

# Angles for SAP Release Notes

*Version: 22.3*

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## End user – Highlights

### F2R: Better understand changes made to Assets

Has the value of assets been changed? Are there any assets de-activated? Who changed the date of capitalization? These and many more questions may arise when doing your internal control checks. All the information needed to answer these asset change questions is stored in the change documents in SAP. To make this information easy to access and use, we have added a new change data object including the related references to our A4S model: *Asset Changes [Object class: ANLA]*

This object contains the most common tables and fields for this area. Since the amount of changed data can be substantial, we have made it possible to customize the data you need for your business processes. The different change objects can be activated or deactivated, including their underlying tables and fields. This way, you can limit the amount of data to be loaded, while answering all your SAP change related data questions. This can be customized by your consultant at upgrade, by A4S functional support, or by your own A4S administrator.

Summary of the tables included in this accounting document change object:

ANLA	Tables	Description
<b>Asset Changes</b>	ANLA	Asset Master Record
	ANLB	Depreciation terms
	ANLC	Asset Value Fields
	ANLH	Main asset number
	ANLZ	Time-Dependent Asset Allocations
	ANEP	Asset Line Items

### S2D: Better understand changes made to Bill of Materials

Which Bill of Material (BOM) has been changed? Are new BOM items added to BOM's? Are all required BOM changes made in all Companies/Plants? These, and many more questions may arise when doing you are maintaining your BOM data. All the information needed to answer these BOM change questions is stored in the change documents in SAP. To make this information easy to access and use, we have added a new change data object including the related references to our A4S model: *BOM Changes [Object class: STUE]*

This object contains the most common tables and fields for this area. Since the amount of changed data can be substantial, we have made it possible to customize the data you need for your business processes. The different change objects can be activated or deactivated, including their underlying tables and fields. This way, you can limit the amount of data to be loaded, while answering all your SAP change related data questions. This can be customized by your consultant at upgrade, by A4S functional support, or by your own A4S administrator.

Summary of the tables included in this accounting document change object:

STUE	Tables	Description
BOM Changes	STKO	BOM Header
	STPO	BOM Item

### O2C: Better understand changes made to Customer Data

Is there a central delivery block activated for a customer? Who has changed the terms of payment? Which Incoterms have been updated? These, and many more questions may arise when you are maintaining your Customer Master Data. All the information needed to answer these customer master change questions is stored in the change documents in SAP. To make this information easy to access and use, we have added a new change data object including the related references to our A4S model: *Customer Master Changes [Objectclass: DEBEI]*

This object contains the most common tables and fields for this area. Since the amount of changed data can be substantial, we have made it possible to customize the data you need for your business processes. The different change objects can be activated or deactivated, including their underlying tables and fields. This way, you can limit the amount of data to be loaded, while answering all your SAP change related data questions. This can be customized by your consultant at upgrade, by A4S functional support, or by your own A4S administrator.

Summary of the tables included in this accounting document change object:

DEBEI	Tables	Description
Customer Changes	KNA1	Customer Master (General)
	KNB1	Customer Master (Company Code)
	KNVA	Customer Master (Unloading Points)
	KNVI	Customer Master (Tax Indicator)
	KNVK	Customer Master (Partner Functions)
	KNVP	Customer Master (Contact Partner)
	KNVV	Customer Master (Sales Data)

### P2P: Better understand changes made to Purchasing Info Records

Are planned delivery times changed for my vendors? Who has changed the minimum order quantity? Are all required Purchase Info Record changes made in all relevant Purchasing Organizations? These, and many more questions may arise when you are maintaining your Purchasing Info Record Data. All the information needed to answer these change questions is stored in the change documents in SAP. To make this information easy to access and use, we have added a new change data object including the related references to our A4S model: *Info Records Changes [Object class: INFOSATZ]*

This object contains the most common tables and fields for this area. Since the amount of changed data can be substantial, we have made it possible to customize the data you need for your business processes. The different change objects can be activated or deactivated, including their underlying tables and fields. This way, you can limit the amount of data to be loaded, while answering all your SAP change related data questions. This can be customized by your consultant at upgrade, by A4S functional support, or by your own A4S administrator.

Summary of the tables included in this accounting document change object:

INFOSATZ	Tables	Description
Info Records Changes	EINA	Purchasing Info Record (General)
	EINE	Purchasing Info Record (Purchasing Org.)

### S2D: Getting insight in BOM Items linked to a Routing/Operation

Manufacturing companies will create master data to run their manufacturing process. To run a production order at least Bill of Material - and Routing data needs to be present in SAP. In creating Routing (e.g. Operation) data, the link to a BOM-Item can also be entered or maintained. With this information, planning departments can efficiently maintain their master data and assess at which moment of the process a material must be available.

To provide this insight we have added a new object to our model: *BOM Operation Link [PLMZ]* and added references to the objects: BOM Header/Item, Routing Header/Operation. Additional properties are added to improve insight the valid from date and the number of links (active or non-active).

### P2P: Better understand changes made to Vendor Data

Are Vendor Terms of Payment changed? Who has changed the Vendor Master Bank details? Are all required Vendor Master changes made in all relevant Companies / Purchasing Organizations? These, and many more questions may arise when you are maintaining your Vendor Master Data. All the information needed to answer these vendor-change questions is stored in the change documents in SAP. To make this information easy to access and use, we have added a new change data object including the related references to our A4S model: *Vendor Master Changes [Object class: KRED]*

This object contains the most common tables and fields for this area. Since the amount of changed data can be substantial, we have made it possible to customize the data you need for your business processes. The different change objects can be activated or deactivated, including their underlying tables and fields. This way, you can limit the amount of data to be loaded, while answering all your SAP change related data questions. This can be customized by your consultant at upgrade, by A4S functional support, or by your own A4S administrator.

Summary of the tables included in this accounting document change object:

KRED	Tables	Description
Vendor Changes	LFA1	Vendor Master (General)
	LFB1	Vendor Master (Company Code)
	LFBK	Vendor Master (Bank Details)
	LFBW	Vendor Master (Withholding Tax Types)
	LFM1	Vendor Master (Purchasing Organization)
	LFM2	Vendor Master (Purchasing Data)
	KNVK	Customer Master Contact Partner

### System Insights/EA4IT: Getting insight into A4S System- and Model Roles

To improve your control on the A4S system we have added some new insights on A4S System- and Model Roles to the System Insights / EA4IT model. A4S System- and Model Roles are created and maintained in the management console. The Roles are used to customize the authorization of A4S users to your requirements. There are many often detailed ways the ways the authorization can be configured, for example, using objects, fields, filters and so on. To keep a good overview on the roles available per model in your management console we have added the following new objects to the system insights model:

- System Roles: A4S System roles and related privileges.
- Model Roles: A4S Model Roles and related privileges.
- Model Role Labels: Detailed privileges as specified per Model Role Label
- Model Role Objects: Detailed privileges as specified per Model Role Object
- Model Role Fields: Detailed privileges as specified per Model Role Field
- Model Role Filters: Detailed privileges as specified per Model Role Filter

All objects are imbedded in our model allowing you to start your analysis on objects User > User on Role > System Role or Model Role to Model Role Labels / Objects / Fields / Filters. This gives insight into the most detailed level of the A4S user authorization, enabling you to answer and resolve any authorization questions / issues in an efficient manner.

### Batch Management - Quantity at Risk

We have added the following enhancements to our Batch Management - Quantity at Risk functionality:

- The logic to for fields SLED Allocation Status and Quantity at Risk have been improved. The logic is explained in detail in the revised help-text.

- A special template (Batch Management - Quantity at Risk) has been introduced to indicate any current or future issues around obsoleted batch stock.

The optimized fields and new template will provide you with an immediate insight into the risk that batch stocks might perish before consumption or delivery. With this insight preventive actions can be planned and executed to mitigate this risk. For example, by creating additional demand, replanning requirements dates and reallocation of batch stock.

## End user - Fixes and improvements

### S2D: New references added from Routing Header to Work center and Assembly

New references have been added from the object *Routing Header* to the objects *Workcenter* [*Workcenter for capacity planning*, PLKO-ARBID] and *Assembly* [*Assembly* PLKO-ISTRU]. When creating analysis on Routing Header data, Workcenter and Assembly data have now become available for detailed analysis. This will further extend the flexibility of the A4S model to answer all kinds of different business questions.

### Additional Alternative Unit of Measure Metric Ton (MT)

The alternative unit of measure MT (Metric Ton) has been added to the A4S model. This will enable you to show total quantities in this alternative units of measure as well.

### O2C: Getting Insight in all Handling Units in Deliveries

New sublists from the object Delivery Item and Header to the object Handling Unit Header and item have been added to the Angles for SAP model. With these sublists, you can expose all handling units related to your deliveries. And if you want to trace a specific Handling Unit number, you can now use the new reference to the delivery item / header. On Delivery Item level we added two new property fields # Handling Unit Header / Item. This will make it easy to identify on delivery item header/item level if and how many handling units are related to any delivery item header/item.

### P2P: New reference from Purchase Price Conditions to Company Code and Purchasing Organization

New references have been added from the object Purchase Price Conditions to the objects Company Code and Purchasing Organization. This will enable aggregations on Company Code and Purchasing Organization.

### P2P: new reference from Info Record Changes to Company Code and Plant

To create a more detailed analysis on your Purchase Info Record Changes as part of the Module Change Documents 2.0. We have created two new references for the objects Company Code and



Plant. With these references you can filter on changes made for In Purchase Info Records for specific Companies and/or Plants.

#### P2P: Purchase Document Changes; Reference added to Plant

To simplify analysis on large quantities of purchase document change data, we have added a reference field 'Plan' to the related Plant object. Users are now able to display sub selections of change data using Company and or Plant.

#### System Insights: Newfield SAP Run Duration added to the object Extraction Tables

To improve the analysis and control on the extraction process, we have added a new field to the object Extraction Tables called: SAP Run Duration. This field shows the Total Job Duration in seconds of each individual SAP Extraction Table.

#### P2P: Getting insight in Withholding Tax Type for Vendor on Company Codes

Withholding Tax is an Tax Type allocated to specific types of vendor in order to manage tax collections. Vendors subject to withholding tax have the tax portion of their payment 'withheld' and collected by the paying company. We have introduced a new object: Vendor Withholding Tax Type [LFBW] with a reference to the object Vendor on Company Code Level. [LFBW]. This will provide you the insight into this tax control master data and will enable better control on the correct booking of purchase document lines subject to withholding tax.

#### P2P: Getting insight in Delivery Priority of purchase order items

In SAP it's possible to set delivery priority on purchase order lines. We have added the field delivery priority [EKPV-LPRIO] to the object PD-Item. This will give the possibility to create insights in the processing of purchase order items based upon delivery priority.

#### P2P: Getting insight into Purchase Document Release Strategies

In SAP, a release procedure for purchase documents can be customized. It will reflect the authorization policy for buying goods externally. When using the release strategy, sometimes issues can occur, like unnecessary long lead times in releasing, unauthorized persons in releasing a PO, etc. We have introduced a new object in our Angles for SAP model: Release Strategy based upon SAP table SAP Release Strategies [T16FS] and created references from the objects Purchase Requisitions and Purchase Document Header to this new object. You can now add the person responsible for releasing and the specific release schedule to your purchase requisition/order analysis. Enabling you to identify, prevent and resolve issues/delays in the release process.

### O2C: Sales Document Changes; new references added

To improve the insight in sales document changes we have added new references to the object Sales Document Changes:

- Material on Plant Level
- Material on Sales Level
- Plant

### S2D/PM: New references added from object Routing /Operation to the objects Header/Item and Functional Location

New references are added from the object Routing / Operation to objects. This will further extend the flexibility of the A4S model to answer all different types of business questions like:

- Which operations are externally procured and covered by a Purchase Outline Agreement?
- Which functional locations are maintained in which maintenance operation?

### MDM: Additional Alternative Unit of Measure Metric Ton (MT) and Ton (US TON)

The alternative unit of measure MT (Metric Ton) and and Ton (US TON) have been added to the A4S model. This will enable you to show total quantities in these alternative units of measure as well.

### Change Documents: Insight in Type of Change

We have now made the Type of Change field general applicable to all Change Document objects. The logic to determine the Type of Change is based upon the SAP Data Type field. With the type of change fields, you can easily identify the following changes:

- Planning Changes - Date/Time
- Planning Changes - Quantity
- Price or Currency Changes
- Block Changes
- Partner Changes
- Rejection Changes

The type of change field was already available in the A4S model but only applicable to Sales / Purchase document changes, this field can now be used for analysis on all Change Document objects.

## System Insights: New fields give insight in specified download locations of Automation Tasks Actions

To improve the control on the Angle Exports / Automated Tasks Actions we have added two new fields to the object Automation Task Actions:

- Data Store Folder: The default storage location for the datastore can be specified in: Angle Exports > Datastores.
- Subfolder download location: The optional subfolder can be specified in the related automated task action. Consequently, you can use different subfolders for different actions while reusing the same datastore location.

With these fields you can stay in control of the locations A4S data is exported to. In the template Automated Tasks Actions, a new display is added '*Data Export Locations per User*' to give you the required insight.

## F2R: Insight in Payment Runs to optimize cash flow

If you have several house banks that you can use for your payment transactions and have limited funds in these accounts, you will have to plan the cash balances available for each bank account and specify the ranking order by which the program is to use these accounts. In addition, because there are several house banks available to the payment program you have to enter the order in which the bank accounts are selected. We have introduced a new object in our Angles for SAP model: Payment and Discount Run based upon SAP tables Settlement / Processed data from payment program [REGUH/REGUP]. This will provide you the insight in your payment run proposals and executions. By making the cash discount and invoice details available in this object it will enable you to maximize the cash discount taken while optimizing your cash flow.

## Fixed issues

### QM Basic module: incorrect results in QM property fields

Incorrect logic on SAP Inspection Characteristic Master Table, Field Control Indicators [QPMK-STEUERKZ], could result in incorrect dependent QM property fields, when first position of the field Control Indicators is blank [QPMK-STEUERKZ]. This has now been resolved.

### P2P: Wrong PD schedule lines using (inbound) delivery note numbers (order due date & execution status)

SAP uses (inbound) delivery note numbers to link to PD Schedule lines. This was not part of the Angles for SAP PD schedule line creation logic yet, leading to the incorrect coupling of data, some execution statuses, and due dates of PD schedule lines. This has now been resolved. As a result, Angles for SAP will show improved schedule line creation, statuses and ONC matching result. RETPO is a standard field within SAP Table EKPO that stores Returns Item information.

Fixed: Conversion from CAD to USD and VND to USD doesn't match with TCURR (Financial Value)

Standard SAP logic as specified in the SAP ABAP code base has been introduced. As a result, A4S currency-conversion now follows the same currency conversion logic as SAP itself, matching the TCURR (Financial Value).

Wrong ordered value & received/invoiced value

Incorrect logic on applying currency conversion factors [TCURF] could result in incorrect values for Historic Purchasing Document Data [EKBE] and Sales Document Flow data [VBFA] based values. This has now been resolved.

DC to LC Currency Conversion incorrect when decimal correction and TCURF- TFACT=1000

The currency conversion from Document Currency to Local Currency was incorrect when both: decimal correction (TCURX) and TCURF-TFACTOR is applying a factor. This has now been resolved.

Currency Conversion Issues

In SAP many fields are defined as currency. A4S used to have customized currency conversion logic to calculate from document currency to local-/user currency. Some specific scenarios were not supported by this customized logic, resulting in different currency values compared to SAP. This customized currency conversion logic is now replaced by the standard SAP logic as specified in the SAP ABAP code base. As a result, A4S currency- conversion now follows the same currency conversion logic as SAP itself, including all specific scenarios. Currency values displayed in A4S can be impacted by this change. All changes will be improvements, now reflecting the same currency values as in SAP itself.

## IT user - Fixes and improvements

P2P/O2C: Delta Condition added to SAP Pricing Conditions KONV\_M (or PRCD\_ELEMENTS)

To optimize the required refresh time of your A4S model we have added an additional delta condition on SAP Pricing Conditions KONV\_M (or PRCD\_ELEMENTS). This is often a very large table to load. By using this delta condition, you can now reduce your refresh time on this table.