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Inventory update canonical guidelines

Inventory updates allow suppliers to communicate with their remote or third-party warehouses, 3PLs, or CMOs about changes to the available inventory for specific products. Communicating inventory quantity or status updates allows companies to maintain accurate inventory records, which ensures compliance with government regulations, optimizes warehouse operations, reduces inefficiencies, and prevents stockouts or overstocks. Companies are also able to make informed decisions regarding procurement, production, and inventory management strategies.

Canonical guidelines

Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
data	–	JSon object type/root element.	–	–	–
controlFileHeader	–	Canonical control file header to store data for control segments and envelopes of IDocs, and X12 and EDIFACT EDI messages.	–	–	–
messageBody	–	Payload for canonical forecast plan response message.	–	–	–
canonicalInventoryUpdateHeader	–	Forecast plan response message header.	IDoc header = E1BP2017_GM_HEAD_01	–	–
processingFunctionTypeCode	string	Processing function, transaction set purpose code. Valid values include: • RESPONSE • CREATE • CHANGE • CANCEL • ORIGINAL • REPLACE • STATUS • INFORMATION • PROPOSED	–	W1504	BGM030
messageTypeIdentifierCode	string	Code identifying purpose of EDI message.	–	W1505 = IA inventory	BGM010-010
externalERPUserName	string	External ERP user name if relevant. Used by SAP to post inventory adjustment.	PR_UNAME	Can be mapped to N902 where N901 = JD	–
warehouseIdentifier	string	Warehouse id.	–	–	–
warehouseGroupIdentifier	string	Warehouse group identifier represents a trading group for multiple companies that use the same warehouse-space.	–	–	–
transactionReferenceIdentifierList	array	Transaction references for inventory adjustment at header level that affects the entire message.	–	–	–

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Canonical Element					Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
			b2bTransactionIdentifierType		string	Referenced document type. Valid values: • INVENTORYUPDATE • BOL • DOCUMENT	• b2bTransactionIdentifierType = INVENTORYUPDATE • b2bTransactionIdentifierType = BOL	• b2bTransactionIdentifierType = INVENTORYUPDATE • b2bTransactionIdentifierType = BOL	• b2bTransactionIdentifierType = INVENTORYUPDATE • b2bTransactionIdentifierType = BOL
			b2bTransactionIdentifierValue		string	Document identifier for transaction referenced by b2bTransactionIdentifierType.	• INVENTORYUPDATE mapping REF_DOC_NO • BOL mapping BILL_OF_LADING	• INVENTORYUPDATE mapping W1502 (required) • BOL mapping N902 where N901 = BM	• INVENTORYUPDATE mapping BGM020-010 where BGM010-10 = 78 (inventory movement advice) • BOL mapping RFF010-020 where RFF010-010 = BM
			transactionDate		string	Date transaction created.	–	–	–
			epochTransactionDate		integer	Date transaction created in epoch integer date format. Each string date recorded will have an epoch date format generated by a java exit.	–	–	–
			lineItemNumber		string	Line item number in customer purchase order. Line item level only.	–	–	–
		transactionReferenceInformation			array	Reference information for identifiers that are not related to transaction documents. This group would map to X12 segments REF and N9 and EDIFACT RFF for information other than transaction documents.	–	–	–
			transactionReferenceType		string	Transaction reference type for X12 segments REF and N9 and EDIFACT RFF for general reference data that is not a transaction document identifier. Valid values include: • PRODUCTTYPE - Product type • STATUS - Status • EVENTIDENTIFIER - Event identifier	–	N901 Use Java call-out to enumeration lookup table CL_TransactionReferenceType	–
			transactionReferenceIdentifier		string	Transaction reference identifier value as defined by enumeration in transactionReferenceType. Pass thru X12 mapping.	–	N902	–
			description		string	Identifier or description defined by qualifier code in transactionReferenceIdentifier (REF02).	–	N903	–
			transactionReferenceDate		string	Transaction reference date and time/ if time available/ in date format YYYY-MM-DD or YYYY-MM-DDTHH:MM:SS.nnnZ if time available.	–	N904 & N905	–
			epochTransactionReferenceDate		integer	Transaction reference date and time in EPOCH date time format.	–	–	–
		mpcDates			array	Dates relevant for inventory adjustment header.	–	–	–
			dateType		string	Date type at header level for inventory update. Valid values: • INVENTORYUPDATE • DOCUMENT	• dateType - INVENTORYUPDATE • dateType - DOCUMENT	dateType = INVENTORYUPDATE	• dateType = INVENTORYUPDATE = DTM010-010 = 366 • dateType = DOCUMENT = DTM010-010 = 137
			dateValue		string	Date defined by referenced date type in date format YYYY-MM-DD.	• INVENTORYUPDATE mapping PSTNG_DATE • DOCUMENT mapping DOC_DATE	INVENTORYUPDATE mapping W1501 (required)	DTM010-020
			epochDateValue		integer	Date defined by referenced date type generated in epoch integer date format. Each string date recorded will have an epoch date format generated by a java exit.	–	–	–
			timeZone		string	Time zone for referenced dates.	–	–	–
		customerBusinessInformation			–	Customer party company identifiers and address information.	E1EDKA1 where PARVW = "AG"	N101 = "BT"	NAD010 = "BT"
			businessName		string	Business name for partner or location.	E1EDKA1/NAME1	N102	NAD030-010
			mpcCompanyLocationIdentifierList		array	Identifier list for business party.	–	–	–
				isIdentifierPresentInEvent	boolean	Is identifier present in event boolean.	–	–	–
				companyIdentifierType	string	Company identifier type for business partner.	–	N103	NAD020-030
				companyIdentifierValue	string	Company identifier value for business partner.	–	N104	NAD020-010
				alternateCompanyLocationIdentifierValue	string	Alternate company location identifier value.	–	–	–
			address		–	Party address information.	–	–	–
				address1	string	Main street address.	–	N301	NAD050-010
				address2	string	Supplemental street address.	–	N302	NAD050-020
				city	string	City.	–	N401	NAD060
				district	string	District.	–	–	–
				state	string	State or region code.	–	N402	NAD070-010
				postalCode	string	Postal code.	–	N403	NAD080
				country	string	Country code.	–	N404	NAD090
				telephone	string	Telephone number.	–	–	–
				fax	string	Fax number.	–	–	–
				url	string	Website URL.	–	–	–
				buildingNumber	string	Building number.	–	–	–
				plantNumber	string	Plant number.	–	–	–
				floorNumber	string	Floor number in building.	–	–	–
				lscAddressIdentifier	string	LSC address identifier.	–	–	–
				village	string	Village name.	–	–	–
				houseNumber	string	House number.	–	–	–
				township	string	Township.	–	–	–
				premisesCode	string	Premises code.	–	–	–
			companyLocationContactInformation		–	–	–	Hard code PER01 to "AJ" primary contact	Hard code CTA010 to "RP" responsible person
				contactName	string	Contact name.	–	PER02	CTA020-020
				contactTitle	string	Title of contact.	–	–	–
				contactPhone	string	Contact phone number.	–	PER04 where PER03 = "TE"	COM010-010 where COM010-020 = "TE"

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Canonical Element					Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
				contactEmail	string	Contact email address.	-	PER06 where PER05 = "EM"	COM010-010 where COM010-020 = "EM"
		siteLocationInformation			-	Site location identifiers and address information.	E1EDKA1 where PARVW = "AG"	N101 = "BT"	NAD010 = "BT"
			businessName		string	Business name for partner or location.	E1EDKA1/NAME1	N102	NAD030-010
			additionalBusinessName		string	Additional business name for partner or location.	E1EDKA1/NAME1	N102	NAD030-010
			mpcCompanyLocationIdentifierList		array	Identifier list for business party.	-	-	-
				isIdentifierPresentInEvent	boolean	Is identifier present in event boolean.	-	-	-
				companyIdentifierType	string	Company identifier type for business partner.	-	N103	NAD020-030
				companyIdentifierValue	string	Company identifier value for business partner.	-	N104	NAD020-010
				alternateCompanyLocationIdentifierValue	string	Alternate company location identifier value.	-	-	-
			address		-	Party address information.	-	-	-
				address1	string	Main street address.	-	N301	NAD050-010
				address2	string	Supplemental street address.	-	N302	NAD050-020
				city	string	City.	-	N401	NAD060
				district	string	District.	-	-	-
				state	string	State or region code.	-	N402	NAD070-010
				postalCode	string	Postal code.	-	N403	NAD080
				country	string	Country code.	-	N404	NAD090
				telephone	string	Telephone number.	-	-	-
				fax	string	Fax number.	-	-	-
				url	string	Website URL.	-	-	-
				buildingNumber	string	Building number.	-	-	-
				plantNumber	string	Plant number.	-	-	-
				floorNumber	string	Floor number in building.	-	-	-
				lscAddressIdentifier	string	LSC address identifier.	-	-	-
				village	string	Village name.	-	-	-
				houseNumber	string	House number.	-	-	-
				township	string	Township.	-	-	-
				premisesCode	string	Premises code.	-	-	-
			mpcAdditionalAddressInformation		-	Additional address information.	-	-	-
				externalERPUserName	string	External ERP system user name for user who generated message.	-	N301	NAD050-010
				organizationCode	string	Code for organization responsible for generating the message.	-	N302	NAD050-020
				organizationDescription	string	Description of the organization responsible for generating the message.	-	N401	NAD060
				groupCode	string	Code identifying group responsible for generating the message.	-	-	-
				language	string	Language key for message.	-	N402	NAD070-010
				languageCode	string	ISO language code for message.	-	N403	NAD080
				telephone	string	Additional telephone number.	-	N404	NAD090
				vatRegistrationNumber	string	VAT registration number.	-	-	-
				taxExemptCode	string	Tax exempt code.	-	-	-
				postalArea	string	Postal area.	-	-	-
				emailAddress	string	Email address.	-	-	-
			companyLocationContactInformation		-	-	-	Hard code PER01 to "AJ" primary contact	Hard code CTA010 to "RP" responsible person
				contactName	string	Contact name.	-	PER02	CTA020-020
				contactTitle	string	Title of contact.	-	N/A	N/A
				contactPhone	string	Contact phone number.	-	PER04 where PER03 = "TE"	COM010-010 where COM010-020 = "TE"
				contactEmail	string	Contact email address.	-	PER06 where PER05 = "EM"	COM010-010 where COM010-020 = "EM"
		supplierBusinessInformation			-	Supplier party company identifiers and address information.	-	N101 = "SU"	NAD010 = "SU"
			businessName		string	Business name for partner or location.	-	N102	NAD030-010
			mpcCompanyLocationIdentifierList		array	Identifier list for business party.	-	-	-
				isIdentifierPresentInEvent	boolean	Is identifier present in event boolean.	-	-	-
				companyIdentifierType	string	Company identifier type for business partner.	-	N103	NAD020-030
				companyIdentifierValue	string	Company identifier value for business partner.	-	N104	NAD020-010
				alternateCompanyLocationIdentifierValue	string	Alternate company location identifier value.	-	-	-
			address		-	Party address information.	-	-	-
				address1	string	Main street address.	-	N301	NAD050-010
				address2	string	Supplemental street address.	-	N302	NAD050-020
				city	string	City.	-	N401	NAD060
				district	string	District	-		
				state	string	State or region code	-	N402	NAD070-010
				postalCode	string	Postal code	-	N403	NAD080
				country	string	Country code	-	N404	NAD090
				telephone	string	Telephone number	-	-	-
				fax	string	Fax number	-	-	-
				url	string	Website URL	-	-	-
				buildingNumber	string	Building number	-	-	-
				plantNumber	string	Plant number	-	-	-
				floorNumber	string	Floor number in building	-	-	-
				lscAddressIdentifier	string	LSC address identifier	-	-	-
				village	string	Village name	-	-	-
				houseNumber	string	House number	-	-	-
				township	string	Township	-	-	-
				premisesCode	string	Premises code	-	-	-
			companyLocationContactInformation		-	-	-	Hard code PER01 to "AJ" primary contact	Hard code CTA010 to "RP" responsible person
				contactName	string	Contact name	-	PER02	CTA020-020
				contactTitle	string	Title of contact	-	N/A	N/A
				contactPhone	string	Contact phone number	-	PER04 where PER03 = "TE"	COM010-010 where COM010-020 = "TE"
				contactEmail	string	Contact email address	-	PER06 where PER05 = "EM"	COM010-010 where COM010-020 = "EM"
		shipToLocationInformation			-	Ship to party company identifiers and address information.	-	N101 = "ST"	NAD010 = "ST"
			businessName		string	Business name for partner or location.	-	N102	NAD030-010
			mpcCompanyLocationIdentifierList		array	Identifier list for business party.	-	-	-
				isIdentifierPresentInEvent	boolean	Is identifier present in event boolean.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
companyIdentifierType	string	Company identifier type for business partner.	–	N103	NAD020-030
companyIdentifierValue	string	Company identifier value for business partner.	–	N104	NAD020-010
alternateCompanyLocationIdentifierValue	string	Alternate company location identifier value.	–	–	–
address	–	Party address information.	–	–	–
address1	string	Main street address.	–	N301	NAD050-010
address2	string	Supplemental street address.	–	N302	NAD050-020
city	string	City	–	N401	NAD060
district	string	District	–	N/A	N/A
state	string	State or region code	–	N402	NAD070-010
postalCode	string	Postal code	–	N403	NAD080
country	string	Country code	–	N404	NAD090
telephone	string	Telephone number	–	–	–
fax	string	Fax number	–	–	–
url	string	Website URL	–	–	–
buildingNumber	string	Building number	–	–	–
plantNumber	string	Plant number	–	–	–
floorNumber	string	Floor number in building	–	–	–
lscAddressIdentifier	string	LSC address identifier	–	–	–
village	string	Village name	–	–	–
houseNumber	string	House number	–	–	–
township	string	Township	–	–	–
premisesCode	string	Premises code	–	–	–
companyLocationContactInformation	–	–	–	Hard code PER01 to "AJ" primary contact	Hard code CTA010 to "RP" responsible person
contactName	string	Contact name	–	PER02	CTA020-020
contactTitle	string	Title of contact	–	N/A	N/A
contactPhone	string	Contact phone number	–	PER04 where PER03 = "TE"	COM010-010 where COM010-020 = "TE"
contactEmail	string	Contact email address	–	PER06 where PER05 = "EM"	COM010-010 where COM010-020 = "EM"
freeTextNote	array	Ship to party company identifiers and address information.	IDoc header = E1BP2017_GM_HEAD_01	–	–
textReferenceCode	string	Text reference or subject code. Will map whatever is found.	–	–	–
textFunctionCode	string	Text function code. Will map whatever is found.	–	–	–
language	string	Language of free text.	–	–	–
textFormatCode	string	Format code for free text.	–	–	–
freeText	string	Free test string.	HEADER_TXT	–	–
customFields	array	Name value pairs for mapping pass through elements that will not be processed in TL system but may be passed outbound. Header level.	–	–	–
name	string	Name of mapped field.	–	–	–
value	string	Value in named field.	–	–	–
canonicalInventoryUpdateItemDetails	array	Canonical inventory item details.	IDoc line item loop - E1BP2017_GM_ITEM_CREATE	X12 line item loop = 0900 W19	EDIFACT line item loop = Segment Group 9 LIN
plantIdentifier	string	Customer plant identifier for sales forecast.	PLANT	N902 where N901 = PE	LOC020-010 where LOC01-010 = 19
storageLocation	string	Location in plant where stock is stored.	STGE_LOC	N902 where N901 = WS (Warrehouse Storage Location)	LOC020-010 where LOC01-010 = 14
productCodesIdentifiers	array	Product code identifiers list.			
productCodeType	string	Code to qualify product identifier type: CUSTOMER SUPPLIER.	productCodeType - CUSTOMER	• productCodeType - CUSTOMER = W1905 = BP • productCodeType = SUPPLIER = W1905 = VN	• productCodeType - CUSTOMER = LIN030-020 = BP • productCodeType = SUPPLIER = PIA020-020 = VN
productCodeValue	string	Product code identifier value.	MATERIAL	• CUSTOMER mapping W1906 where W1905 = BP • SUPPLIER mapping W1906 where W1905 = VN	• CUSTOMER mapping LIN030-010 where LIN030-020 = BP • SUPPLIER mapping PIA020-010 where PIA020-020 = VN
productItemInformation	array	Product item descriptions and information.	–	–	–
productLanguageCode	string	Language for product description.	–	–	–
productName	string	Name of product.	ITEM_TEXT	G6901	IMD030-040
genericName	string	Generic name for product.	–	–	–
productDescription	string	Description of the product defined by the current product identifier.	–	–	–
lotNumber	string	Lot or batch identifier (customer).	–	–	–
customerLotNumber	string	Customer lot number.	BATCH	N902 where N901 = LT	PIA020-010 where PIA010 = 1 (hard code) and PIA020-020 = BB
supplierLotNumber	string	Supplier lot or batch identifier. For Merck's custom XML this represents the expected batch or lot number from the released process (work) order.	VENDRBATCH	W1909	
expirationDate	string	Expiration date for lot.	EXPIRYDATE	EXPIRATION mapping G6202 where G6201 = 36	EXPIRATION mapping DTM010-020where DTM010-010 = 36
epochExpirationDate	integer	Expiration date for lot generated in epoch integer date format. Each string date recorded will have an epoch date format generated by a java exit.	–	–	–
manufacturingDate	string	Manufacturing date for lot.	PROD_DATE	MANUFACTURING mapping G6202 where G6201 = BL	MANUFACTURING mapping DTM010-020where DTM010-010 = 94
epochManfacturingDate	integer	Manufacturing date for lot generated in epoch integer date format. Each string date recorded will have an epoch date format generated by a java exit.	–	–	–
customerIdentifier	string	Customer identifier.	CUSTOMER	N104 where N101 = BY (from header)	NAD020-010 where NAD010 = BY (from header)
supplierIdentifier	string	Supplier identifier.	VENDOR	N104 where N101 = SU (from header)	NAD020-010 where NAD010 = SU (from header)
goodsRecipientIdentifier	string	Goods recipient/ship to party location identifier.	GR_RCPT	N104 where N101 = ST (from header or line item)	NAD020-010 where NAD010 = ST (from header or line item)

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
productionMaterialState	string	Material type. Valid values: • `API` - Active pharmaceutical ingredient • `WIP` - Work in process • `COMPONENT` - Component material • `FINISHEDGOODS` • `RAWMATERIAL`	–	–	–
componentIdentifier	string	Component product identifier. Used in custom maps when components are being consumed after production.	–	–	–
itemCategory	string	Groups similar articles together (e.g. product group). It has no effect on functionality, but can be used to link articles for queries or reports if necessary.	–	–	–
itemType	string	Determines the type of articles declared on this order. Item Type links similar articles allowing processes or information for specific groups of articles.	–	–	–
isStoreSensitiveGoods	boolean	This flag indicates, whether the article needs to be stored in an area for sensitive goods. This is considered in the put-away process. Valid values: • `0` - No • `1` - Yes	–	–	–
isTemperatureControlled	boolean	This flag indicates, whether the article needs to be stored in a temperature controlled area. This is considered in the put-away process. Valid values: • `0` - No • `1` - Yes	–	–	–
isCaptureSerialNumbers	boolean	This flag indicates whether an article requires serial number capturing. This flag is considered in the RDT-based outbound processes. Valid values: • `0` - No • `1` - Yes	–	–	–
stockRotationMethod	string	Determines the sequence in which the stock is allocated in outbound processes. Linked to the stockRotationBasis field.	–	–	–
stockRotationBasis	string	Determines the basis, with stockRotationMethod, on which stock will be selected and allocated in an outbound process.	–	–	–
commodityExportTariffCode	string	Export commodity code of the article. Used to derive a customs tariff when the goods are exported.	–	–	–
commodityImportTariffCode	string	Import commodity code of the article. Used to derive a customs tariff when the goods are imported.	–	–	–
recipeCode	string	Free-text optional field. It often appears on shipment documentation	–	–	–
smallNormalFlag	string	This value indicates the type of RDT-workbank-tasks, required for picking/packing. 2 needs to be set if SAP-tasks are to be generated. Valid values: • `NORMAL` - 1 • `SMALL` - 2	–	–	–
serialNumberCountBySKU	number	Number of serial stickers needed per SKU box.	–	–	–
pricingUnitNumerator	string	Specifies how many units of the articles the article value applies to. For Example, if articles are only valued in packs of 10 then the value for 10 articles would be entered in ArticleValue and then value10 would be entered here.	–	–	–
costValueOfStock	string	The cost value of the stock	–	–	–
isQuantityReturnToStock	boolean	Specifies for qty return stock (Y= qty return to stock, N= no qty return to stock). Valid values: • `True` - Y = Quantity return to stock • `False` - N = No quantity return to stock	–	–	–
customerPlantIdentifier	string	Client Plant code (for Recsup).	–	–	–
packagingIdentifier	string	External packaging container identifier for parent container.	–	–	–
carrierTrackingIdentifier	string	Carrier Tracking Number.	–	–	–
containerIdentifier	string	Identifier of the container.	–	–	–
containerType	string	The Type of container.	–	–	–
containerProductCode	string	GTIN of the container.	–	–	–
warehouseManagementSystemInformation	–	–	–	–	–
statusCode	string	Alloga's local WMS status code.	–	–	–
reasonCode	string	Alloga's localWMS reason code.	–	–	–
transactionCode	string	Alloga's local WMS Transaction code.	–	–	–
storageLocation	string	Alloga's local WMS Storage Location Code.	–	–	–
totalItemPriceValue	–	–	–	–	–

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
priceValue	number	Total price value for items ordered in message.	-	-	-
currencyCode	string	Currency code for price value.	-	-	-
additionalProductReferencesFlag	-	Flags that determine if additional product references and dates are mandatory.	-	-	-
productReferenceFlag	string	Determines whether an Article Reference is mandatory when a goods item is created, altered or received. Valid values: • NO - 0 • YES - 1 • INBOUNDONLY - 2 • OUTBOUNDONLY - 3 • ITEMTYPE - 4 (Take from Item Type)	-	-	-
productDateFlag	string	Determines whether Article Date 1 is mandatory when a goods item is created, altered or received. Valid values: • NO - 0 • YES - 1 • INBOUNDONLY - 2 • OUTBOUNDONLY - 3 • ITEMTYPE - 4 (Take from Item Type)	-	-	-
additionalProductReferencesFlag2	-	Flags that determine if additional product references and dates are mandatory.	-	-	-
productReferenceFlag	string	Determines whether an Article Reference is mandatory when a goods item is created, altered or received. Valid values: • NO - 0 • YES - 1 • INBOUNDONLY - 2 • OUTBOUNDONLY - 3 • ITEMTYPE - 4 (Take from Item Type)	-	-	-
productDateFlag	string	Determines whether Article Date 1 is mandatory when a goods item is created, altered or received. Valid values: • NO - 0 • YES - 1 • INBOUNDONLY - 2 • OUTBOUNDONLY - 3 • ITEMTYPE - 4 (Take from Item Type)	-	-	-
additionalProductReferencesFlag3	-	Flags that determine if additional product references and dates are mandatory.	-	-	-
productReferenceFlag	string	Determines whether an Article Reference is mandatory when a goods item is created, altered or received. Valid values: • NO - 0 • YES - 1 • INBOUNDONLY - 2 • OUTBOUNDONLY - 3 • ITEMTYPE - 4 (Take from Item Type)	-	-	-
productDateFlag	string	Determines whether Article Date 1 is mandatory when a goods item is created, altered or received. Valid values: • NO - 0 • YES - 1 • INBOUNDONLY - 2 • OUTBOUNDONLY - 3 • ITEMTYPE - 4 (Take from Item Type)	-	-	-
productItemDetails	-	Details about the product, container, weight, volume, value, quantity, and other key information at a subline level.	-	-	-
itemCode	string	Unique identification of goods item.	-	-	-
consignmentIdentifier	string	Identification of the consignment to which the stock belongs.	-	-	-
productCodeValue	string	Product code value.	-	-	-
caseIdentifier	string	Case identifier number.	-	-	-
masterCaseIdentifier	string	Master case identifier.	-	-	-
packageType	string	Package type used for this PackKey Level, eg, BOX. Appendix includes full list of qualifiers.	-	-	-
conditionStatus	string	Status of the product item.	-	-	-

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Canonical Element					Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
			isBonded		boolean	Specifies whether stock declared on order line is bonded or not. Valid values: • `True` - 1 = Product is bonded • `False` - 0 = Product is not bonded (default)	-	-	-
			isTaxed		boolean	Specifies whether stock declared on order line is taxed or not. Valid values: • `True` - 1 = Product is taxed • `False` - 0 = Product is not taxed (default)	-	-	-
			warehouseIdentifier		string	Warehouse / warehouse complex identifier. Identification of warehousing client that is used throughout the system.	-	-	-
			countryOfOrigin		string	Country from which shipment was shipped.	-	-	-
			actualCaseWeight		-	Actual case weight.	-	-	-
				weightType	string	Type of weight recorded. Valid value is CASE.	-	-	-
				weightValue	string	Weight of the case as the product item details level.	-	-	-
				unitOfMeasure	string	Weight unit of measure in master data for product.	-	-	-
			actualCaseVolume		-	Actual case volume at the product details level.	-	-	-
				volumeType	string	Type of weight recorded. Valid value is CASE.	-	-	-
				volumeValue	number	Volume for item.	-	-	-
				unitOfMeasure	string	Volume unit of measure.	-	-	-
			itemQuantity		-	Quantity of item.	-	-	-
				quantityType	string	Type of quantity recorded. Valid value is ITEM.	-	-	-
				quantityValue	string	Quantity of item.	-	-	-
				unitOfMeasure	string	Unit of measure for quantity.	-	-	-
			totalItemPriceValue		-	Segment recording total value of goods in message.	-	-	-
				priceValue	number	Total price value for items ordered in message.	-	-	-
				currencyCode	string	Currency code for price value.	-	-	-
			packagingDimensions		-	Segment recording total value of goods in message.	-	-	-
				packagingLength	number	Packaging length.	-	-	-
				packagingWidth	number	Packaging width.	-	-	-
				packagingHeight	number	Packaging height.	-	-	-
				unitOfMeasure	string	Volume unit of measure.	-	-	-
		stockTransactionBeforeUpdate			-	Information about the stock before the transaction is executed.	-	-	-
			shippingReceivingPoint		string	Identifier code for the depot or site where the inventory is held, normally the warehouse to which the goods will be received.	-	-	-
			warehouseZone		string	Warehouse zone identifier for the from transaction state. Codes in Appendix: broken link, no codes.	-	-	-
			warehouseLocation		string	Warehouse location for the from transaction state. Codes in Appendix.	-	-	-
			caseIdentifier		string	Case identifier number.	-	-	-
			inventoryStatusUpdateCode		string	Stock status code for the from transaction state. Codes in Appendix. Current inventory status before the update. This will not be used to update inventory.	-	-	-
			isBonded		boolean	Specifies whether stock declared on order line is bonded or not. Valid values: • `0` - No • `1` - Yes	-	-	-
			isTaxed		boolean	Specifies whether stock declared on order line is taxed or not. . Valid values: • `0` - No • `1` - Yes	-	-	-
			additionalProductReferences		-	Additional product references instance 1.	-	-	-
				additionalProductReference	string	Additional product reference or attribute. Pass thru mapping.	-	-	-
				productDate	string	Additional product reference or attribute date value in date format YYYY-MM-DD.	-	-	-
				epochProductDate	long	Additional product reference or attribute date value in epoch date format.	-	-	-
			additionalProductReferences2		-	Additional product references instance 2.	-	-	-
				additionalProductReference	string	Additional product reference or attribute. Pass thru mapping.	-	-	-
				productDate	string	Additional product reference or attribute date value in date format YYYY-MM-DD.	-	-	-
				epochProductDate	long	Additional product reference or attribute date value in epoch date format.	-	-	-
			additionalProductReferences3		-	Additional product references instance 3.	-	-	-
				additionalProductReference	string	Additional product reference or attribute. Pass thru mapping.	-	-	-
				productDate	string	Additional product reference or attribute date value in date format YYYY-MM-DD.	-	-	-
				epochProductDate	long	Additional product reference or attribute date value in epoch date format	-	-	-
		itemQuantity				Quantity of ORDER.	-	-	-
			quantityType		string	Type of quantity recorded. Valid value is ORDER.	-	-	-

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Canonical Element					Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
			quantityValue		string	Quantity of Order.	–	–	–
			unitOfMeasure		string	Unit of measure for quantity.	–	–	–
		actualTareWeight				Actual Tare weight.	–	–	–
			weightType		string	Type of weight recorded. Valid value is TARE.	–	–	–
			weightValue		string	Weight of the shipment as the product item details level.	–	–	–
			unitOfMeasure		string	Weight unit of measure from master data for product.	–	–	–
		inventoryUpdateQuantity			–	Quantity of item scheduled in the forecast.	–	–	–
			quantityValue		number	Quantity of product reported in inventory.	ENTRY_QNT	W1902 If value include - (minus) sign, inventory decreased Else inventory increased	QTY010-020 segment group 12 Need a quantity type in QTY010-010: 501 = qty credited, 502 = qty debited INV010 identifies movement into (1) or out of (2) inventory
			unitOfMeasure		string	Unit or Basis for Measurement Code. Quantity UOM's include: • CA - Case • CP - Crate • CT - Carton • DS - Display • DZ - Dozen • EA - Each • PC - Piece • PF - Pallet • PK - Package • T3 - Thousand Pieces • TH - Thousand • TY - Tray • UN - Unit	ENTRY_UOM	W1903	QTY010-030
			inventoryStatusUpdateCode		string	Code identifying the inventory adjustment or movement type.	MOVE_TYPE	W1901 W1902 (positive or negative amount) W1916	
			inventoryStatusUpdateTransactionType		string	Transaction type or document referenced for inventory adjustment.	MVT_IND	–	–
			inventoryStatusUpdateReasonCode		string	Inventory adjustment reason code.	MOVE_REAS	–	–
			stockTypeIndicator		string	Stock type indicator. Pass thru value for SAP, if populated.	STCK_TYPE	–	–
			specialStockIndicator		string	Stock type indicator. Pass thru value for SAP, if populated.	SPEC_STOCK	–	–
			stockTransactionIdentifier		string	Unique identifier for the inventory update transaction.	–	–	–
			stockTransactionType		–	Two character code to identify the type of transaction, ie, whether a change, increase or decrease. Codes in appendix appear to be incomplete.	–	–	–
			shippingReceivingPoint		string	Identifier code for the depot or site where the inventory is held, normally the warehouse to which the goods will be received.	–	–	–
			warehouseZone		string	Warehouse zone identifier for the from transaction state. Codes in Appendix: broken link, no codes.	–	–	–
			warehouseLocation		string	Warehouse location for the from transaction state. Codes in Appendix.	–	–	–
			caseIdentifier		string	Case identifier number.	–	–	–
			isBonded		boolean	Specifies whether stock declared on order line is bonded or not. Valid values: • 0 - No • 1 - Yes	–	–	–
			isTaxed		boolean	Specifies whether stock declared on order line is taxed or not. . Valid values: • 0 - No • 1 - Yes	–	–	–
			isIncrease		boolean	Whether the transaction added or subtracted inventory levels, null if stock levels remain static. Either a '+' for adding stock or a '-' to subtract stock. Null if there is no change in the qty. • True = + • False = -	–	–	–
			additionalProductReferences		–	Additional product references instance 1.	–	–	–
				additionalProductReference	string	Additional product reference or attribute. Pass thru mapping.	–	–	–
				productDate	string	Additional product reference or attribute date value in date format YYYY-MM-DD.	–	–	–
				epochProductDate	long	Additional product reference or attribute date value in epoch date format.	–	–	–
			additionalProductReferences2		–	Additional product references instance 2.	–	–	–
				additionalProductReference	string	Additional product reference or attribute. Pass thru mapping.	–	–	–
				productDate	string	Additional product reference or attribute date value in date format YYYY-MM-DD.	–	–	–
				epochProductDate	long	Additional product reference or attribute date value in epoch date format.	–	–	–

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
additionalProductReferences3	–	Additional product references instance 3.	–	–	–
additionalProductReference	string	Additional product reference or attribute. Pass thru mapping.	–	–	–
productDate	string	Additional product reference or attribute date value in date format YYYY-MM-DD.	–	–	–
epochProductDate	long	Additional product reference or attribute date value in epoch date format.	–	–	–
transactionReferenceIdentifierList	–	Transaction references for purchase order number used in the custom IDoc segment.	–	–	–
b2bTransactionIdentifierType	string	Referenced document type. Valid value: • PURCHASEORDER • SUPPLIERORDER • RESERVATION • WORKORDER	• b2bTransactionIdentifierType = PURCHASEORDER • b2bTransactionIdentifierType = WORKORDER • b2bTransactionIdentifierType = SUPPLIERORDER • b2bTransactionIdentifierType = RESERVATION	• PURCHASEORDER mapping N901 = PO • WORKORDER mapping N901 = WO • DELIVERY mapping N901 = DO • RESERVATION mapping N901 = RSN	• PURCHASEORDER mapping RFF010-010 = OP • WORKORDER mapping RFF010-010 = AOV • DELIVERY mapping RFF010-010 = AAK (Despatch Advice) • RESERVATION mapping RFF010-010 = AEO
b2bTransactionIdentifierValue	string	Transaction identifier value corresponding to transaction type identified by b2bTransactionIdentifierType.	• PURCHASEORDER mapping PO_ • NUMBER WORKORDER mapping ORDERID • SUPPLIERORDER mapping SALES_ORD • RESERVATION mappiing RESERV_NO	• PURCHASEORDER mapping N902 where N901 = PO • WORKORDER mapping N902 where N901 = WO • DELIVERY mapping N902 where N901 = DO • RESERVATION mapping N902 where N901 = RSN	• PURCHASEORDER mapping RFF020 where RFF010-010 = OP • WORKORDER mapping RFF020 where RFF010-010 = AOV • DELIVERY mapping RFF020 where RFF010-010 = AAK (Despatch Advice) • RESERVATION mapping RFF020 where RFF010-010 = AEO
transactionDate	string	Date transaction created	–	–	–
epochTransactionDate	integer	Date transaction created in epoch integer date format. Each string date recorded will have an epoch date format generated by a java exit.	–	–	–
lineItemNumber	string	Line item number	• PURCHASEORDER mapping PO_ITEM • WORKORDER mapping ORDER_ITNO • SUPPLIERORDER mapping S_ORD_ITEM • RESERVATION mapping RES_ITEM	• PURCHASEORDER mapping N903 where N901 = PO • WORKORDER mapping N903 where N901 = WO • DELIVERY mapping N903 where N901 = DO • RESERVATION mapping N903 where N901 = RSN	• PURCHASEORDER mapping RFF030 where RFF010-010 = OP • WORKORDER mapping RFF030 where RFF010-010 = AOV • DELIVERY mapping RFF030 where RFF010-010 = AAK (Despatch Advice) • RESERVATION mapping RFF030 where RFF010-010 = AEO
transactionReferenceInformation	array	Reference information for identifiers that are not related to transaction documents. This group would map to X12 segments REF and N9 and EDIFACT RFF for information other than transaction documents.	–	N9	–
transactionReferenceType	string	Transaction reference type for X12 segments REF and N9 and EDIFACT RFF for general reference data that is not a transaction document identifier. Valid values include: - • PRODUCTTYPE - Product type • STATUS - Status • EVENTIDENTIFIER - Event identifier	–	N901 Use Java call-out to enumeration lookup table CL_TransactionReferenceType	–
transactionReferenceIdentifier	string	Transaction reference identifier value as defined by enum in transactionReferenceType. Pass thru X12 mapping.	–	N902	–
description	string	Identifier or description defined by qualifier code in transactionReferenceIdentifier (REF02).	–	N903	–
transactionReferenceDate	string	Transaction reference date and time/ if time available/ in date format YYYY-MM-DD or YYYY-MM-DDTHH:MM:SS.nnnZ if time available.	–	N904 & N905	–
epochTransactionReferenceDate	integer	Transaction reference date and time in EPOCH date time format.	–	–	–
mpcDates	array	Dates relevant for inventory adjustment line item.	–	–	–
dateType	string	Date type at header level for inventory update. Valid value is INVENTORYUPDATE.	dateType = INVENTORYUPDATE	dateType = INVENTORYUPDATE	dateType = INVENTORYUPDATE = DTM010-010 = 366
dateValue	string	Date defined by referenced date type in date format YYYY-MM-DD.	INVENTORYUPDATE mapping REF_DATE	INVENTORYUPDATE mapping G6202 where G6201=AB "AB" qualifier describes "Warehouse Inventory Stock"	DTM010-020
epochDateValue	integer	Date defined by referenced date type generated in epoch integer date format. Each string date recorded will have an epoch date format generated by a java exit.	–	–	–
timeZone	string	Time zone for referenced dates	–	–	–
freeTextNote	array	Ship to party company identifiers and address information.	–	–	–
textReferenceCode	string	Text reference or subject code. Will map whatever is found.	–	–	–
textFunctionCode	string	Text function code. Will map whatever is found.	–	–	–
language	string	Language of free text.	–	–	–
textFormatCode	string	Format code for free text.	–	–	–
freeText	string	Free test string.	–	–	–

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Canonical Element				Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
			customFields	array	Name value pairs for mapping pass through elements that will not be processed in TL system but may be passed outbound. Line item level.	–	–	–
			name	string	Name of mapped field.	–	–	–
			value	string	Value in named field.	–	–	–

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