TRACELINK UNIVERSITY

Planned order (IDoc)

A planned order is a system-generated proposal created within Enterprise Resource Planning (ERP) systems—such as SAP—or Advanced Planning Systems (APS), to signal the anticipated need to manufacture or procure a specific quantity of a pharmaceutical product or raw material at a specific time.

The planned order IDoc message sends production planning information between MAH and CMO via an IDoc basic type message.

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

- **Message Type**: MPC_PLANNED_ORDER
- **IDoc Format**: LOIPLO.LOIPLO02
- **Transform Names**:
    - SAP_IDoc_LOIPLO-LOIPLO02_PlannedOrder_IB_V1
    - SAP_IDoc_LOIPLO-LOIPLO02_PlannedOrder_OB_V1

Guidelines

Input Element	Occurs	Length	Description	Example
IDOC	1...1	-	**Required.** IDoc root.	-
@BEGIN	1...1	0/*	**Required.** Begin of message attribute.	1
EDI_DC40	1...1	-	**Required.** IDoc control record.	-

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Input Element	Occurs	Length	Description	Example
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
TABNAM	1...1	0/*	**Required.** IDoc table name.	EDI_DC40
MANDT	0...1	0/3	**Required.** Client.	300
DOCNUM	0...1	0/16	**Required.** IDoc number.	0000000000619827
STATUS	0...1	0/2	Current IDoc processing status.	03
DIRECT	1...1	0/*	**Required.** Direction.	1
OUTMOD	0...1	0/1	Output mode.	2
EXPRSS	0...1	0/1	Overriding in inbound processing.	-
TEST	0...1	0/1	Test flag.	-
IDOCTYP	1...1	0/*	**Required.** IDoc basic type.	DELFOR
CIMTYP	0...1	0/*	Name of extension type.	-
MESTYP	0...1	0/30	**Required.** Logical message type.	DELFOR02
MESCOD	0...1	0/3	**Required.** Logical message code.	-
MESFCT	0...1	0/3	Logical message function.	-
STD	0...1	0/1	EDI standard.	-
STDVRS	0...1	0/6	Version of EDI standard.	-
STDMES	0...1	0/6	EDI message type.	-
SNDPOR	1...1	0/10	**Required.** Sender port (SAP System, EDI subsystem).	SAPD11
SNDPRT	1...1	0/2	**Required.** Partner type of sender.	LS
SNDPFC	0...1	0/2	Partner function of sender.	-
SNDPRN	1...1	0/10	**Required.** Partner number of sender.	ERPCLNT302
SNDSAD	0...1	0/21	**Required.** Sender address (SADR).	-
SNDLAD	0...1	0/70	Logical address of sender mapping to fileSenderNumber. Require a value that concatenates party type with party identifier in party type format.	0010136941923
RCVPOR	1...1	0/10	**Required.** SAP receiver port.	TRACELINK
RCVPRT	0...1	0/2	Partner type of receiver.	LS
RCVPFC	0...1	0/2	Partner function of receiver.	LS
RCVPRN	1...1	0/10	**Required.** Partner number of receiver.	TRACELINK
RCVSAD	0...1	0/21	**Required.** Receiver address (SADR).	-
RCVLAD	0...1	0/70	Logical address of receiver. Required for TraceLink. Identifies the receiver of the IDoc for the TraceLink system's location ID. Must match the value that the IDoc sender has configured for their receiver partner in TraceLink.	3333331013655
CREDAT	0...1	0/8	**Required.** Date IDoc was created in format YYYYMMDD.	20230511
CRETIM	0...1	6/6	Time IDoc was created in format HHMMSS.	161000
REFINT	0...1	0/14	Reference to interchange file.	-
REFGRP	0...1	0/14	Reference to message group.	-
REFMES	0...1	0/14	Reference to message.	-
ARCKEY	0...1	0/70	EDI archive key.	-
SERIAL	0...1	0/20	EDI/ALE: Serialization field.	-
E1PLAFL	1...1	-	**Required.** IDoc header data for planned order.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
ABMNG	0...1	0/14	Reduced quantity in the planned order, indicates a decrease in the originally planned order quantity due to changes in demand, stock availability, or other factors.	12
AUFFX	0...1	0/1	This indicator specifies whether the planned order is fixed, meaning the system will not alter the dates or lot sizes during subsequent planning runs.	X
AVMNG	0...1	0/14	Fixed scrap quantity from production.	2
BESKZ	0...1	0/1	Procurement Type, Indicator determines procurement type of the planed order material is procured. • E - In house • F - External • X - Both inhouse and external	F
DISPO	0...1	0/3	Number of the MRP controller or group of MRP controllers responsible for material planning for the material.	011
EKORG	0...1	0/4	Purchasing Organization code, purchasing organization procures materials and services, negotiates conditions of purchase with vendors, and is responsible for such transactions.	1000
GSBTR	0...1	0/8	Total commitment date after ATP check from warehouse for MRP.	20240428
GLTRS	0...1	0/8	Scheduled production finish date.	20240428
GLUZS	0...1	0/6	scheduled production finish time in hhmmss.	010450
GSMNG	0...1	0/14	**Required.** Total output planned order quantity.	12
GSTRS	0...1	0/8	Scheduled production start date.	20240428
GSUZS	0...1	0/6	scheduled production finish time in hhmmss.	010450
KAPFX	0...1	0/1	Indicates that the capacity requirements for the planned order are dispatched and won't be changed, including dates and quantities. Valid value is X	X

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Input Element	Occurs	Length	Description	Example
KDAUF	0...1	0/10	Sales Order identifier number, uniquely identifies a specific sales order in the system. It is used to track and reference sales orders, with postprocessing possible only for non-valuated sales order stock.	0000011732
KDPOS	0...1	0/6	Sales order Item number, Uniquely identifies an item within a sales order.	00010
LGORT	0...1	0/4	Storage location number in the plant.	0004
MATNR	0...1	0/18	**Required.** Planning material number for which planned order is created	100-130
MDACC	0...1	0/4	Code of last carried out action for a planned order, such as check material availability or explode BOM..etc.	BEMA
MDACD	0...1	0/8	Date of last carried our action.	20240428
MDACH	0...1	0/4	Action control in planned order processing, defining the sequence of actions that can be performed on planned orders.	01
MDPBV	0...1	0/1	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: • 1 - Availability checked, not confirmed • 2 - Availability checked, partially confirmed • 3 - Availability checked, fully confirmed • - Availability not checked	1
MEINS	0...1	0/3	**Required.** Planned order quantity unit of measure.	PCE
PAART	0...1	0/4	**Required.** Planned order type. Valid values: • 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	NB
PALTR	0...1	0/8	Explosion date, which is used to determine the valid Bill of Materials (BOM) or routing for a planned order, it helps to ensure that materials are planned correctly based on the current version of the BOM, considering changes in components, materials, or production processes over time.	20161113
PEDTR	0...1	0/8	Planned order finish date, expected completion or delivery of the planned order quantity.	20240428
PERTR	0...1	0/8	Date when planned order will be opened.	20161113
PLNAL	0...1	0/2	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.	02
PLNNR	0...1	0/8	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.	000002
PLNTY	0...1	0/1	Identifier key, classifies task lists according to their functionality. Valid values: • 0 - Standard network • 2 - Master recipe • E - Equipment task list • N - Routing • Q - Inspection plan • R - Rate routing	0
PLNUM	0...1	0/10	**Required.** Planned Order identifier number, uniquely identifies a specific planned order for a material.	0000038723
PLWRK	0...1	0/4	**Required.** Planning plant code where materials are required to build.	0004
PSPEL	0...1	0/24	**Required.** work break down structure identifier is used to identify a element or task in case of order type is project order.	M/3500-42
PSTTR	0...1	0/8	**Required.** Planned order start date, Earliest date by when production of planned order quantity starts.	20240428
PWWRK	0...1	0/4	Production plant number in which the order quantity of the internally produced material will be manufactured.	0004

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Input Element	Occurs	Length	Description	Example
SERNR	0...1	0/8	The BOM explosion number links this explosion to the specific production series that is being used to fulfill the planned order.	000012
SOBES	0...1	0/1	**Required.** Indicator determines the procurement type of the material and how the material is procured. • 0 - Standard external procurement • 2 - Consignment • 3 - Subcontracting • 7 - Stock transfer • E - Standard in-house production • P - Production in plant • 9 - Stock transfer reservation	0
SOBKZ	0...1	0/1	**Required.** Identifying and managing materials that are not part of regular inventory but need to be tracked separately. • E - Materials that are associated with orders on hand • F - Stock for customer order • I - Stock for repair and return to production • J - Parts provided by vendor for a specific purpose • K - Consignment (vendor) • M - Return transfer package vendor • O - Stock in Transit • P - Pipeline material - in process of being transported • Q - Project Stock - Materials assigned to a specific project and managed separately from general stock • R - SC Project Stock • V - Return package with customer • W - Consignment (customer) • Y - Shipping unit (warehouse)	O
STLFX	0...1	0/1	Indicates whether the BOM is fixed and won't be re-exploded during another planning run. Valid values: • X • empty	X
UMSKZ	0...1	0/1	Indicates whether the planned order can be converted into a production order, process order, or purchase requisition. Valid values • X • empty	X
VERID	0...1	0/4	A key determines production techniques determines BOM explosion, task list type, group and counter for allocating tasks lists.	1
VFMNG	0...1	0/14	Total committed planned order quantity.	12
WEBAZ	0...1	0/5	Goods receipt processing time in days, - days required to check received goods and transferring to storage locations.	1
STLAN	0...1	0/1	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.	1
STLAT	0...1	0/2	Alternative BOM identifies a BOM within a BOM group, This allows flexibility in production, where an alternative BOM can be selected if the primary BOM is unavailable or requires adjustments.	1
PLGRP	0...1	0/2	Production of a material controlling group, responsible for calculating capacity requirement during schedule run.	101
E1RESBL	0...9999	-	Reservation or dependent requirements.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
BDMNG	0...1	0/14	**Required.** Base item quantity reserved for making a finished product.	13
BDTER	0...1	0/8	**Required.** Date on which reserved quantity is required.	20161113

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Input Element	Occurs	Length	Description	Example
BEIKZ	0...1	0/1	Material provision indicator that the item is subject to material provision, empty in this field means this component are provided as consumable materials for subcontractor • K - Material provided by customer • L - Material provided by vendor • S - Rework material • X - Rework material from subcontractors	K
CHARG	0...1	0/10	Batch number of reserved item.	AR
DBSKZ	0...1	0/1	This field indicates whether the material required for the planned order is to be directly procured (procured specifically for a customer or production order) or managed through stock procurement. Valid values: • E - Direct production • F - Direct procurement • - No direct procurement or direct production	E
ENMNG	0...1	0/14	Quantity already withdrawn from the required item quantity reserved for making a finished product.	4
FMENG	0...1	0/1	Quantity fixed indicator - Indicates that the quantity of an item remains constant, regardless of changes in the related system or finished product quantity. Valid value is X - true	X
LGORT	0...1	0/4	Specifies the storage location for issuing components (backflush posting) or receiving produced materials (receipt posting) in planned or production orders.	1212
MATNR	0...1	0/18	**Required.** Component bill of material item identifier used in the production of finished good.	121212

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Input Element	Occurs	Length	Description	Example
MEINS	0...1	0/14	**Required.** Base unit for Measurement Code. Unit of entry UOM's include: **Valid values** • SMI – Statue Mile • 4G – Microliter • AM – Ampoule • ANN – Years • AV – Capsule • BE – Bundle • BG – Bag • BO – Bottle • BX – Box • CA – Can • CG – Card, Blister • CLT – Centiliter • CMK – Square Centimeter • CMQ – Cubic Centimeter • CMT – Centimeter • CQ – Cartridge • CR – Crate • CS – Case • CT – Carton • CY – Cylinder • DAY – Day • DI – Dispenser • DLT – Deciliter • DMT – Decimeter • DR – Drum • DS – Display • DZN – Dozen • EA – Each • FOT – Foot • FTK – Square Foot • FTQ – Cubic Feet • GL – Gram/liter • GLL – Gallon • GRM – Gram • GRO – Gross • HF – Hundred Feet • HLT – Hectoliter • HUR – Hours • INH – Inch • INK – Square Inch • INQ – Cubic Inches • K6 – Kiloliters • KGM – Kilogram • KMT – Kilometers • KT – Kit • LBR – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LTR – Liter • LY – Linear Yard • MC – Microgram • MGM – Milligram • MIL – Thousand • MLT – Milliliter • MMT – Millimeter • MON – Months • MTK – Square Meter • MTQ – Cubic Meters • MTR – Meter • ONZ – Ounces • OZA – Fluid Ounce • PCE – Piece • PF – Pallet • PK – Package • PH – Pack (PAK) • PO – Pouch • PR – Pair • PT – Pint • PU – Tray • QT – Quart • RO – Roll • SET – Set • SMI – Statute Mile • ST – Sheet • T3 – Thousand Pieces • TU – Tube • U2 – Tablet • UM – Million • UN – Unit • VI – Vial • WEE – Week • YDK – Square Yard • YRD – Yard	EA

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Input Element	Occurs	Length	Description	Example
SBTER	0...1	0/8	Date on which reserved quantity is required.	20161113
SOBKZ	0...1	0/1	Identifying and managing materials that are not part of regular inventory but need to be tracked separately. • E - Materials that are associated with orders on hand • F - Stock for customer order • I - Stock for repair and return to production • J - Parts provided by vendor for a specific purpose • K - Consignment (vendor) • M - Return transfer package vendor • O - Stock in Transit • P - Pipeline material - in process of being transported • Q - Project Stock - Materials assigned to a specific project and managed separately from general stock • R - SC Project Stock • V - Return package with customer • W - Consignment (customer) • Y - Shipping unit (warehouse)	O
UPSKZ	0...1	0/1	Indicates BOM Item sub items.	X
VMENG	0...1	0/14	Confirmed quantity for availability check would store the difference between the delivered and invoiced quantities, based on the purchase order quantity.	4
WERKS	0...1	0/4	Planning plant code where materials are required to build.	0004
POSNR	0...1	0/4	**Required.** Reserved material/component serial number.	0010
RSNUM	0...1	0/10	**Required.** Reservation or dependent requirements alphanumeric identifier for each order, unique identification number assigned to a reservation for materials or goods. RSNUM field links RSEB and FLAP table in SAP.	0010
RSPOS	0...1	0/4	**Required.** Specifies the number that uniquely identifies an item in a reservation or a dependent requirement.	1
NOMNG	0...1	0/15	**Required.** Required base quantity.	4
DUMPS	0...1	0/1	Phantom item indicator, specifies whether the item in question is a phantom assembly.	-
AUFST	0...1	0/2	The BOM level and the path are only relevant for planning with phantom assemblies.	-
AUFWG	0...1	0/2	The level and path together identify the exact position of a phantom assembly in a BOM	-
POSTP	0...1	0/1	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.	1
STLNR	0...1	0/8	Bill of material identifier number.	0000038723
STLKN	0...1	0/8	Bill of material item node identifier number.	0121
STPOZ	0...1	0/8	Internal counter, Identifies the activity posting.	01
LGNUM	0...1	0/3	Warehouse Number/Warehouse Complex ,identifies physical warehouse structure within the Warehouse Management system.	01
PRVBE	0...1	0/10	A shop floor interim storage area for materials, used in production, Kanban processing, and Warehouse Management.	2
E1PLOPL	0...9999	-	Processes/operations for planned orders.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
VORNR	0...1	0/4	**Required.** Determines in which order the operations of a sequence are carried out.	01
PVZNR	0...1	0/4	Identifies priror operation to this operation.	01
ARBEI	0...1	0/7	**Required.** Amount of work involved in performing the activity.	01

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Input Element	Occurs	Length	Description	Example
ARBEH	0...1	0/3	Work unit of measurement. **Valid values** • SMI – Statue Mile • 4G – Microliter • AM – Ampoule • ANN – Years • AV – Capsule • BE – Bundle • BG – Bag • BO – Bottle • BX – Box • CA – Can • CG – Card, Blister • CLT – Centiliter • CMK – Square Centimeter • CMQ – Cubic Centimeter • CMT – Centimeter • CQ – Cartridge • CR – Crate • CS – Case • CT – Carton • CY – Cylinder • DAY – Day • DI – Dispenser • DLT – Deciliter • DMT – Decimeter • DR – Drum • DS – Display • DZN – Dozen • EA – Each • FOT – Foot • FTK – Square Foot • FTQ – Cubic Feet • GL – Gram/liter • GLL – Gallon • GRM – Gram • GRO – Gross • HF – Hundred Feet • HLT – Hectoliter • HUR – Hours • INH – Inch • INK – Square Inch • INQ – Cubic Inches • K6 – Kiloliters • KGM – Kilogram • KMT – Kilometers • KT – Kit • LBR – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LTR – Liter • LY – Linear Yard • MC – Microgram • MGM – Milligram • MIL – Thousand • MLT – Milliliter • MMT – Millimeter • MON – Months • MTK – Square Meter • MTQ – Cubic Meters • MTR – Meter • ONZ – Ounces • OZA – Fluid Ounce • PCE – Piece • PF – Pallet • PK – Package • PH – Pack (PAK) • PO – Pouch • PR – Pair • PT – Pint • PU – Tray • QT – Quart • RO – Roll • SET – Set • SMI – Statute Mile • ST – Sheet • T3 – Thousand Pieces • TU – Tube • U2 – Tablet • UM – Million • UN – Unit • VI – Vial • WEE – Week • YDK – Square Yard • YRD – Yard	01

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Input Element	Occurs	Length	Description	Example
ARBID	0...1	0/8	Work center ID.	01
DAUNO	0...1	0/7	Normal duration of the activity.	01

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Input Element	Occurs	Length	Description	Example
DAUNE	0...1	0/3	Normal duration unit of measurement. **Valid values** • SMI – Statue Mile • 4G – Microliter • AM – Ampoule • ANN – Years • AV – Capsule • BE – Bundle • BG – Bag • BO – Bottle • BX – Box • CA – Can • CG – Card, Blister • CLT – Centiliter • CMK – Square Centimeter • CMQ – Cubic Centimeter • CMT – Centimeter • CQ – Cartridge • CR – Crate • CS – Case • CT – Carton • CY – Cylinder • DAY – Day • DI – Dispenser • DLT – Deciliter • DMT – Decimeter • DR – Drum • DS – Display • DZN – Dozen • EA – Each • FOT – Foot • FTK – Square Foot • FTQ – Cubic Feet • GL – Gram/liter • GLL – Gallon • GRM – Gram • GRO – Gross • HF – Hundred Feet • HLT – Hectoliter • HUR – Hours • INH – Inch • INK – Square Inch • INQ – Cubic Inches • K6 – Kiloliters • KGM – Kilogram • KMT – Kilometers • KT – Kit • LBR – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LTR – Liter • LY – Linear Yard • MC – Microgram • MGM – Milligram • MIL – Thousand • MLT – Milliliter • MMT – Millimeter • MON – Months • MTK – Square Meter • MTQ – Cubic Meters • MTR – Meter • ONZ – Ounces • OZA – Fluid Ounce • PCE – Piece • PF – Pallet • PK – Package • PH – Pack (PAK) • PO – Pouch • PR – Pair • PT – Pint • PU – Tray • QT – Quart • RO – Roll • SET – Set • SMI – Statute Mile • ST – Sheet • T3 – Thousand Pieces • TU – Tube • U2 – Tablet • UM – Million • UN – Unit • VI – Vial • WEE – Week • YDK – Square Yard • YRD – Yard	01

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Input Element	Occurs	Length	Description	Example
FSSAD	0...1	0/8	Earliest date when processing is finished and teardown can start.	20161113
FSSAZ	0...1	0/6	Earliest time when planning operation is finished and teardown can start.	131110
FSSBD	0...1	0/8	Earliest date when processing of the planning operation can begin.	20161113
FSSBZ	0...1	0/6	Earliest time when processing of the planning operation can begin.	131110
PLNFL	0...1	0/6	Sequence - A key which identifies a sequence of operations within a routing.	01
SSSAD	0...1	0/8	Latest start date for the teardown of the operation.	20161113
SSSAZ	0...1	0/6	Latest start time for the teardown of the operation.	131110
SSSBD	0...1	0/8	Latest start date for the processing of the operation.	20161113
SSSBZ	0...1	0/6	Latest start time for the processing of the operation.	131110
VGW	0...1	0/7	Amount of work involved in performing the activity.	01

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Input Element	Occurs	Length	Description	Example
VGE	0...1	0/3	Work unit of measurement. **Valid values** • SMI – Statue Mile • 4G – Microliter • AM – Ampoule • ANN – Years • AV – Capsule • BE – Bundle • BG – Bag • BO – Bottle • BX – Box • CA – Can • CG – Card, Blister • CLT – Centiliter • CMK – Square Centimeter • CMQ – Cubic Centimeter • CMT – Centimeter • CQ – Cartridge • CR – Crate • CS – Case • CT – Carton • CY – Cylinder • DAY – Day • DI – Dispenser • DLT – Deciliter • DMT – Decimeter • DR – Drum • DS – Display • DZN – Dozen • EA – Each • FOT – Foot • FTK – Square Foot • FTQ – Cubic Feet • GL – Gram/liter • GLL – Gallon • GRM – Gram • GRO – Gross • HF – Hundred Feet • HLT – Hectoliter • HUR – Hours • INH – Inch • INK – Square Inch • INQ – Cubic Inches • K6 – Kiloliters • KGM – Kilogram • KMT – Kilometers • KT – Kit • LBR – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LTR – Liter • LY – Linear Yard • MC – Microgram • MGM – Milligram • MIL – Thousand • MLT – Milliliter • MMT – Millimeter • MON – Months • MTK – Square Meter • MTQ – Cubic Meters • MTR – Meter • ONZ – Ounces • OZA – Fluid Ounce • PCE – Piece • PF – Pallet • PK – Package • PH – Pack (PAK) • PO – Pouch • PR – Pair • PT – Pint • PU – Tray • QT – Quart • RO – Roll • SET – Set • SMI – Statute Mile • ST – Sheet • T3 – Thousand Pieces • TU – Tube • U2 – Tablet • UM – Million • UN – Unit • VI – Vial • WEE – Week • YDK – Square Yard • YRD – Yard	01

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Input Element	Occurs	Length	Description	Example
STEUS	0...1	0/4	Determines which business transactions should be executed for the object that belongs to the task list or order.	PPO1
FLGAT	0...1	0/1	Sequence category , Indicates a standard sequence or a parallel sequence or an alternative sequence.	-
LTXA1	0...1	0/40	Operation short text description.	-
E1KBEDL	0...9999	-	Capacity requirements for processes.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
BEDID	0...1	0/12	**Required.** ID of the capacity requirements record.	10000005942
BEDZL	0...1	0/8	**Required.** Internal counter, Identifies the activity posting.	1
CANUM	0...1	0/4	**Required.** Internal counter, Identifies the activity posting.	513
BEDKZ	0...1	0/1	Remaining split record indicator.	X
KABRREST	0...1	0/22	Indicates how much capacity is still required for the teardown phase of an operation.	0
KABRSOLL	0...1	0/22	Specifies the planned or scheduled capacity needed for the teardown phase of an operation.	1
KBEAREST	0...1	0/22	Indicates how much capacity is still required for the processing phase of an operation.	0
KBEASOLL	0...1	0/22	Specifies the planned or scheduled capacity needed for the processing phase of an operation.	1
KRUEREST	0...1	0/22	Indicates how much capacity is still required for the setup phase of an operation.	0
KRUESOLL	0...1	0/22	Specifies the planned or scheduled capacity needed for the setup phase of an operation.	1
KAPAR	0...1	0/3	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.	101
KAPID	0...1	0/8	Work center resource id where in capacity is required in production.	101232

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Input Element	Occurs	Length	Description	Example
KEINH	0...1	0/3	Unit of measure for displaying capacity requirements. **Valid values** • SMI – Statue Mile • 4G – Microliter • AM – Ampoule • ANN – Years • AV – Capsule • BE – Bundle • BG – Bag • BO – Bottle • BX – Box • CA – Can • CG – Card, Blister • CLT – Centiliter • CMK – Square Centimeter • CMQ – Cubic Centimeter • CMT – Centimeter • CQ – Cartridge • CR – Crate • CS – Case • CT – Carton • CY – Cylinder • DAY – Day • DI – Dispenser • DLT – Deciliter • DMT – Decimeter • DR – Drum • DS – Display • DZN – Dozen • EA – Each • FOT – Foot • FTK – Square Foot • FTQ – Cubic Feet • GL – Gram/liter • GLL – Gallon • GRM – Gram • GRO – Gross • HF – Hundred Feet • HLT – Hectoliter • HUR – Hours • INH – Inch • INK – Square Inch • INQ – Cubic Inches • K6 – Kiloliters • KGM – Kilogram • KMT – Kilometers • KT – Kit • LBR – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LTR – Liter • LY – Linear Yard • MC – Microgram • MGM – Milligram • MIL – Thousand • MLT – Milliliter • MMT – Millimeter • MON – Months • MTK – Square Meter • MTQ – Cubic Meters • MTR – Meter • ONZ – Ounces • OZA – Fluid Ounce • PCE – Piece • PF – Pallet • PK – Package • PH – Pack (PAK) • PO – Pouch • PR – Pair • PT – Pint • PU – Tray • QT – Quart • RO – Roll • SET – Set • SMI – Statute Mile • ST – Sheet • T3 – Thousand Pieces • TU – Tube • U2 – Tablet • UM – Million • UN – Unit • VI – Vial • WEE – Week • YDK – Square Yard • YRD – Yard	EA

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Input Element	Occurs	Length	Description	Example
FSTAD	0...1	0/8	Earliest start date for the processing of the operation.	20161113
FSTAU	0...1	0/6	Earliest start time for the processing of the operation.	131110
FENDD	0...1	0/8	Earliest finish date for the processing of the operation.	20161113
FENDU	0...1	0/6	Earliest finish time for the processing of the operation.	131110
SPLIT	0...1	0/3	Split number.	01
MGVRG	0...1	0/15	**Required.** Operation activity quantity that will be produced.	4

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Input Element	Occurs	Length	Description	Example
MEINH	0...1	0/3	**Required.** Unit of measure for activity. **Valid values** • SMI – Statue Mile • 4G – Microliter • AM – Ampoule • ANN – Years • AV – Capsule • BE – Bundle • BG – Bag • BO – Bottle • BX – Box • CA – Can • CG – Card, Blister • CLT – Centiliter • CMK – Square Centimeter • CMQ – Cubic Centimeter • CMT – Centimeter • CQ – Cartridge • CR – Crate • CS – Case • CT – Carton • CY – Cylinder • DAY – Day • DI – Dispenser • DLT – Deciliter • DMT – Decimeter • DR – Drum • DS – Display • DZN – Dozen • EA – Each • FOT – Foot • FTK – Square Foot • FTQ – Cubic Feet • GL – Gram/liter • GLL – Gallon • GRM – Gram • GRO – Gross • HF – Hundred Feet • HLT – Hectoliter • HUR – Hours • INH – Inch • INK – Square Inch • INQ – Cubic Inches • K6 – Kiloliters • KGM – Kilogram • KMT – Kilometers • KT – Kit • LBR – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LTR – Liter • LY – Linear Yard • MC – Microgram • MGM – Milligram • MIL – Thousand • MLT – Milliliter • MMT – Millimeter • MON – Months • MTK – Square Meter • MTQ – Cubic Meters • MTR – Meter • ONZ – Ounces • OZA – Fluid Ounce • PCE – Piece • PF – Pallet • PK – Package • PH – Pack (PAK) • PO – Pouch • PR – Pair • PT – Pint • PU – Tray • QT – Quart • RO – Roll • SET – Set • SMI – Statute Mile • ST – Sheet • T3 – Thousand Pieces • TU – Tube • U2 – Tablet • UM – Million • UN – Unit • VI – Vial • WEE – Week • YDK – Square Yard • YRD – Yard	EA

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Input Element	Occurs	Length	Description	Example
E1PLUVL	0...9999	-	sub processes/ sub operations for planned orders.	-
@SEGMENT	1...1	0/*	**Required.** Begin of segment attribute.	1
UVORN	0...1	0/4	**Required.** Sub operation identifier.	01
ARBEI	0...1	0/7	Amount of work involved in performing the activity.	01

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Input Element	Occurs	Length	Description	Example
ARBEH	0...1	0/3	Work unit of measurement. **Valid values** • SMI – Statue Mile • 4G – Microliter • AM – Ampoule • ANN – Years • AV – Capsule • BE – Bundle • BG – Bag • BO – Bottle • BX – Box • CA – Can • CG – Card, Blister • CLT – Centiliter • CMK – Square Centimeter • CMQ – Cubic Centimeter • CMT – Centimeter • CQ – Cartridge • CR – Crate • CS – Case • CT – Carton • CY – Cylinder • DAY – Day • DI – Dispenser • DLT – Deciliter • DMT – Decimeter • DR – Drum • DS – Display • DZN – Dozen • EA – Each • FOT – Foot • FTK – Square Foot • FTQ – Cubic Feet • GL – Gram/liter • GLL – Gallon • GRM – Gram • GRO – Gross • HF – Hundred Feet • HLT – Hectoliter • HUR – Hours • INH – Inch • INK – Square Inch • INQ – Cubic Inches • K6 – Kiloliters • KGM – Kilogram • KMT – Kilometers • KT – Kit • LBR – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LTR – Liter • LY – Linear Yard • MC – Microgram • MGM – Milligram • MIL – Thousand • MLT – Milliliter • MMT – Millimeter • MON – Months • MTK – Square Meter • MTQ – Cubic Meters • MTR – Meter • ONZ – Ounces • OZA – Fluid Ounce • PCE – Piece • PF – Pallet • PK – Package • PH – Pack (PAK) • PO – Pouch • PR – Pair • PT – Pint • PU – Tray • QT – Quart • RO – Roll • SET – Set • SMI – Statute Mile • ST – Sheet • T3 – Thousand Pieces • TU – Tube • U2 – Tablet • UM – Million • UN – Unit • VI – Vial • WEE – Week • YDK – Square Yard • YRD – Yard	01

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Input Element				Occurs	Length	Description	Example
			ARBID	0...1	0/8	Work center ID.	01
			DAUNO	0...1	0/7	Normal duration of the activity.	01

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Input Element	Occurs	Length	Description	Example
DAUNE	0...1	0/3	Normal duration unit of measurement. **Valid values** • SMI – Statue Mile • 4G – Microliter • AM – Ampoule • ANN – Years • AV – Capsule • BE – Bundle • BG – Bag • BO – Bottle • BX – Box • CA – Can • CG – Card, Blister • CLT – Centiliter • CMK – Square Centimeter • CMQ – Cubic Centimeter • CMT – Centimeter • CQ – Cartridge • CR – Crate • CS – Case • CT – Carton • CY – Cylinder • DAY – Day • DI – Dispenser • DLT – Deciliter • DMT – Decimeter • DR – Drum • DS – Display • DZN – Dozen • EA – Each • FOT – Foot • FTK – Square Foot • FTQ – Cubic Feet • GL – Gram/liter • GLL – Gallon • GRM – Gram • GRO – Gross • HF – Hundred Feet • HLT – Hectoliter • HUR – Hours • INH – Inch • INK – Square Inch • INQ – Cubic Inches • K6 – Kiloliters • KGM – Kilogram • KMT – Kilometers • KT – Kit • LBR – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LTR – Liter • LY – Linear Yard • MC – Microgram • MGM – Milligram • MIL – Thousand • MLT – Milliliter • MMT – Millimeter • MON – Months • MTK – Square Meter • MTQ – Cubic Meters • MTR – Meter • ONZ – Ounces • OZA – Fluid Ounce • PCE – Piece • PF – Pallet • PK – Package • PH – Pack (PAK) • PO – Pouch • PR – Pair • PT – Pint • PU – Tray • QT – Quart • RO – Roll • SET – Set • SMI – Statute Mile • ST – Sheet • T3 – Thousand Pieces • TU – Tube • U2 – Tablet • UM – Million • UN – Unit • VI – Vial • WEE – Week • YDK – Square Yard • YRD – Yard	01

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Input Element	Occurs	Length	Description	Example
FSSAD	0...1	0/8	Earliest date when processing is finished and teardown can start	20161113
FSSAZ	0...1	0/6	Earliest time when planning operation is finished and teardown can start	131110
PLNFL	0...1	0/6	Sequence - A key which identifies a sequence of operations within a routing.	01
FSSBD	0...1	0/8	Earliest date when processing of the planning operation can begin.	20161113
FSSBZ	0...1	0/6	Earliest time when processing of the planning operation can begin.	131110
SSSAD	0...1	0/8	Latest start date for the teardown of the operation.	20161113
SSSAZ	0...1	0/6	Latest start time for the teardown of the operation.	131110
SSSBD	0...1	0/8	Latest start date for the processing of the operation.	20161113
SSSBZ	0...1	0/6	Latest start time for the processing of the operation.	131110
VGW	0...1	0/7	Amount of work involved in performing the activity.	01

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Input Element	Occurs	Length	Description	Example
VGE	0...1	0/3	Work unit of measurement. **Valid values** • SMI – Statue Mile • 4G – Microliter • AM – Ampoule • ANN – Years • AV – Capsule • BE – Bundle • BG – Bag • BO – Bottle • BX – Box • CA – Can • CG – Card, Blister • CLT – Centiliter • CMK – Square Centimeter • CMQ – Cubic Centimeter • CMT – Centimeter • CQ – Cartridge • CR – Crate • CS – Case • CT – Carton • CY – Cylinder • DAY – Day • DI – Dispenser • DLT – Deciliter • DMT – Decimeter • DR – Drum • DS – Display • DZN – Dozen • EA – Each • FOT – Foot • FTK – Square Foot • FTQ – Cubic Feet • GL – Gram/liter • GLL – Gallon • GRM – Gram • GRO – Gross • HF – Hundred Feet • HLT – Hectoliter • HUR – Hours • INH – Inch • INK – Square Inch • INQ – Cubic Inches • K6 – Kiloliters • KGM – Kilogram • KMT – Kilometers • KT – Kit • LBR – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LTR – Liter • LY – Linear Yard • MC – Microgram • MGM – Milligram • MIL – Thousand • MLT – Milliliter • MMT – Millimeter • MON – Months • MTK – Square Meter • MTQ – Cubic Meters • MTR – Meter • ONZ – Ounces • OZA – Fluid Ounce • PCE – Piece • PF – Pallet • PK – Package • PH – Pack (PAK) • PO – Pouch • PR – Pair • PT – Pint • PU – Tray • QT – Quart • RO – Roll • SET – Set • SMI – Statute Mile • ST – Sheet • T3 – Thousand Pieces • TU – Tube • U2 – Tablet • UM – Million • UN – Unit • VI – Vial • WEE – Week • YDK – Square Yard • YRD – Yard	01

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Input Element	Occurs	Length	Description	Example
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BEDID	0...1	0/12	**Required.** ID of the capacity requirements record.	10000005942
BEDZL	0...1	0/8	**Required.** Identifier for the activity posting.	1
CANUM	0...1	0/4	**Required.** Counters for capacity requirements records various caps includes individual capacities.	513
BEDKZ	0...1	0/1	Remaining split record indicator.	X
KABRREST	0...1	0/22	Indicates how much capacity is still required for the teardown phase of an operation.	0
KABRSOLL	0...1	0/22	Specifies the planned or scheduled capacity needed for the teardown phase of an operation.	1
KBEAREST	0...1	0/22	Indicates how much capacity is still required for the processing phase of an operation.	0
KBEASOLL	0...1	0/22	Specifies the planned or scheduled capacity needed for the processing phase of an operation.	1
KRUEREST	0...1	0/22	Indicates how much capacity is still required for the setup phase of an operation.	0
KRUESOLL	0...1	0/22	Specifies the planned or scheduled capacity needed for the setup phase of an operation.	1
KAPAR	0...1	0/3	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.	101
KAPID	0...1	0/8	Work center resource id where in capacity is required in production.	101232

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Input Element						Occurs	Length	Description	Example
					KEINH	0...1	0/3	Unit of measure for displaying capacity requirements. **Valid values** • SMI – Statue Mile • 4G – Microliter • AM – Ampoule • ANN – Years • AV – Capsule • BE – Bundle • BG – Bag • BO – Bottle • BX – Box • CA – Can • CG – Card, Blister • CLT – Centiliter • CMK – Square Centimeter • CMQ – Cubic Centimeter • CMT – Centimeter • CQ – Cartridge • CR – Crate • CS – Case • CT – Carton • CY – Cylinder • DAY – Day • DI – Dispenser • DLT – Deciliter • DMT – Decimeter • DR – Drum • DS – Display • DZN – Dozen • EA – Each • FOT – Foot • FTK – Square Foot • FTQ – Cubic Feet • GL – Gram/liter • GLL – Gallon • GRM – Gram • GRO – Gross • HF – Hundred Feet • HLT – Hectoliter • HUR – Hours • INH – Inch • INK – Square Inch • INQ – Cubic Inches • K6 – Kiloliters • KGM – Kilogram • KMT – Kilometers • KT – Kit • LBR – Pounds • LF – Linear Foot • LO – Lot (unit of procurement) • LTR – Liter • LY – Linear Yard • MC – Microgram • MGM – Milligram • MIL – Thousand • MLT – Milliliter • MMT – Millimeter • MON – Months • MTK – Square Meter • MTQ – Cubic Meters • MTR – Meter • ONZ – Ounces • OZA – Fluid Ounce • PCE – Piece • PF – Pallet • PK – Package • PH – Pack (PAK) • PO – Pouch • PR – Pair • PT – Pint • PU – Tray • QT – Quart • RO – Roll • SET – Set • SMI – Statute Mile • ST – Sheet • T3 – Thousand Pieces • TU – Tube • U2 – Tablet • UM – Million • UN – Unit • VI – Vial • WEE – Week • YDK – Square Yard • YRD – Yard	EA

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