



Event-Based Production Accounting in SAP S/4HANA

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Introduction: Event-Based Production Accounting in SAP S/4HANA

- Why did SAP start moving topics out of the period close?
- Who can use the new approach?
- What changes and what stays the same?
- Event-based Overhead Calculation
- Event-based WIP Calculation
- Event-based Variance Calculation
- Template Allocation in the Production Environment (private cloud and on premise only)
- If Settlement is gone - Settlement to non-material receivers, Monitoring the business process
- Roadmap for Universal Parallel Accounting in subsequent releases

Topics: Event-Based Production Accounting in SAP S/4HANA

- 1 What changed?
- 2 Who can use the new approach?
- 3 Overhead Calculation
- 4 WIP Calculation for Open Orders
- 5 Variance Calculation on Completion
- 6 Template Allocation
- 7 Without Settlement
- 8 Outlook and Roadmap
- 9 Q and A

Topic #1 What Changed?

SAP ERP: Two Step Calculation – WIP and/or Variance Calculation (CO),
Followed by Settlement (FI)

New Approach: Follow-On Document created as underlying transactions are
posted

Document supports multiple ledgers and currencies (UPA)

Two Steps: WIP and Variance Calculation in SAP ERP

SAP Work in Process

Order: 1030786 MZ-FG-C900
Order Type: YBM1 MTS Production Order
Plant: 1710 Plant 1 - US
Material: MZ-FG-C900 C900 BIKE
Planned Quantity: 10 PC Piece
Results Analysis Ver 0 WIP:Results Analysis
Cumulative Data
Legal Valuation
Company Code Currency/Object Currency:

Cost Element	Cost Element (Text)	Origin	= Work in Process =	Res. imminent loss	= Reserves for Unrealized Cos
93100000	Res.Anal.Technical		0,00	0,00	0,0
			0,00	0,00	0,0
93111000	Res.Anal.Non/Bill Costs		1.976,80	0,00	0,0
93113000	Res.Anal.Sec. Costs		1.629,02	0,00	0,0
93115000	Res.Anal. OVH.Costs		257,68	0,00	0,0
WIP			3.863,50	0,00	0,0
			3.863,50	0,00	0,0

Work in process is calculated and updated in Table COSB

Production variances are calculated and updated in Table COSB

SAP Variance Calculation: List

Basic List Cost Elements Scrap Variance Categories More

Period: 1 Fiscal year: 2021 Messages: 1 Currency: USD
Version: Target costs for total variances (0) Company code currency

Plant	Cost Object	Target Costs	Actual Costs	Allocated Actl Costs	Work in Process	Scrap	Variance
1..	ORD 1030982	4.968,88	4.813,54	3.168,30	0,00	0,00	1.645,24

Variances Target Costs

Cost El.	Cost Element (Text)	Origin	= Variance =	*Price ...	*ResUsg...	*Qty Var.	*Reminp...	*MxdPr...	*OutPri...	*OptQty...	*LotSizeVar	*Rem...
511000	Consumption - Raw Mat...		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
941110	Overhead Material		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
941120	Overhead production		14,12-	0,00	0,00	0,00	14,12-	0,00	0,00	0,00	0,00	0,00
943010	Machine hours 1	US10_PLC/1	62,51	41,68-	0,00	104,19	0,00	0,00	0,00	0,00	0,00	0,00
943030	Setup Production	US10_PLC/3	165,39-	165,39-	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
943110	Personnel hours	US10_PLC/11	38,34-	38,34-	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
Debit			155,34-	245,4-	0,00	104,19	14,12-	0,00	0,00	0,00	0,00	0,00
551000	Plant Activity Production ...		163,70	0,00	0,00	0,00	0,00	0,00	0,01	0,00	0,00	163,69
Delivery			163,70	0,00	0,00	0,00	0,00	0,00	0,01	0,00	0,00	163,6

Settlement moves the work in process and production variances to Financial Accounting

SAP Actual Settlement: Order Detail list

Basic list Sender Receiver Accounting documents Settlement rule

Detail list - Settled values

Senders	Text send.	Receiver	=Val/COArCur	COAr Cur	=Val/ObjCur	Ob.Cr/Send Inform.
ORD 1030982	C900 BIKE	MAT 1710/MZ-FG-C900	1.665,65	EUR	1.645,24	USD
		PSG 0006498747	1.665,65	EUR	1.645,24	USD
			3.331,30	EUR	3.290,48	USD

One-Step Journal Entry: Event-based Overhead & WIP

Follow-on document for overhead via costing sheet

- Material overhead calculated with reference to the goods issues
- Production overhead calculated with reference to confirmations

SAP Display Line Items

Standard* ▼

Filtered By (4): Ledger, Company Code, G/L Account, Order ID

Line Items (9) | Standard* ▼

G/L Account	G/L Account Name	Business Tran...	Journal Entry	Reference document	Posti
Cost Center:					
51100000 (Consu...	Conspn Raw Mat	RMRU	4900031586	4900365832	04/:
51100000 (Consu...	Conspn Raw Mat	RMRU	4900031586	4900365832	04/:
51100000 (Consu...	Conspn Raw Mat	RMRU	4900031586	4900365832	04/:
51100000 (Consu...	Conspn Raw Mat	RMRU	4900031586	4900365832	04/:
51100000 (Consu...	Conspn Raw Mat	RMRU	4900031586	4900365832	04/:
51100000 (Consu...	Conspn Raw Mat	RMRU	4900031586	4900365832	04/:
51100000 (Consu...	Conspn Raw Mat	RMRU	4900031586	4900365832	04/:
51100000 (Consu...	Conspn Raw Mat	RMRU	4900031586	4900365832	04/:

Goods issues and confirmations as **trigger**

Material-based WIP calculated for raw material costs plus material overhead

Production-based WIP calculated for activity costs plus production overhead

SAP Display Line Items

Standard* ▼

Ledger: * Company Code: G/L Account: Posting Date: Cost Center:

Order ID: WBS Element: Project: Journal Entry: Business Transaction Type:

Sales Document: Service Document: Reference document:

Go Adapt Filter

Line Items (1) | Standard* ▼

G/L Account	G/L Account Name	Business Tran...	Journal Entry	Reference document	Posting D...	Amount in Global Cu...	Amount in Compa...
Cost Center:							
94111000 (Overhe...	OH Material	KZPI	2300006077	4900365832	04/30/2022	469,30 USD	469,30 USD
						469,30 USD	469,30 USD

SAP Display Line Items

Standard* ▼

Ledger: * Company Code: G/L Account: Posting Date: Cost Center:

Order ID: WBS Element: Project: Journal Entry: Business Transaction Type:

Sales Document: Service Document: Reference document:

Go Adapt Filter

Line Items (2) | Standard* ▼

G/L Account	G/L Account Name	Business Tran...	Journal Entry	Reference document	Posting D...	Amount in Global Cu...	Amount in Compa...
Cost Center:							
13200000 (Invento...	Inventory WIP	EBWP	100039398	91898	04/30/2022	19.880,03 USD	19.880,03 USD
13200000 (Invento...	Inventory WIP	EBWP	100039399	4900365832	04/30/2022	7.173,65 USD	7.173,65 USD
						27.053,68 USD	27.053,68 USD
						27.053,68 USD	27.053,68 USD

One-Step Journal Entry: Cancellation of WIP and Calculation of Variances On Completion

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SAP

Display Line Items ▾

🔍

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🔊

🔗

🔔

Standard* ▾

Hide Filter

Ledger:*

Company Code:

G/L Account:

Posting Date:

Cost Center:

OL (Ledger OL) ▾

=1710 X

13200000 (Invento... X

Order ID:

WBS Element:

Project:

Journal Entry:

Business Transaction Type:

1043166 X

Sales Document:

Service Document:

Reference document:

Go Adapt Filter

Line Items (4) Standard* ▾

Line Item Details ⚙️

OL (Ledger OL) ▾

=1710 X

52070000 (Loss P... X

Order ID:

WBS Element:

Project:

Journal Entry:

Business Transaction

1043166 X

Sales Document:

Service Document:

Reference document:

Go A

Line Items (7) Standard* ▾

Line Item Details ⚙️

<

SAP

Product Profitability with Production Variances

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Navigation Panel Standard* ▾

Filtered By (3): Fin Stmt Vers, Ledger, Company Code

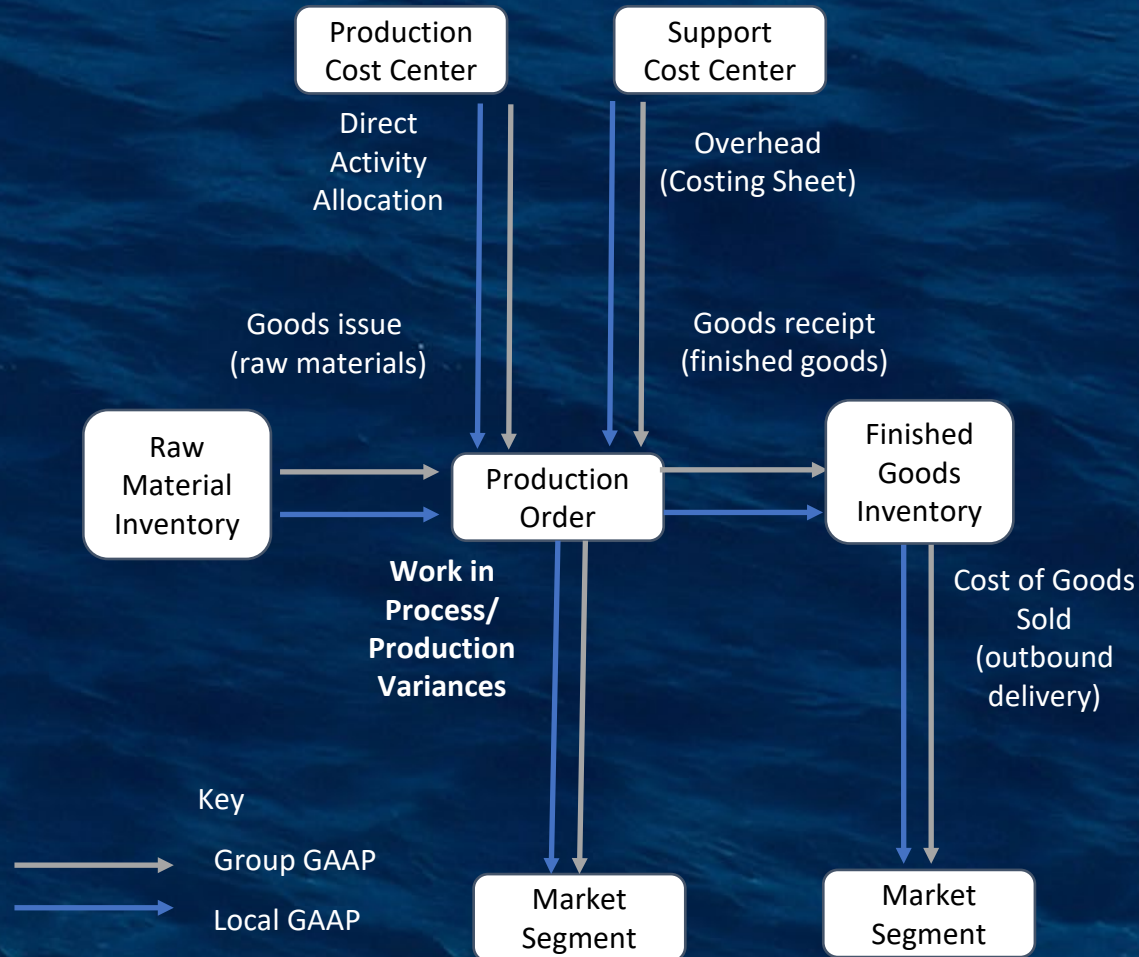
Data Analysis

<No Bookmark Loaded> ▾ | 🔍 Filter ▾ ⬇️ Sort ▾ ⬇️ Hierarchy ▾ ⬇️ Drilldown ▾ ⬇️

Product Sold Group	ZCRUISE
	Cruise
Revenue Adjustment	\$ 14.860.183,00
Recognized Revenue	\$ 1.001.953.926,00
COGS - Variable	\$ -816.815.744,64
Contrib Margin I	\$ 185.138.181,36
COGS - Fixed	\$ 0,00
Price Differences	\$ 0,00
Input Price Variance	\$ -0,75
Input Quantity Variance	\$ 82.950,79
Resource Usage Variance	\$ 16.644.300,14
Lot Size Variance	\$ 11.362.621,58
Input Remaining Variance	\$ 17.834.761,57
Contrib Margin II	\$ 185.138.181,36

Production Variances in
Margin Analysis

Production Accounting – Overview of Make to Stock Process



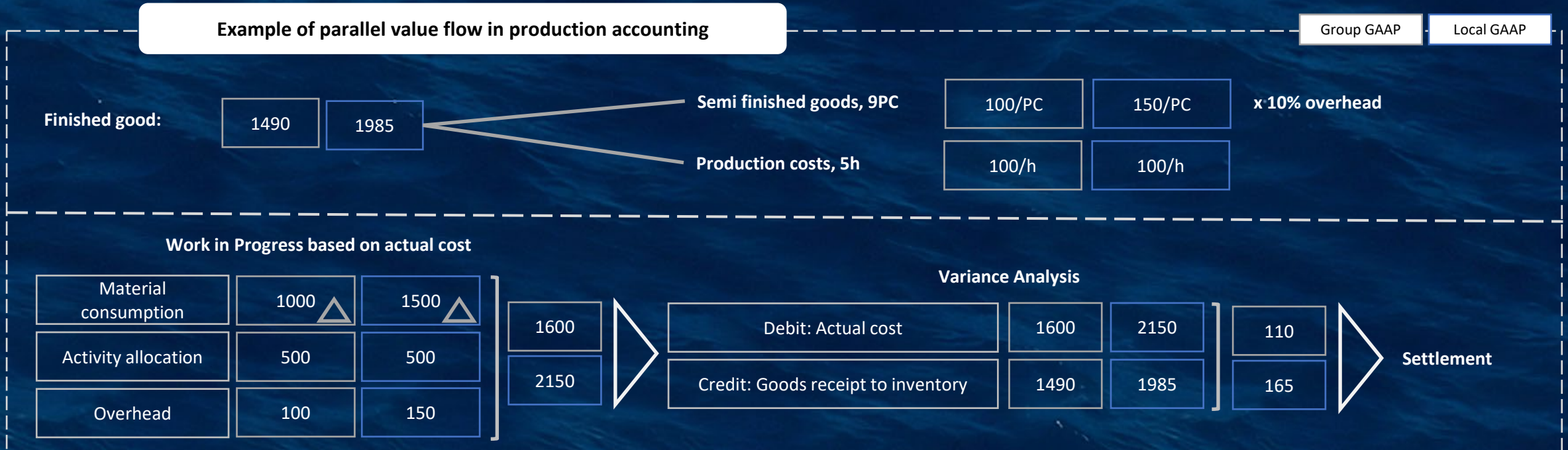
With universal parallel accounting (UPA) there are no changes to the goods movements and confirmations, but these events can result in **multiple** financial documents to represent the different ledgers.

The reference document triggers **follow-on documents** for overhead, WIP and production variances. These are also posted in multiple ledgers.

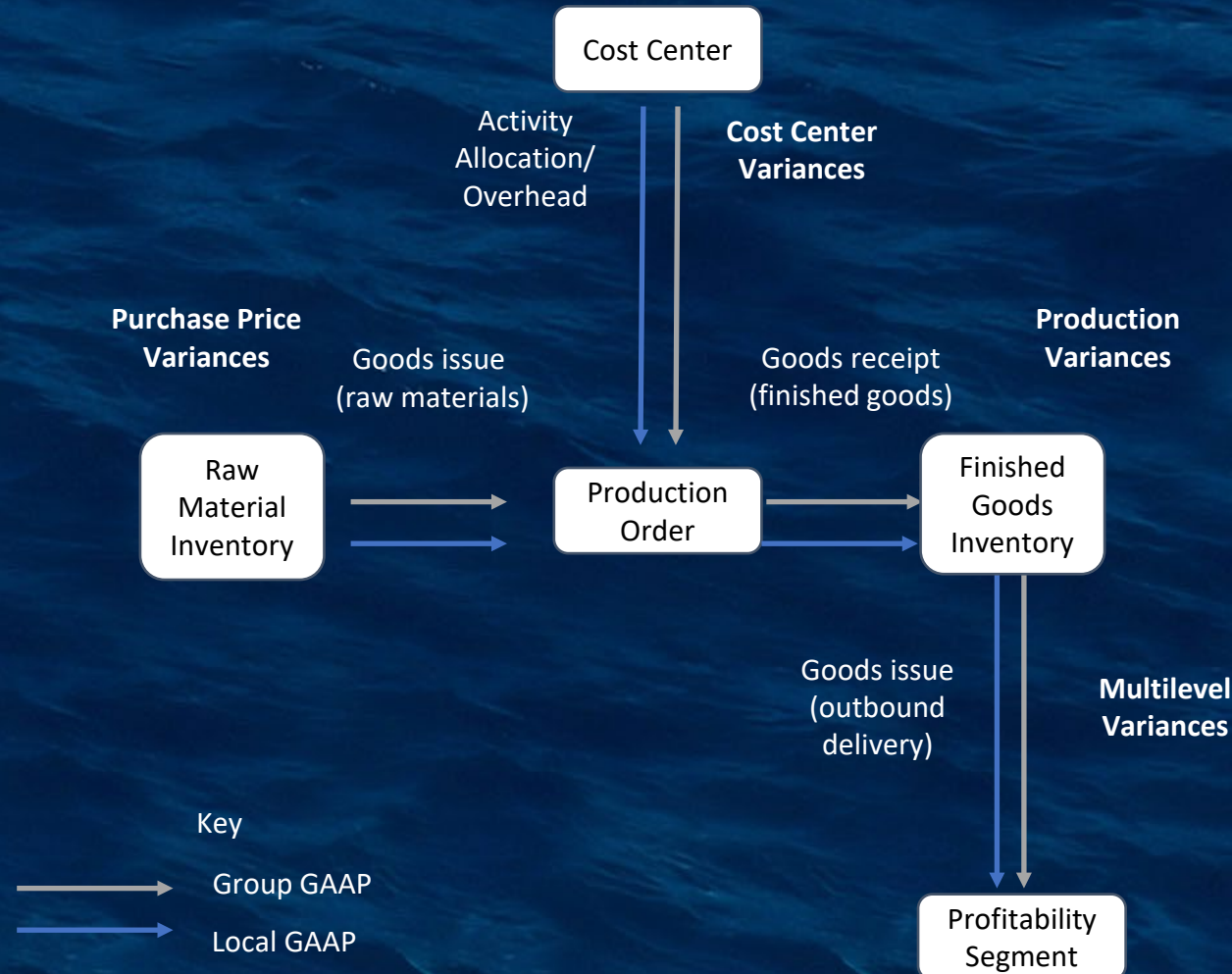
There is no need to settle, since the Cost of Goods Sold are visible in Margin Analysis with the delivery and WIP and production variances are automatically assigned to market segments.

Event-Based Production Accounting

You can only fully benefit from Universal Parallel Accounting using scope item **3F0 for event-based production accounting instead of BEI**. You can still continue using BEI under certain conditions.



Variance Settlement and Actual Costing - Overview



The event-based approach creates journal entries using the best information available at the time of posting (standard costs for materials/activities).

At period close actual costing (scope item 33Q) can be used to adjust raw material costs to include purchase price variances (from suppliers' invoices) and adjust activity costs to include e.g. increased energy costs. The process is multilevel so includes production variances to determine the combined impact on all materials produced and sold in the period.

Topic #2 Who can use the new approach?

All Public Cloud customers (scope item 3F0)

**Private Cloud and On Premise Customers who activate the Business Function
for Universal Parallel Accounting (currently pilot release)**

Impact of the Business Function

Event-Based Production Accounting

Event-Based Production Accounting can only be used when Universal Parallel Accounting is activated. In order to avoid usage of Event-Based Production Accounting when UPA is not activated, error message SFIN_FI018 is issued when certain transactions are called or settings made.

Example: When calling the following transactions used in event-based production accounting when UPA is not active, this error message comes up

- Create event-based production orders or process orders
- Maintain event-based result analysis key
- Assign event-based RA key in order type-dependent parameters

Example: The following IMG node which is used in Event-Based production accounting can not be accessed when UPA is not active

- Event-Based WIP and Variance Posting

Change View "Order Type-Dependent Parameters: Overview": Details

Plant: 1010 Werk 1010
Order Type: PP01 Standard production order

Planning Implementation **Cost Accounting** Display Profiles

Cost Accounting

Planned Costs Costn	PPP1	Production Order: Planned
Actual Costs Costing	PPP2	Production Order: Actual
Results Analysis Key	1010	WIP Calculation at Actual Costs
Planned Cost Calcul.	2 Determine Planned Costs When Saving	

☐ Event-Based Posting
☐ Split Actual Costs

Distribution Rule

Default Rule	PP1	Production Mat.Full settlement
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Function not supported because universal Parallel Accounting inactive

Performance Assistant

Function not supported because universal Parallel Accounting inactive

Message No. SFIN_FI018

Diagnosis

The business function *Universal Parallel Accounting* (FINS_PARALLEL_ACCOUNTING_BF) is **not** active in your system. However, the function that you want to use is only available if the business function is activated.

System Response

You **cannot** use the function.

Display IMG

Existing BC Sets ☐ BC Sets for Activity ☐ Activated BC Sets for Activity

Structure

- Controlling
 - General Controlling
 - Cost Center Accounting
 - Internal Orders
 - Product Cost Controlling
 - Product Cost Planning
 - Cost Object Controlling
 - Product Cost by Period
 - Product Cost by Order
 - Basic Settings for Product Cost by Order
 - Manufacturing Orders
 - Define Goods Received Valuation for Order Delivery
 - Period-End Closing**
 - Event-Based WIP and Variance Posting** UPA Active
 - Work in Process
 - Variance Calculation
 - Settlement
 - Product Cost by Sales Order

Display IMG

Existing BC Sets ☐ BC Sets for Activity ☐ Activated BC Sets for Activity

Structure

- Strategic Enterprise Management/Business Analytics
 - Controlling
 - General Controlling
 - Cost Center Accounting
 - Internal Orders
 - Activity-Based Costing
 - Product Cost Controlling
 - Product Cost Planning
 - Cost Object Controlling
 - Product Cost by Period
 - Product Cost by Order
 - Basic Settings for Product Cost by Order
 - Manufacturing Orders
 - Define Goods Received Valuation for Order Delivery
 - Period-End Closing UPA Inactive
 - Work in Process
 - Variance Calculation
 - Settlement
 - Product Cost by Sales Order

Scope

Event-Based Production Accounting

Product Cost by Order

OP2022

- Highly flexible production environment
- High setup costs
- Full assignment of costs to orders required
- Cost measurement by production lot required
- (Missing: CO production orders – available OP2025)

Product Cost by Period

OP2023

- High-volume production
- Stable manufacturing environment
- Individual lot-based cost measurement is not required
- Costs are collected on product cost collectors
- Example: repetitive manufacturing
- (Missing: Product Cost Collectors with assigned Production Orders)

Subcontracting with CO Production Orders

OP2023, FPS2

- Production activities are performed by external subcontractor
- Material components are provided to external subcontractor
- Subcontractor bills for services performed
- CO Production order is created automatically when subcontracting purchase order is created
- Follow- on processes such as quality check can also be assigned to CO production order

Scope of the Business Function

Event-Based Production Accounting

Innovations

- Material Cost Estimate without Quantity Structure
- CO Production Orders
- Mixed Costing and Mixed Price Variances
- Planned Scrao and Scrap Variances
- Template Allocation for Production Orders and Process Orders

OP2025

Innovations

- WIP for Refurbishment Orders
- Template Allocation for Projects, Networks and Sales Orders
- Manual Settlement

OP202, FPS1

Planned Innovations

- Product Cost Collectors with assigned orders, incl. Variance Calculation
- Template Allocation for Product Cost Collectors and CO Production Orders
- Template Allocation for Service Management (new environment)

OP202, FPS2

Topic #3 Overhead Calculation

Conditions defined in Costing Sheet

Overhead Calculation

Schedule Overhead
Accounting Jobs



Run Overhead
Calculation
Actual



Postprocess Event-
Based Postings
Overhead Calculation



- **Overhead calculation will run per ledger**, it is possible to start the period end run for several ledgers at once
- **Base values** for overhead calculation are **ledger-dependent**, **overhead percentages** are **ledger-independent**,
- Periodic and event-based overhead calculation are supported

Change View "Costing sheets": Overview			
Costing Sheets			
	Costing Sheet	Description	Evt. based
☐	1010EP	Event based costing sheet (DE)	☒

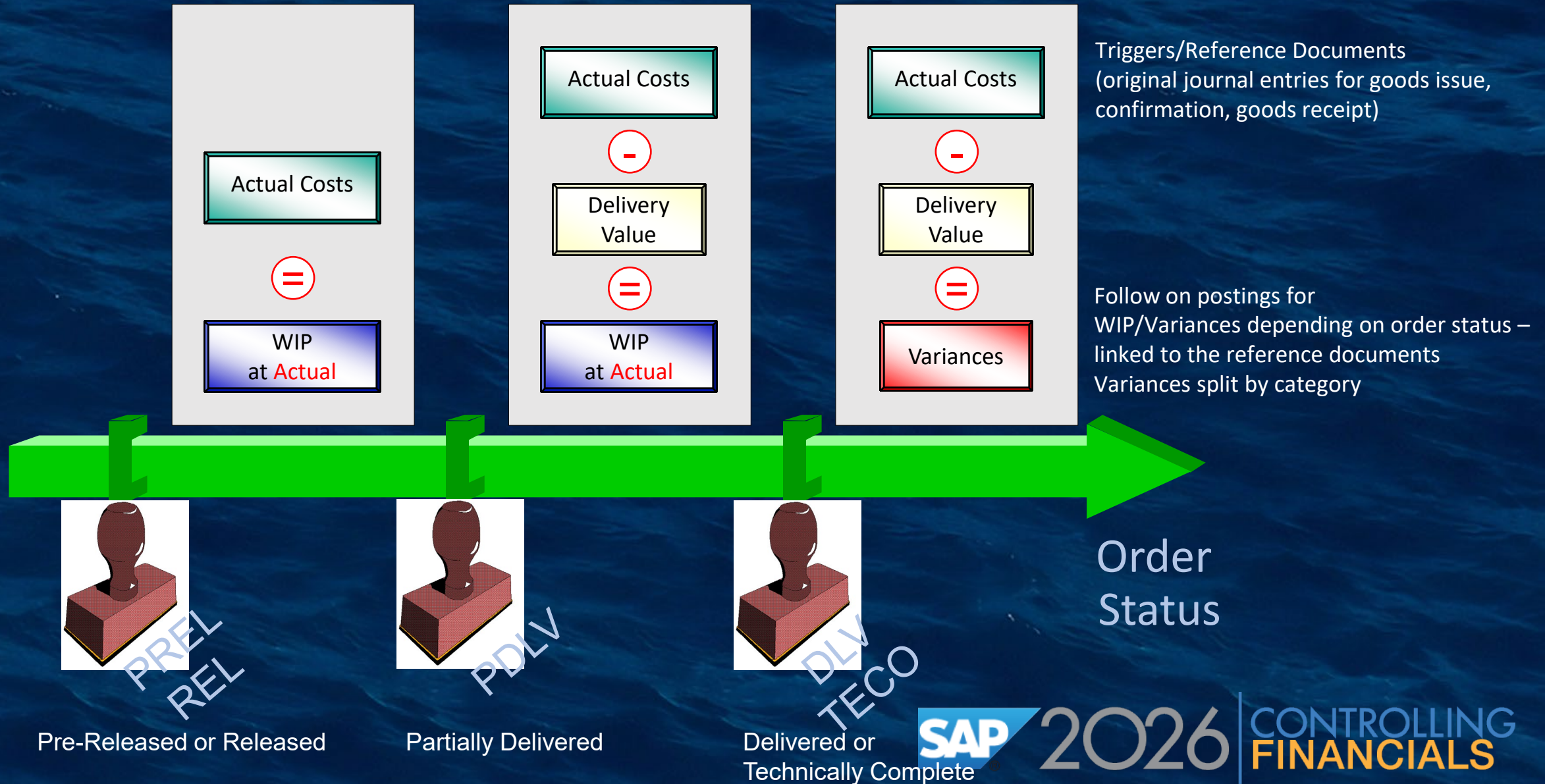
- For production scenarios, using event-based WIP, event-based overhead calculation has to be used
- Period-end closing transactions support the processing of several ledgers in one step

Period:*	08	Project definition:	
Fiscal Year:*	2022	WBS Element:	
Controlling Area:*	Controlling Area A000 (A000) x		
Company Code:	Company Code 1010 (1010) x		
Ledger:	Ledger 0L (0L) x Ledger 2L (2L) x Ledger 4G (4G) x	Execution type	
		Actual Overhead Calculation:	☐

Topic #4 WIP Calculation

Choosing the Method, Assigning Sources, and Setting up Account Determination

WIP and Variance Calculation for Production/Process Orders



WIP and Variance Calculation for Product Cost Collectors

As product cost collectors do not have a “final delivery” status, there is no “event” to trigger variance calculation. WIP is calculated and reversed in real time, but “post processing” is used to calculate production variances at period close.



Configuration of Event-Based Product-Controlling

The settings are delivered via event-based processing keys and selected via the plant/order type (Scope Item 3F0)

WIP at Actual Costs (for production orders and process orders)

WIP at Target Costs, based on the standard costs per reporting point (operation) – for product cost collectors

Total Variances = Actual Costs – WIP; Total Variances are Split by Variance Category

The screenshot shows the SAP S/4HANA configuration interface for 'Define Event-Based Processing Key'. The title bar indicates 'Change View "Define Event-Based Processing Key": Details'. The left sidebar shows the 'Dialog Structure' with the following items: 'Define Event-Based Processing Key' (selected), 'Define WIP Sources', 'Assign G/L Accounts', 'Define WIP Account Determination', 'Define WIP Account for Source', 'Assign WIP Account Determination to Company Code', and 'Assign Doc. Type to Company Codes'. The main area displays the configuration for the event-based processing key 'RSEBW' (Event-Based WIP and Variance Posting). The 'Order Settlement Type' section shows 'Order Settlement Trigger Type' set to 'Based on Business Event'. The 'WIP Calculation Control' section shows 'WIP Calculation Method' set to 'WIP at Actual Costs'. The 'Active Variance Categories' section shows 'Variance Split' set to 'Yes' and a list of checked variance categories: Input Price Variance, Resource Usage Variance, Mixed Price Variance, Lot Size Variance, Input Quantity Variance, Scrap Variance, Output Price Variance, and Remaining Variance. The 'Valid Receiver' section shows 'Material' set to 'Posting Optional'.

< **SAP** Change View "Define Event-Based Processing Key": Details

▼ New Entries Display BC Set More ▼

Dialog Structure

- Define Event-Based Processing Key
- Define WIP Sources
 - Assign G/L Accounts
- Define WIP Account Determination
 - Define WIP Account for Source
- Assign WIP Account Determination to Company Code
- Assign Doc. Type to Company Codes

Event-Based Processing Key: RSEBW Event-Based WIP and Variance Posting

Order Settlement Type

Order Settlement Trigger Type: Based on Business Event ▼

WIP Calculation Control

WIP Calculation Method: * WIP at Actual Costs ▼

Active Variance Categories

Variance Split: Yes ▼

- ☒ Input Price Variance
- ☒ Resource Usage Variance
- ☒ Mixed Price Variance
- ☒ Lot Size Variance
- ☒ Input Quantity Variance
- ☒ Scrap Variance
- ☒ Output Price Variance
- ☒ Remaining Variance

Valid Receiver

Material: Posting Optional ▼

Configuration for Event-Based WIP and Production Variances

Relevant G/L accounts are assigned to WIP sources (material, labor, overhead (increase WIP) and delivered (decrease WIP) – Journal entries triggered by backflush processes

Dialog Structure

- Define Event-Based Processing Key
- Define WIP Sources
 - Assign G/L Accounts
- Define WIP Account Determination
 - Define WIP Account for Source
- Assign WIP Account Determination to Company Codes
- Assign Doc. Type to Company Codes

Define WIP Sources

	Source	Description	Source Type
☐	0DLV	Delivered Cost	Delivered Costs
☐	0LBR	Labor Cost	Production Costs
☐	0MAT	Material Cost	Production Costs
☐	0OVH	Overhead Cost	Production Costs

WIP postings are made under G/L accounts associated with material, labor, overhead. Reserves for unrealized costs may be created in exceptional circumstances (e.g. costs missing)

Dialog Structure

- Define Event-Based Processing Key
- Define WIP Sources
 - Assign G/L Accounts
- Define WIP Account Determination
 - Define WIP Account for Source
- Assign WIP Account Determination to Company Codes
- Assign Doc. Type to Company Codes

WIP Account Determination Rule: SEBW

Define WIP Account for Source

	Chrt/Accts	Item	Source	WIP (B/S Acct)	WIP Offset (P/L)	Reserves (B/S Acct)	Rsrvs Offset (P/L)
☐	YCOA	1	Material Cost	13200000	54200100	24098600	54200100
☐	YCOA	2	Labor Cost	13200000	54200100	24098600	54200100
☐	YCOA	3	Overhead Co...	13200000	54200100	24098600	54200100
☐	YCOA	4	Delivered C...				

Event-Based Production Accounting – Product Cost by Order



Note [2737228](#)

Event-Based Work-in-Process (ACDOCA)

In Product Cost by Order, Event-Based WIP at actual costs determines the work in process for each production order and process order by calculating the difference between the actual costs incurred (goods issue, activity allocation etc.) and the actual costs settled (goods receipt).

The status of the order determines whether WIP creates or decreases

- Goods issue or activity confirmation to order has the status REL (released): the result is an increase in Event-Based WIP
- Goods receipt to order has the status PDLV (partial delivery): the result is a decrease in Event-Based WIP

EBWP posting

- New WIP account determination configuration
- Journal entry posting in ACDOCA only, no CO tables
- Parallel ledgers, up to ten currencies
- SLA Line Item Type
 - ❖ 9100 WIP
 - ❖ 9110 Reserves for Unrealized Costs
- No WIP category breakdown

SAP Event-Based Order

1004721

General Information Order Costs

Receiver Category: Material Changed On: 13.06.2022

Order Costs

Cost Details COGM Overview

Standard

G/L Account	Origin	Total Plan Cost	Total Target Cost	Total Actl Cost	Total WIP	Total
13200000 (Inventory WIP)		0,00 EUR	0,00 EUR	0,00 EUR	1.378.420.000,00 EUR	
> G/L Account: 51600000 - Consptn Trde Gds		0,00 EUR	0,00 EUR	1.378.420.000,00 EUR	0,00 EUR	
> G/L Account: 55100000 - Adj Plnt act prd.ord		-49.233.385,89 EUR	0,00 EUR	0,00 EUR	0,00 EUR	
		-49.233.385,89 EUR	0,00 EUR	1.378.420.000,00 EUR	1.378.420.000,00 EUR	

SAP Display Line Items in General Le...

CommitmentDEMO

Ledger: * OE (Commitment/Prediction) Company Code: (=1010 x) G/L Account: Status: All Items Posting Date: Cost Center:

Fiscal Year of Ledger: Source Reference Document: Order ID: Journal Entry: (1200000988 x)

Go Adapt Filters (4)

Line Items (2) Standard

Status	G/L Account	SLA Line Item Type	Assignment Reference	Journal Entry	Journal Entry ...	Posting Date	Posting Key	Amount in Company Cod...	Tax Code	Clear
✓	54200000 (Invento...		1004721	1200000988	SB (G/L Accou...	01.06.2022	50	-1.378.420.000,00 EUR		
✓	13200000 (Invento...	9100 (WIP)	1004721	1200000988	SB (G/L Accou...	01.06.2022	40	1.378.420.000,00 EUR		
								0,00 EUR		
								0,00 EUR		



2026

CONTROLLING
FINANCIALS

Topic #5 Variance Calculation

Timing and Supported Variance Categories

Event-Based Production Accounting – Product Cost by Order

Plan Costs/Standard Costs (ACDOCP)

Plan category is used to distinguish different sets of planning data in controlling which is updated in the harmonized planning table ACDOCP. The following plan categories are used for production accounting area as the basis of target cost calculation.

PLANORD01: Order Plan Costs (order cat. 10,40)

- Is updated in ACDOCP when production orders (10) and process orders (40) are costed
- Is supported with parallel ledger for MTO scenarios, leading ledger only for MTS scenario
- Is a key column in Event-Based Production Costs Fiori reports

PLANORD02: Material Standard Costs

- Is updated in ACDOCP when material cost estimation is released (CK24/CK40N) or the first goods receipt of marked cost estimate
- Is supported with parallel ledger for all scenarios

PLANORD03: Sales Order Costing/Order BOM Costing

- Is updated in ACDOCP when sales order costing is marked (VA01/VA02) or order BOM costing is marked (CK51/CK51N/CK55)
- Is supported with parallel ledger for MTO scenario

Create Material Cost Estimate with Quantity Structure

Material: FG126
Plant: 1010

Costing Variant: 1
Costing Version: 1
Costing Lot Size:
Transfer Control:
Restrictions:
Cstg Vrn Name: P00L Legal Mat Cst Est Ldgr-0L, P02L Legal Mat Cst Est Ldgr-2L, P03L Legal Mat Cst Est Ldgr-3L, PPC1 Standard Cost Est. (Mat.), PYC1 Cost Estimate Standard, PYC2 Cost Estimate Plan

Price Update: Organizational Measure
Posting Period/Fiscal Year: 8 2022

Exe. Company Code Name of Valuation View Ledger Costing Version Costing Variant Released
1010 Legal Valuation 0L 1 P00L ✓
1010 Legal Valuation 2L 1 P02L
1010 Legal Valuation 3L 1 P03L

ACDOCP: Display of Entries Found

Search in Table: ACDOCP
Number of Hits: 90
Runtime: 0 Maximum No. of Hits: 100

Insert Column:
Details

GL	CoCode	Ld	Product	Account	Plan Category	BusTranCat	Material	Origin	CCtr	OrgAct	Val	quant	VUM	Amnt in CC	CCCr	Amnt in GC	Glob Cr	Posting Date	FV	Period
2022	1010	0L	FG725	51100000	PLANORD02	KPPP	RM120				100	PC	125.00	EUR		155.00	USD	06/01/2022	K4	006/2022
2022	1010		FG725	51100000	PLANORD02	KPPP	RM122				100	PC	75.00	EUR		93.00	USD	06/01/2022	K4	006/2022
2022	1010		FG725	51100000	PLANORD02	KPPP	RM128				100	PC	165.00	EUR		204.00	USD	06/01/2022	K4	006/2022
2022	1010		FG725	51100000	PLANORD02	KPPP	RM16				100	PC	25.00	EUR		31.00	USD	06/01/2022	K4	006/2022
2022	1010		FG725	51100000	PLANORD02	KPPP	RM17				100	PC	88.00	EUR		109.00	USD	06/01/2022	K4	006/2022
2022	1010		FG725	51100000	PLANORD02	KPPP	RM18				100	PC	67.00	EUR		83.00	USD	06/01/2022	K4	006/2022
2022	1010		FG725	51100000	PLANORD02	KPPP	RM27				100	PC	75.00	EUR		93.00	USD	06/01/2022	K4	006/2022
2022	1010		FG725	94112000	PLANORD02	KPPZ		10101301					0.22	EUR		0.27	USD	06/01/2022	K4	006/2022
2022	1010		FG725	94112000	PLANORD02	KPPZ		10101301					0.22	EUR		0.27	USD	06/01/2022	K4	006/2022
2022	1010		FG725	94112000	PLANORD02	KPPZ		10101301					1.50	EUR		1.86	USD	06/01/2022	K4	006/2022
2022	1010		FG725	94112000	PLANORD02	KPPZ		10101301					1.50	EUR		1.86	USD	06/01/2022	K4	006/2022
2022	1010	0L	FG725	51100000	PLANORD02	KPPP	RM120				100	PC	125.00	EUR		155.00	USD	06/01/2022	K4	006/2022
2022	1010	2L	FG725	51100000	PLANORD02	KPPP	RM122				100	PC	75.00	EUR		93.00	USD	06/01/2022	K4	006/2022
2022	1010		FG725	51100000	PLANORD02	KPPP	RM128				100	PC	165.00	EUR		204.00	USD	06/01/2022	K4	006/2022
2022	1010		FG725	51100000	PLANORD02	KPPP	RM16				100	PC	25.00	EUR		31.00	USD	06/01/2022	K4	006/2022
2022	1010		FG725	51100000	PLANORD02	KPPP	RM17				100	PC	88.00	EUR		109.00	USD	06/01/2022	K4	006/2022
2022	1010		FG725	51100000	PLANORD02	KPPP	RM18				100	PC	67.00	EUR		83.00	USD	06/01/2022	K4	006/2022
2022	1010		FG725	51100000	PLANORD02	KPPP	RM27				100	PC	75.00	EUR		93.00	USD	06/01/2022	K4	006/2022
2022	1010		FG725	94112000	PLANORD02	KPPZ		10101301					0.22	EUR		0.27	USD	06/01/2022	K4	006/2022
2022	1010		FG725	94112000	PLANORD02	KPPZ		10101301					0.22	EUR		0.27	USD	06/01/2022	K4	006/2022
2022	1010		FG725	94112000	PLANORD02	KPPZ		10101301					1.50	EUR		1.86	USD	06/01/2022	K4	006/2022
2022	1010		FG725	94112000	PLANORD02	KPPZ		10101301					1.50	EUR		1.86	USD	06/01/2022	K4	006/2022
2022	1010	2L	FG725	51100000	PLANORD02	KPPP	RM120				100	PC	125.00	EUR		155.00	USD	06/01/2022	K4	006/2022
2022	1010	3L	FG725	51100000	PLANORD02	KPPP	RM122				100	PC	75.00	EUR		93.00	USD	06/01/2022	K4	006/2022
2022	1010		FG725	51100000	PLANORD02	KPPP	RM128				100	PC	165.00	EUR		204.00	USD	06/01/2022	K4	006/2022
2022	1010		FG725	51100000	PLANORD02	KPPP	RM16				100	PC	25.00	EUR		31.00	USD	06/01/2022	K4	006/2022

Event-Based Production Accounting – Product Cost by Order



Note [2618359](#)

Target Costs (On-the-Fly Calculation)

Target costs of manufacturing orders (order cat. 10, 40) are calculated according to a different source of plan costs adjusted to the actual output quantity at the time of goods receipt **on-the-fly** in CDS view runtime instead of saving in database table.

Target Costs at Standard Costs -> In Fiori App, In Variance Calculation

- MTS: Is calculated based on Material Cost Estimation (PLANORD02 in ACDOCP) for all ledgers
- MTO (valuated sales order stock)
 - ❖ Valuation 'M' (separately from anonymous stock)
 - w/o valuation strategy: Is calculated based on Material Cost Estimation (PLANROD02 in ACDOCP) for all ledgers
 - w/ valuation strategy: Is calculated based on the following priority sequence for all ledgers
 - ✓ Sales Order Costing (PLANORD03 in ACDOCP)
 - ✓ Order Plan Costs (PLANORD01 in ACDOCP)
 - ✓ Material Cost Estimation (PLANOD02 in ACDOCP)
 - ❖ Valuation 'A' (same as anonymous stock): Is calculated based on Material Cost Estimation (PLANORD02 in ACDOCP) for all ledgers

Target Costs at Plan Costs -> In Published Query View

- Is calculated based on Order Plan Costs (PLANORD01 in ACDOCP)

The screenshot shows the SAP Fiori app 'Event-Based Production Costs'. The table displays data for 1,773 orders. The columns are: Order, Product, Total Plan Cost, Total Target Cost, Total Acti Cost, Total WIP, and Total Cost Variance. The 'Total Target Cost' column is highlighted with a red box.

Order	Product	Total Plan Cost	Total Target Cost	Total Acti Cost	Total WIP	Total Cost Variance
1000105	FG129 (FIN129.MTS-DI.P...	0,00 EUR	80,82 EUR	-44,22 EUR	-44,22 EUR	0,00 EUR
1004801	FG129 (FIN129.MTS-DI.P...	404,46 EUR	80,82 EUR	-24,44 EUR	-24,44 EUR	0,00 EUR
1004813	FG129 (FIN129.MTS-DI.P...	147,66 EUR	80,82 EUR	0,00 EUR	0,00 EUR	110,68 EUR
1001697	FG129 (FIN129.MTS-DI.P...	170,04 EUR	79,99 EUR	0,00 EUR	0,00 EUR	62,34 EUR
1001745	FG129 (FIN129.MTS-DI.P...	170,04 EUR	79,99 EUR	0,00 EUR	0,00 EUR	162,73 EUR
1004780	FG129 (FIN129.MTS-DI.P...	404,46 EUR	75,87 EUR	0,00 EUR	0,00 EUR	-97,76 EUR
1001091	FG129 (FIN129.MTS-DI.P...	0,00 EUR	74,22 EUR	0,00 EUR	0,00 EUR	23,91 EUR
1001220	FG129 (FIN129.MTS-DI.P...	0,00 EUR	74,22 EUR	0,00 EUR	0,00 EUR	395,12 EUR
		95.150.599,12 EUR	-6.053,72 EUR	10.564.321.682,09 EUR	10.588.000.223,72 EUR	2.640.132.342,59 EUR

Event-Based Production Accounting – Product Cost by Order



Note [2910083](#)

Event-Based Variance (ACDOCA)

In Product Cost by Order, cumulative variance is determined. Event-Based Variance compares the target costs with the cumulative actual costs.

The status of the order determines whether variance creates or clears

- Goods receipt to order has the status DLV (finally delivery): this incurs variance posting
- Change order status to TECO (technically completed) manually: this incurs variance posting
- Revoke order status TECO (technically completed) or DLV (delivery completed): this incurs variance cancellation

EBVP posting

- Same variance account determination configuration in OBYC as classic settlement
 - ❖ S-price product: PRD -> in P&L accounts
 - ❖ V-price product: BSX (no variance split)
- Journal entry posting in ACDOCA only, no CO tables
- Parallel ledgers, up to ten currencies
- Variance split by SLA Line Item Type
- No variance split by G/L account

The screenshot displays the SAP S/4HANA interface for 'Event-Based Order' 1002620. The 'Order Costs' section shows a table of costs by G/L account, with the 'G/L Account: 54400000 - Inv Chg Fin Goods' highlighted. The 'CommitmentDEMO' section shows a table of line items with columns for G/L Account, SLA Line Item Type, Transaction, Journal Entry, Posting Date, Posting Key, Amount in Company Code, Account Assignment, and Segment.

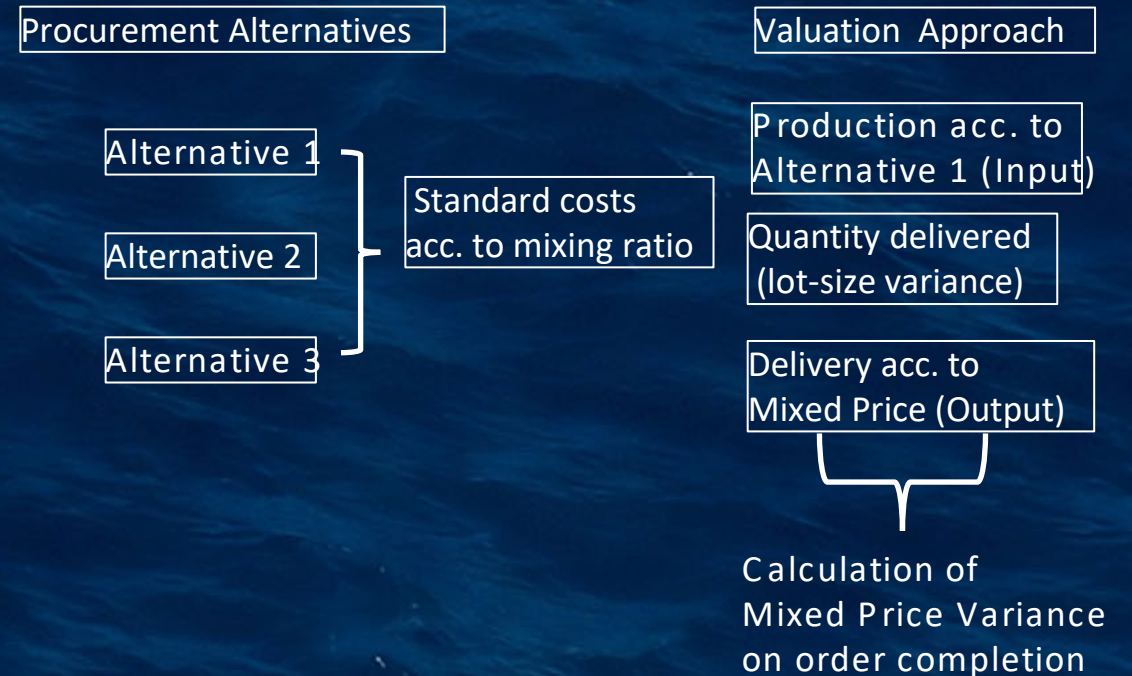
Origin	Total Target Cost	Total Actl Cost	Total Cost Variance	Input Qty Varc	Rsce Usage Varc
> G/L Account: 13200000 - Inventory WIP	0,00 EUR	0,00 EUR	0,00 EUR	0,00 EUR	0,00 EUR
> G/L Account: 51100000 - Consptn Raw Mat	206,80 EUR	252,50 EUR	45,70 EUR	45,70 EUR	0,00 EUR
> G/L Account: 54300000 - Inv Chg SF Goods	1.290,63 EUR	86,50 EUR	-1.204,13 EUR	-1.053,34 EUR	0,00 EUR
> G/L Account: 54400000 - Inv Chg Fin Goods	0,00 EUR	12.540,00 EUR	12.540,00 EUR	0,00 EUR	12.540,00 EUR
> G/L Account: 55100000 - Adj Pmt act prd.ord	-1.534,59 EUR	-12.933,36 EUR	-2,03 EUR	0,00 EUR	0,00 EUR
> G/L Account: 94111000 - OH Material	33,20 EUR	21,00 EUR	-12,20 EUR	0,00 EUR	-12,20 EUR
> G/L Account: 94301000 - Machine hours 1	0,48 EUR	0,00 EUR	-0,48 EUR	0,00 EUR	-0,48 EUR
> G/L Account: 94303000 - Setup Production	27,80 EUR	33,36 EUR	33,18 EUR	25,76 EUR	0,00 EUR
> G/L Account: 94311000 - Pers hrs	1,24 EUR	0,00 EUR	-1,24 EUR	0,00 EUR	-1,24 EUR
	25,56 EUR	0,00 EUR	11.398,80 EUR	-981,88 EUR	12.526,08 EUR

Line Item	G/L Account	SLA Line Item Type	Transaction	Journal Entry	Posting Date	Posting Key	Amount in Company Cod...	Account Assignment	Segment
55100000 (Adjust...			GBB	1200000394	13.04.2022	91	-11.398,80 EUR	000001002620	1000_A (Segr...
52070000 (Loss fro...			PRD	1200000394	13.04.2022	83	11.398,80 EUR	0003768059	1000_A (Segr...
52570000 (Gain fro...				1200000394	13.04.2022	93	-11.398,80 EUR	0003768059	1000_A (Segr...
52570000 (Gain fro...	9130 (Input Price Variance)			1200000394	13.04.2022	93	-4,98 EUR	0003768059	1000_A (Segr...
52570000 (Gain fro...	9130 (Input Price Variance)			1200000394	13.04.2022	93	-146,21 EUR	0003768059	1000_A (Segr...
52070000 (Loss fro...	9130 (Input Price Variance)			1200000394	13.04.2022	83	0,40 EUR	0003768059	1000_A (Segr...
52070000 (Loss fro...	9130 (Input Price Variance)			1200000394	13.04.2022	83	5,36 EUR	0003768059	1000_A (Segr...
52570000 (Gain fro...	9131 (Input Quantity Variance)			1200000394	13.04.2022	93	-4,50 EUR	0003768059	1000_A (Segr...
52570000 (Gain fro...	9131 (Input Quantity Variance)			1200000394	13.04.2022	93	-1.070,56 EUR	0003768059	1000_A (Segr...
52070000 (Loss fro...	9131 (Input Quantity Variance)			1200000394	13.04.2022	83	2,50 EUR	0003768059	1000_A (Segr...
52070000 (Loss fro...	9131 (Input Quantity Variance)			1200000394	13.04.2022	83	40,00 EUR	0003768059	1000_A (Segr...
52070000 (Loss fro...	9131 (Input Quantity Variance)			1200000394	13.04.2022	83	0,50 EUR	0003768059	1000_A (Segr...
52070000 (Loss fro...	9131 (Input Quantity Variance)			1200000394	13.04.2022	83	1,76 EUR	0003768059	1000_A (Segr...
52070000 (Loss fro...	9131 (Input Quantity Variance)			1200000394	13.04.2022	83	1,34 EUR	0003768059	1000_A (Segr...
							0,00 EUR		

Mixed Price Variances (from OP2025)

Support multiple procurement and production scenarios

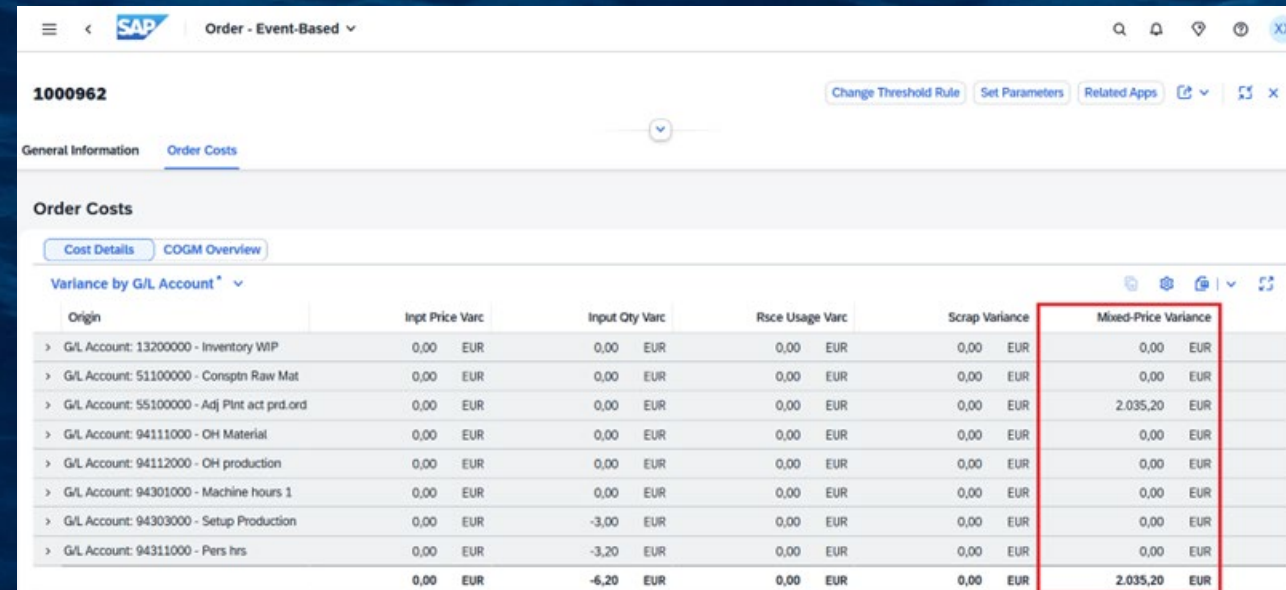
- Cost estimate is created separately for each procurement alternative (production version, vendor, subcontracting, ...).
- Cost estimates for procurement alternatives are weighted to deliver a standard cost estimate for Mixed Costing.
- Planned costs on production order in category PLANORD01 (Order Plan/Preliminary Cost) are based on production version.
- Planned costs on production order in category PLANORD02 (Material Cost Estimate (Inventory View)) are based on mix (MKALK) and assigned procurement alternatives.



Mixed Price Variances

Support multiple procurement and production scenarios

- Input variances are calculated with respect to the procurement alternative used as a basis for production. In this way, you'll see any input price variances, input quantity variances and resource-usage variances with respect to the material components and operations used in the production version being manufactured, together with any lot-size variances on the output side.
- The mixed price variance is always an output variance, since it refers to the value used to deliver the finished goods into stock, and this is based on the mixed cost estimate used to set the standard price rather than the input costs.



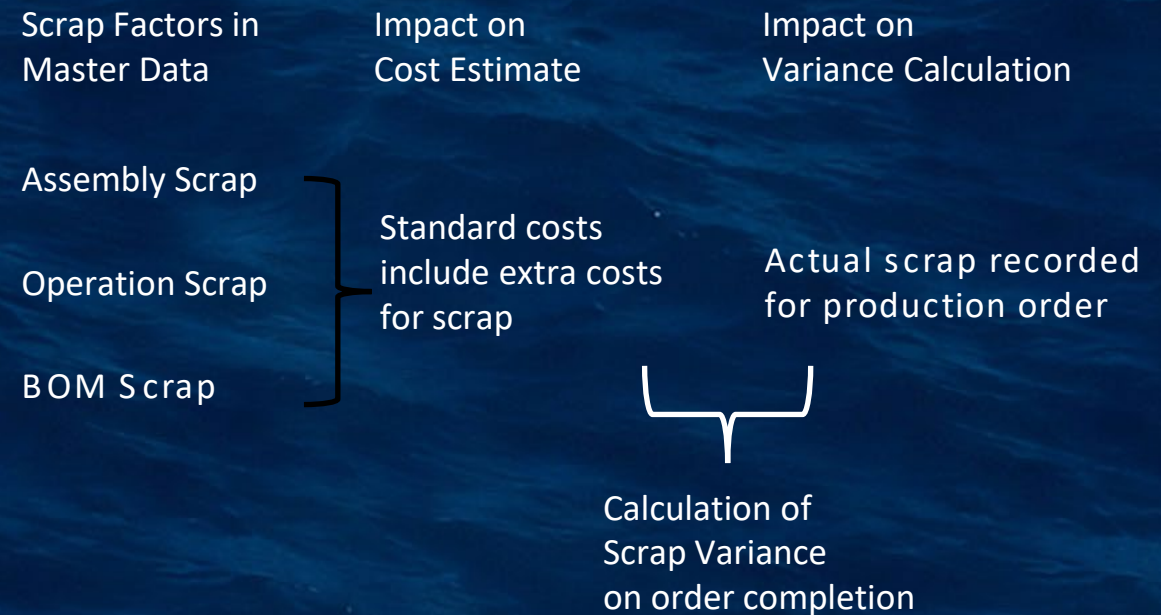
The screenshot displays the SAP S/4HANA 'Order Costs' interface for order 1000962. The 'Order Costs' section is active, showing a table of variances by G/L Account. The table includes columns for Origin, Input Price Variance, Input Quantity Variance, Resource Usage Variance, Scrap Variance, and Mixed-Price Variance. The Mixed-Price Variance column is highlighted with a red box, showing a total of 2,035.20 EUR. The table also includes a 'Variance by G/L Account' dropdown and a 'COGM Overview' button.

Origin	Input Price Varc	Input Qty Varc	Rscce Usage Varc	Scrap Variance	Mixed-Price Variance
> G/L Account: 13200000 - Inventory WIP	0,00 EUR	0,00 EUR	0,00 EUR	0,00 EUR	0,00 EUR
> G/L Account: 51100000 - Consptn Raw Mat	0,00 EUR	0,00 EUR	0,00 EUR	0,00 EUR	0,00 EUR
> G/L Account: 55100000 - Adj Plnt act prd.ord	0,00 EUR	0,00 EUR	0,00 EUR	0,00 EUR	2.035,20 EUR
> G/L Account: 94111000 - OH Material	0,00 EUR	0,00 EUR	0,00 EUR	0,00 EUR	0,00 EUR
> G/L Account: 94112000 - OH production	0,00 EUR	0,00 EUR	0,00 EUR	0,00 EUR	0,00 EUR
> G/L Account: 94301000 - Machine hours 1	0,00 EUR	0,00 EUR	0,00 EUR	0,00 EUR	0,00 EUR
> G/L Account: 94303000 - Setup Production	0,00 EUR	-3,00 EUR	0,00 EUR	0,00 EUR	0,00 EUR
> G/L Account: 94311000 - Pers hrs	0,00 EUR	-3,20 EUR	0,00 EUR	0,00 EUR	0,00 EUR
	0,00 EUR	-6,20 EUR	0,00 EUR	0,00 EUR	2.035,20 EUR

Scrap Variances (from OP2025)

Support planned and actual scrap values

- The standard costs for the material produced already include a value for the planned scrap. Total quantities are adjusted to reflect the component scrap in the BOM, operation scrap in the routing and assembly scrap.
- The scrap variance calculates the difference between the planned scrap and the actual scrap recorded.
- The procedure to calculate planned variances is as before. The ACDOCP table has been extended to include new fields for the assembly and component scrap quantities and the associated scrap factors.



Scrap Variances

Support planned and actual scrap values

- The scrap valuation is based on the structure of the routing in the preliminary cost estimate so that the recorded values can be compared line-by-line with those used in planning.
- The scrap variance is deducted from any input quantity variances, resource usage variances or remaining variances for the operation.

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SAP

Planned scrap (overview)

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More ▼

Order

Material

Plant

Lot Size

1001344 SHA_FG_MTS finished goods 012

SHA_FG_MTS_012 SHA_FG_MTS finished goods 012

1010 Plant 1 DE

199 ST Piece

ItmNo	I...	Resource	Resource (Text)	Quantity	Un	Σ	Total Value	Σ	Scrap	COCr
0010 Operation 1						■	1.283,55	■	638,55	EUR
5	M	1010 SHA_RAW_000	Raw Material 000	219	PC		438,00		197,91	EUR
4	E	10101301 ASSEMBLY 11	Phase 1 to Operation 1	0,995	H		99,50		49,50	EUR
3	E	10101301 ASSEMBLY 1	Phase 1 to Operation 1	0,995	H		18,91		9,41	EUR
2	E	10101301 ASSEMBLY 3	Phase 1 to Operation 1	1	H		39,00		0,00	EUR
23	G	10101201 94111000	OH Material				30,66		0,00	EUR
24	G	10101301 94112000	OH production				11,84		0,00	EUR
25	G	10101301 94112000	OH production				3,90		0,00	EUR
0020 Phase 1 to Operation 1						■	641,81	■	256,82	EUR
6	M	1010 SHA_RAW_001	Raw Material 001	199	PC		298,50		148,50	EUR
22	G	10101201 94111000	OH Material				20,90		0,00	EUR
0030 Operation 2						■	319,40	■	148,50	EUR
10	M	1010 SHA_RAW_002	Raw Material 002	438	PC		1.095,00		494,77	EUR
9	E	10101301 TESTING 11	Phase 1 to Operation 2	0,995	H		99,50		49,50	EUR
8	E	10101301 TESTING 1	Phase 1 to Operation 2	1,990	H		37,81		18,81	EUR
7	E	10101301 TESTING 3	Phase 1 to Operation 2	0,500	H		19,50		0,00	EUR

Standard* 																									
Origin		Total Actl Cost		Total Plan Cost		Total Target Cost		Total Cost Variance		Inpt Price Varc		Input Qty Varc		Lot Size Varc		Mixed-Price Variance		Outp Price Varc		Remaining Vari...		Rsce Usage Varc		Scrap Variance	
▼ G/L Account: 51100000 - Consptn Raw Mat																									
1010/SHA_RAW_000		280,00	EUR	280,00	EUR	293,36	EUR	-10,59	EUR	0,00	EUR	-22,19	EUR	0,00	EUR	0,00	EUR	0,00	EUR	0,00	EUR	0,00	EUR	11,60	EUR
1010/SHA_RAW_001		157,50	EUR	157,50	EUR	166,94	EUR	-7,87	EUR	0,00	EUR	-15,76	EUR	0,00	EUR	0,00	EUR	0,00	EUR	0,00	EUR	0,00	EUR	7,89	EUR
1010/SHA_RAW_002		697,50	EUR	697,50	EUR	733,39	EUR	-28,98	EUR	0,00	EUR	-57,99	EUR	0,00	EUR	0,00	EUR	0,00	EUR	0,00	EUR	0,00	EUR	29,01	EUR
1010/SHA_RAW_003		660,00	EUR	660,00	EUR	699,58	EUR	-32,98	EUR	0,00	EUR	-64,56	EUR	0,00	EUR	0,00	EUR	0,00	EUR	0,00	EUR	0,00	EUR	31,58	EUR
		1.795,00	EUR	1.795,00	EUR	1.893,27	EUR	-80,42	EUR	0,00	EUR	-160,50	EUR	0,00	EUR	0,00	EUR	0,00	EUR	0,00	EUR	0,00	EUR	80,08	EUR

Topic #6 Template Allocation

Environments 001, 005

Template Allocation

Transactions CPT1-3, CPTA and CPTD

- Template allocation is used instead of routings and recipes to calculate the amount of production activity expected. Environments 001 (cost estimate/production orders) and 009 (process orders) are supported initially.
- A template allocation might be as simple as determining that a setup or quality check is needed once for every production order or use its own function to calculate activity usage, so you might determine that shopfloor movements are dependent on the number of components in the bill of material (BOM).
- With Universal Parallel Accounting there can potentially be as many cost rates for these activities as there are ledgers.

The screenshot displays two SAP S/4HANA screens. The top screen, titled 'Change template 001 / JS001', shows the 'Template overview' for template JS001 in environment 001. A table lists various functions for the template, with a black arrow pointing to the 'Plan quantity' button in the toolbar. The bottom screen, titled 'Create Material Cost Estimate with Quantity Structure', shows the 'Valuation' tab for material FG126 at plant 1010. A black box highlights the 'Valuation View' settings, which are set to 'Legal Valuation'. Below this, the 'Itemization in Company Code Currency' table is visible, showing three items with their respective cost elements, resources, and values.

It	ItmNo	Cost Element	Resource	Total Value	Fixed Value	COCr	Quantity	Un
E	20	94301000	10101301 TESTING 1	3,17	0,00	EUR	10	MIN
E	21	94311000	10101301 TESTING 11	16,70	0,00	EUR	10	MIN
E	22	94310000	10101401 QUAL2	45,83	22,92	EUR	1	EA

Template Allocation

Transactions CPT1-3, CPTA and CPTD

As a prerequisite for template allocation, you'll need to use the *Manage Cost Rates - Plan* app to enter a cost rate for the quality checks to be calculated by the template.

SAP has been moving various tasks out of the period close and making them event-based, but template allocation will continue to run at period close to allow customers to continue to use their existing functions to calculate the quantities used.

You'll need to use the *Postprocess Event-Based Posting - Product Costing* app (F3369) to make sure that these additional costs are reflected in the work in process and production variances posted for your open production orders.

Manage Cost Rates - Plan

Standard

Valid On: 08.10.2025 Cost Center: 10101401 Activity Type: QUAL2 Currency: EUR

Cost Rates (6) Standard

Add Edit Copy Timeline Upload Analysis Delete

Cost Center	Activity Type	Ledger	From Year	From Period
10101401 (QM (DE))	QUAL2 (Quality Check)	4G (Ledger 4G)	2025	008

Edit Cost Rates

Cost Rates (2)

Ledger	Cost Center	Activity Type	From Year*	From Period*	Fixed Rate	Variable Rate	Currency*
2L	10101401	QUAL2	2025	8	60,00	40,00	EUR
0L	10101401	QUAL2	2025	8	55,00	55,00	EUR

Activity Unit: EA

Save Cancel

Actual Template Allocation: Order

Actual Template Allocation: Order (Test Run)

Result

Processing completed with no errors

Receiver Object	Ld	Sender object	Alloc. CElem	Total fixed/var. qty	UoM	Σ	Ttl Fx+Vbl value	CAC	COCr	Template
ORD 1001860	0L	ATY 10101401/QUAL2	94310000	1	EA	132,00	132,00	USD		JS001
	2L	ATY 10101401/QUAL2	94310000	1	EA	120,00	120,00	USD		JS001
	4G	ATY 10101401/QUAL2	94310000	1	EA	120,00	120,00	USD		JS001
	5P	ATY 10101401/QUAL2	94310000	1	EA	120,00	120,00	USD		JS001
	BU	ATY 10101401/QUAL2	94310000	1	EA	120,00	120,00	USD		JS001
	O...	ATY 10101401/QUAL2	94310000	1	EA	120,00	120,00	USD		JS001

Topic #7 Without Settlement

Exceptions, and non-Material Receivers

Event-Based Production Accounting

Exception Handling

Exception Handling

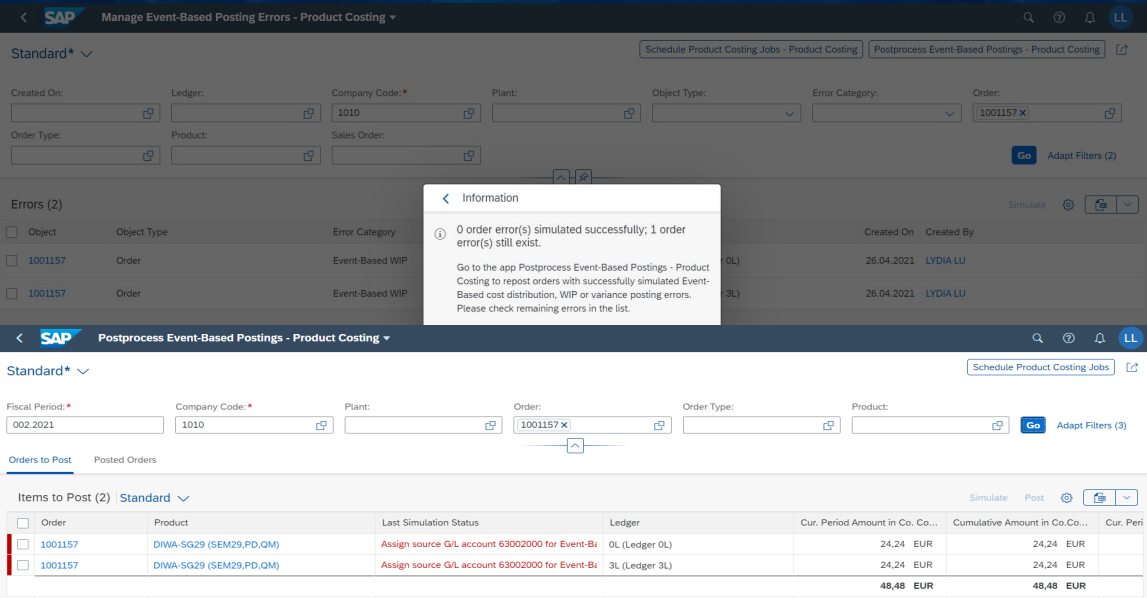
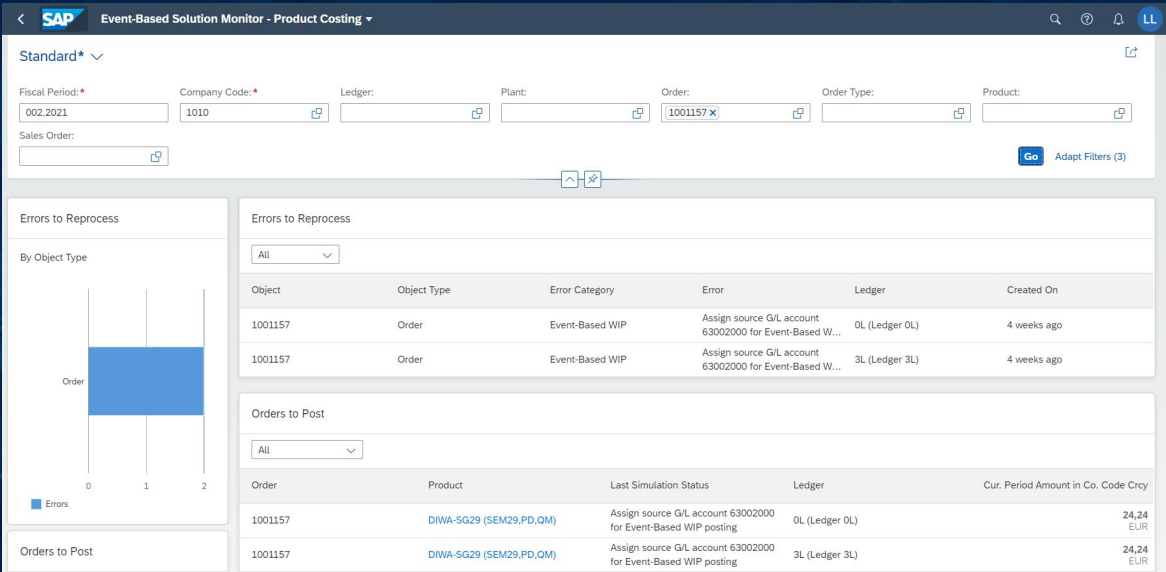
Event-Based production cost posting supports business transaction goods issue, confirmation, goods receipt and technically complete orders. However exceptions might happen

- ❖ Event-Based posting failed (e.g. WIP source account is not correctly assigned, WIP or variance account is blocked, period is not open)
- ❖ Postings from other business transactions cannot be handled in event-based manner (e.g. journal entry posting, allocation or settlement from other objects)

In such cases, the following apps help you to identify anomalies to ensure costs of goods manufactured should be capitalized as WIP or posted as variance:

- F5133 Event-Based Solution Monitor – Product Costing
- F5132 Manage Event-Based Posting Errors – Product Costing
- F3669 Postprocess Event-Based Postings – Product Costing

Please ensure there are no errors and no pending entries remaining in above apps before issuing final financial statements, event-based posting exceptions not fully resolved will cause incorrect production costs and inaccurate inventory values.



Settlement to Other Receivers

A posting rule to material is generated as a default for every order.

If necessary, you can change this in order to settle to cost center, WBS element or internal order

The screenshot displays the SAP S/4HANA configuration interface for 'Define Event-Based Processing Key'. The left sidebar shows the 'Dialog Structure' with the following items: 'Define Event-Based Processing Key' (selected), 'Define WIP Sources' (expanded), 'Assign G/L Accounts', 'Define WIP Account Determination' (expanded), 'Define WIP Account for Source', 'Assign WIP Account Determination to Comp', and 'Assign Doc. Type to Company Codes'. The main area is titled 'Change View "Define Event-Based Processing Key": Details' and contains the following sections:

- Order Settlement Trigger Type:** A dropdown menu set to 'Based on Business Event'.
- WIP Calculation Control:** A section containing 'WIP Calculation Method: *' with a dropdown menu set to 'WIP at Actual Costs'.
- Active Variance Categories:** A section with 'Variance Split: Yes' and a list of eight variance categories, all of which are checked: 'Input Price Variance', 'Resource Usage Variance', 'Mixed Price Variance', 'Lot Size Variance', 'Input Quantity Variance', 'Scrap Variance', 'Output Price Variance', and 'Remaining Variance'.
- Valid Receiver:** A section with four dropdown menus, all set to 'Posting Optional': 'Material:', 'Cost Center:', 'WBS Element:', and 'Order:'.

Manual Settlement

From OP2025, FPS2 you can control whether WIP and variances will be calculated in real-time or manually via the Event-Based Processing Key. This key is selected for the combination of plant and order type.

You need to ensure that manual settlement is triggered regularly (this can be more than once per month) in order to create WIP documents for open orders and variance documents for delivered orders.

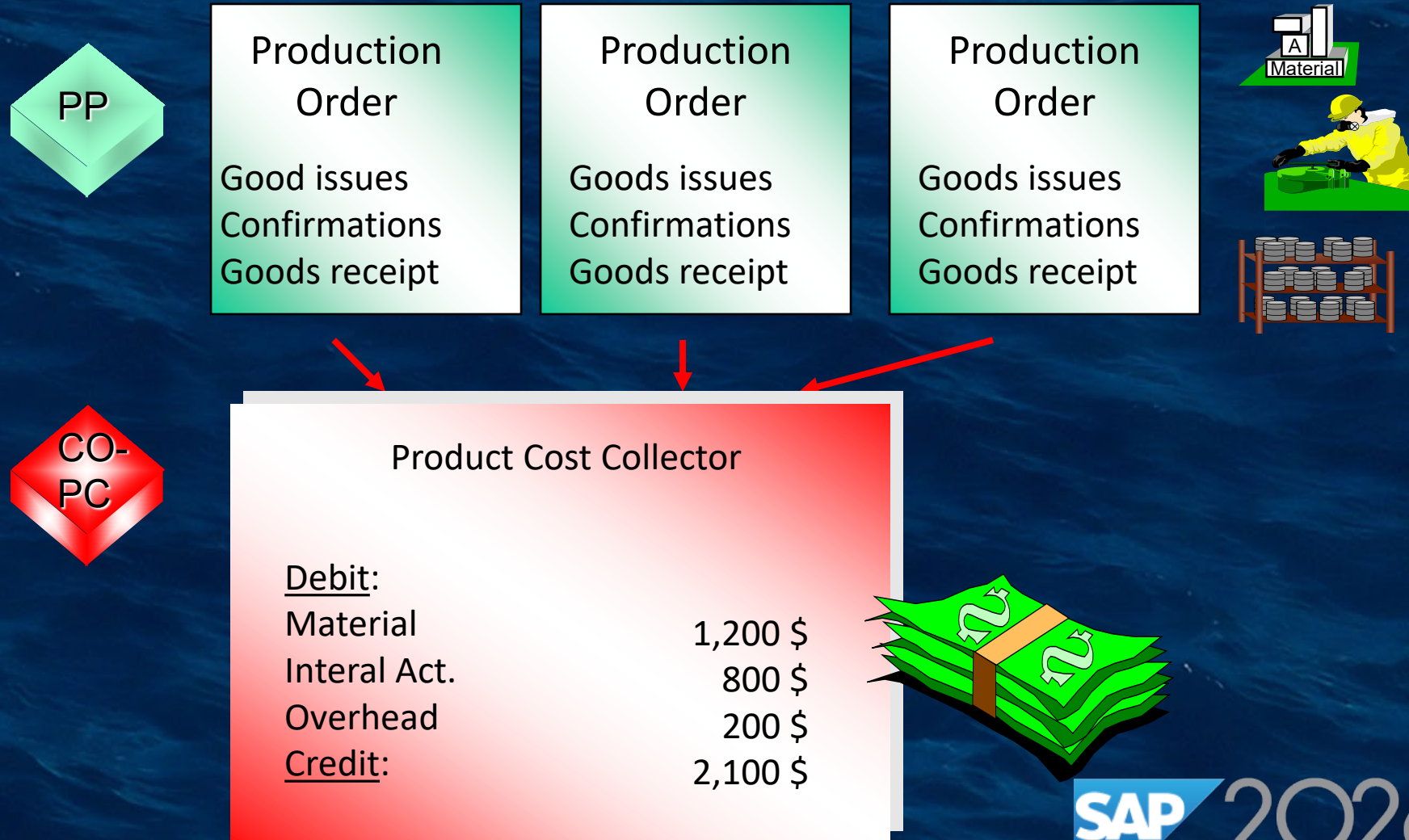
The screenshot shows the 'Manual Settlement' configuration dialog in SAP. On the left is a 'Dialog Structure' tree with the following items: 'Define Event-Based Processing Key' (selected), 'Define WIP Sources' (expanded), 'Assign G/L Accounts', 'Define WIP Account Determination' (expanded), 'Define WIP Account for Source', 'Assign WIP Account Determination to Company Codes', and 'Assign Doc. Type to Company Codes'. The main area is divided into three sections: 'Event-Based Processing Key' with a value of 'RFEBWM' and a description 'Event-Based WIP and Variance Posting Refurb Order-MA'; 'Order Settlement Type' with 'Order Settlement Trigger Type' set to 'Settled Manually'; and 'WIP Calculation Control' with 'WIP Calculation Method' set to 'WIP at Actual Costs'.

Section	Field	Value
Event-Based Processing Key	Event-Based Processing Key	RFEBWM
	Description	Event-Based WIP and Variance Posting Refurb Order-MA
Order Settlement Type	Order Settlement Trigger Type	Settled Manually
	WIP Calculation Control	WIP Calculation Method: * WIP at Actual Costs

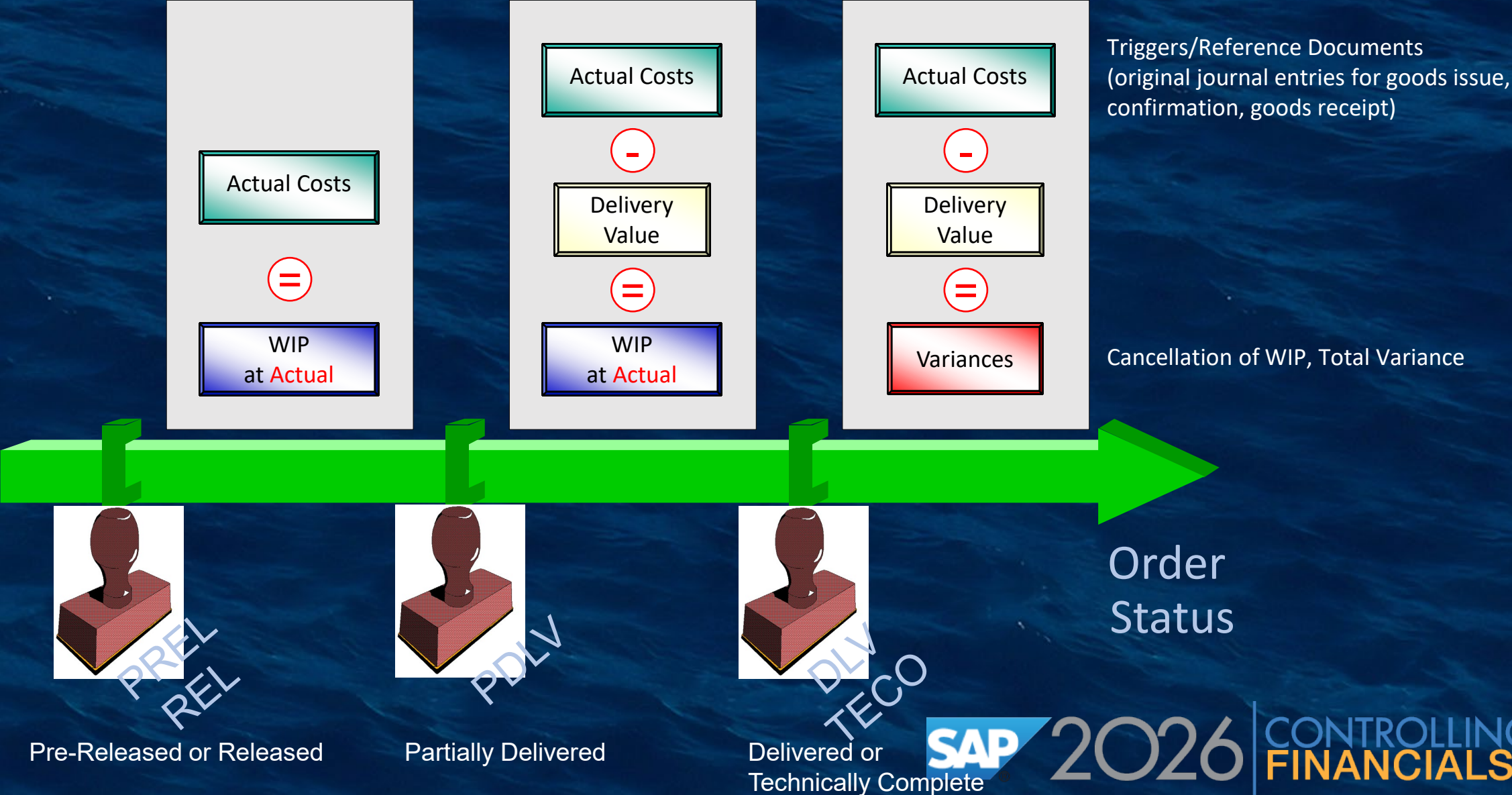
Topic #8 Outlook and Roadmap

Refurbishment Orders, Product Cost Collectors with Assigned Production Orders

Product Controlling by Period: Product Cost Collector with Assigned Production Orders



WIP Calculation for Refurbishment Orders



Five Takeaways

- Event-based Production Accounting is always used in the public cloud and optional in the private cloud and on-premise.
- With Event-based Production Accounting there is no separate CO document, but rather the FI document contains details of the WIP/variances and the market segments impacted.
- The initial delivery in private cloud/on-premise only supported public cloud scope.
- Functional gaps are gradually being closed in private cloud/on-premise as the first customers begin to work with the new solution.
- Don't wait to explore the new approach.

Resources

- [Universal Parallel Accounting in SAP S/4HANA - SAP Community](#)
- [Production Accounting for Universal Parallel Accou... - SAP Community](#)
- [New in Production Accounting – Event-Based Product... - SAP Community](#)
- [The Differences between Traditional and Event-base... - SAP Community](#)

Questions & Answers

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Thanks for attending this session!

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