Angles for SAP Release Notes

Version: 2020SP10

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End user - Highlights

P2P: Insight in rescheduling of Purchase Requisition delivery dates

When tracking your purchase requisitions, delivery dates often get rescheduled. To give you better insight into the number of times a purchase requisition item or service delivery dates is rescheduled, the following fields were introduced in the object Purchase Requisition:

— First Schedule of Delivery Date: Shows the first delivery date when the purchase requisition was scheduled.

— Deviation from First Schedule in Calendar/Workdays: Shows the deviation between the first delivery date the purchase requisition item/service was scheduled on, and the last date, in calendar / workdays.

— Number of Item Delivery Date Changes: Shows the number of times the delivery date has been rescheduled for a purchase requisition.

— Delivery Date Previous Change: Shows the previous delivery date when the sales order item was scheduled for goods issue.

— Prev Change Deviation in Calendar/Workdays: Shows the deviation between the previous delivery date the purchase requisition item/service was scheduled on, and the last date, in calendar/ workdays.

A new display *PR Planning Changes* has been added to the Purchase Requisition Template. This will make it easy to identify those purchase requisitions (material/service/vendor combinations) which are replanned frequently. A root cause analysis provides insight into improvement possibilities, like vendor reliability issues or outdated master data.

P2P: Insight in rescheduling of Purchase Document delivery dates

When tracking your purchase orders, delivery dates often get rescheduled. To give you better insight into the number of times a purchase order item or service delivery dates [EKET-EINDT] is rescheduled, the following fields were introduced in the object *Purchase Document Item*:

— Number of Item Delivery Date Changes: Shows how many times the delivery date has been rescheduled for a purchase order item/service.

— Delivery Date Previous Change: Shows the previous delivery date when the purchase order item was scheduled for delivery.

— Date of last Confirm. Change: Shows the most recent date on which the confirmed date of the purchase document item was changed.

— Difference Order Due Date vs. Last Confirmation: Shows deviation between the Delivery Date Previous Change (previous value of the Order Due Date) and the Date of last confirmation change.

— Delivery Date Previous Change - Deviation: Shows the deviation between the previous delivery date the purchase order item/service was scheduled on, and the last date, in calendar/ workdays.

- Delivery Date 1st Schedule: Shows the first delivery date when the purchase order item was scheduled for delivery.
- Delivery Date 1st Schedule - Deviation in Calendar/Workdays: Shows the deviation between the first delivery date the purchase order item/service was scheduled on, and the last date, in calendar / workdays.

The following new Template Displays have been added:

- Purchase Document Item Template: Delivery Date Changes
- Purchase Document Schedule Line Template.: Vendor Confirmation Changes

This will make it easy to identify those purchase document item lines (material/service/vendor combinations) which are replanned frequently. A root cause analysis provides insight into improvement possibilities, like vendor reliability issues or outdated master data.

Note: The same fields have been made available based on the SAP field Statistical Delivery Date [EKET-SLFDT]. This date is often used as the basis for vendor evaluation. It is changed in sync with the delivery date [EKET-EINDT] if you have not yet outputted the order. After the output, the statistical delivery date does not change automatically with a delivery date change.

End user - Fixes and improvements

O2C:/P2P: Better Understand Quantity changes in Purchase and Sales Orders

When tracking your purchase and sales orders, quantities often get changed. Quantity changes impact planning and material availability. To give you a better insight into the number of times the quantities are changed, and the timing of those changes, we have introduced the following new fields:

- Number of Quantity Changes: Shows the number of quantity changes. Object: SD/PD document changes
- Date of last Quantity Change: Shows the most recent date on which the quantity was changed. Object: SD/PD document changes
- Difference Order Due Date vs. Last date of Quantity Change: Shows the difference in period between the date of the last quantity change and the order due date. Object: SD/PD schedule line

The following new Template Displays have been added:

- Purchase Document Changes Template: PD Quantity Changes
- Sales Document Changes Template.: SD Quantity Changes

This enables you to identify those last minute' quantity changes that impact your planning and material availability. A root cause analysis provides insight into improvement possibilities in your supply and demand planning.

S2D: Getting insight in Batch Aging categories based on Manufacturing Days

To give you a quick insight into the aging of your batch stock, we have introduced two new fields in the object Batch:

— Batch Age: Shows the age of the batch in calendar days, calculated based upon the batch manufacturing date [MCH1-HSDAT]

— Batch Aging Bucket: Shows 'buckets' based on batch age: Within a Month, 1 - 3 Months, 3 - 6 Months, 6 - 12 Months, more than a year.

A new display *Batch Aging* has been added to the Batch Template to help you manage your batch stock.

Change Documents: Insight into the Type of Block Change

To help you with detailed analysis on your block changes on documents, a new field *Type of Block Change* has been added to the relevant change document objects. Block Change is a type of change in the Change Document module. Blocks can be **Set**, **Changed** or **Released,** for example as a delivery or billing block on your documents.

Change Documents: Detailed Insight in Planning and Date Changes

Planning changes are changes made to date fields in the SAP Change Header/Items. The field *Planning Type* lets you filter out these changes. To give you more insights into planning changes, the following fields were introduced in all our available change objects:

— Planning Change: The Planning Change field gives more information on the exact change that took place on the dates. Possible values are **Schedule In**, **Schedule Out** and **First Schedule**

— Old Date: The field from the change table that contains the old date as a date value.

— New Date: The field from the changes table that contains the new date as a date value.

— Days Difference: This field shows the number of days difference between the old date (the date before a change was made to it) and the new date (the newly set date in the change).

Earlier, these fields were available in the objects *Sales Document* and *Shipment Changes*. From this release, they are available in all change objects in the Change Documents module.

Master Data Changes: Track Shelf-Life Changes

To track changes made to the Material Shelf Life, the SAP field Total Shelf Life [MARA-MHDHB] is added to our module Material Changes (CDHDR/CDPOS).

S2D: Routing Operation reference to Purchasing Organization based on Task list

In the object Routing Operation, there is a reference available to the related Purchasing Organization. The Purchase Organization shown on your routing is now the same as you see it in the related SAP task list [PLPO-EKORG].

S2D: Insight into the Planning Time Fence Date

The *End of Planning Time Fence Date* field is now available in the object *Material on Plant Level*. The field is calculated using the MRP Date and the field Planning Time Fence which is maintained in the material master. The field can be used to display and understand the list of MRP items which are in or outside your Planning time fence.

In SAP, the Planning Time Fence specifies a period, (in workdays), within which changes to the master plan are made, based on the MRP Type of the material. End of Planning Time Fence Date is shown in the SAP Materials and Stocks Requirements List [MD04].

S2D: New reference added from object Routing Header

Two new references have been added to the object *Routing Header: Equipment and Functional Location*. This enables you to add detailed information from Equipment and Functional Locations related to your Routing Header.

O2C: Getting Insight into the status of Group Deliveries

When using Group Deliveries, you want to keep track of the status of these deliveries. A group delivery consists of multiple delivery lines. One single open delivery line can threaten the on-time delivery of all deliveries in the group. To provide the required insight to the status of Group Deliveries, the following fields are added to the object *Delivery Group*:

- Execution Status: Shows the execution status of the group delivery as one of the following: (Partially)Open, Closed, Cancelled.
- Earliest Order Due Date in Group: Shows the earliest delivery date from all related delivery headers in a delivery group [LIKP-LFDAT]
- Delivery Reliability: Shows the expected delivery reliability of the group delivery, based on Earliest Order Due Date in Group, as one of the following: Not-Critical, Critical, Late etc. Number Of Open Deliveries in Group: Shows the number of (partially) open delivery lines in a delivery group.
- Number Of Closed Deliveries in Group: Shows the number of closed delivery lines in a delivery group.

In the Group Delivery template, both displays *Basic List* and *Delivery Groups Last 3 Months* are updated to give you a quick start using these additions.

MDM: Added SAP Documents Long Text to Documents

Within SAP, multiple document types can be created and maintained, like Packaging Instructions, Engineering Descriptions/Drawings, Recipe documents and so on. In AgS, you can use the object 'Document Object Links' to manage these document types. Different objects like Materials, BOM Headers, Equipments, Notifications, Workorders can be related to these document types. In this release, a new field is added to the object Document Object Links: Object link long text [STXH-DRAD], making the related long text available.

To make this field available, the module Long text DocumentObjectLink (STXH/DRAD) must be activated in the workbench.

Fixed issues

Quantity Conversion Issue

The existing issues with quantity conversion have now been fixed. When the required data is available for the conversion, the conversion will now be executed correctly.

PD Schedule Line data contains duplicates for ID/Order Number

A few cases of PD Schedule line with duplicate ID or Order numbers were noticed. This issue is now fixed.

O2C Order Related Billing / Down Payments supported in SD Schedule Line

SAP supports a scenario called *order related billing* where billing is not triggered from the goods issue of a delivery but directly from the order. This scenario is often used for sales orders related to projects and services, where billing often is related to agreement on phases and parts completion. AgS already showed down payments as a special type of billing document, but it was not yet part of the SD schedule line logic.

The following fixes and improvements are available to support order-related billing and down-payments:

- Include down payment in creation of SD schedule lines
- Billing documents not relevant for AR ('statistical' billing document) are visible as separate SD schedule lines, but with quantity and sales value = 0.
- The quantity of SD schedule lines based on value of order-related billing, is based on the percentage of the value of the SD item that is billed. As a result, the sales value in case of multiple partial billing documents is now correct.

- New property field, Invoiced % is added to the SD/PD schedule line objects. This field shows the percentage of the ordered value which has been invoiced, allowing you to stay in control on down payments.

S2D Scheduling Agreements, difference in status SD schedule lines AgS and SAP MD04

In AgS, forecast schedule lines were not linked to the delivery notes. As a result, some SD schedule lines were incorrectly shown with status Open. This issue is now resolved.

O2C Sales document schedule lines results incorrect in specific customer return scenarios

In the scenario of third-party returns, the returns were not handled correctly by our SAP SD schedule line logic, leading to incorrect results on schedule lines. This issue is now resolved. The following changes have been made to the logic:

Angles for SAP now uses the SAP field VBFA-PLMIN (ignore follow-up when not relevant for the sales document status change). When a follow-up document has no impact on the status of the sales document, it is no longer included in the creation of the SD schedule line.

Contract Open Quantity with Quantity of Return is larger than the Quantity of Contract Release. For a contract follow-up 'release orders' are created that 'close' the contract and reduce the open quantity of the contract. However, when returns are created, the open quantity of the contract is increased again with the quantity of the return.

In exceptional situations the sum of the quantity of the returns can be larger than quantity of contract releases. In this situation, the open contract quantity is higher than the initial contract quantity. This specific scenario is now also supported by Angles for SAP, showing the correct open contract quantity (like SAP VA43 does in the item status).

Fixed Clover vulnerability

Applied CloverDx update to mitigate security vulnerability: [Clover Security Advisory source](#).

S2D Warning 'No consumption found for MaterialOnPlantLevel'

The following warning was seen in the serverlog, 'No consumption found for MaterialOnPlantLevel', because no consumption mode could be derived from SAP (no configuration available in SAP). When no consumption mode is configured in SAP, a Fallback Backwardconsumption mode 999 days is used. AgS logic has been changed accordingly to replicate this SAP behavior.

Note: In case there are any materials on plant level for which no consumption mode can be found, the server log will still contain a message (no warning), like '100-300/3000, will use the SAP default backward consumption with backward consumption period 999 days'. This will message will only indicate the first material of all materials using the fallback. To get a complete

overview of your SAP consumption mode configuration, you can create an angle on the object *Material on Plant Level fields Consumption Mode* [MARC-VRMOD], *Bwd consumption per* [MARC-VINT1] and *Fwd consumption per* [MARC-VINT2].

End user -Fixes and improvements

S2D: Fix for Angles on object Stock showing no results for specific filters

In 2020SP9, support was added for new special stock categories SOBKZ = B, C, F, I, J, R, T andY. As a result of this change, Angles on the object *Stock* shows no results when filtering on Stock Type value *Stock in Transfer (Plant-->Plant)*. No angle warning will be shown, only the result will change. To fix this, an alternate angle filter is created. When applicable, this angle filter is automatically replaced by the new alternative *stocktype = "Stock in Transit" and Stock Status = "In Transfer (stor.loc. → stor.loc.)*, giving the same result as before.

Fixed issues

S2D Planned Independent Requirements (PIR) consumption logic improvements
In SAP, planned independent requirements (PIR) are used as forecast during MRP-run. These PIRs can be consumed by open requirements to prevent duplicate requirements (= forecast +actual requirements).

The remaining open PIR quantity is shown as the requirement in MD04, and is included in SAP, in MRP-planning and in A4S, in Supply/Demand matching. The results of the consumption logic of the PIR can be seen using SAP transaction MD73. To improve our Supply/Demand matching logic, we have made the following changes:

- PIR consumption by Phantom Reservations is now supported. This is used in combination with specific values of the Mixed MRP-indicator.
- PIR consumption logic that is using customer specific configuration defined in BADI (consumption indicator = 4 "Flexible planning/BADI") is now supported
- Special scenarios in SAP regarding PIR consumption are now supported to better reflect the PIR consumption in SAP MD04/MD73