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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_EDIX12_830_ForecastPlan_IB_V4
 - B2B_EDIX12_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.	-

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.	000000000619827
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 forecast/planning schedule beginning segment.	-

Input Element	Occurs	Length	Description	Example
BFR01	1...1	2/2	Processing function code, transaction set purpose code. Valid values: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 004 - PURCHASEORDER • 067 - SCHEDULEDELIVERY • 166 - DOCUMENT • 196 - STARTDATE 	004
DTM02	0...1	8/8	Date value in date format YYYYMMDD.	20240329

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 • 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

Input Element	Occurs	Length	Description	Example
LIN04	0...1	2/2	Product/Service ID Qualifier. 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 • 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: <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 • 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: <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 • 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

Input Element	Occurs	Length	Description	Example
LIN10	0...1	2/2	<p>Required. Product/Service ID Qualifier.</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 • 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	<p>Required. Product/Service ID Qualifier.</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 • 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	<p>Product/Service ID Qualifier.</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 • 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

Input Element	Occurs	Length	Description	Example
LIN16	0...1	2/2	Product/Service ID Qualifier. 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 • 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: <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 • 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: <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 • 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.	-

Input Element	Occurs	Length	Description	Example
UIT01.1	1...1	2/2	<p>Required. Quantity unit of measure for UIT01.</p> <p>Valid values</p> <ul style="list-style-type: none"> • 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 • 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

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 - SCHEDULEDELIVERY	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

Input Element	Occurs	Length	Description	Example
QTY03	1...1	2/2	Unit of measure for quantity. Valid values <ul style="list-style-type: none"> • 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 • 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

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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 01 - DISCRETE • 02 - CUMULATIVE • H3 - RELEASED 	01
SDQ	0...*	-	Required. SDQ: Child of forecast schedule loop. Optional segment.	-

Input Element	Occurs	Length	Description	Example
SDQ01	1...1	2/2	Unit of measure for SDQ segment quantity. Valid values <ul style="list-style-type: none"> • 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 • 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

Input Element	Occurs	Length	Description	Example
SDQ02	0...1	1/2	Required. Location identification code qualifier.	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.	000000000619827

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

```

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

Forecast plan (EDIFACT)

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)
- **EDIFACT Format:** EDIFACT DELFOR
- **Transform Name:**
 - B2B_EDI_EDIFACT_DELFOR_ForecastPlan_IB_V1
 - B2B_EDI_EDIFACT_DELFOR_ForecastPlan_OB_V1

Guidelines

Input Element	Occurs	Length	Description	Example
ISA	1	10	ISA Interchange Header	

Input Element	Occurs	Length	Description	Example
UN03	1..1	1/1	Required. Decimal Mark.	
UN04	1..1	1/1	Required. Release Indicator.	
UN05	1..1	1/1	Required. Reserved for Future.	
UN6	1..1	1..1	Required. UNB Interchange Header	
UN80	1..1	1..1	Required. Syntax Identifier	
UN80	1..1	1..1	Required. Syntax Identifier Valid Values <ul style="list-style-type: none"> UN00 - Alternative graphic character allocations and national or application-oriented graphic character allocations. UN06 - Alternative graphic character allocations and national or application-oriented graphic character allocations. UN0C - Latin alphabet No. 1. UN0D - Latin alphabet No. 2. UN0E - Latin or Cyrillic alphabet. UN0F - Latin or Greek alphabet. UN0G - Latin alphabet No. 3. UN0H - Latin alphabet No. 4. UN0I - Latin or Arabic alphabet. UN0J - Latin or Hebrew alphabet. UN0K - Latin alphabet No. 5. UN0L - UN0C. UN0M - UN0D. UN0N - Code extension technique as defined by ISO 2022 utilizing the escape technique in accordance with ISO 2375. UN0Y - ISO 10646-1 octet without code extension technique. 	UN0B
UN80.2	1..1	1/1	Required. Syntax version number.	1
UN87	1..1	1..1	Required. Interchange Sender	
UN88.1	1..1	1/5	Required. Sender Identification Valid values <ul style="list-style-type: none"> 1 - UNS Data Universal Numbering System). Partner identification code assigned by Dun & Bradstreet. 4 - IATA (International Air Transport Association) partner identification code assigned by the International Air Transport Association. 5 - INSEE (Institut National de la Statistique et des Etudes Economiques) - SIRET (French national statistics institute). SIRET means Systeme Informatique du Repertoire des entreprises et de leurs Etablissements. 8 - UIC Communications ID (Uniform Code Council) Communications Identifier is ten digit code used to uniquely identify physical and logical locations. 9 - UNS Data Universal Numbering System partner identifier with 4 digit suffix assigned by Dun & Bradstreet. 12 - Telephone number where a partner identification code corresponds to the partner telephone number. 14 - OSI. Partner identification code assigned by OSI, an international organization of OSI Member Organizations that manage the OSI System. 18 - IAGI (Automotive Industry Action Group) partner identifier code assigned by the Automotive Industry Action Group. 22 - INSEE (Institut National de la Statistique et des Etudes Economiques) - SIREN (Systeme Informatique du Repertoire des Entreprises et de leurs Etablissements). French national statistics institute. 38 - ISO 6523. Organization Identification. Partner identification code specified in ISO 6523 for the identification of organizations. 31 - DIN (Deutsches Institut fuer Normung). German standardization institute. 33 - BR (Bundesvereinigungstatistischer Anstalten). German social security association. 34 - National Statistical Agency. Partner identification code assigned by a national statistical agency. 31 - GEF (General Electric Information Services). Partner identification code assigned by General Electric Information Services. 52 - NSI (NSI Network Services). Partner identification code assigned by NSI Network Services. 53 - Datenzentrale des Einzelhandels. German data center for retail trade. 54 - Bundesverband der Deutschen Bauoffhandeler. German building material trade association. 55 - Bank identifier code. 57 - ICB (IATA International Clearing Bank) partner identification code. 58 - UPU (Universal Postal Union) partner identification code. 59 - COETE (Organization for Data Exchange through Tele-Transmission in Europe). European automotive industry project. 61 - SCAC (Standard Carrier Alpha Code). Directory of standard multimodal carriers and tariff agent codes. 63 - ECA (Electronic Commerce Australia). Australian Association for Electronic Commerce. 65 - TELEBOX 400 (Deutsche Telekom). German telecommunications service. 88 - NHS (National Health Service). United Kingdom National Health Service. 82 - Statens Tilsynsforing. Norwegian telecommunications regulatory authority (NTRA). 84 - Athens Chamber of Commerce. Greek Chamber of Commerce. 85 - Swiss Chamber of Commerce. 86 - United States Council for International Business. 87 - National Federation of Chambers of Commerce and Industry. 88 - Association of British Chambers of Commerce. 90 - SIFA (Societa Internazionale de Telecomunicazioni Assicuratrici). 91 - Partner identifier assigned by seller or seller's agent. 92 - Partner identifier assigned by buyer or buyer's agent. 183 - TW Trade van an EDI VAN service center for customs, transport, and insurance in national and international trade. 128 - CH SW (Swiss Clearing Bank Number) identifier for a Swiss clearing bank as a sender and/or receiver of an electronic message. 129 - CH BF (Business Partner Identification) identifier code for a corporate or Swiss non-clearing bank as a sender and/or receiver of an electronic message. 144 - US DoDAAC (Department of Defense Activity Address Code). Code assigned to uniquely identify all military units in the United States Department of Defense. 145 - FR DCCP (Direction Generale de la Comptabilite Administrative). Code assigned by the French public accounting office. 146 - FR DGI (Direction Generale des Impots). Code assigned by the French taxation authority. 147 - PJ PROCELO (Japan Information Processing Development Corporation) Electronic Commerce Promotion Council party identification code. 148 - ITU (International Telecommunications Union) Data Network Identification Code (DNIC). 589 - DE BDEW (Bundesverband der Energie- und Wasserwirtschaft e.V.). The Federal Association of Energy and Water (BDEW) is the trade association of the German natural gas, electricity supply, long-distance heating and water supply industries. 581 - EASE (European Association for the Streamlining of Energy Exchange). Partner identification code reserved with EASE gas. 582 - DE DVGW (Deutsche Vereinigung des Gas- und Wasserfaches e.V.) the German Technical and Scientific Association for Gas and Water. 581 - Registration number of a vehicle assigned by a recognized authority. 222 - Mutually agreed between trading partners. 	SENDER1
UN88.2	1..1	1/4	Required. Sender Identification Valid values <ul style="list-style-type: none"> 61 - SCAC (Standard Carrier Alpha Code). Directory of standard multimodal carriers and tariff agent codes. 63 - ECA (Electronic Commerce Australia). Australian Association for Electronic Commerce. 65 - TELEBOX 400 (Deutsche Telekom). German telecommunications service. 88 - NHS (National Health Service). United Kingdom National Health Service. 82 - Statens Tilsynsforing. Norwegian telecommunications regulatory authority (NTRA). 84 - Athens Chamber of Commerce. Greek Chamber of Commerce. 85 - Swiss Chamber of Commerce. 86 - United States Council for International Business. 87 - National Federation of Chambers of Commerce and Industry. 88 - Association of British Chambers of Commerce. 90 - SIFA (Societa Internazionale de Telecomunicazioni Assicuratrici). 91 - Partner identifier assigned by seller or seller's agent. 92 - Partner identifier assigned by buyer or buyer's agent. 183 - TW Trade van an EDI VAN service center for customs, transport, and insurance in national and international trade. 128 - CH SW (Swiss Clearing Bank Number) identifier for a Swiss clearing bank as a sender and/or receiver of an electronic message. 129 - CH BF (Business Partner Identification) identifier code for a corporate or Swiss non-clearing bank as a sender and/or receiver of an electronic message. 144 - US DoDAAC (Department of Defense Activity Address Code). Code assigned to uniquely identify all military units in the United States Department of Defense. 145 - FR DCCP (Direction Generale de la Comptabilite Administrative). Code assigned by the French public accounting office. 146 - FR DGI (Direction Generale des Impots). Code assigned by the French taxation authority. 147 - PJ PROCELO (Japan Information Processing Development Corporation) Electronic Commerce Promotion Council party identification code. 148 - ITU (International Telecommunications Union) Data Network Identification Code (DNIC). 589 - DE BDEW (Bundesverband der Energie- und Wasserwirtschaft e.V.). The Federal Association of Energy and Water (BDEW) is the trade association of the German natural gas, electricity supply, long-distance heating and water supply industries. 581 - EASE (European Association for the Streamlining of Energy Exchange). Partner identification code reserved with EASE gas. 582 - DE DVGW (Deutsche Vereinigung des Gas- und Wasserfaches e.V.) the German Technical and Scientific Association for Gas and Water. 581 - Registration number of a vehicle assigned by a recognized authority. 222 - Mutually agreed between trading partners. 	14
UN89.3	0..1	1/4	Optional. Receiver Address	
UN89	1..1	1..1	Required. Interchange Recipient.	
UN89.1	1..1	1/5	Required. Recipient Identification.	RECEIVER1

Input Element	Occurs	Length	Description	Example
			Partner Identification Code Qualifier. Valid values: • 1 - DUNS (Data Universal Numbering System) Partner identification code assigned by Dun & Bradstreet. • 4 - IATA (International Air Transport Association) Partner identification code assigned by the International Air Transport Association. • 5 - INSEE (Institut National de la Statistique et des Etudes Economiques) - SIRET (French national statistics institute, SIRET makes Systeme Informatique de Repertoire des entreprises et de leurs Etablissements). • 6 - UCC Communications ID (Uniform Code Council Communications Identifier) a ten digit code used to uniquely identify physical and logical locations. • 9 - DUNS (Data Universal Numbering System) partner identifier with 4 digit suffix assigned by Dun & Bradstreet. • 12 - Telephone number where a partner identification code corresponds to the partner telephone number. • 14 - GS1 (Global Returnable Asset) Partner identification code assigned by GS1, an international organization of GS1 Member Organizations that manages the GS1 System. • 18 - IAGG (Automotive Industry Action Group) partner identifier code assigned by the Automotive Industry Action Group. • 23 - INSEE (Institut National de la Statistique et des Etudes Economiques) - SIREN (Systeme Informatique de Repertoire des Entreprises et de leurs Etablissements), French national statistics institute. • 30 - ISO 6523 Organization identification. Partner identification code specified in ISO 6523 for the identification of organizations. • 31 - DIN (Deutsches Institut fuer Normung), German standardization institute. • 33 - BFA (Bundesversicherungsanstalt fuer Angestellte), German social security association. • 34 - National Statistical Agency. Partner identification code assigned by a national statistical agency. • 51 - CEIS (General Electric Information Services), Partner identification code assigned by General Electric Information Services. • 52 - IBS (IBM Network Services), Partner identification code assigned by IBM Network Services. • 53 - Bundesverband der Deutschen Baustoffhaendler, German building material trade association. • 55 - Bank identifier code. • 57 - KTRnet (Korea Trade Network Services) partner identifier code. • 58 - UPU (Universal Postal Union) partner identifier code. • 59 - ODTE (Organization for Data Exchange through Tele-Transmission in Europe), European automotive industry project. • 61 - SCAC (Standard Carrier Alpha Code), Directory of standard multimodal carriers and tariff agent codes. The SCAC's are used by transportation companies. • 63 - ECA (Electronic Commerce Australia), Australian association for electronic commerce. • 65 - TELEBOX 400 (Deutsche Telekom), German telecommunications service. • 88 - NHS (National Health Service), United Kingdom National Health Service. • 82 - Statens Teleforlysting, Norwegian telecommunications regulatory authority (NTRA). • 84 - Athens Chamber of Commerce, Greek Chamber of Commerce. • 85 - Swiss Chamber of Commerce. • 86 - United States Council for International Business. • 87 - National Federation of Chambers of Commerce and Industry, Belgium National Federation of Chambers of Commerce and Industry. • 89 - Association of British Chambers of Commerce. • 90 - SITA (Societe Internationale de Telecommunications Aeronautiques). • 91 - Partner identifier assigned by seller or seller's agent. • 92 - Partner identifier assigned by buyer or buyer's agent. • 183 - TW Trade van an EDI VAN service center for customs, transport, and insurance in national and international trade. • 129 - CH SWB (Swiss Clearing Bank Number) Identifier for a Swiss clearing bank as a sender and/or receiver of an electronic message. • 129 - CH SWB (Swiss Business Partner Identification) Identifier code for a corporate or Swiss non-clearing bank as a sender and/or receiver of an electronic message. • 144 - US DoDAAC (Department of Defense Activity Address Code), Code assigned to uniquely identify all military units in the United States Department of Defense. • 145 - FR DCCP (Direction Generale de la Comptabilite Publique), Code assigned by the French public accounting office. • 146 - FR GDI (Direction Generale des Impots), Code assigned by the French taxation authority. • 147 - IF PROCECO (Japan Information Processing Development Corporation) Electronic Commerce Promotion Center party identification code. • 148 - ITU (International Telecommunications Union) Data Network Identification Code (DNIC). • 589 - DE BDEW (Bundesverband der Energie- und Wasserwirtschaft e.V.), The Federal Association of Energy and Water (BDEW) is the trade association of the German natural gas, electricity supply, long distance heating and water supply industries. • 583 - EAEE (European Association for the Streamlining of Energy Exchange), Partner identification code registered with EAEE-e-gas. • 582 - DE DVGW (Deutsche Vereinigung des Gas- und Wasserfaches e.V.) The German Technical and Scientific Association for Gas and Water. • 293 - Registration number of a vehicle assigned by a recognized authority. • ZZZ - Mutually defined between trading partners.	
UNB03.2	0..1	14	Interchange Recipient Internal Identification. Valid values: • 1 - FR DCCP (Direction Generale de la Comptabilite Publique), Code assigned by the French public accounting office. • 146 - FR GDI (Direction Generale des Impots), Code assigned by the French taxation authority. • 147 - IF PROCECO (Japan Information Processing Development Corporation) Electronic Commerce Promotion Center party identification code. • 148 - ITU (International Telecommunications Union) Data Network Identification Code (DNIC). • 589 - DE BDEW (Bundesverband der Energie- und Wasserwirtschaft e.V.), The Federal Association of Energy and Water (BDEW) is the trade association of the German natural gas, electricity supply, long distance heating and water supply industries. • 583 - EAEE (European Association for the Streamlining of Energy Exchange), Partner identification code registered with EAEE-e-gas. • 582 - DE DVGW (Deutsche Vereinigung des Gas- und Wasserfaches e.V.) The German Technical and Scientific Association for Gas and Water. • 293 - Registration number of a vehicle assigned by a recognized authority. • ZZZ - Mutually defined between trading partners.	14
UNB03.3	0..1	14	Interchange Recipient Internal Identification. Valid values: • 1 - FR DCCP (Direction Generale de la Comptabilite Publique), Code assigned by the French public accounting office. • 146 - FR GDI (Direction Generale des Impots), Code assigned by the French taxation authority. • 147 - IF PROCECO (Japan Information Processing Development Corporation) Electronic Commerce Promotion Center party identification code. • 148 - ITU (International Telecommunications Union) Data Network Identification Code (DNIC). • 589 - DE BDEW (Bundesverband der Energie- und Wasserwirtschaft e.V.), The Federal Association of Energy and Water (BDEW) is the trade association of the German natural gas, electricity supply, long distance heating and water supply industries. • 583 - EAEE (European Association for the Streamlining of Energy Exchange), Partner identification code registered with EAEE-e-gas. • 582 - DE DVGW (Deutsche Vereinigung des Gas- und Wasserfaches e.V.) The German Technical and Scientific Association for Gas and Water. • 293 - Registration number of a vehicle assigned by a recognized authority. • ZZZ - Mutually defined between trading partners.	
UNB04.1	1..1	14	Required: Date and Time of Preparation.	
UNB04.2	1..1	06	Required: Date of preparation.	231020
UNB04.3	1..1	04	Required: Time of preparation.	1701
UNB05	0..1	14	Required: Interchange Control Reference.	1701
UNB06	0..1	14	Required: Sender's Reference.	
UNB06.1	0..1	14	Required: Recipient's reference/Password. Valid values: • BB-PASSWORD	
UNB06.2	0..1	02	Required: Recipient's reference/Password qualifier. Valid values: • BB-PASSWORD	
UNB07	0..1	14	Required: Application reference.	
UNB08	0..1	01	Required: Processing priority code.	DLEFOR
UNB09	0..1	01	Required: Acknowledgment request.	1
UNB10	0..1	03	Required: Communication agreement ID.	
UNB11	0..1	02	Required: Four indicator.	1
UNB12	0..1	14	Required: UETR Message Header.	
UNH01	1..1	14	Required: Message Reference Number.	00000101
UNH02	1..1	14	Required: Message Identifier.	
UNH02.1	1..1	06	Required: Message type identifier.	DLEFOR
UNH02.2	1..1	03	Required: Message type version number.	0
UNH02.3	1..1	03	Required: Message type release number.	06A
UNH04	1..1	12	Required: Controlling agency.	DM
UNH05	0..1	06	Required: Association assigned code.	
UNH06	0..1	03	Required: Common access reference.	
UNH07	0..1	01	Required: Status of the Transfer.	
UNH08.1	1..1	08	Required: Sequence message transfer number.	
UNH08.2	0..1	01	Required: First/last sequence message transfer indication.	
UNH09	0..1	01	Required: Sequence of Message.	
UNH10	0..1	01	Required: Document/Message Name.	
UNH11	1..1	03	Required: Document/Message name, coded. 241 - Delivery Schedule	241
UNH12	0..1	03	Required: Not used. Code list qualifier.	
UNH13	0..1	03	Required: Not used. Code list responsible agency, coded.	
UNH14	0..1	03	Required: Not used. Document/Message name.	
UNH15	0..1	03	Required: Document/Message name for Forecast Plan.	273862
UNH16	0..1	03	Required: Message function, coded. Note: If not sent, system defaults to "0". Valid values: • 1 - Cancel order • 4 - Change order • 8 - Status • 9 - Original document, create in target. Note: Could also be CREATE in canonical • 11 - Response • 16 - Proposal	9
UNH17	0..1	03	Required: Not used. Response type, coded.	
UNH18	0..1	03	Required: Date/Time/Period.	
UNH19	1..1	03	Required: Date/Time/Period. Valid values: • 4 - Order date/time • 67 - Scheduled Delivery • 137 - Document Date • 157 or 164 - Start Date (Validity start date. The date from which the new delivery schedule is valid) • 206 - End Date	137
UNH20.1	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	2023004
UNH20.2	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.3	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	102
UNH20.4	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.5	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.6	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.7	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.8	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.9	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.10	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.11	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.12	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.13	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.14	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.15	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.16	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.17	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.18	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.19	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.20	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.21	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.22	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.23	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.24	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.25	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.26	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.27	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.28	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.29	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.30	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.31	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.32	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.33	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.34	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.35	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.36	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.37	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.38	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.39	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.40	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.41	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.42	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.43	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.44	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.45	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.46	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.47	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.48	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.49	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.50	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.51	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.52	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.53	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.54	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.55	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.56	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.57	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.58	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.59	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.60	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.61	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.62	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.63	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.64	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.65	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.66	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.67	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.68	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.69	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.70	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.71	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.72	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.73	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.74	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.75	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.76	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.77	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.78	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.79	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.80	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.81	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.82	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.83	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.84	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.85	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.86	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.87	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.88	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.89	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.90	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.91	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.92	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.93	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.94	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.95	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.96	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.97	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.98	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.99	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.100	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.101	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.102	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.103	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.104	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.105	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.106	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.107	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.108	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.109	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.110	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.111	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.112	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	
UNH20.113	0..1	08	Required: Date. Note: If DTN01.3 is not present, default format is YYYYMMDD.	

Input Element	Occurs	Length	Description	Example
NAD02	0..1		Party Identification Details	
NAD02.1	1..1	0..35	Required: Party ID identification.	0716100198388
NAD02.2	0..1	0..9	Code list qualifier.	
NAD02.3	1..1	0..3	Required: Code list responsible agency, coded and value: <ul style="list-style-type: none"> • 16 - D.U.N.S. number, Dun and Bradstreet • 01 - Assigned by seller or company identifier. • 02 - Assigned by buyer or company site identifier. • 104 - U.S. Enforcement Agency registration number. 	16
NAD03	0..1		Name and Address	
NAD03.1	1..1	0..35	Required: Name and address line.	
NAD03.2	0..1	0..75	Name and address line	
NAD04	0..1		Party Name	
NAD04.1	1..1	0..35	Required: Party Name.	Kramp Group BV OF
NAD04.2	0..1	0..35	Party Name.	
NAD04.3	0..1	0..35	Party Name.	
NAD05	0..1		Street	
NAD05.1	1..1	0..35	Required: Street and number/p.o. box.	Zone République II
NAD05.2	0..1	0..35	Street and number/p.o. box.	
NAD05.3	0..1	0..35	Street and number/p.o. box.	
NAD06	0..1	0..35	City name.	Poliers Cedex
NAD07	0..1	0..9	Country sub-entity identification.	
NAD08	0..1	0..9	Postcode identification.	B600

Input Element	Occurs	Length	Description	Example
			Country, coded * AF - Afghanistan * AX - Åland Islands * AL - Albania * DZ - Algeria * AS - American Samoa * AD - Andorra * AO - Angola * AI - Anguilla * AQ - Antarctica * AG - Antigua and Barbuda * AR - Argentina * AM - Armenia * AW - Aruba * AU - Australia * AT - Austria * AZ - Azerbaijan * BS - Bahamas * BH - Bahrain * BD - Bangladesh * BB - Barbados * BE - Belgium * BF - Benin * BJ - Benin * BM - Bermuda * BT - Bhutan * BO - Bolivia, Plurinational State of * BA - Bosnia and Herzegovina * BW - Botswana * BV - Bouvet Island * BR - Brazil * IO - British Indian Ocean Territory * BN - Brunei Darussalam * BG - Bulgaria * BF - Burkina Faso * BI - Burundi * KH - Cambodia * CM - Cameroon * CA - Canada * KY - Cayman Islands * CF - Central African Republic * TD - Chad * CL - Chile * CN - China * CX - Christmas Island * CC - Cocos (Keeling) Islands * CO - Colombia * KM - Comoros * CG - Congo * CD - Congo, The Democratic Republic of the * CK - Cook Islands * CR - Costa Rica * CI - Côte d'Ivoire * HR - Croatia * CU - Cuba * CY - Cyprus * CZ - Czech Republic * DK - Denmark * DJ - Djibouti * DM - Dominica * DO - Dominican Republic * EC - Ecuador * EG - Egypt * SV - El Salvador * GB - England * EB - Eritrea * ET - Eritrea * ET - Ethiopia * FK - Falkland Islands (Malvinas) * FO - Faroe Islands * FJ - Fiji * FI - Finland * FR - France * GF - French Guiana * PF - French Polynesia * TF - French Southern Territories * GA - Gabon * GM - Gambia * GE - Georgia * DE - Germany * EG - Ghana * GI - Gibraltar * GR - Greece * GL - Greenland * GD - Grenada * GP - Guadeloupe * GU - Guam * GT - Guatemala * GQ - Guinea-Bissau * GN - Guinea * GW - Guinea-Bissau * GT - Guyana * HT - Haiti * HM - Heard Island and McDonald Islands * HK - Hong Kong * HU - Hungary * IS - Iceland * IN - India * ID - Indonesia * IR - Iran, Islamic Republic of * IQ - Iraq * IE - Ireland * IM - Isle of Man * IL - Israel * IT - Italy * JM - Jamaica * JP - Japan * JE - Jersey * JO - Jordan * KZ - Kazakhstan * KE - Kenya * KI - Kiribati * KP - Korea, Democratic People's Republic of * KR - Korea, Republic of * KW - Kuwait * KG - Kyrgyzstan * LA - Lao People's Democratic Republic * LV - Latvia * LB - Lebanon * LS - Lesotho * LY - Libyan Arab Jamahiriya * LI - Liechtenstein * LT - Lithuania * LU - Luxembourg * MO - Macao * MK - Macedonia, The Former Yugoslav Republic of * MG - Madagascar * MW - Malawi * MV - Maldives * ML - Mali * MT - Malta * MH - Marshall Islands * MQ - Martinique * MR - Mauritania * MU - Mauritius * TT - Mayotte * MX - Mexico * FM - Micronesia, Federated States of * MD - Moldova, Republic of * MC - Monaco * MN - Mongolia * ME - Montenegro * MS - Montserrat * MA - Morocco * MZ - Mozambique * MM - Myanmar * NA - Namibia * NR - Nauru * NP - Nepal * NL - Netherlands * AN - Netherlands Antilles * NC - New Caledonia * NZ - New Zealand * NI - Nicaragua * NE - Niger * NG - Nigeria * NU - Niue * NF - Norfolk Island * NP - Northern Mariana Islands * NO - Norway * OM - Oman * PK - Pakistan * PW - Palau * PS - Palestinian Territory, Occupied * PA - Panama * PG - Papua New Guinea * PY - Paraguay * PE - Peru * PH - Philippines * PN - Pitcairn * PL - Poland * PT - Portugal * PR - Puerto Rico * QA - Qatar * RE - Reunion * RO - Romania * RU - Russian Federation * RW - Rwanda * BL - Saint Barthélemy * SH - Saint Helena, Ascension and Tristan da Cunha * KN - Saint Kitts and Nevis * LC - Saint Lucia * MF - Saint Martin * PM - Saint Pierre and Miquelon * VC - Saint Vincent and the Grenadines * WS - Samoa * SN - San Marino * ST - Sao Tome and Principe * SA - Saudi Arabia * SC - Seychelles * SG - Singapore * SK - Slovakia * SI - Slovenia * SB - Solomon Islands * SO - Somalia * ZA - South Africa * GS - South Georgia and the South Sandwich Islands * ES - Spain * LA - Sri Lanka * SD - Sudan * SR - Suriname * SJ - Svalbard and Jan Mayen * SZ - Swaziland * SE - Sweden * CH - Switzerland * SY - Syrian Arab Republic * TW - Taiwan, Province of China * TJ - Tajikistan * TZ - Tanzania, United Republic of * TH - Thailand * TL - Timor-Leste * TO - Tonga * TK - Tokelau * TD - Tonga * TT - Trinidad and Tobago * TN - Tunisia * TR - Turkey * TM - Turkmenistan * TC - Turks and Caicos Islands * TV - Tuvalu * VG - Virgin Islands, U.S. * UA - Ukraine * AE - United Arab Emirates * GB - United Kingdom * US - United States * UM - United States Minor Outlying Islands * UY - Uruguay * UZ - Uzbekistan * VU - Vanuatu * VE - Venezuela, Bolivarian Republic of * VN - Vietnam * VI - Virgin Islands, British * WF - Wallis and Futuna * EH - Western Sahara * YE - Yemen * ZM - Zambia * ZW - Zimbabwe	

Input Element	Occurs	Length	Description	Example
CTA	0..1	1	CTA Contact Information	
CTAD1	1..1	1/3	Required: Contact function, coded. Valid values: 1 - Responsible Party	RP
CTAD2	0..1	1	Department or Employee Details	
CTAD2.1	0..1	1/17	Department or employee identification	
CTAD2.2	0..1	1/35	Department or employee	Contact Person
COM	0..1	1	COM Communication Contact	
COM1	0..1	1/3	Required: Communication information	
COM1.1	0..1	1/17	Communication Number	50812345678
COM1.2	0..1	1/35	Communication channel qualifier	
COM1.3	0..1	1/3	Required: Communication information	
COM1.4	0..1	1/17	Communication Number	xxx.xxxx@partner.de
COM1.5	0..1	1/35	Communication channel qualifier	
COM1.6	0..1	1/3	Required: Currency details qualifier. Valid values: 1 - Charge Payment Currency 2 - Reference Currency 3 - Target Currency 4 - Transport document currency 5 - Calculation base currency 6 - Information Currency 7 - Currency of the Account	
CUMD2.1	1..1	1/3		2
CEI	1..9999	1	Required: Processing information	
LN	1..9999	1	Required: Line Item - Child of GEI	
LN01	0..1	1/1	Item number	11
LN02	0..1	1/3	Action request/confirmation, coded	
LN03	0..1	1/15	Item Number Identification	BT1210000010
LN03.1	0..1	1/15	Item number type, coded. Valid values: + BC - US National Drug Code-NDC442 with hyphen-separators + BD - US National Drug Code-NDC532 with hyphen-separators + BE - US National Drug Code-NDC541 with hyphen-separators + BF - US National Drug Code-NDC542 with hyphen-separators + BP - Buyer's product identifier + BR - Customer/Buyer's product item number + MF - Manufacturer's product identifier + SK - Stock keeping unit + UP - Universal product number (UPC) + WK or WP - Supplier's catalog number	
LN03.2	0..1	1/3		WN
LN03.3	0..1	1/3	Code list qualifier	
PIA	0..25	1	Additional Product ID	
PIA01	1..1	1/3	Required: Product ID function qualifier. Valid value is 5 - Product Identification	5
PIA02	0..1	1	Required: Item Number Identification	
PIA02.1	0..1	1/15	Item number	ABBD
PIA02.2	0..1	1/3	Item number type, coded. Valid values: + BC - US National Drug Code-NDC442 with hyphen-separators + BD - US National Drug Code-NDC532 with hyphen-separators + BE - US National Drug Code-NDC541 with hyphen-separators + BF - US National Drug Code-NDC542 with hyphen-separators + BP - Buyer's product identifier + BR - Customer/Buyer's product item number + MF - Manufacturer's product identifier + SK - Stock keeping unit + UP - Universal product number (UPC) + WK or WP - Supplier's catalog number	
PIA02.3	0..1	1/3	Code list qualifier	
PIA02.4	0..1	1/3	Code list qualifier	
IMD01	0..1	1/3	Item description	
IMD02	0..1	1/3	Item description type, coded	F
IMD03	0..1	1/3	Item characteristic, coded	
IMD04	0..1	1	Item description	
IMD04.1	0..1	1/17	Item description identification	
IMD04.2	0..1	1/3	Code list qualifier	
IMD04.3	0..1	1/3	Code list responsible agency, coded	
IMD04.4	0..1	1/35	Item description	Product description 1
IMD04.5	0..1	1/35	Item description	
LOC	0..999	1	Place location identification	
LOC01	0..1	1/3	Location function code qualifier	
LOC01.1	0..1	1/3	11 - Placeport of discharge 19 - Plant identifier 199 - Additional internal destination	
LOC02	0..1	1/3	Location identification	
LOC02.1	0..1	1/35	Location identifier	
LOC02.2	0..1	1/3	Code list identification code	
LOC02.3	0..1	1/3	Code list responsible agency code	
LOC02.4	0..1	1/3	Location Name	
REF	0..99	1	Reference. Note: There can only be one plant identifier and it will be in the LOC segment or the REF segment. If both are sent, only one will get picked up.	
REF01	1..1	1	Required: Reference	
REF01.1	1..1	1/3	Required: Reference qualifier. Expected values: PE - Plant Number OR - Order Number	PE
REF01.2	0..1	1/15	Reference number	2738999
REF01.3	0..1	1/3	Item number	
REF01.4	0..1	1/35	Reference version number	
QTY	0..10	1	Required: Quantity	
QTY01	1..1	1/3	Required: Quantity details	
QTY01.1	1..1	1/3	Required: Quantity qualifier. Valid values: + 1 - Discrete + 17 - Onhand, Onhand, Onorder, Order + 21 - Item, Lading + 47 - Invoice + 48 or 78 - Received + 52 - Backorder, Pricing Unit, Purchase Order, Quoted/Ordered + 53 - Minimum order, Net + 57 - Intransit + 64 - Stock, Ship to date + 66 - Committed + 71 - Outstanding, Over + 113 - Delivered + 119 - Short, Stock keeping, Unusable + 124 - Damaged + 131 - Delivery, Gross, Hold + 188 - Minimum make to order, Minimum delivery + 189 - Rejected, Returned Note: If none of the above are sent, 21 is the default.	21
QTY01.2	0..1	1/3	Required: Quantity	6
QTY01.3	0..1	1/3	Measure unit qualifier	EA
DTM	0..10	1	Required: Date/Time/Period	
DTM01	0..1	1	Required: Date/Time/Period qualifier. Valid values: + 2 - Delivery datetime, requested + Order datetime + 18 or 318 - Requested shipment date + 11 - Shipped + Estimated Delivery + 25 - Delivery + 27 - Ship Not Before + 28 - Ship Not Later + 40 - Cancellation datetime + 50 - Goods Receipt + Scheduled Delivery + Manufacture + 137 - Document Date + 133 - Cancellation datetime, latest + 157 or 194 - End Date + 206 - Start Date	
DTM01.1	1..1	1/8	Date	20230304
DTM01.2	0..1	1/3	Date/Time/Period format qualifier	
DTM01.3	0..1	1/8	Valid value	102
DTM01.4	0..1	1/8	162 - YYYYMMDD format 204 - YYYYMMDDHHMMSS	
REF	0..99	1	Reference	
REF01	1..1	1	Required: Reference	
REF01.1	1..1	1/3	Required: Reference qualifier. Expected values: AAK - Dispatch advice number	AAK
REF01.2	0..1	1/17	Reference number	DESNM123
REF01.3	0..1	1/3	Item number	
REF01.4	0..1	1/35	Reference version number	
SCC	0..999	1	Scheduling Conditions	
SCC01	1..1	1	Required: Delivery plan commitment level code: 1 - Firm 2 - Planning/Forecast	
SCC02	0..1	1	Required: Delivery instruction code	
SCC03	0..1	1	Required: Pattern Description	
SCC03.1	0..1	1/4	Frequency code: M - Monthly W - Weekly D - Daily	
QTY	0..999	1	Quantity. Note: QTY Log contains QTY and DTM.	
QTY01	1..1	1/3	Required: Quantity details	
QTY01.1	1..1	1/3	Required: Quantity qualifier. Valid values: 1 - DISCRETE 3 - CUMULATIVE 21 - ITEM (Ordered quantity) 113 - DELIVERED	21
QTY01.2	0..1	1/35	Required: Quantity	
QTY01.3	0..1	1/3	Measure unit qualifier	
DTM	0..9	1	Date	
DTM01	1..1	1	Required: Date/Time/Period	
DTM01.1	1..1	1/3	Required: Date/Time/Period qualifier. Valid values: 2 - Delivery datetime, requested 157 - Start Date 206 - End Date	
DTM01.2	0..1	1/35	Date	

Input Element	Occurs	Length	Description	Example
DTM01	1	13	Date/Time/Period format, qualifier, and value. 001 YYYYMMDD format 004 YYYYMMDD00HHMMSS	
UNT	1..*		Required: UNT Message Trailer (UNT..UNT) Installation	
UNTO1	1..1	1:14	Required: Number of segments in a message, starting with UNT and ending with UNT.	44
UNTO2	1..1	1:14	Required: Message reference number.	1
UNZ	1..1		Required: UNB - UNZ interchange control trailer element. Only one interchange expected per transmission.	
UNZ01	1..1	1:5	Required: Interchange control count.	1
UNZ02	1..1	1:14	Required: Interchange control reference.	1

Example

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UNB+UNOB:1+SENDER1:14:ZZUK+RECEIVER1:1:ZZUK+231020:1701+131+XYZ:AA+DEL
FOR++1++I'
UNH+000000101+DELFOR:D:96A:UN+0001+10:F'
BGM+241:s25:302:s27+2738662+11'
DTM+137:20230304:102'
DTM+4:20240307:102'
DTM+67:20230305150412:204'
DTM+157:20230306160412:204'
DTM+194:20230404'
DTM+206:20230504'
RFF+CT:2738999:1:123'
RFF+BC:2738888:2:321'
RFF+DM:2738777:3:456'
RFF+ON:2738666:4:654'
RFF+RE:2738555:5:789'
RFF+VC:2738444:6:987'
RFF+VN:2738333:7:111'
NAD+BY+8716106198368::16++Kramp Groep BV 07+Zone Republique
I:address2_by+Poitiers Cedex+state_by+860 00+FR'
CTA+RP+:Contact_Buyer'
COM+1234567890:TE'
COM+buyer_em@gmail.com:EM'
NAD+ST+8716106198405::164++Kramp Groep B.V. 07+P.0 Box
248:address2_st+Leek+state_st+9350-AE+NL'
CTA+RP+:Contact_shipto'
COM+2345678901:TE'
COM+shipTo_em@gmail.com:EM'
NAD+SF+8712199999999::91++ShipFromName+ShipFrom
Street:address2_sf+ShipFromCity+state_sf+Postalcode_SF+US'
CTA+RP+:Contact_shipFrom'
COM+3456789012:TE'
COM+shipFrom_em@gmail.com:EM'
NAD+SU+8712199999999::92++Supplier Name+Supplier
Street:address2_su+SuppliCity+state_su+Postalcode_SU+US'
CTA+RP+:Contact_supplier'
COM+4567890123:TE'
COM+supp_em@gmail.com:EM'
GEI+5'
LIN+10++8712100000010:VN'
PIA+5+GF80:BD'
PIA+5+IJ80:BE'

```

PIA+5+KL80:BF '
PIA+5+MN80:BP '
PIA+5+OP80:MF '
PIA+5+QR80:VN '
PIA+5+ST80:VP '
PIA+5+UV80:SK '
PIA+5+WX80:UP '
PIA+5+YZ80:BB '
IMD+F++:::Product description 1 '
IMD+F++:::Product description 2 '
IMD+F++:::Product description 3 '
LOC+11+ABC123:::100 '
LOC+19+TOR2 '
RFF+PE:2738999 '
RFF+ON:2160B '
RFF+PK:2160C '
QTY+21:10:EA '
DTM+2:20230304:102 '
DTM+4:20230307:102 '
RFF+AAK:2160D '
QTY+52:10:PCE '
DTM+11:20230305150412:204 '
DTM+17:20230306160412:204 '
RFF+AAK:2160E '
QTY+48:5:UN '
DTM+35:20230404 '
DTM+37:20230504 '
RFF+AAK:2160F '
QTY+70:5:CT '
DTM+38:20230304:102 '
DTM+46:20230307:102 '
QTY+71:20:CA '
DTM+50:20230305150412:204 '
QTY+73:10:EA '
DTM+10:20230504 '
SCC+1+AA+W '
QTY+1:896:PCE '
DTM+2:20230304:102 '
DTM+157:20230304:102 '
DTM+206:20250304133212:204 '
QTY+3:996:EA '
QTY+21:796:CP '
QTY+113:696:PCE '
SCC+2+BK+W '
QTY+1:806:PCE '
DTM+2:20240304:102 '

DTM+157:20230304:102 '
DTM+206:20250304133212:204 '
QTY+3:906:EA '
QTY+21:706:CP '
QTY+113:606:PCE '
UNT+118+s105 '
UNZ+106+s107 ' '



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