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CSOS validated purchase order canonical guidelines

A Controlled substance ordering system (CSOS) Validated Purchase Order is the official, DEA-approved version of an E222 Purchase order for controlled substances without the digital signature. CSOS validated purchase order confirms the order for Schedule II controlled substances that has passed all required regulatory checks and is legally cleared for fulfillment. Generated by the supplier on behalf of the customer who submitted the E222 PO after successful DEA validation, CSOS Validated PO serves as the trigger for the next steps in the supply chain, such as inventory allocation, shipment preparation, and billing. A validated PO retains all original order details, including the purchase order number, buyer DEA number, item list, quantities, and shipping information, ensuring complete traceability and compliance.

Canonical guidelines

Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
canonicalCSOSValidatedPurchaseOrder	-	Object type/root element.	-	-	-
canonicalControlFileHeader	-	Canonical control file header to store data for control segments of IDocs and TL XML transactions, and EDI envelopes for X12 and EDIFACT.	-	-	-
messageBody	-	Payload for purchase order canonical.	-	-	-
base64DecodedData	string	Attribute to store base64 string decoded from a binary input file, digital signature, etc.	-	-	-
customFields	array	Name value pairs for mapping pass through elements that will not be processed in TL system at different level.	-	-	-
name	string	Name of mapped field.	-	-	-
value	string	Value in named field.	-	-	-
canonicalPurchaseOrderHeader	-	Purchase order business partner lists.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
processingFunctionTypeCode	string	Purpose of purchase order. Tells receiving system function of purchase. Valid values: • CREATE - Create new customer PO in supplier's system • CHANGE - Change existing customer PO in supplier's system • CONFIRM - Purchase Order confirmation/acknowledgement from supplier's system • CANCEL - Cancel purchase order • CORRECTION - Correction to purchase order Use Java call-out table CL_ProcessingFunctionTypeCode.txt.	-	BEG01 • 00 (ORIGINAL) or • 01 (CANCEL) or • 02 (CREATE) 04 (CHANGE) or • 06 (CONFIRM) or • CO (CORRECTION) Use Java call-out table CL_ProcessingFunctionTypeCode.txt	-
purchaseOrderType	string	Purchase order type in ordering party's ERP system. Valid enumerations include: • PURCHASEORDER • CONSIGNMENTORDER • DROPSHIPORDER • SAMPLEORDER • STANDINGORDER Use Java call-out table CL_PurchaseOrderType.	-	BEG02 = Canonical Enumeration: - Details of mappings in enumeration mapping worksheet. Use Java call-out table CL_PurchaseOrderType.	-
isAcknowledgmentRequired	boolean	Purchase order acknowledgment required flag. Valid values: • True - PO Acknowledgment required • False - (Default) No acknowledgment required	-	-	-
transactionReferenceIdentifierList	array	Transaction references for purchase orders and PO change, and PO confirmations at header level.	-	X12 mapping	-
b2bTransactionIdentifierType	string	Referenced document type. Valid values include: • CSOSVALIDATEDPURCHASEORDER (required) • PURCHASEORDER • CONTRACT • DOCUMENT • RELEASE • RUSHORDER • DEAORDER • DEAIDENTIFIER • DEAPREVIOUSIDENTIFIER • DEAREPLACEMENTIDENTIFIER • DEACERTIFICATE Use Java call-out table CL_B2BTransactionIdentifierType.txt	-	• BEG03 maps to CSOSVALIDATEDPURCHASEORDER • BEG04 maps to RELEASE • BEG06 maps to CONTRACT REF01 = • DM (DOCUMENT) or • D1 (DEAORDER) or • DH (DEAIDENTIFIER) or • P2 (DEAPREVIOUSIDENTIFIER) or • QD (DEAREPLACEMENTIDENTIFIER) or • DEA (DEACERTIFICATE) Details in enumeration mapping worksheet . Use Java call-out table CL_B2BTransactionIdentifierType.txt.	-
b2bTransactionIdentifierValue	string	Reference order identifier value	-	-	-
lineItemNumber	string	Line item number in customer purchase order. Line item level only.	-	-	-
transactionDate	date	Transaction date in canonical date format YYYY-MM-DD.	-	BEG05 maps to CSOSVALIDATEDPURCHASEORDER transactionDate	-
epochTransactionDate	date	Transaction date in epoch date format YYYY-MM-DD.	-	-	-
mpcDates	array	Reference dates at header level.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
dateType	string	referenced date type. Valid values include: • CANCELBY • DELIVERYREQUESTED • DOCUMENT • ESTIMATEDDELIVERY • SCHEDULEDDELIVERY • SHIPMENTREQUESTED	-	-	-
dateValue	date	Datetime defined by referenced date type.	-	-	-
timeZone	string	Time zone for referenced dates.	-	-	-
mpcCurrency	array	Currency codes for purchase order.	-	X12 CUR	-
currencyCode	string	Currency code for pricing in price catalog.	-	Map X12 qualifier, no conversion.	-
exchangeRateCurrencyCode	string	Currency code for currency exchange.	-	-	-
exchangeRate	number	Exchange rate for conversion from currencyCode to currencyCodeExchange.	-	-	-
validityDate	date	Validity date for exchange rate.	-	-	-
orderCurrencyExchangeRate	number	Purchase order currency exchange rate between the order currency and the accounting currency.	-	-	-
currencyEntityCode	string	Currency Entity Code.	-	Map X12 qualifier,noconversion.	-
shipToLocationInformation	-	Ship to location party types, identifiers and address information.	-	N101 = ST	-
businessName	string	Business name for ship to party location.	-	N102 where N101=ST	-
additionalBusinessName	string	Additional business name or overflow of business name.	-	-	-
mpcCompanyLocationIdentifierList	array	List of identifiers and identifier types for the business party.	-	-	-
companyIdentifierType	string	Company identifier type for business partner. Valid values include: • 1 - DUNS • 9 - DUNS+4 • 11 - Drug Enforcement Agency registration number • 21 - Health Industry Number • 91 - Company identifier • 92 - Company location identifier • UL - Global Location Number	-	N103 where N101 = RIN103 = Canonical enumerations: • 1 - DUNS • 9 - DUNS4 • 11 - DEA • 21 - HIN • 91 - COMPANYID • 92 - COMPANYSITEID • UL - GLN Convert with full enumeration mapping worksheet	-
companyIdentifierValue	string	Company identifier value for business partner.	-	N104	-
alternateCompanyLocationIdentifierValue	string	Alternate company location identifier value.	-		-
address	-	Manufacturing business party address info.	-		-
address1	string	Main street address.	-	N301	-
address2	string	Supplemental street address.	-	N302	-
city	string	City.	-	N401	-
district	string	District.	-		-
state	string	State or region code.	-	N402	-
postalCode	string	Postal code.	-	N403	-
country	string	Country code.	-	N404	-
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.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
companyLocationContactInformation	-	Contact information for party business or location.	-	Segment PER where PER01 = • OC (Order Contact) or • PM (Product Manager) or • AJ (primary contact)	-
contactType	string	Contact type. Valid values: • PRIMARY • ORDERCONTACT • PRODUCTMANAGER	-	PER01 = • AJ (PRIMARY) or • OC (ORDERCONTACT) or • PM (PRODUCTMANAGER)	-
contactName	string	Contact name.	-	PER02	-
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	PER04 where PER03 = TE or PER06 where PER05 = TE	-
contactEmail	string	Contact email address.	-	PER04 where PER03 = EM or PER06 where PER05 = EM	-
mpcAdditionalAddressInformation	-	Additional address information that is not included in addressTypeDefinition.	-	-	-
externalERPUserName	string	External ERP system user name for user who generated message.	-	-	-
organizationCode	string	Code for organization responsible for generating the message.	-	-	-
organizationDescription	string	Description of the organization responsible for generating the message.	-	-	-
groupCode	string	Code identifying group responsible for generating the message.	-	-	-
language	string	Language key for message.	-	-	-
languageCode	string	ISO language code for message.	-	-	-
referenceIdentifier	string	Partner reference identifier.	-	-	-
manufacturerBusinessInformation	-	Manufacturing business party types, identifiers and address information.	-	-	-
businessName	string	Business name for manufacturing party.	-	-	-
additionalBusinessName	string	Additional business name or overflow of business name.	-	-	-
mpcCompanyLocationIdentifierList	array	List of identifiers and identifier types for the business party.	-	-	-
companyIdentifierType	string	Company identifier type for business partner.	-	-	-
companyIdentifierValue	string	Company identifier value for business partner.	-	-	-
alternateCompanyLocationIdentifierValue	string	Company location UUID for partner.	-	-	-
address	-	Manufacturing business party address info.	-	-	-
address1	string	Main street address.	-	-	-
address2	string	Supplemental street address.	-	-	-
city	string	City.	-	-	-
district	string	District.	-	-	-
state	string	State or region code.	-	-	-
postalCode	string	Postal code.	-	-	-
country	string	Country code.	-	-	-
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	-	Contact information for party business or location.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
contactType	string	Contact type. Valid values: • PRIMARY • ORDERCONTACT • PRODUCTMANAGER	-	-	-
contactName	string	Contact name.	-	-	-
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	-	-
contactEmail	string	Contact email address.	-	-	-
mpcAdditionalAddressInformation	-	Additional address information that is not included in addressTypeDefinition.	-	-	-
externalERPUserName	string	External ERP system user name for user who generated message.	-	-	-
organizationCode	string	Code for organization responsible for generating the message.	-	-	-
organizationDescription	string	Description of the organization responsible for generating the message.	-	-	-
groupCode	string	Code identifying group responsible for generating the message.	-	-	-
language	string	Language key for message.	-	-	-
languageCode	string	ISO language code for message.	-	-	-
referenceIdentifier	string	Partner reference identifier.	-	-	-
supplierBusinessInformation	-	Supplier business party types, identifiers and address information.	-	-	-
businessName	string	Business name for supplier party.	-	N102	-
additionalBusinessName	string	Additional business name or overflow of business name.	-	-	-
mpcCompanyLocationIdentifierList	array	List of identifiers and identifier types for the business party.	-	N101=SU(Supplier) Or VN(Vendor)	-
companyIdentifierType	string	Company identifier type for business partner. Valid values include: • 1 - DUNS • 9 - DUNS+4 • 11 - Drug Enforcement Agency registration number • 21 - Health Industry Number • 91 - Company identifier • 92 - Company location identifier • UL - Global Location Number	-	N103 where N101 = RIN103 = Canonical Enumeration • 1 - DUNS • 9 - DUNS4 • 11 - DEA • 21 - HIN • 91 - COMPANYID • 92 - COMPANYSITEID • UL - GLN Convert with full enumeration mapping worksheet.	-
companyIdentifierValue	string	Company identifier value for business partner.	-	N104	-
alternateCompanyLocationIdentifierValue	string	Company location UUID for partner.	-	-	-
address	-	Manufacturing business party address info.	-	-	-
address1	string	Main street address.	-	N301	-
address2	string	Supplemental street address.	-	N302	-
city	string	City.	-	N401	-
district	string	District.	-	-	-
state	string	State or region code.	-	N402	-
postalCode	string	Postal code.	-	N403	-
country	string	Country code	-	N404	-
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.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
companyLocationContactInformation	-	Contact information for party business or location.	-	Segment PER where PER01 = • OC (Order Contact) or • PM (Product Manager) or • AJ (primary contact)	-
contactType	string	Contact type. Valid values: • PRIMARY • ORDERCONTACT • PRODUCTMANAGER	-	PER01 = • AJ (PRIMARY) or • OC (ORDERCONTACT) or • PM (PRODUCTMANAGER)	-
contactName	string	Contact name.	-	PER02	-
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	PER04 where PER03 = TE or PER06 where PER05 = TE	-
contactEmail	string	Contact email address.	-	PER04 where PER03 = EM or PER06 where PER05 = EM	-
mpcAdditionalAddressInformation	-	Additional address information that is not included in addressTypeDefinition.	-	-	-
externalERPUserName	string	External ERP system user name for user who generated message.	-	-	-
organizationCode	string	Code for organization responsible for generating the message.	-	-	-
organizationDescription	string	Description of the organization responsible for generating the message.	-	-	-
groupCode	string	Code identifying group responsible for generating the message.	-	-	-
language	string	Language key for message.	-	-	-
languageCode	string	ISO language code for message.	-	-	-
referenceIdentifier	string	Partner reference identifier.	-	-	-
customerBusinessInformation	-	Customer business party types, identifiers and address information.	-	N101 = BY (Buyer)	-
businessName	string	Business name for customer or sold to party.	-	N102 wher N101 = BY	-
additionalBusinessName	string	Additional business name or overflow of business name.	-	-	-
mpcCompanyLocationIdentifierList	array	List of identifiers and identifier types for the business party.	-	-	-
companyIdentifierType	string	Company identifier type for business partner. Valid values include: • 1 - DUNS • 9 - DUNS+4 • 11 - Drug Enforcement Agency registration number • 21 - Health Industry Number • 91 - Company identifier • 92 - Company location identifier • UL - Global Location Number	-	N103 where N101 = RIN103 = Canonical enumerations: • 1 - DUNS • 9 - DUNS4 • 11 - DEA • 21 - HIN • 91 - COMPANYID • 92 - COMPANYSITEID • UL - GLN Convert with full enumeration mapping worksheet.	-
companyIdentifierValue	string	Manufacturing business partner name.	-	N104	-
alternateCompanyLocationIdentifierValue	string	Company location UUID for partner.	-	-	-
address	-	Manufacturing business party address info.	-	-	-
address1	string	Main street address.	-	N301	-
address2	string	Supplemental street address.	-	N302	-
city	string	City.	-	N401	-
district	string	District.	-	-	-
state	string	State or region code.	-	N402	-
postalCode	string	Postal code.	-	N403	-
country	string	Country code.	-	N404	-
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.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
lscAddressIdentifier	string	LSC address identifier.	-	-	-
village	string	Village name.	-	-	-
houseNumber	string	House number.	-	-	-
township	string	Township.	-	-	-
premisesCode	string	Premises code.	-	-	-
companyLocationContactInformation	-	Contact information for party business or location.	-	Segment PER where PER01 = • OC (Order Contact) or • PM (Product Manager) or • AJ (primary contact)	-
contactType	string	Contact type. Valid values: • PRIMARY • ORDERCONTACT • PRODUCTMANAGER	-	PER01 = • AJ (PRIMARY) or • OC (ORDERCONTACT) or • PM (PRODUCTMANAGER)	-
contactName	string	Contact name.	--	PER02	-
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	PER04 where PER03 = TE or PER06 where PER05 = TE	-
contactEmail	string	Contact email address.	-	PER04 where PER03 = EM or PER06 where PER05 = EM	-
mpcAdditionalAddressInformation	-	Additional address information that is not included in addressTypeDefinition.	-	-	-
externalERPUserName	string	External ERP system user name for user who generated message.	-	-	-
organizationCode	string	Code for organization responsible for generating the message.	-	-	-
organizationDescription	string	Description of the organization responsible for generating the message.	-	-	-
groupCode	string	Code identifying group responsible for generating the message.	-	-	-
language	string	Language key for message.	-	-	-
languageCode	string	ISO language code for message.	-	-	-
referenceIdentifier	string	Partner reference identifier.	-	-	-
shipFromLocationInformation	-	Ship from location party types, identifiers and address information.	-	N101=SF (Ship From)	-
businessName	string	Business name for ship from party location.	-	N102 where N101 = SF	-
additionalBusinessName	string	Additional business name or overflow of business name.	-	-	-
mpcCompanyLocationIdentifierList	array	List of identifiers and identifier types for the business party.	-	-	-
companyIdentifierType	string	Company identifier type for business partner. Valid values include: • 1 - DUNS • 9 - DUNS+4 • 11 - Drug Enforcement Agency registration number • 21 - Health Industry Number • 91 - Company identifier • 92 - Company location identifier • UL - Global Location Number	-	N103 where N101 = RIN103 = Canonical Enumeration • 1 - DUNS • 9 - DUNS4 • 11 - DEA • 21 - HIN • 91 - COMPANYID • 92 - COMPANYSITEID • UL - GLN Convert with full enumeration mapping worksheet.	-
companyIdentifierValue	string	Manufacturing business partner name.	-	N104	-
alternateCompanyLocationIdentifierValue	string	Company location UUID for partner.	-	-	-
address	-	Manufacturing business party address info.	-	-	-
address1	string	Main street address.	-	N301	-
address2	string	Supplemental street address.	-	N302	-
city	string	City.	-	N401	-
district	string	District.	-	-	-
state	string	State or region code.	-	N402	-
postalCode	string	Postal code.	-	N403	-
country	string	Country code.	-	N404	-
telephone	string	Telephone number.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
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	-	Contact information for party business or location.	-	Segment PER where PER01 = • OC (Order Contact) or • PM (Product Manager) or • AJ (primary contact)	-
contactType	string	Contact type. Valid values: • PRIMARY • ORDERCONTACT • PRODUCTMANAGER	-	PER01 = • AJ (PRIMARY) or • OC (ORDERCONTACT) or • PM (PRODUCTMANAGER)	-
contactName	string	Contact name.	-	PER02	-
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	PER04 where PER03 = TE or PER06 where PER05 = TE	-
contactEmail	string	Contact email address.	-	PER04 where PER03 = EM or PER06 where PER05 = EM	-
mpcAdditionalAddressInformation	-	Additional address information that is not included in addressTypeDefinition.	-	-	-
externalERPUserName	string	External ERP system user name for user who generated message.	-	-	-
organizationCode	string	Code for organization responsible for generating the message.	-	-	-
organizationDescription	string	Description of the organization responsible for generating the message.	-	-	-
groupCode	string	Code identifying group responsible for generating the message.	-	-	-
language	string	Language key for message.	-	-	-
languageCode	string	ISO language code for message.	-	-	-
referenceIdentifier	string	Partner reference identifier.	-	-	-
endCustomerBusinessInformation	-	End customer business party types, identifiers and address information.	-	-	-
businessName	string	Business name for end customer party.	-	-	-
additionalBusinessName	string	Additional business name or overflow of business name.	-	-	-
mpcCompanyLocationIdentifierList	array	List of identifiers and identifier types for the business party.	-	-	-
companyIdentifierType	string	Company identifier type for business partner.	-	-	-
companyIdentifierValue	string	Manufacturing business partner name.	-	-	-
alternateCompanyLocationIdentifierValue	string	Company location UUID for partner.	-	-	-
address	-	Manufacturing business party address info.	-	-	-
address1	string	Main street address.	-	-	-
address2	string	Supplemental street address.	-	-	-
city	string	City.	-	-	-
district	string	District.	-	-	-
state	string	State or region code.	-	-	-
postalCode	string	Postal code.	-	-	-
country	string	Country code.	-	-	-
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.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
township	string	Township.	-	-	-
premisesCode	string	Premises code.	-	-	-
companyLocationContactInformation	-	Contact information for party business or location.	-	-	-
contactType	string	Contact type. Valid values: • PRIMARY • ORDERCONTACT • PRODUCTMANAGER	-	-	-
contactName	string	Contact name.	-	-	-
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	-	-
contactEmail	string	Contact email address.	-	-	-
mpcAdditionalAddressInformation	-	Additional address information that is not included in addressTypeDefinition.	-	-	-
externalERPUserName	string	External ERP system user name for user who generated message.	-	-	-
organizationCode	string	Code for organization responsible for generating the message.	-	-	-
organizationDescription	string	Description of the organization responsible for generating the message.	-	-	-
groupCode	string	Code identifying group responsible for generating the message.	-	-	-
language	string	Language key for message.	-	-	-
languageCode	string	ISO language code for message.	-	-	-
referenceIdentifier	string	Partner reference identifier.	-	-	-
distributorBusinessInformation	-	Distributor business party types, identifiers and address information.	-	-	-
businessName	string	Business name for distributor party.	-	-	-
additionalBusinessName	string	Additional business name or overflow of business name.	-	-	-
mpcCompanyLocationIdentifierList	array	List of identifiers and identifier types for the business party.	-	-	-
companyIdentifierType	string	Company identifier type for business partner.	-	-	-
companyIdentifierValue	string	Manufacturing business partner name.	-	-	-
alternateCompanyLocationIdentifierValue	string	Company location UUID for partner.	-	-	-
address	-	Manufacturing business party address info.	-	-	-
address1	string	Main street address.	-	-	-
address2	string	Supplemental street address.	-	-	-
city	string	City.	-	-	-
district	string	District.	-	-	-
state	string	State or region code.	-	-	-
postalCode	string	Postal code.	-	-	-
country	string	Country code.	-	-	-
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	-	Contact information for party business or location.	-	-	-
contactType	string	Contact type. Valid values: • PRIMARY • ORDERCONTACT • PRODUCTMANAGER	-	-	-
contactName	string	Contact name.	-	-	-
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	-	-
contactEmail	string	Contact email address.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
mpcAdditionalAddressInformation		Additional address information that is not included in addressTypeDefinition.	-	-	-
externalERPUserName	string	External ERP system user name for user who generated message.	-	-	-
organizationCode	string	Code for organization responsible for generating the message.	-	-	-
organizationDescription	string	Description of the organization responsible for generating the message.	-	-	-
groupCode	string	Code identifying group responsible for generating the message.	-	-	-
language	string	Language key for message.	-	-	-
languageCode	string	ISO language code for message.	-	-	-
referenceIdentifier	string	Partner reference identifier.	-	-	-
billToBusinessInformation	-	Bill to business party types, identifiers and address information.	-	N101 = BT (Bill To)	-
businessName	string	Business name for bill to party.	-	N102 where N101 = BT	-
additionalBusinessName	string	Additional business name or overflow of business name.	-	-	-
mpcCompanyLocationIdentifierList	array	List of identifiers and identifier types for the business party.	-	-	-
companyIdentifierType	string	Company identifier type for business partner. Valid values include: • 1 - DUNS • 9 - DUNS+4 • 11 - Drug Enforcement Agency registration number • 21 - Health Industry Number • 91 - Company identifier • 92 - Company location identifier • UL - Global Location Number	-	N103 where N101 = RIN103 = Canonical enumerations: • 1 - DUNS • 9 - DUNS4 • 11 - DEA • 21 - HIN • 91 - COMPANYID • 92 - COMPANYSITEID • UL - GLN Convert with full enumeration mapping worksheet.	-
companyIdentifierValue	string	Manufacturing business partner name	-	N104 where N101=BT	-
alternateCompanyLocationIdentifierValue	string	Company location UUID for partner	-	-	-
address	-	Manufacturing business party address info.	-	-	-
address1	string	Main street address.	-	N301	-
address2	string	Supplemental street address.	-	N302	-
city	string	City.	-	N401	-
district	string	District.	-	-	-
state	string	State or region code.	-	N402	-
postalCode	string	Postal code.	-	N403	-
country	string	Country code.	-	N404	-
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	-	Contact information for party business or location.	-	Segment PER where PER01 = • OC (Order Contact) or • PM (Product Manager) or • AJ (primary contact)	-
contactType	string	Contact type. Valid values: • PRIMARY • ORDERCONTACT • PRODUCTMANAGER	-	PER01 = • AJ (PRIMARY) or • OC (ORDERCONTACT) or • PM (PRODUCTMANAGER)	-
contactName	string	Contact name.	-	PER02	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	PER04 where PER03 = TE or PER06 where PER05 = TE	-
contactEmail	string	Contact email address.	-	PER04 where PER03 = EM or PER06 where PER05 = EM	-
mpcAdditionalAddressInformation	-	Additional address information that is not included in addressTypeDefinition.	-	-	-
externalERPUserName	string	External ERP system user name for user who generated message.	-	-	-
organizationCode	string	Code for organization responsible for generating the message.	-	-	-
organizationDescription	string	Description of the organization responsible for generating the message.	-	-	-
groupCode	string	Code identifying group responsible for generating the message.	-	-	-
language	string	Language key for message.	-	-	-
languageCode	string	ISO language code for message.	-	-	-
referenceIdentifier	string	Partner reference identifier.	-	-	-
remitToBusinessInformation	-	Remit to business party types, identifiers and address information.	-	N101 = RI (Remit to party)	-
businessName	string	Business name for remit to party.	-	N102 where N101 = SN	-
additionalBusinessName	string	Additional business name or overflow of business name.	-	-	-
mpcCompanyLocationIdentifierList	array	List of identifiers and identifier types for the business party.	-	-	-
companyIdentifierType	string	Company identifier type for business partner. Valid values include: • 1 - DUNS • 9 - DUNS+4 • 11 - Drug Enforcement Agency registration number • 21 - Health Industry Number • 91 - Company identifier • 92 - Company location identifier • UL - Global Location Number	-	N103 where N101 = RIN103 = Canonical enumerations: • 1 - DUNS • 9 - DUNS4 • 11 - DEA • 21 - HIN • 91 - COMPANYID • 92 - COMPANYSITEID • UL - GLN Convert with full enumeration mapping worksheet.	-
companyIdentifierValue	string	Manufacturing business partner name.	-	N104 where N101 = SN	-
alternateCompanyLocationIdentifierValue	string	Company location UUID for partner.	-	-	-
address	-	Manufacturing business party address info.	-	-	-
address1	string	Main street address.	-	N301	-
address2	string	Supplemental street address.	-	N302	-
city	string	City.	-	N401	-
district	string	District.	-	-	-
state	string	State or region code.	-	N402	-
postalCode	string	Postal code.	-	N403	-
country	string	Country code.	-	N404	-
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	-	Contact information for party business or location.	-	-	-
contactType	string	Contact type. Valid values: • PRIMARY • ORDERCONTACT • PRODUCTMANAGER	-	-	-
contactName	string	Contact name.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	-	-
contactEmail	string	Contact email address.	-	-	-
mpcAdditionalAddressInformation		Additional address information that is not included in addressTypeDefinition.	-	-	-
externalERPUserName	string	External ERP system user name for user who generated message.	-	-	-
organizationCode	string	Code for organization responsible for generating the message.	-	-	-
organizationDescription	string	Description of the organization responsible for generating the message.	-	-	-
groupCode	string	Code identifying group responsible for generating the message.	-	-	-
language	string	Language key for message.	-	-	-
languageCode	string	ISO language code for message.	-	-	-
referenceIdentifier	string	Partner reference identifier.	-	-	-
remitToBusinessInformation		Remit to business party types, identifiers and address information.	-	N101 = SN (Store Number)	-
businessName	string	Business name for store location.	-	N102 where N101 = SN	-
additionalBusinessName	string	Additional business name or overflow of business name.	-	-	-
mpcCompanyLocationIdentifierList	array	List of identifiers and identifier types for the business party.	-	-	-
companyIdentifierType	string	Company identifier type for business partner. Valid values include: • 1 - DUNS • 9 - DUNS+4 • 11 - Drug Enforcement Agency registration number • 21 - Health Industry Number • 91 - Company identifier • 92 - Company location identifier • UL - Global Location Number	-	N103 where N101 = RIN103 = Canonical enumerations: • 1 - DUNS • 9 - DUNS4 • 11 - DEA • 21 - HIN • 91 - COMPANYID • 92 - COMPANYSITEID • UL - GLN Convert with full enumeration mapping worksheet.	-
companyIdentifierValue	string	Manufacturing business partner name.	-	N104 where N101 = SN	-
alternateCompanyLocationIdentifierValue	string	Company location UUID for partner.	-	-	-
address	-	Manufacturing business party address info.	-	-	-
address1	string	Main street address.	-	N301	-
address2	string	Supplemental street address.	-	N302	-
city	string	City.	-	N401	-
district	string	District.	-	-	-
state	string	State or region code.	-	N402	-
postalCode	string	Postal code.	-	N403	-
country	string	Country code.	-	N404	-
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	-	Contact information for party business or location.	-	Segment PER where PER01 = • OC (Order Contact) or • PM (Product Manager) or • AJ (primary contact)	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
contactType	string	Contact type. Valid values: • PRIMARY • ORDERCONTACT • PRODUCTMANAGER	-	PER01 = • AJ (PRIMARY) or • OC (ORDERCONTACT) or • PM (PRODUCTMANAGER)	-
contactName	string	Contact name.	-	PER02	-
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	PER04 where PER03 = TE or PER06 where PER05 = TE	-
contactEmail	string	Contact email address.	-	PER04 where PER03 = EM or PER06 where PER05 = EM	-
mpcAdditionalAddressInformation		Additional address information that is not included in addressTypeDefinition.	-	-	-
externalERPUserName	string	External ERP system user name for user who generated message.	-	-	-
organizationCode	string	Code for organization responsible for generating the message.	-	-	-
organizationDescription	string	Description of the organization responsible for generating the message.	-	-	-
groupCode	string	Code identifying group responsible for generating the message.	-	-	-
language	string	Language key for message.	-	-	-
languageCode	string	ISO language code for message.	-	-	-
referenceIdentifier	string	Partner reference identifier.	-	-	-
carrierInformation	array	Carrier business party types, identifiers and address information.	-	N101=CA (Carrier)	-
businessName	string	Business name for carrier party.	-	N102 where N101 = CA	-
additionalBusinessName	string	Additional business name or overflow of business name.	-	-	-
mpcCompanyLocationIdentifierList	array	List of identifiers and identifier types for the business party.	-	-	-
companyIdentifierType	string	Company identifier type for business partner. Valid values include: • 1 - DUNS • 9 - DUNS+4 • 11 - Drug Enforcement Agency registration number • 21 - Health Industry Number • 91 - Company identifier • 92 - Company location identifier • UL - Global Location Number	-	N103 where N101 = RIN103 = Canonical enumerations: • 1 - DUNS • 9 - DUNS4 • 11 - DEA • 21 - HIN • 91 - COMPANYID • 92 - COMPANYSITEID • UL - GLN Convert with full enumeration mapping worksheet.	-
companyIdentifierValue	string	Manufacturing business partner name.	-	N104 where N101=CA	-
alternateCompanyLocationIdentifierValue	string	Company location UUID for partner.	-	-	-
address	-	Manufacturing business party address info.	-	-	-
address1	string	Main street address.	-	N301	-
address2	string	Supplemental street address.	-	N302	-
city	string	City.	-	N401	-
district	string	District.	-	-	-
state	string	State or region code	-	N402	-
postalCode	string	Postal code.	-	N403	-
country	string	Country code.	-	N404	-
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.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
companyLocationContactInformation		Contact information for party business or location.	-	Segment PER where PER01 = • OC (Order Contact) or • PM (Product Manager) or • AJ (primary contact)	-
contactType	string	Contact type. Valid values: • PRIMARY • ORDERCONTACT • PRODUCTMANAGER	-	PER01 = • AJ (PRIMARY) or • OC (ORDERCONTACT) or • PM (PRODUCTMANAGER)	-
contactName	string	Contact name.	-	PER02	-
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	PER04 where PER03 = TE or PER06 where PER05 = TE	-
contactEmail	string	Contact email address.	-	PER04 where PER03 = EM or PER06 where PER05 = EM	-
mpcAdditionalAddressInformation		Additional address information that is not included in addressTypeDefinition.	-	-	-
externalERPUserName	string	External ERP system user name for user who generated message.	-	-	-
organizationCode	string	Code for organization responsible for generating the message.	-	-	-
organizationDescription	string	Description of the organization responsible for generating the message.	-	-	-
groupCode	string	Code identifying group responsible for generating the message.	-	-	-
language	string	Language key for message.	-	-	-
languageCode	string	ISO language code for message.	-	-	-
referenceIdentifier	string	Partner reference identifier.	-	-	-
companyLocationContactInformation	array	Contact information for party business or location.	-	Segment PER where PER01 = • OC (Order Contact) or • PM (Product Manager) or • AJ (primary contact)	-
contactType	string	Contact type. Valid values: • PRIMARY • ORDERCONTACT • PRODUCTMANAGER	-	PER01 = • AJ (PRIMARY) or • OC (ORDERCONTACT) or • PM (PRODUCTMANAGER)	-
contactName	string	Contact name.	-	PER02	-
contactTitle	string	Title of contact.	-	N/A	-
contactPhone	string	Contact phone number.	-	PER04 where PER03 = TE or PER06 where PER05 = TE	-
contactEmail	string	Contact email address.	-	PER04 where PER03 = EM or PER06 where PER05 = EM	-
mpcOrganizationList	array	Organization idenfitiers sent from trading partner's ERP system.	-	-	-
organizationType	string	Organization type.	-	-	-
organizationDescription	string	Description of organization unit.	-	-	-
termsOfPayment	array	Terms of payment looping group.	-	Not present in sample X12 data. Use the logic in standard PO map.	-
termsOfPaymentKey	string	Terms of payment.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
termsOfPaymentTypeCode		Code identifying type of payment terms. Valid values include: • BASIC • DEFERRED • ENDOFMONTH • FIXEDDATE • PROXIMO • SPECIALPROXIMO	-	ITD01 = Canonical enumerations: • 01 - BASIC • 02 - ENDOFMONTH • 03 - FIXEDDATE • 04 - DEFERRED • 05 - DISCOUNTNOTAPPLICABLE • 06 - MIXED • 07 - EXTENDED • 09 - PROXIMO • 13 - SELLER • 14 - PREVIOUSLYAGREED • 15 - SPECIALPROXIMO	-
termsOfPaymentDateBasis	string	Code identifying the beginning of the terms period. Valid values: • DELIVERYDATE • EFFECTIVEDATE • INVOICEDATE • INVOICERECEIPTDATE • PURCHASEORDERDATE • SHIPDATE	-	ITD02 = Canonical enumerations: • 1 - SHIPDATE • 2 - DELIVERYDATE • 3 - INVOICEDATE • 5 - INVOICERECEIPTDATE • 7 - EFFECTIVEDATE • 09 - PURCHASEORDERDATE	-
numberOfDays	string	Terms of payment: number of days.	-	ITD07	-
termsOfPaymentPercent	string	Terms of payment: percentage.	-	ITD03	-
invoicePayablePercent	string	Percentage of invoice payable.	-	ITD11	-
paymentDueDate	date	Due date for payment.	-	ITD06 - store in canonical in date format [YYYY-MM-DD]	-
paymentDeferredToDate	date	Date deferred payment or percent of invoice payable is due.	-	ITD09 - store in canonical in date format [YYYY-MM-DD]	-
paymentDeferredDueAmount	number	Deferred amount due for payment.	-	ITD10	-
description	string	Terms of payment description.	-	ITD12	-
discountDueDate	string	Discount due date.	-	ITD04 - store in canonical in date format [YYYY-MM-DD]	-
discountDueNumberOfDays	number	Discount due number of days.	-	ITD05	-
dayOfMonth	string	Day of month.	-	ITD13	-
creditsAndCharges	array	Credits and charges on PO including invoice total, discounts, allowances, promotions, services, and others.	-	Not present in sample X12 data. Using logic from standard PO map.	-
creditChargeKeyType	string	Key identifies credit or charges as discounts or additional charges. Valid values include: • ALLOWANCE • CHARGE • PROMOTION	-	SAC01 = Canonical enumerations: • A - ALLOWANCE • C - CHARGE • N - NONE	-
creditChargeType	string	Code representing type of credit or charge.	-	SAC02 See note for Conversion Table	-
creditChargeAmount	string	Total amount for the payment.	-	SAC05	-
qualifyingAmount	string	Amount qualifying for cash discount, allowance, promotion, service or charge.	-	-	-
creditChargeCurrencyCode	string	Currency code for credit or charge.	-	-	-
creditChargePercentRate	string	Percentage rate for cash discount, allowance, promotion, service or charge.	-	SAC07	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
percentRateBasisTypeCode	string	Code indicating basis that allowance or charge percent is calculated.	-	SAC06 = Canonical enumerations: • 0 - GROSS • 1 - ITEMLIST • 2 - ITEMNET • 3 - DISCOUNTGROSS • 4 - DISCOUNTNET • 5 - BASEUNITPRICE • 6 - BASEPRICE • 7 - BASEPRICELESSDISCOUNT • 8 - NETMONTHLYPASTDUE • 9 - LATEPAYMENT • B - ITEMTOTAL • C - ITEMUNIT • D - TOTAL	-
creditChargeHandlingCode	string	Method of handling for discount or charge. Valid values include: • ADVANCE • CANCELALLOWANCE • COLLECT • CREDITCUSTOMER • GROSSINVOICED • INFORMATION • PREPAID • RESELLERALLOWANCE • VENDORPAID	-	SAC12 - Canonical enumerations: • 01 - BILLBACK • 02 - OFFINVOICE • 04 - CREDITCUSTOMER • 05 - VENDORPAID • 06 - CUSTOMERPAID • 07 - OPTIONAL • 08 - GROSSINVOICED • 09 - VENDORALLOWANCE • 10 - RESELLERALLOWANCE • 11 - VENDORDENIED • 12 - CANCELALLOWANCE • 15 - INFORMATION • 18 - TAXNONPAYABLE • 25 - ADVANCE • CA - CALCULATE • CC - COLLECT • PP - PREPAID	-
description	string	Description of credit or charge.	-	-	-
taxes	array	Tax information and amounts. Header level. Tax amounts reported at header reflect totals for invoice.	-	Not present in sample X12 data. Using logic from standard PO map.	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
taxType	string	Type of tax recorded. List can be extended as required. Valid value: • VAT • HARMONIZEDSALES • FEDERALEXCISE • STATESALES • PROVINCIALSALES • CITYSALES • COUNTYSALES • GOODSANDSERVICES • CUSTOMSDUTY • SURTAX	-	TXI01 = Canonical enumerations: • CS - CITYSALES • CT - COUNTYSALES • CG - CUSTOMSDUTY • FD - FEDERALEXCISE • GS - GOODSANDSERVICES • BE - HARMONIZEDSALES • PG - PROVINCIALSALES • ST - STATESALES • AB - SURTAX • TX - ALLTAXES • VA - VAT	-
country	string	Country for which taxes are recorded.	-	-	-
taxRegistration	string	Tax registration number.	-	-	-
taxJurisdictionCode	string	Tax jurisdiction code.	-	TXI05	-
taxExemptCode	string	Tax exempt code.	-	TXI06	-
taxAmount	string	Total amount of tax in invoice.	-	TXI02	-
taxCurrencyCode	string	Currency for taxes.	-	-	-
taxPercent	string	Tax rate in percent.	-	TXI03	-
taxRate	string	Amount used for calculation of tax.	-	-	-
vatIndicator	string	VAT indicator.	-	-	-
deliveryTerms	array	Terms of delivery, transport or inco terms looping group.	-	-	-
deliveryTermCode	string	Inco term code.	-	FOB04	-
description	string	Description for inco term.	-	FOB03	-
deliveryChargePaymentMethodType	string	Method of payment for delivery.	-	FOB01 - maps X12 Qualifier. No conversion	-
fobTransferLocation	string	Code specifying the type of location at which the risk of loss for the shipment transfers. Valid values: • CITY • PLANT • SHIPPINGDESTINATION • SHIPPINGORIGIN	-	FOB02 = Canonical enumerations: • CI - CITY • DE - SHIPPINGDESTINATION • OR - SHIPPINGORIGIN • PL - PLANT	-
transportationInformation		Transportation information for purchase order	-	-	-
companyIdentifierType	string	Company identifier type for business partner Note: Need to create lookup fille for java exits for companyIdentifierType.	-	-	-
routingSequenceCode	string	Sequence code for routing.	-	-	-
transportMethod	string	Transportation method type code identifying the method or type of transport used for the shipment.		TD504 = Canonical enumeration-Details in enum mapping worksheet Use Java call-out for lookup table CL_TransportMethodType.txt.	-
shipmentOrderStatusCode	string	Shipment order status code.	-	-	-
companyIdentifierValue	string	Company identifier value for business partner.	-	-	-
serviceLevelCode	string	Service level code. Indicates the level of transportation service or the billing service offered by the transportation carrier, including how quickly the order is to be shipped. Valid values (map rules): • OVERNIGHT • NEXTMORNING • PRIMARYNEXTDAY1030AM • SECONDDAY • THIRDDAY • SATURDAYPICKUP	-	TD512 • ON (OVERNIGHT) or • NM (NEXTMORNING) or • PA (PRIMARYNEXTDAY1030AM) or • SE (SECONDDAY) or 3D (THIRDDAY) or • SP (SATURDAYPICKUP) Not present in sample data. Use existing mapping in standard PO.	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
processOrderData	-	Overview of process order data, as required for mapping to extended IDocs provided by customers.	-	-	-
processOrderNumber	string	Process order identifier.	-	-	-
orderType	string	Order type for process order. Pass thru mapping.	-	-	-
plantIdentifier	string	Plant identifier for process order.	-	-	-
itemCode	string	Item code identifier for finished product produced in process order.	-	-	-
itemDescription	string	Description of item produced in process order.	-	-	-
supplierLotNumber	string	Supplier or vendor lot number.	-	-	-
expirationDate	string	Shelf life expiration or best before date for manufactured product in date format YYYYMMDD.	-	-	-
epochExpirationDate	number	Shelf life expiration or best before date for manufactured product in epoch date format.	-	-	-
dateFormat	string	Date format for formatted expiration date. Pass thru mapping.	-	-	-
adjustedExpirationDate	string	Expiration date as formatted by date format attribute.	-	-	-
quantity	number	Total quantity for process order.	-	-	-
unitOfMeasure	string	Unit of measure for total order quantity.	-	-	-
packageSize	string	Packaging size for item in process order.	-	-	-
packagingType	string	Type of packaging for item produced through process order.	-	-	-
countryCode	string	Country code for process order.	-	-	-
strength	string	Product strength.	-	-	-
dosageForm	string	Dosage form.	-	-	-
articleFamilyCode	string	Article family code.	-	-	-
productionVersion	string	Production version.	-	-	-
description	string	Production version description.	-	-	-
isSerialized	boolean	Boolean identifying if serialization is relevant to the item in the process order. Valid values: • `True` - X - serialization is relevant • `False` - Not mapped (default)	-	-	-
sampleQuantity	number	Reference sample quantity	-	-	-
isSamplingApplicable	boolean	Boolean determining if reference sampling is applicable. Valid values: • `True` - X - Reference sampling is applicable • `False` - Not mapped (default)	-	-	-
stabilitySampleQuantity	number	-	-	-	-
isOngoingStablilitySampling	boolean	Boolean determining if ongoing stability sampling is applicable. Valid values: • `True` - X - Ongoing stability sampling is applicable • `False` - Not mapped (default)	-	-	-
mpcDates	array	Basic finish and start dates for process order.	-	-	-
dateType	string	Date type for process order.	-	-	-
dateValue	string	Date value for finish or start of production as defined by dateType in date format YYYYMMDD.	-	-	-
epochDateValue	number	Date value for finish or start of production in Epoch date format.	-	-	-
timeZone	string	Time zone for dates reported.	-	-	-
processOrderComponentList	array	List of components used to produce finished item in process order.	-	-	-
componentIdentifier	string	Component item identifier.	-	-	-
itemDescription	string	Description of component item.	-	-	-
lotNumber	string	Lot of batch number for component item.	-	-	-
quantity	number	Quantity of component item required for process order.	-	-	-
unitOfMeasure	string	Unit of measure for total order quantity.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
shipToLocationInformation	-	Delivery address for sales order or stock transfer order used to generate process order.	-	-	-
businessName	string	Business name for ship to party location.	-	-	-
additionalBusinessName	string	Additional business name or overflow of business name.	-	-	-
mpcCompanyLocationIdentifierList	array	List of identifiers and identifier types for the business party.	-	-	-
companyIdentifierType	string	Company identifier type for business partner.	-	-	-
companyIdentifierValue	string	Manufacturing business partner name.	-	-	-
alternateCompanyLocationIdentifierValue	string	Company location UUID for partner.	-	-	-
address	-	Manufacturing business party address info.	-	-	-
address1	string	Main street address.	-	-	-
address2	string	Supplemental street address.	-	-	-
city	string	City.	-	-	-
district	string	District.	-	-	-
state	string	State or region code.	-	-	-
postalCode	string	Postal code.	-	-	-
country	string	Country code.	-	-	-
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		Contact information for party business or location.	-	-	-
contactType	string	Contact type. Valid values: • PRIMARY • ORDERCONTACT • PRODUCTMANAGER	-	-	-
contactName	string	Contact name.	-	-	-
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	-	-
contactEmail	string	Contact email address.	-	-	-
mpcAdditionalAddressInformation	-	Additional address information that is not included in addressTypeDefinition.	-	-	-
orderType	string	Order type for ship to party in process order. Pass thru mapping.	-	-	-
organizationCode	string	Title of contact.	-	-	-
referenceIdentifier	string	Contact phone number.	-	-	-
languageCode	string	Contact email address.	-	-	-
freeTextNote		Free text, instructions, notes, descriptions and other free text elements.	-	X12	-
textReferenceCode	string	Text reference or subject code. Will map whatever is found.	-	When REF01 = "ZZ" , store X12 qualifier from REF02	-
textFunctionCode	string	Text function code. Will map whatever is found.	-	REF02 = "ZZ" (not mapped but used to indicate a note)	-
language	string	Language of free text.	-	-	-
textFormatCode	string	Format code for free text.	-	-	-
freeFormText	string	Free text array.	-	When REF01 = "ZZ" , store value from REF03 Also mapps from N9/MSG01	-
customFields	array	Name value pairs for mapping pass through elements that will not be processed in TL system at different level.	-	-	-
name	string	Name of mapped field.	-	-	-
value	string	Value in named field.	-	-	-
canonicalPurchaseOrderItemDetails	array	Purchase order product details array.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
lineItemNumber	string	Line item number for ordered product.	-	PO101	-
processingFunctionTypeCode	string	Purpose of purchase order, item level. Element may appear at header or item level or both. Tells receiving system function of purchase. Valid values: • `CREATE` - Create new customer PO in supplier's system • `CHANGE` - Change existing customer PO in supplier's system • `CONFIRM` - Purchase order confirmation/acknowledgement from supplier's system • `CANCEL` - Cancel order item	-	-	-
isAcknowledgmentRequired	boolean	Purchase order acknowledgment required at line item level flag. Valid values: • `True` - PO Acknowledgment required for item • `False` - (Default) No acknowledgment required for item.	-	-	-
maximumPartialDeliveries	string	Maximum number of partial deliveries allowed per item.	-	-	-
materialClass	string	Material class.	-	-	-
itemCategory	string	Item category. Populated in standard Idoc.	-	-	-
netPrice	number	Net price for item.	-	-	-
plantIdentifier	string	Plant identifier.	-	-	-
packingInstructions	string	Packing Instructions.	-	-	-
storageConditions	string	Conditions for storage of materials.	-	-	-
stackabilityLabel	string	Stack lebel of packaged material.	-	-	-
conversionFactorToBaseUnitOfMeasure	number	Conversation factor for base unit of measure.	-	-	-
itemCategory	string	Item category. Populated in standard Idoc.	-	-	-
consumptionPeriod	string	Allow consumption period for ordered product.	-	-	-
superiorItemInHierarchy	string	Parent line item number in an item hierarchy.	-	-	-
productCodesIdentifiers	array	Internal material identifier in the backend/ERP systems for the product. In the delivery this will be the supplier, although the customer and other identifiers may also be present.	-	Product code qualifer followed by identifiers are represented in pairs from PO106 & PO107 through PO124 & PO125.. If qualifier is present, then identifier is required.	-

productCodeType	string	Code to qualify product identifier type.
		Valid values include:
		•
		`CUSTOMER`
		•
		`VENDOR`
		•
		`BUYERITEM`
		•
		`GTIN14`
		•
		`MANUFACTURER`
		•
		`UPC`
			-	PO106 = Canonical Code. Minor differences between versions 4010 and earlier and 5010 and later. See lookup table for details. Use java call-out to lookup table CL_ProductCodeType	-

productCodeValue	string	Product code identifier value.	-	PO107	-
productItemInformation	array	Product item code information. Only using a subset of all available attributes.	-	-	-
productLanguageCode	string	Language code for product description.	-	-	-
productName	string	Name of product.	-	PID05, where PID = "F"	-
genericName	string	Generic name for product.	-	-	-
productDescription	string	Description of the product defined by the current product identifier.	-	PID05 where PID01 = "F"	-
longDescription	string	Long description for product.	-	-	-
itemQuantity	array	Order quantity at line item level.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
quantityType	string	Type of quantity recorded. Values hard coded in map by field context. Valid values include: • ITEM • INNERCONTAINERS • PACKAGED	-	quantity Types used in Purchase order, hard code, not converted: • ITEM • INNERCONTAINERS • PACKAGED	-
quantityValue	number	Quantity of product at PO line item.	-	PO102	-
unitOfMeasure	string	Unit of measure for quantity value.	-	PO103 Use Java call-out to lookup table UOM_TableLookup2.txt	-
itemVolume	array	Volume of the ordered product at the line item level.	-	-	-
volumeType	string	Type of volume recorded for ordered product. Valid values include: • ALLOWED • ALLOWEDPACKAGING • LOADING • TARE • TOTAL • TOTALPACKAGING	-	-	-
volumeValue	number	Volume of the ordered product at the line item level.	-	-	-
unitOfMeasure	string	Unit of measure for quantity value.	-	-	-
destinationLocationQuantity	array	Records quantity invoiced by location details. Typically used to report invoiced quantity at multiple locations. For example, Walmart or CVS may report quantity for the invoiced item at multiple store locations. Corresponds to X12 SDQ segment.	-	-	-
regulatoryLocationIdentifierType	string	Identifier type for quantity destination location.	-	-	-
regulatoryIdentifierValue	string	Regulatory identifier for location.	-	-	-
locationQuantityValue	number	This quantity is the sum of all quantity per location and per line.	-	-	-
unitOfMeasure	string	Unit of measure for destination location quantity.	-	-	-
orderPricing	array	Purchase order price amounts.	-	-	-
pricingType	string	Pricing type for purchase order item. Valid value hard coded UNIT.	-	pricingType = UNIT	-
pricingAmount	number	Pricing amount for pricing type defined by pricing type enumeration.	-	PO104	-
currencyCode	string	Currency for pricing amount.	-	-	-
priceUOM	string	Unit of measure used for pricing at the order line item level.	-	-	-
unitPriceBasisQuantity	number	Quantity basis of unit price.	-	-	-
altUOMDenominator	string	Denominator is used to convert from an alternate unit of measure, ie KG, to a base unit of measure, ie EA. The denominator is the number of units of the alternative UOM (KG) that corresponds to the number of units of the base UOM (EA). If 5 KG = 3 EA, 1 KG = 3/5 EA. 5 is the denominator. In most cases, this value will be 1.	-	-	-
altUOMNumerator	string	Numerator is used to convert from an alternate unit of measure, ie, KG to a base unit of measure, ie, EA. The numerator is the number of units of the base UOM (EA) that corresponds to the number of units of the alternative UOM (KG). If 5 KG = 3 EA, 1 KG = 3/5 EA. 3 is the numerator. In most cases, this value will be 1.	-	-	-
numberOfUnitsInPriceUOM	number	Number of units of measure on which the price is based, ie, 10 liters of oil cost $12.00. The price unit is 10.	-	-	-
itemWeight	array	Order weight at line item level.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
weightType	string	Type of weight recorded.	-	-	-
weightValue	number	Weight of product at PO line item.	-	-	-
unitOfMeasure	string	Unit of measure for weight value.	-	-	-
mpcDates	array	Purchase order dates at the item level.	-	-	-
dateType	string	referenced date type. Valid value is `BILLING PRICING`.	-	-	-
dateValue	date	Date defined by referenced date type.	-	-	-
timeZone	string	Time.	-	-	-
transactionReferenceIdentifiers	array	Transaction references for purchase orders and PO change, and PO confirmations at line item detail level.	-	-	-

transactionReferenceIdentifierType	string	Referenced document type.
		Valid values:
		•
		`PURCHASEORDER`
		•
		`SUPPLIERORDER`
		•
		`RELEASE`
			-	-	-

transactionReferenceIdentifierValue	string	Reference order identifier value.	-	-	-
transactionLineItemNumber	string	Line item number in customer purchase order. Line item level only.	-	-	-
transactionDate	date	Date order created.	-	-	-
transactionTime	date	Time order created.	-	-	-
deliverySchedule	array	Delivery schedule by dates and quantities.	-	-	-
scheduledQuantity	number	Quantity of product to be delivered on delivery date.	-	-	-
previouslyScheduledQuantity	number	Quantity of product that was previously scheduled to be delivered on the delivery date. Relevant for PO acknowledgment.	-	-	-
scheduledDate	date	Scheduled date for delivery of scheduled quantity.	-	-	-
deliveryScheduleDetails	array	Delivery schedule by dates and quantities.	-	-	-
lineItemNumber	string	Line item number for purchase document.	-	-	-
deliveryScheduleLineItem	string	Delivery schedule line item number.	-	-	-
itemCode	string	Product item identifier.	-	-	-
itemDescription	string	Description of product item.	-	-	-
quantity	number	Quantity of product in delivery schedule details.	-	-	-
unitOfMeasure	string	Unit of measure for total order quantity.	-	-	-
deliveryToleranceDetails	-	Details of over and under delivery tolerance for purchase order.	-	-	-
underDeliveryTolerance	string	Under delivery tolerance for order.	-	-	-
overDeliveryTolerance	string	Over delivery tolerance for order.	-	-	-
description	string	Description of tolerance.	-	-	-
confirmedQuantity	number	Confirmed quantity for tolerance.	-	-	-
shipToLocationInformation	-	Ship to location party types, identifiers and address information.	-	-	-
businessName	string	Business name for ship to party location.	-	-	-
additionalBusinessName	string	Additional business name or overflow of business name.	-	-	-
mpcCompanyLocationIdentifierList	array	List of identifiers and identifier types for the business party.	-	-	-
companyIdentifierType	string	Company identifier type for business partner.	-	-	-
companyIdentifierValue	string	Company location identifier for business partner.	-	-	-
alternateCompanyLocationIdentifierValue	string	Company location UUID for partner.	-	-	-
address	-	Manufacturing business party address info.	-	-	-
address1	string	Main street address.	-	-	-
address2	string	Supplemental street address.	-	-	-
city	string	City.	-	-	-
district	string	District.	-	-	-
state	string	State or region code.	-	-	-
postalCode	string	Postal code.	-	-	-
country	string	Country code.	-	-	-
telephone	string	Telephone number.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
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	-	Contact information for party business or location.	-	-	-
contactType	string	Contact type. Valid values: • PRIMARY • ORDERCONTACT • PRODUCTMANAGER	-	-	-
contactName	string	Contact name.	-	-	-
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	-	-
contactEmail	string	Contact email address.	-	-	-
mpcAdditionalAddressInformation	-	Additional address information that is not included in addressTypeDefinition.	-	-	-
externalERPUserName	string	External ERP system user name for user who generated message.	-	-	-
organizationCode	string	Code for organization responsible for generating the message.	-	-	-
organizationDescription	string	Description of the organization responsible for generating the message.	-	-	-
groupCode	string	Code identifying group responsible for generating the message.	-	-	-
language	string	Language key for message.	-	-	-
languageCode	string	ISO language code for message.	-	-	-
referenceIdentifier	string	Partner reference identifier.	-	-	-
termsOfPayment	array	Terms of payment looping group.	-	-	-
termsOfPaymentKey	string	Terms of payment.	-	-	-
paymentTypeCode	-	Code identifying type of payment terms.	-	-	-
termsOfPaymentDateType	string	Code identifying the beginning of the terms period.	-	-	-
numberOfDays	string	Terms of payment: number of days.	-	-	-
termsOfPaymentPercent	string	Terms of payment: percentage.	-	-	-
invoicePayablePercent	string	Percentage of invoice payable.	-	-	-
paymentDueDate	date	Due date for payment.	-	-	-
paymentDeferredToDate	date	Date deferred payment or percent of invoice payable is due.	-	-	-
paymentDeferredDueAmount	number	Deferred amount due for payment.	-	-	-
description	string	Terms of payment description.	-	-	-
creditsAndCharges	array	Credits and charges on PO including invoice total, discounts, allowances, promotions, services, and others.	-	Not present in sample X12 data. Using logic from standard PO map.	-
creditChargeKeyType	string	Key identifies credit or charges as discounts or additional charges. Valid values include: • ALLOWANCE • CHARGE • PROMOTION	-	SAC01 = Canonical enumeration: • A - ALLOWANCE • C - CHARGE • N - NONE	-
creditChargeType	string	Code representing type of credit or charge.	-	SAC02 See note for Conversion Table	-
creditChargeAmount	number	Total amount for the payment.	-	SAC05	-
qualifyingAmount	number	Amount qualifying for cash discount, allowance, promotion, service or charge.	-	-	-
creditChargeCurrencyCode	string	Currency code for credit or charge.	-	-	-
creditChargePercentRate	number	Percentage rate for cash discount, allowance, promotion, service or charge.	-	SAC07	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
percentRateBasisTypeCode	string	Code indicating basis that allowance or charge percent is calculated.	-	SAC06 = Canonical enumerations: • 0 - GROSS • 1 - ITEMLIST • 2 - ITEMNET • 3 - DISCOUNTGROSS • 4 - DISCOUNTNET • 5 - BASEUNITPRICE • 6 - BASEPRICE • 7 - BASEPRICELESSDISCOUNT • 8 - NETMONTHLYPASTDUE • 9 - LATEPAYMENT • B - ITEMTOTAL • C - ITEMUNIT • D - TOTAL	-
creditChargeHandlingCode		Method of handling for discount or charge. Valid values include: • ADVANCE • CANCELALLOWANCE • COLLECT • CREDITCUSTOMER • GROSSINVOICED • INFORMATION • PREPAID • RESELLERALLOWANCE • VENDORPAID	-	SAC12 = Canonical enumerations: • 01 - BILLBACK • 02 - OFFINVOICE • 04 - CREDITCUSTOMER • 05 - VENDORPAID • 06 - CUSTOMERPAID • 07 - OPTIONAL • 08 - GROSSINVOICED • 09 - VENDORALLOWANCE • 10 - RESELLERALLOWANCE • 11 - VENDORDENIED • 12 - CANCELALLOWANCE • 15 - INFORMATION • 18 - TAXNONPAYABLE • 25 - ADVANCE • CA - CALCULATE • CC - COLLECT • PP - PREPAID	-
description	string	Description of credit or charge.	-	-	-
taxes	array	Tax information and amounts. Header level. Tax amounts reported at header reflect totals for invoice.	-	Not present in sample X12 data. Using logic from standard PO map.	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
taxType	string	Type of tax recorded. List can be extended as required. Valid value: • VAT • HARMONIZEDSALES • FEDERALEXCISE • STATESALES • PROVINCIALSALES • CITYSALES • COUNTYSALES • GOODSANDSERVICES • CUSTOMSDUTY • SURTAX	-	TXI01 = Canonical enumerations: • CS - CITYSALES • CT - COUNTYSALES • CG - CUSTOMSDUTY • FD - FEDERALEXCISE • GS - GOODSANDSERVICES • BE - HARMONIZEDSALES • PG - PROVINCIALSALES • ST - STATESALES • AB - SURTAX • TX - ALLTAXES • VA - VAT	-
country	string	Country for which taxes are recorded.	-	-	-
taxRegistration	string	Tax registration number.	-	-	-
taxJurisdictionCode	string	Tax jurisdiction code.	-	TXI05	-
taxExemptCode	string	Tax exempt code.	-	TXI06	-
taxAmount	string	Total amount of tax in invoice.	-	TXI02	-
taxCurrencyCode	string	Currency for taxes.	-	-	-
taxPercent	string	Tax rate in percent.	-	TXI03	-
taxRate	string	Amount used for calculation of tax.	-	-	-
vatIndicator	string	VAT indicator.	-	-	-
deliveryTerms	array	Terms of delivery, transport or inco terms looping group.	-	-	-
deliveryTermCode	string	Inco term code.	-	-	-
description	string	Description for inco term.	-	-	-
deliveryChargePaymentMethodType	string	Method of payment for delivery.	-	-	-
fobTransferLocation	string	Code specifying the type of location at which the risk of loss for the shipment transfers.	-	-	-
componentProducts	array	Component product information.	-	-	-
customerProductCode	string	Customer product code identifier for component.	-	-	-
lotNumber	string	Lot number for component product.	-	-	-
quantity	number	Quantity of the component product.	-	-	-
unitOfMeasure	string	Unit of measure for the quantity of the component product. Use Java call-out to lookup table UOM_TableLookup2.txt.	-	-	-
componentItemType	string	Type of component Item.	-	-	-
componentItemTypeDescription	string	Description fo the item treated as component.	-	-	-
freeTextNote	-	Free text, instructions, notes, descriptions and other free text elements.	-	-	-
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, array	Free text array.	-	-	-
itemExtensions	array	Name value pairs to allow trading partners to send custom data not accommodated in canonical schema.	-	-	-
name	string	Name of extension field from trading partner.	-	-	-
value	string	Value of extension field.	-	-	-
customFields	array	Name value pairs for mapping pass through elements that will not be processed in TL system at different level.	-	-	-
name	string	Name of mapped field.	-	-	-
value	string	Value in named field.	-	-	-
canonicalPurchaseOrderSummary	array	PO transaction summaries.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
summaryType	string	Type of summary. Valid values include: • NUMBEROFITEMS • LINEITEMTOTAL • TOTALAMOUNT	-	Summary Types in PO: • NUMBEROFITEMS • LINEITEMTOTAL • TOTALAMOUNT	-
summaryValue	string	Value in summary.	-	• CTT01 for NUMBEROFITEMS • AMT02 for LINEITEMTOTAL when AMT01 = 1 • AMT02 for TOTALAMOUNT when AMT01 = TT	-
summaryValueUnit	string	Unit of measure or currency or other unit for summary value.	-	-	-

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