*STR106*76*
STR107*77*
STR108*78*STR109*79*STR110*710
CTT*30
SE*15*0015
GE*15*2235
IEA*1*000619827
```

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