Angles for SAP Release Notes

Version: *2020SP5*

Contents

End user – Highlights

O2C: Better Understand Changes made to Billing Documents

On which orders has a billing block been set or removed? What was the reason for the billing block which was set or removed? These, and many more questions arise daily when managing your daily operations. All the information needed to answer these billing document 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: *Billing Document Changes* [Objectclass: FAKTBELEG]

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 billing document change object:

FAKTBELEG	Tables	Description
Billing Document	VBRK	Billing Document Header
Changes	VBRP	Billing Document Item

F2R: Better Understand Changes made to Accounting Documents

On which orders has the payment term been changed? Who changed the Payee on my Accounting Document? On what documents has the GL account automatic posting only indicator been changed? These, and many more questions arise on a daily basis when managing your daily operations. All the information needed to answer these accounting document 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: *Accounting Document Changes* [Objectclass: BELEG]

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:

BELEG	Tables	Description
Accounting Document Changes	BKPF	Accounting Document Header
	BKDF	Document Header Supplement for Recurring Entry
	BSEG	Accounting Document Segment
	BSEG_ADD	Entry View of Accounting Document for Additional Ledgers
	BSET	Tax Data Document Segment
	BSEC	One-Time Account Data Document Segment
	BSED	Bill of Exchange Fields Document Segment

Supply - Demand Matching, offering customized solutions to complex supply chain questions

Angles for SAP Supply - Demand Matching offers you the possibility to analyze dependencies in your supply chain. It provides direct insight into the consequences of delays in your supply chain and their potential impact on customer deliveries / satisfaction. This powerful Angles for SAP Supply - Demand Matching functionality has now been enriched with extra configuration options to answer all your specific Supply - Demand questions. Customizations can provide answers to questions like.

- Which customers/orders are dependent on a specific delayed purchase order or work order?
- Which vendors are delivering parties for a specific sales order, multi-level?
- Which semi-finished products are required, multi-level, to deliver a specific sales order?
- Are all key components available to start a work order?

Moving this functionality from code to configuration has made it more versatile, more dynamic. Now you can create value from insight into multiple complex supply chain scenarios!

O2C: Better Understand changes made to critical data in Sales Orders; Planning, Quantity, Price, Block, Partner, and Rejection

What critical changes impact the successful delivery of my sales orders? Have there been any planning changes? Have there been any price changes. Or maybe my order got blocked or rejected? These, and many more questions arise daily when managing your daily operations. To make this information easy to access, we have introduced new fields in the object *Sales Document (SD) Changes*. These new fields will give you a direct insight into the most critical changes made to your orders. The fields can be added to your Angles and Dashboard and can be of great value when you create exception reporting on these fields. The following fields have been introduced:

- Type of Change: this field shows the different types of critical changes that occur on sales documents. The following critical sales order changes are identified: Planning changes both quantity and date, Price Change, Block Change, Partner Change and Rejection. When selecting based on the type of change, it is possible to drill down to the details of the specific change.

- Quantity Change: This field indicates whether the Sales Order quantities have increased (Up) or decreased (Down). These types of changes can have consequences for the planning and/or stock levels.
- Planning Change: The Planning change field gives more information on the exact change that took place on the planned goods issue date. Going back into time, the value will be IN (schedule in). When the date is pushed out to a later date, then the value will be OUT (schedule out)
- Price Change: This field indicates whether the price in Sales Orders has increased (Up) or decreased (Down). These types of changes will have consequences for the resulting margin.
- Block Change: This field provides more detailed information on the type of Block Change. Possible values are Billing block set, Billing block release, Delivery block set and Delivery block release.

SCM: New Supply Chain Management Operations Dashboard to provide actionable insight into your supply chain operations

The new SCM Operations Dashboard will provide you with a detailed status overview of all crucial sub-processes in your supply chain that require your daily operational attention. It provides actionable insights, so that you can act on potential issues endangering your entire supply chain.

The purpose of this new Dashboard is to provide you with immediate answers to questions like.

- Are all necessary and obligatory orders released according to the requirements?
- Could delivering orders endanger the deliveries to the customer?
- What is the current high priority back orders that require attention?
- What is the expected workload for (internal) logistics based on the planning?

Note: The standard Dashboards will give you a jump start when creating your own customized Dashboards to stay in control of your own business processes. When creating your own customized Dashboards (adjust/add widgets, customize scaling), make sure that you create your own copy of the standard business Dashboard. When opening a Dashboard, it will not, unlike Angle Templates, create an automatic copy (with the prefix 'Based on'). You must create that yourself.

Overwriting standard business Dashboards can be prevented at upgrade when the Dashboards are authorized as view-only. Authorization can be set by Magnitude Consultancy/Support, or by your system administrator.

Restyled application in line with Magnitude branding

The platform has been restyled completely as a part of the newly introduced Magnitude corporate identity and branding. The old application name, Every Angle, has been replaced with Angles for SAP (or A4S, for short).

End user - Fixes and improvements

Translations for 2020 SP4

This update contains translations of all texts added or changed in 2020SP4. The following short and long names have been changed:

Old English long name	New English long name
Account Determinations FI-MM Credit	Account Determinations Financial Material Management Credit
Account Determinations FI-MM Debit	Account Determinations Financial Material Management Debit
Affects Renumeration Flag	Affects Remuneration Flag
Amount Adjusted in Profit Center Currency (ƒ-PCC)	Amount Adjusted in Profit Center Currency
Amount in Second Local Currency (ƒ-LC2)	Amount in Second Local Currency
Amount in Third Local Currency (ƒ-LC3)	Amount in Third Local Currency
Breakdown Duration SAP unit	Breakdown Duration SAP Unit
Costs Adjusted ƒ-CC	Costs Adjusted Controlling Area Currency
Old English short name	New English short name
Additional Payments [0015]	Additional Payments
Addresses [0006]	Addresses
Affects Renumeration Flag	Affects Remuneration Flag
Amount Adjusted in ƒ-PCC	Amount Adjusted in PCC
Amount in ƒ-LC2	Amount in LC2
Amount in ƒ-LC3	Amount in LC3
Amount in ƒ-PCC	Amount in PCC
Bill Creator is SD Creator	Bill Creator is SO Creator
Costs Adjusted ƒ-CC	Costs Adjusted CC
Old German short name	New German short name
Rabattbetrag-Frist 2 in Belegwährung	Rabattbetrag-Frist 2 in BW
Employee Org. Assignment	MA Org Zuordnung
Mitarbeiter Planstelle Zähler	MA Planstelle Zähler
Erwartetes Wareneingangsdatum	Erwartetes WE-Datum
Old French long name	New French long name
Modifs Directes aux Tables	Modifications Directes aux Tables
Old French short name	New French short name
% Mal Moy [Jr] Ms Prc An Pass	% Mal Moy [Jr] Ms Prc An Pas
Val Corr du 1 Critère d'Éval	Val Corr 1. Critère d'Éval
Val Corr du 2 Critère d'Éval	Val Corr 2. Critère d'Éval
Val Corr du 3 Critère d'Éval	Val Corr 3. Critère d'Éval
Val Corr du 4 Critère d'Éval	Val Corr 4. Critère d'Éval
Val Corr du 5 Critère d'Éval	Val Corr 5. Critère d'Éval

Val Corr du 6 Critère d'Éval	Val Corr 6. Critère d'Éval
Code : Calcul du Coût de Revient	Code : Calcul Coût Revient
Modifications de Document de Livraison	Modifs Document de Livraison
Montant Remise Durée 2 en Devise du Document	Montant Remise Durée 2 DD
Salarié Affectation Assignment	Salarié Affectation
Date d'Entrée Marchandises Prévue	Date Entrée March Prévue
Old Dutch long name	New Dutch long name
Kortingsbedrag Termijn 2 in Documenvaluta	Kortingsbedrag Termijn 2 in Documentvaluta
Old Dutch short name	New Dutch short name
Voorraad < Veiligh.voorraad	Voorraad < Veiligh.voorr
Eenmalige Toelagen [0015]	Eenmalige Toelagen
Type Leveringingsbevestiging	Type Leveringsbevestiging
1e Beoordelingscrit Corr.wrd	Corr.waarde 1e Beoord.crit
2e Beoordelingscrit Corr.wrd	Corr.waarde 2e Beoord.crit
3e Beoordelingscrit Corr.wrd	Corr.waarde 3e Beoord.crit
4e Beoordelingscrit Corr.wrd	Corr.waarde 4e Beoord.crit
4e Beoordelingscrit Corr.wrd	Corr.waarde 4e Beoord.crit
5e Beoordelingscrit Corr.wrd	Corr.waarde 5e Beoord.crit
6e Beoordelingscrit Corr.wrd	Corr.waarde 6e Beoord.crit
Leveringsdocument Wijzigingen	Leveringsdoc Wijzigingen
Kortingsbedrag Termijn 2 in	
Employee Org. Assignment	Medewerker Org Ind
Verwachte Goederenontvangstdatum	Verwachte GO-datum
Old Spanish short name	New Spanish short name
Pagos Adicionales [0015]	Pagos Adicionales
Valor Corr Criterio Calif 1.	Valor Corr Crit de Calif 1
Valor Corr Criterio Calif 2.	Valor Corr Crit de Calif 2
Valor Corr Criterio Calif 3.	Valor Corr Crit de Calif 3
Valor Corr Criterio Calif 4.	Valor Corr Crit de Calif 4
Valor Corr Criterio Calif 5.	Valor Corr Crit de Calif 5
Valor Corr Criterio Calif 6.	Valor Corr Crit de Calif 6
Con Créd Antes/Sin Devol Merc	Con Créd Antes/Sin Devo Merc
Horas Planificadas Acumuladas	Horas Planificadas Acumulad
Importe Descuento Período 2 en Moneda	
Empleado Asignación Org Assignment	Empleado Asignación Org
Fecha Entrega de Mercancías Prevista	Fecha EM Prevista

P2P: Getting in control of your blocked purchase requisitionsBottom of Form

Purchase requisitions can cause issues for a timely supply of your demand or can create pollution when obsolete. Angles for SAP now provides insight into the cause of these potential issues. There are two reasons why requisitions can be blocked.

- The release process has not been initiated yet. The SAP Release indicator has status S blocked (EBAN-FRGKZ)
- The requisition has been blocked by the requester. The SAP Blocking indicator has status 1 Blocked by Requester (EBAN-BLCKD)

Whether a requisition is blocked is not shown in the SAP Stock / Requirements List (MD04). Because Angles for SAP aims to provide this valuable insight, the field 'Order Status PRQ' in the object 'Purchase Requisition' has been enhanced with a status 'Blocked' for both instances. For more insight into the SAP controlling fields, the default download has been extended with the SAP fields Blocking Indicator (EBAN-BLCKD) and Blocking Text (EBAN-BLCKT). The field Release Indicator (EBAN-FRGKZ) was already available in the default download.

QM/P2P/S2D: Improved analysis on Quality Inspection Lots

To get insight into the manufacturer information, a new reference 'Manufacturer' has been added from the object *Quality Inspection Lot*. This reference shows the manufacturer of the Quality Inspection Lot and gives access to information related to this manufacturer [LFA1]. This will give you the opportunity to create an analysis of the performance per manufacturer (e.g. number of QI lots rejected last year), with all related detailed data on Quality Inspection Lot to drill down to.

O2C: new reference added from Delivery Item to Material Warehouse

A new reference from the object *Delivery Item* to the object *Material Warehouse* has been added to the Angles for SAP model. Starting from delivery item, you can now expose any related material warehouse information on master data level (like Stock removal and Stock placement). This way, the master data can be checked together with the transactional information.

QM: new fields '# Notifications Last Year' and '% Overdue Notifications Last Year'

The new fields *# Notifications Last Year* and *% Overdue Notifications Last Year* have been added to the objects *Material, Material Plant, Vendor,* and *Vendor on Purchase Organization*. Both fields can be used as an indicator (k)pi, for improvement potential.

- Number of # Notifications last year: This field shows the total number of notifications that have been created in the past 365 days.

- % Overdue notifications last year: This field shows the percentage of overdue notifications in the last 365 days, based on the Creation date. This is a percentage of the total number of notifications in the last 365 days.

QM: new fields added to calculate the percentage of returns per Vendor or Customer

For both Vendor and Customer, new fields have been introduced in the object *Material-Plant* to calculate the percentage of returns based on total volume received / shipped. These fields can be used as an indicator (k)pi, for improvement potential. The following fields have been added:

- Vendor / Customer Returns Quantity Last Year: This field shows purchase document item quantity returns in the last 365 days, based on the creation date of the purchase / sales document.
- Vendor Purchase Quantity Last Year: This field shows the total purchase quantity in the last 365 days, based on the creation date of the purchase/ sales order.
- Vendor / Customer Returns Percentage: This field shows the percentage of rejected purchase / sales quantity in the last 365 days, based on the realized finish date.

EA4IT: Introduction of execution count categories

When creating a pivot on the execution count of Angles or Displays, a bucket size can be specified. This bucket size is always evenly distributed. For example, if the bucket size is 10, the buckets will be 1-10, 11-20, 21-30. This is not always the most effective way to analyze the execution frequency. For this reason, a new field has been introduced: Execution Count Category. The execution count is represented in non-evenly distributed categories: 0, 1-5, 6-10, 11-25, 26-50, 51-100, 100+. This is useful when creating aggregated pivots or Dashboards.

Fixed the scenario where a user opens the field chooser to add a field, right after he logs on to the system, the field chooser becomes unresponsive.

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P2P: Jumping from PD schedule line to delivery item now shows correct selection fields

The Jump option from PD Schedule line to Delivery Item gave too many select field options. It was possible to select non-existing fields. This has been fixed, and only valid select field options are shown.

O2C: Open SD Schedule Lines no longer missing

In the specific scenario where the quantity of a SD schedule line is 0, the SAP status = Open, and a reversal / reverted schedule line exists, the open schedule line was missing. This has now been solved.

Updated product name in documentation

The product documentation has been updated to reflect the name change of the product from Every Angle to Angles for SAP.

O2C: Showing the correct return orders related to a quantity contract

In Angles for SAP, you can follow up on the status of your quantity contracts. Also, return orders influence the open / closed quantity of a contract. In some cases, return orders were not linked to the correct related contract. This logic has been improved to solve the issue.

Detailed analyses can be performed by using the ready-to-use Template for sales contracts; call off and return orders can be found in the reference Follow Up SD item. The execution status for returns will show Reversal/Reverted, so you know which quantities are relevant in the return process.

00335281 Filtering on special character in text filter doesn't work

If the field values contain special characters like å, ä, ö etc. and a text filter is applied containing these special characters, the result incorrectly returned empty. This has now been resolved, and filtering on special characters is now working correctly.

O2C: 303307300 - Correction of sales documents when currency in the document flow is different from document currency

The Angles for SAP (A4S) logic used to assume that the currency that is used and stored in the document flow (VBFA-WAERS) is equal to the document currency of the related sales document (VBAK-WAERK). However, this is not always the case, since sales orders can be created in currencies that are different from the company code currency. As a result, Angles for SAP could show incorrect SD schedule lines, and wrong values. This has been fixed as follows: A4S now first reads the currency as stored and used in the document flow. Then it checks if this currency is the same as the currency of the sales document itself.

− If it is the same, it uses the value as the one stored in the document flow without conversion (= old logic).
− If it is not the same, then A4S:

Looks up the value and the currency of the following document itself (e.g. check the currency of the call-off order itself), and Checks if the currency of the follow-up document is equal to the sales document currency.

− If yes: A4S uses this value as defined in the follow-up document itself.
− If no: A4S converts the value as stored in the document flow to the document currency, and then uses the resulting value in the creation of the SD schedule lines.

As a result of this change, the core value fields of SD schedule lines as sales value and margin have been corrected in the relevant scenarios.

Angles with non-existing labels can be uploaded

Previously, uploading an Angle would fail if it had non-existing labels. You had to manually modify the Angle to fix that before uploading. Now, missing labels will be ignored if they are encountered during upload. That makes it easier to re-use an Angle without having to manually modify the definition.

IT user - Usability improvements

Improved error message for ini parse errors

When an error occurs during parsing of configuration, the error message now contains the name of the `ini` section, and the contents of the line being parsed when the error occurred.

IT user - Fixes and improvements

Performance Improvement of the evaluation of three types of calculated functions (Delphi)

The performance of the evaluation of three types of calculated functions has been improved, since evaluation of the arguments for these functions could stop once an argument is encountered that evaluates to TRUE.

– For *SelectEnumValue* and *SelectEnumValueReversed*, the enumerated value that corresponds with that argument is returned.
– For the OR function, True is returned at the first encounter of an argument that is True. These changes give a slight performance improvement for all three functions, since arguments that are not used for the determination are not evaluated anymore.

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Solve Angle warnings with forwarding rules of previous releases

Angles for SAP consultants can now solve Angle warnings caused by upgrades automatically. The Angle warnings tool is part of the IT Management Console and will use forwarding rules. The forwarding rules are captured in a changeable input file and include standard content changes of previous versions up to version 2019. The following Angle warnings can be solved automatically, provided that the corrective action has been specified in the input file:

– unsupported_start_object
– unsupported_jump

- unsupported_filter_field
- unsupported_display_field
- unsupported_grouping_field
- unsupported_aggregation_field
- unsupported_sorting_field

Consultant / Developer; DebugOrderNumbers functionality improved

The *DebugOrderNumber* settings have been moved to EADebug.ini. As a result, no more overwrites will take place, making the process of enabling debug dumps and root cause analysis more efficient.

Added possibility to enable a Dashboard package when Model Server is not active

Previously, you could not enable a Dashboard package if there was no active Model Server. You can now activate and deactivate Dashboard packages independent of the Model Server status.

NO_DUMMIES added to MaterialOnStorageLocationLevel reference

The reference Material on Storage Location Level is (indirectly) used to build other Material references (Material on Plant Level /Material).

For building the Material on Storage Location reference, the field LGORT is used, which in some objects is not available or poorly populated. This could potentially lead to the creation of many dummies. If the number of dummies exceeds a limit, model server log warnings will be visible. Next to that, the loading performance of references will be poor.

The sourcing of the Material references is redeveloped in a new module (Remove Dummies for *Material on StorageLocation* Level class) bypassing the need to have the reference Material on Storage Location populated. The option NO_DUMMIES allowed is added to this reference, which avoids the creation of large amounts of dummies.

Once set and applicable, the module will resolve server warnings and improve the reference loading performance. It is not recommended to enable this module by default. Enable only when the mentioned effects are happening.

Fixed crash of modelserver during processing of user authorization profile under very specific circumstances

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00309248 WaitFor condition is incomplete for restructure actions of partnerroles

The *WaitFor* condition was incomplete for restructuring action of *partnerroles*. Different dependent tables were missing in the *Waitfor* conditions, resulting in errors during the restructuring process. This has now been corrected.

[Content Migration Tool] ConditionTables time out setting is configurable

You can now customize the time-out setting for *ConditionTables*. The default value has been changed from 90 seconds to 500 (8 minutes, 20 seconds). You can edit the time-out period in the file *EveryAngle.ContentMigrationTool.WpfApp.exe.config*. The setting *HTTPRequestTimeOutInSeconds* contains the time-out period in seconds. Make sure to restart the application after changing this setting.