TRACELINK UNIVERSITY

Inventory update request (EDIFACT)

An Inventory Update Request is an electronic transaction that instructs changes to the status, usability, or location of stock within the supply chain. Sent by a supplier or inventory owner to a third-party logistics provider (3PL), it ensures product handling remains aligned with operational needs and regulatory requirements. Inventory Update Request is used to change stock disposition (such as from available to quarantined), direct the movement of goods within or between warehouses, or update handling instructions for specific cargo or handling units. By keeping inventory status and movement instructions synchronized across partners and systems, the Inventory Update Request helps prevent delays, supports cold chain and controlled substance management, and reduces the risk of errors. This real-time visibility enables better planning, quicker response to issues, and smoother coordination between manufacturers, 3PLs, and distributors.

The Inventory Update Request EDIFACT message communicates instruction for status change to cargo goods, handling units or inventory.

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

© TraceLink Inc. 2009 - 2025 All Rights Reserved

- **Message Type**: MPC_INVENTORY_UPDATE_REQUEST
- **EDIFACT Format**: INVENTORYUPDATEREQUEST
- **Transform Names**:
  - B2B_EDIFACT_INVRPT_InventoryUpdateRequest_IB_V1
  - B2B_EDIFACT_INVRPT_InventoryUpdateRequest_OB_V1

Guidelines

Input Element	Occurs	Length	Description	Example
INVRPT	1...1	–	**Required.** EDIFACT Inventory Report: Inventory Update Request.	–
UNA	0...1	–	Optional UNA service envelope segment. Used to inform the interchange receiver that a set of service string characters used are different from the default characters.	UNA:+.?
UNA010	1...1	1/1	**Required.** Component data element separator between component elements within a composite data element (default value: ":")	–
UNA020	1...1	1/1	**Required.** Data element separator that separates two simple or composite data elements (default value: "+")	–
UNA030	1...1	1/1	**Required.** Decimal Mark. Indicate the character used for decimal notation (default value:".")	–
UNA040	1...1	1/1	**Required.** Release character. Restores any service character to its original specification (default value: "?").	–
UNA050	1...1	1/1	**Required.** Repetition separator. Indicates the character used for repetition separation (default value: " * ").	–
UNA060	1...1	1/1	**Required.** Segment terminator. Indicates the end of segment data (default value: " ' ")	–
UNB	1...1	–	**Required.** UNB interchange envelope.	UNB+UNOA+5400102000086:14+055762322:1+251228:1420+2597++INVRPT++1++1'
UNB010	1...1	–	**Required.** Syntax identifier compound element. Identifies the agency controlling the syntax, the syntax level and version number.	–
UNB010-010	1...1	4/4	**Required.** Syntax identifier. Code identifies agency controlling the syntax and character repertoire used in an interchange. **Valid values** • UNOA - UN/ECE Level A • UNOB - UN/ECE Level B • UNOC - UN/ECE Level C • UNOD - UN/ECE Level D • UNOE - UN/ECE Level E • UNOF - UN/ECE Level F • UNOG - UN/ECE Level G • UNOH - UN/ECE Level H • UNOI - UN/ECE Level I • UNOJ - UN/ECE Level J • UNOK - UN/ECE Level K • UNOL - UN/ECE Level L • UNOW - UN/ECE Level W • UNOX - UN/ECE Level X • UNOY - UN/ECE Level Y	UNOA
UNB010-020	1...1	1/1	**Required.** Syntax version number	3
UNB020	1...1	–	**Required.** Interchange sender identification and type compound element	–
UNB020-010	1...1	1/35	**Required.** Sender party identifier	5400102000086

© TraceLink Inc. 2009 - 2025 All Rights Reserved

Input Element	Occurs	Length	Description	Example
UNB020-020	1...1	1/4	**Required.** Sender partner identifier type. Complete EDIFACT code list is supported. **Valid values** • 1 – D-U-N-S number, Dun and Bradstreet • 2 – D-U-N-S + 4r, Dun and Bradstreet number plus suffix • 9 – D-U-N-S + 4r, Dun and Bradstreet number plus suffix • 11 – Drug Enforcement Agency registration number • 21 – Health Industry Number • 91 – Assigned by seller ... company identifier • 92 – Assigned by buyer ... company site identifier • UL – Global Location Number • 12 – Telephone number • 20 – Standard Point Location Code (SPLC) • ZZ – Mutually defined	14
UNB030	1...1	–	**Required.** Interchange receiver identification and type compound element	–
UNB030-010	1...1	1/35	**Required.** Receiver party identifier	055762322
UNB030-020	1...1	1/4	**Required.** Receiver partner identifier type. Complete EDIFACT code list is supported. **Valid values** • 1 – D-U-N-S number, Dun and Bradstreet • 2 – D-U-N-S + 4r, Dun and Bradstreet number plus suffix • 9 – D-U-N-S + 4r, Dun and Bradstreet number plus suffix • 11 – Drug Enforcement Agency registration number • 21 – Health Industry Number • 91 – Assigned by seller ... company identifier • 92 – Assigned by buyer ... company site identifier • UL – Global Location Number • 12 – Telephone number • 20 – Standard Point Location Code (SPLC) • ZZ – Mutually defined	1
UNB040	1...1	–	**Required.** Date and time of preparation.	–
UNB040-010	1...1	6/8	**Required.** Local date when an interchange or a group was prepared in date formats YYMMDD or YYYMMDD	20251228
UNB040-020	1...1	4/4	**Required.** Local time of day when an interchange or a group was prepared in time format HHMM.	1420
UNB050	1...1	1/14	**Required.** Interchange control reference identifier.	2597
UNB060	0...1	–	Recipient's reference password.	–
UNB060-010	0...1	1/14	Recipient's reference or password.	XYZ
UNB060-020	0...1	2/2	Recipient's reference or password qualifier. Valid values: • BB – Password • AA – Reference	REFERENCE
UNB070	0...1	1/14	Identifies the application area assigned by the sender to all messages in the interchange file when all messages in the interchange are the same type. Could be a message type or something else.	INVRPT
UNB080	0...1	1/1	Processing priority code determined by sender requesting processing priority for the interchange. The valid value is A - Highest priority.	A
UNB090	0...1	1/1	Acknowledgment request. Valid values: • 1 - Acknowledgment requested. • 2 - Indicates receipt • Unpopulated - No acknowledgment requested	1
UNB100	0...1	1/35	Interchange agreement identifier. Name or code identifying the type of agreement under which the interchange takes place.	–
UNB110	0...1	1/1	Test indicator. Valid values: • 1 - Test interchange • 2 - Syntax only test • 3 - Echo request • 4 - Echo response • 5 - Service provider test	3
UNG	0...1	–	UNG functional group header for message identifying functionality of a group of UNH messages of the same message type. UNG is optional. Supported if used, but not required. If present inbound to TraceLink, it will be mapped. Its presence can be configured for outbound processing from TraceLink.	UNG+INVRPT+5400102000086:14+055762322:1+20251228:1420+2597+UN+UN+D:96A'
UNG010	0...1	1/6	Message group identifying the single message type for the group of messages within the group.	INVRPT
UNG020	0...1	–	Message sender identifier and type at group level	–
UNG020-010	1...1	1/35	**Required.** Sender partner identifier at group level	5400102000086

© TraceLink Inc. 2009 - 2025 All Rights Reserved

Input Element	Occurs	Length	Description	Example
UNG020-020	1...1	1/4	**Required.** Sender partner identifier type mappiing to EDI envelope party type. Complete EDIFACT code list is supported. **Valid values** • 1 – D-U-N-S number, Dun and Bradstreet • 2 – D-U-N-S + 4r, Dun and Bradstreet number plus suffix • 9 – D-U-N-S + 4r, Dun and Bradstreet number plus suffix • 11 – Drug Enforcement Agency registration number • 21 – Health Industry Number • 91 – Assigned by seller ... company identifier • 92 – Assigned by buyer ... company site identifier • UL – Global Location Number • 12 – Telephone number • 20 – Standard Point Location Code (SPLC) • ZZ – Mutually defined	14
UNG030	0...1	–	Message receiver identifier and type at group level	–
UNG020-010	1...1	1/35	**Required.** Receiver partner identifier at group level	055762322
UNG020-020	1...1	1/4	**Required.** Receiver partner identifier type mappiing to EDI envelope party type. Complete EDIFACT code list is supported. **Valid values** • 1 – D-U-N-S number, Dun and Bradstreet • 2 – D-U-N-S + 4r, Dun and Bradstreet number plus suffix • 9 – D-U-N-S + 4r, Dun and Bradstreet number plus suffix • 11 – Drug Enforcement Agency registration number • 21 – Health Industry Number • 91 – Assigned by seller ... company identifier • 92 – Assigned by buyer ... company site identifier • UL – Global Location Number • 12 – Telephone number • 20 – Standard Point Location Code (SPLC) • ZZ – Mutually defined	1
UNG040	1...1	–	**Required.** Date and time group generated.	1
UNG040-010	1...1	6/8	**Required.** Local date when the functional group was prepared in date formats YYMMDD or YYYMMDD.	20251228
UNG040-020	1...1	4/4	**Required.** Local time of day when an interchange or a group was prepared in time format HHMM.	1420
UNG050	1...1	1/14	**Required.** Group level control reference identifier mapping into fileControlNumber.	2597
UNG60	1...1	1/3	**Required.** Controlling agency code.	UN
UNG070	0...1	–	Message version at group level compound element.	–
UNG070-010	0...1	1/3	Message version number.	D
UNG070-020	0...1	1/3	Message release number.	97A
UNG070-030	0...1	1/6	Association assigned code.	EAN004
UNH	1...*	–	UNH Message header segment identifying message reference, message type, version and controlling agency for message standard.	UNH+000000101+INVRPT:D:97A:UN'
UNH010	1...1	1/14	**Required.** Unique message reference number assigned by the sender.	H12133143
UNH020	1...1	–	**Required.** Message identifier, type and version compound element.	–
UNH020-010	1...1	1/6	**Required.** Message type identifying the transaction. The valid value is INVRPT.	INVRPT
UNH020-020	1...1	1/3	**Required.** Message type version number. The valid value is D - Draft version/UN/EDIFACT Directory.	D
UNH020-030	1...1	'1/3	**Required.** Message type release number within the current message version number.	97A
UNH020-040	1...1	'1/3	**Required.** Controlling agency code.	UN
UNH020-050	0...1	1/6	Association assigned code.	–
BGM	1...1	–	**Required.** Beginning of message. Uniquely identifies the INVRPT report message or message function by name or code.	BGM+78+INV00684+4'
BGM010	1...1	–	**Required.** Document or message name.	–
BGM010-010	1...1	1/3	**Required.** Document name code identifying the message and its purpose. The valid value for inventory update request is 78 - Inventory status advice.	78
BGM010-020	0...1	1/17	Code list qualifier	–
BGM010-030	0...1	1/3	Code list responsible agency, coded	–
BGM010-040	0...1	1/35	Document or message name	INVRPT
BGM020	0...1	–	Document or message identification	–
BGM020-010	0...1	1/70	Document identifier	INV00684

© TraceLink Inc. 2009 - 2025 All Rights Reserved

Input Element	Occurs	Length	Description	Example
BGM030	0...1	1/3	Processing function code for message. **Valid values:** • 1 – Cancel order, if LIN020 - Item added • 2 – Create document or item from message, if LIN020 - 39 • 3 – Delete document or item, if LIN020 - 2 - Item changed. • 4 – Changes to document header, if LIN020 - No particular action is required. • 5 – Replace entire document, if LIN020 - 38 • 6 – Document is a confirmation. • 7 – Duplicate transaction. • 8 – Document or item status. • 9 – Original document, create in target. • 11 – Response message, if LIN020 - Item has not been changed. • 13 – Request message. • 14 – Advanced notification. • 16 – Proposed document or item, if LIN020 - 41 • 37 – Item canceled. • 55 – Information only.	4
FTX	0...99	–	Free text segment for coded or free text information relevant to the message.	–
FTX010	1...1	1/3	**Required.** Text subject code qualifier identifying the subject of the text. Pass thru mapping.	–
FTX020	1...1	1/3	**Required.** Free text function code.	–
FTX040	0...1	–	Text literal complex element. Free text is mapped here.	–
FTX040-010	0...1	1/512	Free text field instance 1.	–
FTX040-020	0...1	1/512	Free text field instance 2.	–
FTX040-030	0...1	1/512	Free text field instance 3.	–
FTX040-040	0...1	1/512	Free text field instance 4.	–
DTM	0...10	–	Dates related to inventory update request.	DTM+137:20230304:102
DTM010	1...1	–	**Required.** Date or time or period.	

© TraceLink Inc. 2009 - 2025 All Rights Reserved

Input Element	Occurs	Length	Description	Example
DTM010-010	1...1	1/3	**Required.** Date or time or period qualifier. **Valid values:** • 2 - Delivery requested by date • 4 - Purchase order date • 7 - Effective date • 9 - Processing date • 10 - Shipment requested by date • 11 - Date shipped • 17 - Estimated delivery date • 35 - Date of delivery document, ASN • 36 - Expiration date • 37 - Not before shipment date • 38 - Not later shipment date • 44 - Product availability date • 46 - Cancel by date • 50 - Date goods receipt posted (received into available inventory) • 67 - Current scheduled delivery date • 74 - Requested delivery date • 90 - Report start date • 91 - Report end date • 97 - Manufacturing date • 132 - Estimated date of arrival • 133 - Estimated date of departure • 137 - Document date • 147 - Export permit effective end date • 149 - Invoice date • 182 - Export permit effective issue date • 186 - Actual date of departure • 194 - Date Start • 206 - End date • 261 - Release date • 310 - Purchase order received date	50
DTM010-020	0...1	1/35	Date in date format defined by DTM010-30.	20251228
DTM010-030	0...1	1/3	Date or time or period format qualifier. Valid values: • 102 - YYYYMMDD format • 203 - CCYYMMDDHHMM format	102
Segment Group 1	0...10	–	Segment loop group 1 with RFF and DTM segments.	–
RFF	0...1	–	RFF reference information for inventory update request.	RFF+DM:12358741
RFF010	1...1	–	**Required.** Reference information complex element.	–

© TraceLink Inc. 2009 - 2025 All Rights Reserved

Input Element	Occurs	Length	Description	Example
RFF010-010	1...1		**Required.** Reference code identifier qualifier. **Valid values:** • BC - Customer contract number • BM - Bill of lading • BT - Batch • CD - Credit advice • CG - Consignee order number • CK - Check number • CM – Credit memo • CN – Carrier reference • CR – Customer reference identifier • CT – Contract number • DI – Distributor invoice number • DM – Document number • IV – Seller's invoice • MB – Master bill of lading • ON – Purchase order number • OR - Order number • PK – Packing list number • PR – Price quote identifier • RE – Release document number • SI – Shipment number • SN – Seal number • TB – Trucker's Bill of Lading • TN – Transaction reference number • VC – Supplier contract number • VN – Supplier order number • AAJ - Delivery • AAM – Tracking number • AAN – Delivery schedule • AFH – Replenishment purchase order number • ALN – Physical inventory recount reference identifier • ALQ – Return authorization transaction identifier type • ANK – Third party reference identifier • AOV – Work order (production order) number • API – Inventory report • ASS – Master account	ON
RFF010-020	1...1	–	**Required.** Document or transaction identifier referenced by qualifier in RFF010-010.	–
RFF010-030	0...1	–	Document line item number.	–
DTM	0...1	–	Dates related to inventory update request.	DTM+137:20230304:102'
DTM010	1...1	–	**Required.** Date or time or period.	–

© TraceLink Inc. 2009 - 2025 All Rights Reserved

Input Element	Occurs	Length	Description	Example
DTM010-010	1...1	1/3	**Required.** Date or time or period qualifier for the document or transaction identified in the RFF reference information segment. **Valid values:** • 2 - Delivery requested by date • 4 - Purchase order date • 7 - Effective date • 9 - Processing date • 10 - Shipment requested by date • 11 - Date shipped • 17 - Estimated delivery date • 35 - Date of delivery document, ASN • 36 - Expiration date • 37 - Not before shipment date • 38 - Not later shipment date • 44 - Product availability date • 46 - Cancel by date • 50 - Date goods receipt posted (received into available inventory) • 67 - Current scheduled delivery date • 74 - Requested delivery date • 90 - Report start date • 91 - Report end date • 97 - Manufacturing date • 132 - Estimated date of arrival • 133 - Estimated date of departure • 137 - Document date • 147 - Export permit effective end date • 149 - Invoice date • 182 - Export permit effective issue date • 186 - Actual date of departure • 194 - Date Start • 206 - End date • 261 - Release date • 310 - Purchase order received date	50
DTM010-020	0...1	1/35	Date.	20251228
DTM010-030	0...1	1/3	Date or time or period format qualifier. Valid values: • 102 – YYYYMMDD format • 203 – CCYYMMDDHHMM format	102
NAD	0...20	–	NAD: Business partner identifier and name segment group loop. Supported party types: • NAD01 = BY (Buyer/Customer party) • NAD01 - SU (Supplier party) • NAD01 - ST (Ship to party) Note: If present, some elements are required.	NAD+BY+8712199999999::9++Acme Pharma Harma+23 Jay Bird St East::Suite 669+Tuscaloosa+AL+35401+US'
NAD010	1...1	1/3	**Required.** Company identifier type for business partner for bill to, supplier or ship to parties. Valid values: • NAD010 - BY (Buyer/Customer party) • NAD01 - SU (Supplier party) • NAD01 - ST (Ship to party)	BY
NAD020	0...1	–	Party Identifier details.	–
NAD020-010	1...1	1/35	**Required.** Party Identifier.	8712199999999
NAD020-020	0...1	1/3	Identification code for party identifier type code list.	

© TraceLink Inc. 2009 - 2025 All Rights Reserved

Input Element	Occurs	Length	Description	Example
NAD020-030	0...1	1/3	Party identifier type. Valid values: • 9 – Global Location Number • 16 – D-U-N-S number, Dun and Bradstreet • 91 – Assigned by seller company identifier • 92 – Assigned by buyer company site identifier • 164 – Drug Enforcement Agency registration number • 182 – Standard Carrier Alpha Code • 237 – Health Industry Number	16
NAD030	0...1	–	Name and address.	–
NAD030-010	1...1	1/35	**Required.** Name and address description.	–
NAD030-020	0...1	1/35	Name and address description.	–
NAD040	0...1	–	Party Name.	–
NAD040-010	1...1	1/35	**Required.** Party name.	Acme Pharma Harma
NAD040-020	0...1	1/35	Party name.	–
NAD040-030	0...1	1/35	Party name.	–
NAD050	0...1	–	Street.	–
NAD050-010	1...1	1/35	**Required.** Street and number or postal box	23 Jay Bird St East
NAD050-020	0...1	1/35	Street and number or postal box	Suite 669
NAD060	0...1	1/35	City name	Tuscaloosa
NAD070	0...1	–	Country subdivision details	–
NAD070-010	0...1	1/9	Country sub-entity identification	AL
NAD080	0...1	1/17	Postcode identification code	35401
NAD090	0...1	1/3	Country identifier	US
CTA	0...10	–	CTA: Contact Information	CTA+PD+:Contact Person'
CTA010	1...1	1/3	**Required.** Contact function, coded. Valid contact types: • BS - Main contact at customer location • DL - Delivery contact • OC - Contact for questions regarding the order • PM - Product management contact for order • RP - Authorized responsible person • SU - Main contact at supplier location	RP
CTA020	0...1	–	Department or employee details.	–
CTA020-010	0...1	1/17	Department or employee identification.	–
CTA020-020	0...1	1/256	Department or employee.	John Smith
COM	0...5	–	COM: Communication contact. Telephone and email contact info supported.	COM+stx.team@partner.de:EM
COM010	1...3	–	Communication information.	–
COM010-010	1...1	1/512	**Required.** Communication phone number or email address as defined by COM010-020	50812345678
COM010-020	1...1	1/3	**Required.** Communication channel qualifier. Valid values: • TE – Telephone number • EM – Email address	TE
LIN	1...9999999	–	Line Item.	LIN+++8712100000010:VN'
LIN010	0...1	1/6	Line item number.	15
LIN020	0...1	1/3	Processing function code.	1
LIN030	0...1	–	Item Number Identification	–
LIN030-010	0...1	1/35	Product item identifier	8712100000010
LIN030-020	0...1	1/3	Product identifier type identifying the customer lot number. **Valid values:** • BC – Buyer's product identifier • BD – Manufacturer's product identifier. • BE – Supplier's catalog number. • BF – Universal product number (UPC) • BP – Buyer/Customer's product item number • IN – Customer's item number • MF – Manufacturer's product identifier • SK – SKU, Stock Keeping Unit • SRV – GS1 Global Trade Item Number • UP – Universal product number (UPC) • VN – Supplier's catalog number.	VN
LIN030-030	0...1	1/17	Code list qualifier.	–
PIA	0...1	–	PIA customer lot number mapping.	PIA+1+98465AW23:BB
PIA010	1...1	1/3	**Required.** Product id function qualifier. Hard code to 1 additional information.	1
PIA020	1...1	–	**Required.** Item number identification.	–
PIA020-010	0...1	1/35	Customer lot number.	98465AW23

© TraceLink Inc. 2009 - 2025 All Rights Reserved

Input Element	Occurs	Length	Description	Example
PIA020-020	0...1	1/3	Product identifier type identifying the customer lot number. **Valid values:** • BB – Lot number • 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 • IN – Customer's(Buyer's) product item number • MF – Manufacturer's product identifier. • SK – Stock keeping unit • SRV – GS1 Global Trade Item Number • UP – Universal product number (UPC) • VN – Supplier's catalog number.	BB
PIA020-030	0...1	1/17	Code list qualifier. Pass thru value.	–
PIA020-040	0...1	1/3	Code list responsible agency. Pass thru value.	9
IMD	0...10	–	Item Description.	IMD+F++:::Product description 1
IMD010	0...1	1/3	Product item description type. The valid value is F - Free-form (default value, if not populated by IB map).	F
IMD020	0...1	1/3	Item characteristic, coded.	–
IMD020-010	0...1	1/3	Item description identification.	–
IMD020-020	0...1	1/17	Code list identification code.	–
IMD020-030	0...1	1/3	Code list responsible agency code.	–
IMD030	0...1	–	Item description.	–
IMD030-010	0...1	1/17	Item description identification code from an industry code list, if available.	–
IMD030-020	0...1	1/17	Code list identification code identifying a user or association maintained code list, if available.	–
IMD030-030	0...1	1/3	Code list specifying the agency responsible for a code list, if available.	–
IMD030-040	0...1	1/256	Product name as a free-form description.	Headache tabs
IMD030-050	0...1	1/256	Free-form description of a product.	Long description
IMD030-060	0...1	1/3	Language code.	EN
LOC	0...5	–	Place or location identification with details regarding specific place or location of the specified line item.	–
LOC010	1...1	1/3	**Required.** Location function code qualifier. Supported values include: • 14 - Storage location • 19 - Plant identifier	14
LOC020	1...1	–	**Required.** Location identification by code or name.	0058745214
LOC020-010	0...1	1/35	Location identifier.	9842
DTM	0...5	–	Product item details dates. Expiration and manufacturing dates recorded, Java call-out supports all TL date types that map to EDIFACT.	DTM+36:20200311:102
DTM010	1...1	–	**Required.** Date or time or period details.	–

© TraceLink Inc. 2009 - 2025 All Rights Reserved

Input Element	Occurs	Length	Description	Example
DTM010-010	1...1	1/3	**Required.** Date or time or period qualifier. **Valid values:** • 2 - Delivery requested by date • 4 - Purchase order date • 7 - Effective date • 9 - Processing date • 10 - Shipment requested by date • 11 - Date shipped • 17 - Estimated delivery date • 35 - Date of delivery document, ASN • 36 - Expiration date • 37 - Not before shipment date • 38 - Not later shipment date • 44 - Product availability date • 46 - Cancel by date • 50 - Date goods receipt posted (received into available inventory) • 67 - Current scheduled delivery date • 74 - Requested delivery date • 90 - Report start date • 91 - Report end date • 97 - Manufacturing date • 132 - Estimated date of arrival • 133 - Estimated date of departure • 137 - Document date • 147 - Export permit effective end date • 149 - Invoice date • 182 - Export permit effective issue date • 186 - Actual date of departure • 194 - Date Start • 206 - End date • 261 - Release date • 310 - Purchase order received date	36
DTM010-020	0...1	1/35	Date.	20230304
DTM010-030	0...1	1/3	Date or time or period format qualifier. The valid value is 102 - YYYYMMDD format.	102
FTX	0...99	–	Free text segment for coded or free text information relevant to the message.	–
FTX010	1...1	1/3	**Required.** Text subject code qualifier identifying the subject of the text. Pass thrru mapping.	–
FTX020	1...1	1/3	**Required.** Free text function code.	–
FTX040	0...1	–	Text literal complex element. Free text is mapped here.	–
FTX040-010	0...1	1/512	Free text field instance 1.	–
FTX040-020	0...1	1/512	Free text field instance 2.	–
FTX040-030	0...1	1/512	Free text field instance 3.	–
FTX040-040	0...1	1/512	Free text field instance 4.	–
FTX050	0...1	1/3	ISO language name code.	–
Segment Group 10	0...10	–	Segment loop group 10 with line item level RFF and DTM segments.	–
RFF	0...1	–	RFF reference information for inventory update request.	RFF+DM:12358741
RFF010	1...1	–	**Required.** Reference information complex element.	–

© TraceLink Inc. 2009 - 2025 All Rights Reserved

Input Element	Occurs	Length	Description	Example
RFF010-010	1...1	–	**Required.** Reference code identifier qualifier. **Valid values:** • BC - Customer contract number • BM - Bill of lading • BT - Batch • CD - Credit advice • CG - Consignee order number • CK - Check number • CM – Credit memo • CN – Carrier reference • CR – Customer reference identifier • CT – Contract number • DI – Distributor invoice number • DM – Document number • IV – Seller's invoice • MB – Master bill of lading • ON – Purchase order number • OR - Order number • PK – Packing list number • PR – Price quote identifier • RE – Release document number • SI – Shipment number • SN – Seal number • TB – Trucker's Bill of Lading • TN – Transaction reference number • VC – Supplier contract number • VN – Supplier order number • AAJ - Delivery • AAM – Tracking number • AAN – Delivery schedule • AFH – Replenishment purchase order number • ALN – Physical inventory recount reference identifier • ALQ – Return authorization transaction identifier type • ANK – Third party reference identifier • AOV – Work order (production order) number • API – Inventory report • ASS – Master account	OP
RFF010-020	1...1	–	**Required.** Document or transaction identifier referenced by qualifier in RFF010-010.	004528459
RFF010-030	0...1	–	Document line item number.	010
DTM	0...1	–	Dates related to inventory update request at line item level	DTM+137:20230304:102
DTM010	1...1	–	**Required.** Date or time or period.	–

© TraceLink Inc. 2009 - 2025 All Rights Reserved

Input Element		Occurs	Length	Description	Example
	DTM010-010	1...1	1/3	**Required.** Date or time or period qualifier for the document or transaction identified in the RFF reference information segment. **Valid values:** • 2 - Delivery requested by date • 4 - Purchase order date • 7 - Effective date • 9 - Processing date • 10 - Shipment requested by date • 11 - Date shipped • 17 - Estimated delivery date • 35 - Date of delivery document, ASN • 36 - Expiration date • 37 - Not before shipment date • 38 - Not later shipment date • 44 - Product availability date • 46 - Cancel by date • 50 - Date goods receipt posted (received into available inventory) • 67 - Current scheduled delivery date • 74 - Requested delivery date • 90 - Report start date • 91 - Report end date • 97 - Manufacturing date • 132 - Estimated date of arrival • 133 - Estimated date of departure • 137 - Document date • 147 - Export permit effective end date • 149 - Invoice date • 182 - Export permit effective issue date • 186 - Actual date of departure • 194 - Date Start • 206 - End date • 261 - Release date • 310 - Purchase order received date	50
	DTM010-020	0...1	1/35	Date	20251228
	DTM010-030	0...1	1/3	Date or time or period format qualifier. Valid values: • 102 - YYYYMMDD format • 203 - CCYYMMDDHHMM format	102
Segment Group 12		0...10	–	Segment loop group 12 for inventory management related details.. Segment group provides a quantity with inventory management related information and references.	–
INV		0...9999	–	Inventory managed details. Provides parameters for an inventory activity, including direction (addition or subtraction) and reason for an inventory movement.	INV+2+1+1+1
INV010		0...1	1/3	Inventory movement direction code specifying whether an inventory movement is an addition to or a subtraction from inventory. Valid values: • 1 - Movement out of inventory • 2 - Movement into inventory Use to determine if inventory movement is a posting or a reverse posting.	2

© TraceLink Inc. 2009 - 2025 All Rights Reserved

Input Element	Occurs	Length	Description	Example
INV020	0...1	1/3	Code specifying a type of inventory. **Valid values:** • 1 – Unrestricted/accepted product inventory • 2 – Damaged product inventory • 3 – Inventory of product bonded for customs reasons • 4 – Reserved product in inventory • 5 – Inventory in quality inspection or waiting for inspection • 6 – Inventory of products that are complete and ready for sale • 7 – Maintenance, repair, and operations (MRO). Inventory of items used for manufacture of products that are NOT part of producing a finished product. • 8 – Packing materials. Inventory of any goods used for packing or protecting goods in storage, or during shipping. • 9 – Inventory of raw materials used to manufactuire finished goods. • 10 – Inventory of products that are incomplete and not ready for sale. • 11 – Work in process. Inventory of items or components currently in production.	1
INV030	0...1	1/3	Inventory movement reason code specifying the reason for an inventory movement. INV010 is taken into account when determining whether the movement status is driven by an addition to or subtraction from inventory. Valid values: • 1 - GOODSRECEIPT if INV010 - 2 • 1 - GOODSRECEIPTREVERSE if INV010 - 1 • 2 - GOODSISSUEDELIVERY if INVO10 - 2 • 2 - GOODSISSUEDELIVERYREVERSE if INVO10 - 1 • 3 - SCRAPFROMUNRESTRICTED if INVO10 - 2 • 3 - SCRAPFROMUNRESTRICTEDREVERSE if INVO10 - 1 • 4 - The difference between the inventory, as physically counted, and inventory recorded by the system, if INVO10 - 2 • 5 - Transfer posting plant to plant, if INVO10 - 2 • 5 - Reverse transfer posting plant to plant, if INVO10 - 1 • 6 - Inventory recycling. Inventory movement due to recycling of goods, ie, defective goods have been repaired and put back into available inventory, if INVO10 - 2 • 7 - Reversal of previous inventory movement. Issued to cancel a previously processed inventory movement, if INVO10 - 1 • 8 - Goods received damaged, if INVO10 - 1 • 9 - Inventory movement has been issued for commercial reasons, if INVO10 - 2 • 10 - The inventory movement is due to the conversion of goods, if INVO10 - 2 • 11 - The inventory movement records goods taken out of consigned inventory for consumption, if INVO10 - 2	1
INV040	0...1	1/3	Inventory balance method code.	–
QTY	1...9	–	Quantity.	QTY+21:6:EA'
QTY010	1...1	–	**Required.** Quantity details.	5

© TraceLink Inc. 2009 - 2025 All Rights Reserved

Input Element		Occurs	Length	Description	Example
	QTY010-010	1...1	1/3	**Required.** Quantity qualifier **Valid values:** • 1 – Discrete quantity • 3 – Cumulative quantity • 17 – Quantity on hand for sale • 21 - Quantity on order • 21 – Order quantity • 27 – Quantity on hold for quality • 47 – Invoice quantity • 48 - Received quantity • 51 – Transfer quantity/Inventory category transfer • 52 – Packaged quantity • 53 – Minimum quantity per order • 57 – Quantity in transit • 58 – Quantity withdrawn • 60 – Current inventory quantity available for shipment • 61 – Returned quantity • 64 – Quantity of scrap • 66 – Quantity committed • 73 – Outstanding/remaining quantity • 83 – Backordered quantity • 89 – Quantity in inspection • 113 – Quantity delivered • 119 – Total quantity shipped short • 124 – Quantity of damaged goods • 131 – Delivery ASN quantity • 155 – Replenishment quantity • 156 – Inventory movement quantity • 160 – Minimum make to order quantity • 169 – Shipped quantity • 170 – Quantity allocated • 182 – Quantity cancelled • 185 – Total or cumulative rejected quantity • 191 – Inventory movement quantity • 199 – Quantity withdrawn from inventory since the last inventory report • 212 – Total quantity sold • 215 – Total quantity that can't be sold because of its present condition/Unusable quantity. • 216 – Quantity reserved for consumer delivery or pickup that has not yet been withdrawn from inventory. • 217 – Quantity of inventory that was request but is unavailable • 250 – The difference recorded between system and physical inventory. • 257 – Total quantity of goods held in physical inventory • 490 – Component quantity • 501 – Quantity represents an increase or addition • 502 – Quantity represents a decrease or subtraction • OV – Surplus quantity above order or agreement	17
	QTY010-020	1...1	1/35	**Required.** Quantity.	6

© TraceLink Inc. 2009 - 2025 All Rights Reserved

Input Element		Occurs	Length	Description	Example
	QTY010-030	0...1	1/8	Measure unit qualifier. **Valid values:** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • 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 • DQ – Cubic decimeters • 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 • MR – Meter • OZ – Ounce • P1 – Percent • PC – Piece • PF – Pallet • PH – Pack • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • SP – Self Package • ST – Set • SY – Square Yard • SZ – Syringe • T3 – Thousand Pieces • TB – Tube • TH – Thousands • TN – Tonne • TS – Thousands • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • US – Dosage Form • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	EA

© TraceLink Inc. 2009 - 2025 All Rights Reserved

Input Element	Occurs	Length	Description	Example
LOC	0...5	–	Place or location identification with details regarding specific place or location of the specified line item.	–
LOC010	1...1	1/3	**Required.** Location function code qualifier. Supported values include: • 14 = Storage location • 19 = Plant identifier	–
LOC020	1...1		**Required.** Location identification by code or name.	
LOC020-010	0...1	1/35	Location identifier.	20230304
Segment Group 15	0...10	–	Segment loop group 1 with RFF and DTM segments.	–
RFF	0...1	–	RFF reference information for inventory update request	RFF+DM:12358741'
RFF010	1...1	–	**Required.** Reference information complex element	–
RFF010-010	1...1	–	**Required.** Reference code identifier qualifier. **Valid values:** • BC - Customer contract number • BM - Bill of lading • BT - Batch • CD - Credit advice • CG - Consignee order number • CK - Check number • CM – Credit memo • CN – Carrier reference • CR – Customer reference identifier • CT – Contract number • DI – Distributor invoice number • DM – Document number • IV – Seller's invoice • MB – Master bill of lading • ON – Purchase order number • OR - Order number • PK – Packing list number • PR – Price quote identifier • RE – Release document number • SI – Shipment number • SN – Seal number • TB – Trucker's Bill of Lading • TN – Transaction reference number • VC – Supplier contract number • VN – Supplier order number • AAJ - Delivery • AAM – Tracking number • AAN – Delivery schedule • AFH – Replenishment purchase order number • ALN – Physical inventory recount reference identifier • ALQ – Return authorization transaction identifier type • ANK – Third party reference identifier • AOV – Work order (production order) number • API – Inventory report • ASS – Master account	OP
RFF010-020	1...1	–	**Required.** Document or transaction identifier referenced by qualifier in RFF010-010.	004528459
RFF010-030	0...1	–	Document line item number.	010
DTM	0...1	–	Dates related to inventory update request.	DTM+137:20230304:102'
DTM010	1...1	–	Date or time or period.	–

© TraceLink Inc. 2009 - 2025 All Rights Reserved

Input Element	Occurs	Length	Description	Example
DTM010-010	1...1	1/3	**Required.** Date or time or period qualifier for the document or transaction identified in the RFF reference information segment. **Valid values:** • 2 - Delivery requested by date • 4 - Purchase order date • 7 - Effective date • 9 - Processing date • 10 - Shipment requested by date • 11 - Date shipped • 17 - Estimated delivery date • 35 - Date of delivery document, ASN • 36 - Expiration date • 37 - Not before shipment date • 38 - Not later shipment date • 44 - Product availability date • 46 - Cancel by date • 50 - Date goods receipt posted (received into available inventory) • 67 - Current scheduled delivery date • 74 - Requested delivery date • 90 - Report start date • 91 - Report end date • 97 - Manufacturing date • 132 - Estimated date of arrival • 133 - Estimated date of departure • 137 - Document date • 147 - Export permit effective end date • 149 - Invoice date • 182 - Export permit effective issue date • 186 - Actual date of departure • 194 - Date Start • 206 - End date • 261 - Release date • 310 - Purchase order received date	366
DTM010-020	0...1	1/35	Date.	20251228
DTM010-030	0...1	1/3	Date or time or period format qualifier. Valid value: • 102 - YYYYMMDD format • 203 - CCYYMMDDHHMM format	102
UNT	1...1	–	**Required.** UNT Message Trailer(UNH...UNT transaction).	UNT+45+1
UNT010	1...1	1/10	**Required.** Number of segments in a message, starting with UNH and ending with UNT	45
UNT020	1...1	1/14	**Required.** Message reference number.	1
UNE	0...1		UNE Function group trailer (UNG...UNE transaction)	UNG+1+2597
UNE010	1...1	1/10	**Required.** Number of functional group in an interchange.	45
UNE020	1...1	1/14	**Required.** Functional group reference number.	2597
UNZ	1...1	–	**Required.** UNB... UNZ interchange control trailer envelope. Only one interchange expected per transmission.	UNZ+1+3
UNZ010	1...1	1/6	**Required.** Interchange control count.	1
UNZ020	1...1	1/14	**Required.** Interchange control reference.	2597

Example

© TraceLink Inc. 2009 - 2025 All Rights Reserved

```
UNA:+.? '
UNB+UNOM:3+6149430000:14:S01+7777776067344:14:s02+120709:1612+123+s03:
BB+INVRPT+1+1+1+5'
UNG+INVRPT+5400102000086:14+055762322:1+251218:1158+2597+UN+D:97A:EAN0
04'
UNH+1+INVRPT:D:96A:UN:EAN004+s06+5:C'
BGM+78:100:1:INVRPT+INV00684+9+AP'
FTX+ABD+5++Free text field instance 1:F2:F3:F4+ISO'
DTM+137:20120708:102'
DTM+50:20230410020311222:203'
RFF+ON:PURCHASEORDER 333:s07:s08'
DTM+50:202304100102:203'
NAD+BY+0001000285:101:92+s10:s11+SOLD TO PARTY (AG/SP):s12:s13+7956
VICTORY:Suite 2:s14+BASEL+GL+4002+CH'
CTA+SU+s15:Jay Song'
COM+99922233333:TE'
COM+jsong.stx@teamplayer.com:EM'
NAD+SU+0001000286:102:91+s10:s11+SUPPLIER/VENDOR
(LF/SU):s12:s13+Stella Maris:Condado Ave 14:s14+San Juan+PR+00902+US'
CTA+SU+s15:John Smith'
COM+50812345678:TE'
COM+stx.team@partner.de:EM'
NAD+ST+0004000050:100:92+s10:s11+SHIP TO PARTY (WE/SH):s12:s13+Central
101:Local, WST-190. E:s14+Stein+GL+4332+CH'
CTA+PM+s15:John Smith'
COM+50812345678:TE'
COM+stx.team@partner.de:EM'
LIN+10+7+VN-vend-4000000325:VN:130'
PIA+1+VN-CUST3000000333:VN:100'
PIA+1+IN-CUST30444:IN:100'
PIA+1+Lot111:BB:9'
PIA+1+CLot2222:NB:9'
IMD+F+1:2:3+1:100:170:Headache tabs:item description:EN'
LOC+19+123'
LOC+14+555'
DTM+2:20230410020311222:203'
FTX+AAA+5++FreeText:F2:F3:F4+US'
RFF+CR:REF111:001'
DTM+2:202510101123:203'
INV+1+11+8'
QTY+21:400200.2:EA'
LOC+14+Loc111'
LOC+19+Aisle555'
RFF+AAJ:55222:001'
DTM+2:202510101123:203'
UNT+52+1'
```

© TraceLink Inc. 2009 - 2025 All Rights Reserved

UNE+45+2597'
UNZ+1+123'

Review TraceLink's **API: Terms of Use**

Related Content



Forecast plan (IDoc)

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.
View More



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.
View More



Forecast plan response (IDoc)

Forecasting APIs allow companies to exchange data about anticipated product demand and supply availability with downstream supply chain Partners without giving these Partners access to their serialization system of record.
View More

© TraceLink Inc. 2009 - 2025 All Rights Reserved