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Planned order canonical guidelines

Planned orders are typically generated automatically during Material Requirements Planning (MRP) runs, using real-time inputs such as sales forecasts, customer orders, and inventory levels.

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.	-	-	-
canonicalPlannedOrderHeader	-	Planned order message header.	-	-	-
processingFunctionTypeCode	string	Processing function, transaction set purpose code. Valid values: • CREATE • CHANGE • CANCEL • ORIGINAL • REPLACE • STATUS • INFORMATION • RESPONSE PROPOSED	-	-	-
plannedOrderType	string	Planned order type, possible IDoc values: (Pass through) • NB - Standard purchase order • LA - Stock order • RS - Reservation • KD - Individual customer order • KB - Consignment order • PE - Run schedule quantity order • VP - Planned independent requirements • PR - Project order	E1PLAFL/PAART (Mandatory) Use Java call-out to enum lookup table CL_PlannedOrderType.txt	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
productIdentifier	string	Finished good number for which planned order is created.	E1PLAFL/MATNR (Mandatory)	-	-
materialDescription	string	Finished product name.	-	-	-
procurementType	string	Indicator determines procurement type of the material and material is procured. • INHOUSE - In-house production • EXTERNAL - External procurement • BOTH - Both procurement type • NONE - No procurement	E1PLAFL/BESKZ = • E (INHOUSE) Or • F (EXTERNAL) Or • X (BOTH) (NONE)	-	-
specialProcurementType	string	Indicator determines the procurement type of the material and how the material is procured . • STANDARDEXTERNAL - Standard external procurement • CONSIGNMENT - Consignment • SUBCONTRACTING - Subcontracting • STOCKTRANSFER - Stock transfer • STANDARDINHOUSE - Standard in-house production • PRODUCTIONINPLANT - Production in plant • STOCKTRANSFERRESERVATION - Stock transfer reservation	E1PLAFL/SOBES = • 0 (STANDARDEXTERNAL) Or • 2 (CONSIGNMENT) Or • 3 (SUBCONTRACTING) Or • 7 (STOCKTRANSFER) Or • E (STANDARDINHOUSE) Or • P (PRODUCTIONINPLANT) Or • 9 (STOCKTRANSFERRESERVATION) (Mandatory) Use Java call-out to enum lookup table CL_SpecialProcurmentType.txt	-	-
availabilityConfirmation	string	This field indicates the availability status of the planned order. It confirms whether the materials, resources, or capacities required for the planned order are available at the time of planning. Valid values: • NOTCONFIRMED - Availability checked, not confirmed • PARTIALLYCONFIRMED - Availability checked, partially confirmed • FULLYCONFIRMED - Availability checked, fully confirmed • NONE - Availability not checked	E1PLAFL/MDPBV = • 1 (NOTCONFIRMED) Or • 2 (PARTIALLYCONFIRMED) Or • 3 (FULLYCONFIRMED) (NONE)	-	-
mrpControllerIdentifier	string	Number of the MRP controller or group of MRP controllers responsible for material planning for the material.	E1PLAFL/DISPO	-	-
productionSupervisor	string	Production of a material controlling group, responsible for calculating capacity requirement during schedule run.	E1PLAFL/PLGRP	-	-
productionVersion	string	Production version. In SAP this is a combination of a BOM and routing identifiers.	E1PLAFL/VERID	-	-
processingActionSequence	string	Defines the sequence of the actions that can be carried out for the planned order.	E1PLAFL/MDACH	-	-
processingAction	string	Actions that can be carried out for an existing planned order and the sequence in which they are carried out are defined in the action sequence.	E1PLAFL/MDACC	-	-

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Canonical Element		Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
specialStockIndicator		string	Identifying and managing materials that are not part of regular inventory but need to be tracked separately, such as consignment stock, project stock, and returnable packaging. Valid values: • ONHAND - Orders on hand • CUSTORDERSTOCK - Customer Order Stock • RTP - Supply chain • RTP CONSIGNSCVENDOR - Supply chain vendor consignment • CONSIGNVENDOR - Consignment (vendor) • RETURNPACKVENDOR - Return transfer package vendor • PARTS - Parts provided vendor • PIPELINE - Pipeline material • PROJECT - Project stock • SCPROJECTSTOCK - SC Project Stock • RETURNPACKCUSTOMER - Return package with customer • CONSIGNCUSTOMER - Consignment (customer) • SHIPUNIT - Shipping unit (warehouse)	E1PLAFL/SOBKZ = • E (ONHAND) Or • F (CUSTORDERSTOCK) Or • I (RTP) Or • J (CONSIGNSCVENDOR) Or • K (CONSIGNVENDOR) Or • M (RETURNPACKVENDOR) Or • O (PARTS) Or • P (PIPELINE) Or • Q (PROJECT) Or • R (SCPROJECTSTOCK) Or • V (RETURNPACKCUSTOMER) Or • W (CONSIGNCUSTOMER) Or • Y (SHIPUNIT) Use Java call-out to enumeration lookup table CL_SpecialStockIndicator.txt	-	-
isPlannedOrderConfirmed		boolean	This indicator specifies whether the planned order is fixed, meaning the system will not alter the dates or lot sizes during subsequent planning runs. Valid values: • true • false	E1PLAFL/AUFFX = true (X)	-	-
inco1Code		string	Incoterm code.	-	-	-
inco1TermDescription		string	Incoterm description.	-	-	-
mpcOrganizationList		array	Organization identifiers.	-	-	-
	organizationType	string	Organization type. Valid values: • PURCHASINGORGANIZATION - Purchasing organization procures materials and services. • PLANT - Planning plant code where materials are required to build. • STORAGELOCATION - Storage location number in the plant • PRODUCTIONPLANT - Production plant number in which the order quantity of the internally produced material will be manufactured.	-	-	-
	organizationValue	string	Organization unit identifier value	• E1PLAFL/EKORG when organizationType = PURCHASINGORGANIZATION • E1PLAFL/PLWRK (Mandatory) when organizationType = PLANT • E1PLAFL/LGORT when organizationType = STORAGELOCATION • E1PLAFL/PWWRK when organizationType = PRODUCTIONPLANT	-	-

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Canonical Element		Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
planningQuantity		array	Quantities of materials in planning.	-	-	-
	quantityType	string	Type of quantity recorded. Valid value: • ORDER (Mandatory) • SCRAP • COMMITTED • REDUCED • BASE	-	-	-
	quantityValue	number	Quantity of product reported in inventory.	• E1PLAFL/VFMNG when quantityType is COMMITTED • E1PLAFL/AVMNG when quantityType is SCRAP • E1PLAFL/GSMNG when quantityType is ORDER (Mandatory) • E1PLAFL/ABMNG when quantityType is REDUCED	-	-

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Canonical Element		Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
	unitOfMeasure	string	Unit or Basis for Measurement Code. Quantity UOM: **.Valid values** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card, Blister • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – Fluid Ounce • FT – Foot • GA – Gallon • GL – Gram/liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounces • PC – Piece • PF – Pallet • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • ST – Set • SY – Square Yard • T3 – Thousand Pieces • TB – Tube • TH – Thousand • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	E1PLAFL/MEINS (ORDER) Use Java call-out to enumeration lookup table UOM_TableLookup2.txt	-	-
taskListGroup		-	Information related group and task list functionality.	-	-	-

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Canonical Element		Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
	groupCounter	string	Group counter identifier, counter and group uniquely identify the task list, with group counter SAP allows planners to manage related planned orders as a group, making it easier to assign common resources, materials, and work centers.	E1PLAFL/PLNAL	-	-
	groupIdentifier	string	Identifier key for group, group will be used to identify two routings that have different production steps for one material.	E1PLAFL/PLNNR	-	-
	taskListType	string	Identifier key, classifies task lists according to their functionality. Valid values: • STANDARD • MASTERRECIPE • EQUIPMENT • ROUTING • INSPECTIONPLAN • RATEROUTING	E1PLAFL/PLNTY = • 0 (STANDARD) Or • 2 (MASTERRECIEPE) Or • E (EQUIPMENT) Or • N (ROUTING) Or • Q (INSPECTIONPLAN) Or • R (RATEROUTING) Use Java call-out to enum lookup table CL_TasklistType.txt	-	-

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Canonical Element			Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
		unitOfMeasure	string	Unit or Basis for Measurement Code. UOM: **.Valid values** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card, Blister • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – Fluid Ounce • FT – Foot • GA – Gallon • GL – Gram/liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounces • PC – Piece • PF – Pallet • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • ST – Set • SY – Square Yard • T3 – Thousand Pieces • TB – Tube • TH – Thousand • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	-	-	-
	billOfMaterialsInformation		-	Bill of materials information.	-	-	-
		billOfMaterialsIdentifier	string	BOM item identifier used in the production of finished good.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
explosionIdentifier	string	BOM explosion number is used in planned order to produce a product that requires a set of components, The BOM explosion number links this explosion to the specific production series that is being used to fulfill the planned order. Supplier uses this number to fulfill the required components in planned order.	E1PLAFL/SERNR	-	-
billOfMaterialStatus	string	Status of bill of materials. Valid Values: • ACTIVE • CREATE • RELEASED • OBSOLETE	-	-	-
changeNumber	string	Number used to uniquely identify a change master record.	-	-	-
usageType	string	BOM Usage defines the area (e.g., engineering, design, or production) where a BOM can be applied. It sets indicators to determine the item's configuration and its processing eligibility in specific areas like production.	E1PLAFL/STLAN	-	-
alternateBillOfMaterialCode	string	Alternative BOM identifier (two digit code) used to identify in BOM group.	E1PLAFL/STALT	-	-
isBOMFixed	boolean	Indicates whether the BOM is fixed and won't be re-exploded during another planning run. Valid values: • `true` • `false`	E1PLAFL/STLFX = true (X)	-	-

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Canonical Element		Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
	unitOfMeasure	string	Unit or Basis for Measurement Code. UOM: **.Valid values** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card, Blister • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – Fluid Ounce • FT – Foot • GA – Gallon • GL – Gram/liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounces • PC – Piece • PF – Pallet • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • ST – Set • SY – Square Yard • T3 – Thousand Pieces • TB – Tube • TH – Thousand • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	-	-	-

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Canonical Element		Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping

isCapacityDispatched		boolean	Indicates that the capacity requirements for the planned order are dispatched and won't be changed, including dates and quantities.
			Valid values:
			•
			`true`
			•
			`false`
				E1PLAFL/KAPFX = true (X)	-	-

isConvertible		boolean	Indicates whether the planned order can be converted into a production order, process order, or purchase requisition.
			Valid values:
			•
			`true`
			•
			`false`
				E1PLAFL/UMSKZ = true (X)	-	-

wbsElement		string	Work break down structure identifier is used to identify a element or task in case of order type is project order.	E1PLAFL/PSPEL	-	-
goodsReceiptProcessingInDays		number	Goods receipt processing time in days, - days required to check received goods and transferring to storage locations.	E1PLAFL/WEBAZ	-	-
transactionReferenceIdentifierList		array	Transaction references for inventory balance report.	-	-	-
	b2bTransactionIdentifierType	string	Referenced document type. Valid values: • PLANNEDORDER • SUPPLIERORDER	b2bTransactionIdentifierType = PLANNEDORDER	-	-
	b2bTransactionIdentifierValue	string	Reference document identifiers.	• E1PLAFL/PLNUM when b2bTransactionIdentifierType = PLANNEDORDER (Mandatory) • E1PLAFL/KDAUF when b2bTransactionIdentifierType = SUPPLIERORDER	-	-
	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.	E1PLAFL/KDPOS when b2bTransactionIdentifierType = SUPPLIERORDER	-	-
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 L11 and EDIFACT RFF for general reference data that is not a transaction document identifier.	-	-	-
	transactionReferenceIdentifier	string	Transaction reference identifier value defined by enumeration in transactionReferenceType.	-	-	-
	description	string	Identifier or description defined by qualifier code in transactionReferenceIdentifier (REF02)	-	-	-
	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.	-	-	-
	epochTransactionReferenceDate	integer	Transaction reference date and time in EPOCH date time format.	-	-	-
mpcDates		array	Dates relevant for the planned order.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
dateType	string	Date type at header level for planning order in date format YYYYMMDD and time format (IDoc, X12) HHMMSS. Valid values: • PLANNEDORDERSTART - Planned order start date • PLANNEDORDEREND - Planned order end date • PRODUCTIONSCHEDULEDSTART - Production dates scheduled start with time • PRODUCTIONSCHEDULEDEND - Production dates scheduled end dates along with time. • CONFIRMED - Total commitment date after ATP check from warehouse for MRP • OPENING - Date when planned order will be opened • BOMEXPLOSION - Planned order Bill of materials explosion date • ACTION - Processing action date and time • MANUFACTURED - Manufactured date. • CHECK - Quantity Inspection date • TRANSIT - In transit date • DUEDATE - Quantity due date.	-	-	-
dateValue	string	Date defined by referenced date type in date format YYYY-MM-DD. Dates will be populated with string of 0's if no date found for any of these date types. Maps will pass thru whatever it finds in IDoc date and time fields.	• E1PLAFL/PSTTR when dateType = PLANNEDORDERSTART (Mandatory) • E1PLAFL/GSTRS & GSUZS (if time present) when dateType = PRODUCTIONSCHEDULESTART • E1PLAFL/PEDTR when dateType = PLANNEDORDEREND (Mandatory) • E1PLAFL/GLTRS & GLUZS (if time present) when dateType = PRODUCTIONSCHEDULEEND • E1PLAFL/PERTR when dateType = OPENING (Mandatory) • E1PLAFL/GSBTR when dateType = CONFIRMED E1PLAFL/PALTR when dateType = BOMEXPLOSION • E1PLAFL/MDACD & MDACT (if time available) when dateType = ACTION	-	-
epochDateValue	integer	Date defined by referenced date type 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.	-	-	-
businessName	string	Business name for partner or location.	-	-	-
mpcCompanyLocationIdentifierList	array	Identifier list for business party.	-	-	-
isIdentifierPresentInEvent	boolean	Is identifier present in event boolean.	-	-	-
companyIdentifierType	string	Company identifier type for business partner.	-	-	-
companyIdentifierValue	string	Company identifier value for business partner.	-	-	-
alternateCompanyLocationIdentifierValue	string	Alternate company location identifier value.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
address	-	Party address information.	-	-	-
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	-	-	-	-	-
contactName	string	Contact name.	-	-	-
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	-	-
contactEmail	string	Contact email address.	-	-	-
supplierBusinessInformation	-	Supplier party company identifiers and address information, Name of the supplier for buy orders.	-	-	-
businessName	string	Business name for partner or location.	-	-	-
mpcCompanyLocationIdentifierList	array	Identifier list for business party.	-	-	-
isIdentifierPresentInEvent	boolean	Is identifier present in event boolean.	-	-	-
companyIdentifierType	string	Company identifier type for business partner.	-	-	-
companyIdentifierValue	string	Company identifier value for business partner.	-	-	-
alternateCompanyLocationIdentifierValue	string	Alternate company location identifier value.	-	-	-
address	-	Party address information.	-	-	-
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	-	-	-	-	-
contactName	string	Contact name.	-	-	-
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	-	-
contactEmail	string	Contact email address.	-	-	-
manufacturerBusinessInformation	-	Manufacturer party company identifiers and address information.	-	-	-
businessName	string	Business name for partner or location.	-	-	-
mpcCompanyLocationIdentifierList	array	Identifier list for business party.	-	-	-
isIdentifierPresentInEvent	boolean	Is identifier present in event boolean.	-	-	-
companyIdentifierType	string	Company identifier type for business partner.	-	-	-
companyIdentifierValue	string	Company identifier value for business partner.	-	-	-
alternateCompanyLocationIdentifierValue	string	Alternate company location identifier value.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
address	-	Party address information.	-	-	-
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	-	-	-	-	-
contactName	string	Contact name.	-	-	-
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	-	-
contactEmail	string	Contact email address.	-	-	-
freeTextNote	array	Free text 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.	-	-	-
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.	-	-	-
canonicalPlannedOrderItemDetails	array	-	-	-	-
reservationItems	array	Reservation item / component details.	E1RESBL	-	-
lineItemNumber	string	Line item number for reserved material/component.	E1RESBL/POSNR (Mandatory)	-	-
reservationIdentifier	string	Reservation or dependent requirements alphanumeric identifier.	E1RESBL/RSNUM	-	-
reservationPosition	string	Specifies the number that uniquely identifies an item in a reservation or a dependent requirement.	E1RESBL/RSPOS	-	-
componentIdentifier	string	Component bill of material item identifier used in the production of finished good.	E1RESBL/MATNR	-	-
itemDescription	string	Component name of bill of material item used in the production of finished good.	-	-	-
componentType	string	Type of the product such as Finished, semi-finished, Drug product.etc .	-	-	-
billOfMaterialsInternalIdentifier	string	BOM internal number given by system, used to uniquely identify a BOM.	E1RESBL/STLNR	-	-
billOfMaterialsItemNodeIdentifier	string	BOM Item node identifier.	E1RESBL/STLKN	-	-
plantNumber	string	Customer plant identifier for planning.	E1RESBL/WERKS	-	-
storageLocation	string	Specifies the storage location for issuing components (backflush posting) or receiving produced materials (receipt posting) in planned or production orders.	E1RESBL/LGORT	-	-
warehouseIdentifier	string	Warehouse Number / Warehouse Complex , identifies physical warehouse structure within the Warehouse Management system.	E1RESBL/LGNUM	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
isQuantityFixed	boolen	Quantity fixed indicator. Indicates that the quantity of an item remains constant, regardless of changes in the related system or finished product quantity. Valid values: • `true` • `false`	E1RESBL/FMENG = X (true)	-	-
componentSourceIndicator	string	Source of the components provision, empty in this field means this component are provided as consumable materials for subcontractor. Valid values: • `CUSTOMER` - Material provided by customer • `VENDOR` - Material provided by vendor • `REWORK` - Rework material • `SUBCONTRACTOR` - Rework material from subcontractors	E1RESBL/BEIKZ = • K (CUSTOMER) Or • L (VENDOR) Or • S (REWORK) Or • X (SUBCONTRACTOR)	-	-
procurementType	string	Component procurement type, procured specifically for a customer or production order or managed through stock procurement. • `INHOUSE` - Direct in-house production • `EXTERNAL` - Direct external procurement • `NONE` - No direct procurement or direct production	E1RESBL/DBSKZ = E (INHOUSE) Or F (EXTERNAL)	-	-
specialStockIndicator	string	Indicates special stock type. Valid values: • `ONHAND` - Orders on hand • `CUSTORDERSTOCK` - Customer Order Stock • `RTP` - Supply chain RTP • `CONSIGNSCVENDOR` - Supply chain vendor consignment • `CONSIGNVENDOR` - Consignment (vendor) • `RETURNPACKVENDOR` - Return transfer package vendor • `PARTS` - Parts provided vendor • `PIPELINE` - Pipeline material • `PROJECT` - Project stock • `SCPROJECTSTOCK` - SC Project Stock • `RETURNPACKCUSTOMER` - Return package with customer • `CONSIGNCUSTOMER` - Consignment (customer) • `SHIPUNIT` - Shipping unit (warehouse)	• E1RESBL/SOBKZ = • E (ONHAND) Or • F (CUSTORDERSTOCK) Or • I (RTP) Or • J (CONSIGNSCVENDOR) Or • K (CONSIGNVENDOR) Or • M (RETURNPACKVENDOR) Or • O (PARTS) Or • P (PIPELINE) Or • Q (PROJECT) Or • R (SCPROJECTSTOCK) Or • V (RETURNPACKCUSTOMER) Or • W (CONSIGNCUSTOMER) Or • Y (SHIPUNIT) Use Java call-out to enum lookup table CL_SpecialStockIndicator.txt	-	-
productionSupplyArea	string	A shop floor interim storage area for materials, used in production, Kanban processing, and Warehouse Management.	E1RESBL/PRVBE	-	-
itemCategory	string	Classifies BOM items based on criteria like object reference (e.g., material or document) or stock status. It controls field selection, default values, and system activities for BOM maintenance.	E1RESBL/POSTP	-	-
lotNumber	string	Batch number of the Item.	E1RESBL/CHARG	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
billOfMaterialsLevel	string	The BOM level and the path are only relevant for planning with phantom assemblies.	E1RESBL/AUFST	-	-
billOfMaterialsPath	string	The level and path together identify the exact position of a phantom assembly in a BOM.	E1RESBL/AUFWG	-	-
activityPostingIdentifier	string	Identifies the activity posting in the planned order.	E1RESBL/STPOZ	-	-
isSubItemsExist	boolean	Indicator sub items exists. Valid values: • `true` • `false`	E1RESBL/UPSKZ = X (true)	-	-
transactionReferenceIdentifierList	-	Transaction references used to map reference identifiers information.	-	-	-
b2bTransactionIdentifierType	string	Referenced document type. Valid value is BOM.	-	-	-
b2bTransactionIdentifierValue	string	Referenced document identifier.	-	-	-
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.	-	-	-
productCodesIdentifiers	array	Internal material identifier in the backend/ERP systems for the product. In the planning this will be the manufacturer or customer.	-	-	-
productCodeType	string	Code to qualify product identifier type: • `CUSTOMER` • `SUPPLIER` • `MANUFACTURER` • `GTIN-14` • `NTIN` • `CN-RESCODE` • `VENDORPARTNUM` • `UPC` • `SKU`	-	-	-
productCodeValue	string	Product code identifier value.	-	-	-
productItemInformation	array	Product item code information. Only using a subset of all available attributes.	-	-	-
productLanguageCode	string	Language for product description.	-	-	-
productName	string	Name of product.	-	-	-
genericName	string	Generic name for product.	-	-	-
productDescription	string	Description of the product defined by the current product identifier.	-	-	-
itemQuantity	array	Quantity of item in planning.	-	-	-
quantityType	string	Type of quantity recorded. Valid values: • `REQUIRED` • `BASE` • `WITHDRAWN` • `SHORT`	-	-	-
quantityValue	number	Quantity of product required for planning.	• E1RESBL/NOMNG where quantityType = REQUIRED • E1RESBL/BDMNG where quantityType = BASE • E1RESBL/ENMNG where quantityType = WITHDRAWN • E1RESBL/VMENG where quantityType = SHORT	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
unitOfMeasure	string	Unit or Basis for Measurement Code. **.Valid values** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card, Blister • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – Fluid Ounce • FT – Foot • GA – Gallon • GL – Gram/liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounces • PC – Piece • PF – Pallet • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • ST – Set • SY – Square Yard • T3 – Thousand Pieces • TB – Tube • TH – Thousand • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	E1RESBL/MEINS where quantityType = BASE Use Java call-out to enum lookup table UOM_TableLookup2.txt	-	-
mpcDates/ dateValue	array	Dates relevant for sales forecast.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
dateType	string	Date type at item detail level for sales forecast. Valid values: • REQUIREMENTS • LATESTREQUIRED	-	-	-
dateValue	string	Date defined by referenced date type in date format YYYY-MM-DD or datetime format YYYY-MM-DDTHH:MM:SS.nnnz. Dates may be populated with string of 0's if no date found for any of these date types. Maps will pass thru whatever it finds in inbound date and time fields.	• E1RESBL/BDTER where quantityType = REQUIREMENTS • E1RESBL/SBTER where quantityType = LATESTREQUIRED	-	-
epochDateValue	integer	Date defined by referenced date type 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.	-	-	-
supplierBusinessInformation	-	Supplier party company identifiers and address information, Name of the supplier for buy orders.	-	-	-
businessName	string	Business name for partner or location.	-	-	-
mpcCompanyLocationIdentifierList	array	Identifier list for business party.	-	-	-
isIdentifierPresentInEvent	boolean	Is identifier present in event boolean.	-	-	-
companyIdentifierType	string	Company identifier type for business partner.	-	-	-
companyIdentifierValue	string	Company identifier value for business partner.	-	-	-
alternateCompanyLocationIdentifierValue	string	Alternate company location identifier value.	-	-	-
address	-	Party address information.	-	-	-
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	-	-	-	-	-
contactName	string	Contact name.	-	-	-
contactTitle	string	Title of contact.	-	-	-
contactPhone	string	Contact phone number.	-	-	-
contactEmail	string	Contact email address.	-	-	-
freeTextNote	array	Free text 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.	-	-	-
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.	-	-	-
planningOrderOperations	array	Planning order operations or process.	E1PLOPL	-	-
activityIdentifier	string	Determines in which order the operations of a sequence are carried out.	E1PLOPL/VORNR	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
subActivityIdentifier	string	Determines in which order the sub-operations of an operation are listed.	N/A	-	-
workCenterIdentifier	string	Work center identifier where operation will be performed.	E1PLOPL/ARBID	-	-
controlKey	string	Determines which of business transactions list should be executed in work center as part of work center activities. Like Scheduling, Quality inspection, Detailed capacity requirements, cost, Auto goods receipt, Inspection chart required, In house production etc.	E1PLOPL/STEUS	-	-
description	string	Operation short text description.	E1PLOPL/LTXA1	-	-
operationSequence	string	A key which identifies a sequence of operations within a routing.	E1PLOPL/PLNFL	-	-
sequenceType	string	Indicates a standard sequence or a parallel sequence or an alternative sequence.	E1PLOPL/FLGAT	-	-
operationWorkActivity	array	Duration of work or quantity value required to complete the activity.	-	-	-
activityType	string	Type of work involved in performing the activity. • NORMAL - Normal duration required to carry out the activity. • WORK - Amount of work involved in performing the activity. • WORKCENTERCUSTOMONE - Customised work center activity type. • WORKCENTERCUSTOMTWO - Customised work center actvitiy type • WORKCENTERCUSTOMTHREE - Customised work center actvitiy type • WORKCENTERCUSTOMFOUR - Customised work center actvitiy type • WORKCENTERCUSTOMFIVE - Customised work center actvitiy type • WORKCENTERCUSTOMSIX - Customised work center actvitiy type	-	-	-
activityName	string	Place holder to give a custom activity name.	-	-	-
activityValue	number	Amount of work involved in performing the activity.	• E1PLOPL/ARBEI when activityType = WORK • E1PLOPL/DAUNO when activityType = NORMAL • E1PLOPL/VGW01 when activityType = WORKCENTERCUSTOMONE • E1PLOPL/VGW02 when activityType = WORKCENTERCUSTOMTWO • E1PLOPL/VGW03 when activityType = WORKCENTERCUSTOMTHREE • E1PLOPL/VGW04 when activityType = WORKCENTERCUSTOMFOUR • E1PLOPL/VGW05 when activityType = WORKCENTERCUSTOMFIVE • E1PLOPL/VGW06 when activityType = WORKCENTERCUSTOMSIX	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
unitOfMeasure	string	Unit or Basis for Measurement Code. Activity/Normal/ customised actvity unit of measurement	• E1PLOPL/ARBEH when workActivityType = WORK • E1PLOPL/DAUNE when workActivityType = NORMAL • E1PLOPL/VGE01 when activityType = WORKCENTERCUSTOMONE • E1PLOPL/VGE02 when activityType = WORKCENTERCUSTOMTWO • E1PLOPL/VGE03 when activityType = WORKCENTERCUSTOMTHREE • E1PLOPL/VGE04 when activityType = WORKCENTERCUSTOMFOUR • E1PLOPL/VGE05 when activityType = WORKCENTERCUSTOMFIVE • E1PLOPL/VGE06 when activityType = WORKCENTERCUSTOMSIX Use Java call-out to enumeration lookup table UOM_TableLookup2.txt	-	-
mpcDates	array	Dates relevant for planned order operations.	-	-	-
dateType	string	Date type at item detail level for sales forecast. Valid values include: • EARLIESTTEARDOWNSTART • EARLIESTPROCESSINGSTART • LATESTTEARDOWNSTART • LATESTPROCESSINGSTART	-	-	-
dateValue	string	Date defined by referenced date type in date format YYYY-MM-DD or datetime format YYYY-MM-DDTHH:MM:SS.nnnz. Dates may be populated with string of 0's if no date found for any of these date types. Maps will pass thru whatever it finds in inbound date and time fields.	E1PLOPL/FSSAD & FSSAZ (if time available) when dateType = EARLIESTTEARDOWNSTART E1PLOPL/FSSBD & FSSBZ (if time available) when dateType = EARLIESTPROCESSINGSTART E1PLOPL/SSSAD & SSSAZ (if time available) when dateType = LATESTTEARDOWNSTART E1PLOPL/SSSBD & SSSBZ (if time available) when dateType = LATESTPROCESSINGSTART	-	-
epochDateValue	integer	Date defined by referenced date type 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.	-	-	-
capacityRequirements	array	Capacity requirement records for operations or processes.	E1KBEDL	-	-
lineItemNumber	string	Line item identifier for the capacity requirements record.	E1KBEDL/BEDID	-	-
capacityRequirementsIdentifier	string	Identifier for the activity posting.	E1KBEDL/BEDZL	-	-
capacityRequirementsCounter	number	Counters for capacity requirements records various caps includes individual capacities.	E1KBEDL/CANUM	-	-
capacityCategory	string	Capacity category: In a planning order or production order, this field is populated to indicate which capacity category (e.g., machine, labor, etc.) is linked with a specific operation or activity in a work center.	E1KBEDL/KAPAR	-	-
capacityIdentifier	string	Work center resource id where in capacity is required in production.	E1KBEDL/KAPID	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
isSplitRecord	boolen	When a planned order is split into multiple smaller orders due to capacity or scheduling constraints split processing indicator whether this record is part of remaining split process - true - false	E1KBEDL/BEDKZ = X (true)	-	-
splitNumber	number	Split number.	E1KBEDL/SPLIT	-	-
setupSegmentRequirement	-	Indicates remaining and scheduled capacity required for the setup phase of an operation.	-	-	-
remainingCapacity	string	Indicates how much capacity is still required for the setup phase of an operation.	E1KBEDL/KRUEREST	-	-
scheduledCapacity	string	Specifies the planned or scheduled capacity needed for the setup phase of an operation.	E1KBEDL/KRUESOLL	-	-
processingSegmentRequirement	-	Indicates remaining and scheduled capacity required for the processing phase of an operation.	-	-	-
remainigCapacity	string	Indicates how much capacity is still required for the processing phase of an operation.	E1KBEDL/KBEAREST	-	-
scheduledCapacity	string	Specifies the planned or scheduled capacity needed for the processing phase of an operation.	E1KBEDL/KBEASOLL	-	-
teardownSegmentRequirement	-	Indicates remaining and scheduled capacity required for the tear down phase of an operation.	-	-	-
remainingCapacity	string	Indicates how much capacity is still required for the tear down phase of an operation	E1KBEDL/KABRREST	-	-
scheduledCapacity	string	Specifies the planned or scheduled capacity needed for the tear down phase of an operation.	E1KBEDL/KABRSOLL	-	-
unitOfMeasure	string	Unit or Basis for Measurement Code. Quantity UOM's include: for displaying segment capacity requirements.	E1KBEDL/KEINH Use Java call-out to enumeration lookup table UOM_TableLookup2.txt	-	-
itemQuantity	array	Capacity requirement quantity.	-	-	-
quantityType	string	Type of quantity recorded. Valid value is ITEM.	-	-	-
quantityValue	number	Quantity value.	E1KBEDL/MGVRG when quantityType = ITEM	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
unitOfMeasure	string	Unit or Basis for Measurement Code. **.Valid values** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card, Blister • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – Fluid Ounce • FT – Foot • GA – Gallon • GL – Gram/liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounces • PC – Piece • PF – Pallet • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • ST – Set • SY – Square Yard • T3 – Thousand Pieces • TB – Tube • TH – Thousand • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	E1KBEDL/MEINH Use Java call-out to enum lookup table UOM_TableLookup2.txt	-	-
mpcDates	array	Dates relevant for capacity requirement.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
dateType	string	Date type at item detail level for capacity requirement. Valid values: • EARLIESTSTART • EARLIESTFINISH	-	-	-
dateValue	string	Date defined by referenced date type in date format YYYY-MM-DD or datetime format YYYY-MM-DDTHH:MM:SS.nnnz. Dates may be populated with string of 0's if no date found for any of these date types. Maps will pass thru whatever it finds in inbound date and time fields.	E1KBEDL/FSTAD & FSTAU (if time available) where quantityType = EARLIESTSTART E1KBEDL/FENDD & FENDU (if time available) where quantityType = EARLIESTFINISH	-	-
epochDateValue	integer	Date defined by referenced date type 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	-	-	-
planningOrderSubOperations	array	Planning order sub operations or process	E1PLUVL	-	-
activityIdentifier	string	Determines in which order the operations of a sequence are carried out.	-	-	-
subActivityIdentifier	string	Determines in which order the sub-operations of an operation are listed.	E1PLUVL/UVORN	-	-
workCenterIdentifier	string	Work center identifier where operation will be performed	E1PLUVL/ARBID	-	-
controlKey	string	Determines which of business transactions list should be executed in work center as part of work center activities. Like Scheudling,Quality inspection, Detailed capacity requirements, cost, Auto goods receipt, Inspection chart required, In house production..etc.,	-	-	-
description	string	Operation short text description	-	-	-
operationSequence	string	A key which identifies a sequence of operations within a routing.	E1PLUVL/PLNFL	-	-
sequenceType	string	Indicates a standard sequence a parallel sequence or an alternative sequence	-	-	-
operationWorkActivity	array	Duration of work or quantity value required to complete the activity	-	-	-
activityType	string	Type of work involved in performing the activity. • NORMAL - Normal duration required to carry out the activity. • WORK - Amount of work involved in performing the activity. • WORKCENTERCUSTOMONE - Customized work center activity type • WORKCENTERCUSTOMTWO - Customized work center activity type • WORKCENTERCUSTOMTHREE - Customized work center activity type • WORKCENTERCUSTOMFOUR - Customized work center activity type • WORKCENTERCUSTOMFIVE - Customized work center activity type • WORKCENTERCUSTOMSIX - Customized work center activity type	-	-	-
activityName	string	Place holder to give a custom activity name.	-	-	-

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Canonical Element				Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
	-		activityValue	number	Amount of work involved in performing the activity.	• E1PLUVL/ARBEI when activityType = WORK • E1PLUVL/DAUNO when activityType = NORMAL • E1PLUVL/VGW01 when activityType = WORKCENTERCUSTOMONE • E1PLUVL/VGW02 when activityType = WORKCENTERCUSTOMTWO • E1PLUVL/VGW03 when activityType = WORKCENTERCUSTOMTHREE • E1PLUVL/VGW04 when activityType = WORKCENTERCUSTOMFOUR • E1PLUVL/VGW05 when activityType = WORKCENTERCUSTOMFIVE • E1PLUVL/VGW06 when activityType = WORKCENTERCUSTOMSIX	-	-

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Canonical Element			Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
	-	unitOfMeasure	string	Unit or Basis for Measurement Code. Activity/Normal/ customised actvity unit of measurement. **.Valid values** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card, Blister • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – Fluid Ounce • FT – Foot • GA – Gallon • GL – Gram/liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounces • PC – Piece • PF – Pallet • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • ST – Set • SY – Square Yard • T3 – Thousand Pieces • TB – Tube • TH – Thousand • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	• E1PLUVL/ARBEH when workActivityType = WORK • E1PLUVL/DAUNE when workActivityType = NORMAL • E1PLUVL/VGE01 when activityType = WORKCENTERCUSTOMONE • E1PLUVL/VGE02 when activityType = WORKCENTERCUSTOMTWO • E1PLUVL/VGE03 when activityType = WORKCENTERCUSTOMTHREE • E1PLUVL/VGE04 when activityType = WORKCENTERCUSTOMFOUR • E1PLUVL/VGE05 when activityType = WORKCENTERCUSTOMFIVE • E1PLUVL/VGE06 when activityType = WORKCENTERCUSTOMSIX Use Java call-out to enum lookup table UOM_TableLookup2.txt	-	-
		mpcDates	array	Dates relevant for planned order sub operations.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
dateType	string	Date type at item detail level for sales forecast. Valid values: • EARLIESTTEARDOWNSTART • EARLIESTPROCESSINGSTART • LATESTTEARDOWNSTART • LATESTPROCESSINGSTART	-	-	-
dateValue	string	Date defined by referenced date type in date format YYYY-MM-DD or datetime format YYYY-MM-DDTHH:MM:SS.nnnz. Dates may be populated with string of 0's if no date found for any of these date types. Maps will pass thru whatever it finds in inbound date and time fields.	• E1PLUVL/FSSAD & FSSAZ (if time available) when dateType = EARLIESTTEARDOWNSTART • E1PLUVL/FSSBD & FSSBZ (if time available) when dateType = EARLIESTPROCESSINGSTART • E1PLUVL/SSSAD & SSSAZ (if time available) when dateType = LATESTTEARDOWNSTART • E1PLUVL/SSSBD & SSSBZ (if time available) when dateType = LATESTPROCESSINGSTART	N/A	N/A
epochDateValue	integer	Date defined by referenced date type 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.	-	-	-
capacityRequirements	array	Capacity requirement records for sub operations or processes.	E1KBEUL	-	-
lineItemNumber	string	Line item identifier for the capacity requirements record.	E1KBEUL/BEDID	-	-
capacityRequirementsIdentifier	string	Identifier for the activity posting.	E1KBEUL/BEDZL	-	-
capacityRequirementsCounter	number	Counters for capacity requirements records various caps includes individual capacities.	E1KBEUL/CANUM	-	-
capacityCategory	string	Capacity category: In a planning order or production order, this field is populated to indicate which capacity category (e.g., machine, labor, etc.) is linked with a specific operation or activity in a work center.	E1KBEUL/KAPAR	-	-
capacityIdentifier	string	Work center resource id where in capacity is required in production.	E1KBEUL/KAPID	-	-
isSplitRecord	boolen	When a planned order is split into multiple smaller orders due to capacity or scheduling constraints split processing indicator whether this record is part of remaining split process, • `true` • `false`	E1KBEUL/BEDKZ = X (true)	-	-
splitNumber	number	Split number.	-	-	-
teardownSegmentRequirement	-	Indicates remaining and scheduled capacity required for the teardown phase of an operation.	-	-	-
remainigCapacity	string	Indicates how much capacity is still required for the teardown phase of an operation.	E1KBEUL/KABRREST	-	-
scheduledCapacity	string	Specifies the planned or scheduled capacity needed for the teardown phase of an operation.	E1KBEUL/KABRSOLL	-	-
processingSegmentRequirement	-	Indicates remaining and scheduled capacity required for the processing phase of an operation.	-	-	-
remainigCapacity	string	Indicates how much capacity is still required for the processing phase of an operation.	E1KBEUL/KBEAREST	-	-
scheduledCapacity	string	Specifies the planned or scheduled capacity needed for the processing phase of an operation.	E1KBEUL/KBEASOLL	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
setupSegmentRequirement	-	Indicates remaining and scheduled capacity required for the setup phase of an operation.	-	-	-
remainigCapacity	string	Indicates how much capacity is still required for the setup phase of an operation.	E1KBEUL/KRUEREST	-	-
scheduledCapacity	string	Specifies the planned or scheduled capacity needed for the setup phase of an operation.	E1KBEUL/KRUESOLL	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
unitOfMeasure	string	Unit or Basis for Measurement Code. Quantity UOM's include: for displaying segment capacity requirements **.Valid values** • 02 – Statute Mile • 4G – Microliter • AM – Ampoule • AV – Capsule • BD – Bundle • BG – Bag • BO – Bottle • BX – Box • C3 – Centiliter • CA – Case • CC – Cubic Centimeter • CF – Cubic Feet • CG – Card, Blister • CI – Cubic Inches • CL – Cylinder • CM – Centimeter • CN – Can • CP – Crate • CQ – Cartridge • CR – Cubic Meters • CT – Carton • DA – Day • DI – Dispenser • DK – Kilometers • DL – Deciliter • DM – Decimeter • DR – Drum • DS – Display • DZ – Dozen • EA – Each • FO – Fluid Ounce • FT – Foot • GA – Gallon • GL – Gram/liter • GR – Gram • GS – Gross • H4 – Hectoliter • HF – Hundred Feet • HR – Hours • IN – Inch • K6 – Kiloliters • KG – Kilogram • KT – Kit • LB – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LT – Liter • LY – Linear Yard • MC – Microgram • ME – Milligram • ML – Milliliter • MM – Millimeter • MO – Months • MR – Meter • OZ – Ounces • PC – Piece • PF – Pallet • PK – Package • PR – Pair • PT – Pint • QT – Quart • RL – Roll • SC – Square Centimeter • SF – Square Foot • SH – Sheet • SI – Square Inch • SM – Square Meter • ST – Set • SY – Square Yard • T3 – Thousand Pieces • TB – Tube • TH – Thousand • TY – Tray • U2 – Tablet • UM – Million • UN – Unit • V2 – Pouch • VI – Vial • WK – Week • YD – Yard • YR – Years	E1KBEUL/KEINH Use Java call-out to enumeration lookup table UOM_TableLookup2.txt	-	-
itemQuantity	array	Operation required quantity in schedule line.	-	-	-
quantityType	string	Type of quantity recorded. Valid value is ITEM.	-	-	-
quantityValue	number	Quantity of product reported in inventory.	-	-	-

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Canonical Element	Type Definition	Description	IDoc mapping	X12 mapping	EDIFACT mapping
unitOfMeasure	string	Unit or Basis for Measurement Code.	-	-	-
mpcDates	array	Dates relevant for sales forecast.	-	-	-
dateType	string	Date type at item detail level for sales forecast. Valid values: • EARLIESTSTART • EARLIESTFINISH	-	-	-
dateValue	string	Date defined by referenced date type in date format YYYY-MM-DD or datetime format YYYY-MM-DDTHH:MM:SS.nnnz. Dates may be populated with string of 0's if no date found for any of these date types. Maps will pass thru whatever it finds in inbound date and time fields.	-	-	-
epochDateValue	integer	Date defined by referenced date type 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	Free text 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.	-	-	-
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.	-	-	-
freeTextNote	array	Free text data.	-	-	-
textReferenceCode	string	Text reference or subject code. Will map whatever is found.	-	-	-
	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.	-	-	-
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.	-	-	-
canonicalPlannedOrderSummary	array	Planned Order summary segment.	-	-	-
summaryType	string	Summary type for the planning order. Valid value is NUMBEROFITEMS.	-	-	-
summaryValue	string	Summary value.	-	-	-
summaryValueUnit	string	Summary value unit of measure.	-	-	-

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