

# **SAP S/4 HANA Transitions**

Discovery Workshop Overview for Make / Buy / Sell

ASUG Education Welcomes the Kentucky Chapter



# ASUG's 'S/4 Transitions' Approach

- Face-to-face courses with ASUG Membership
  - FI Transitions Class
  - Discovery Workshop
  - Procurement, Fulfillment, Production are under development
  - Other courses are being planned
- Content is based on a review of SAP's Simplification Guide for S/4HANA (currently 1809 FPS 01)
  - When needed, other sources from SAP are used (e.g. S/4HANA Road Maps)
- A consistent content structure for each main business processes (module)
  - Side-by-side comparisons of R/3 vs. S/4HANA capabilities
  - Exercises in S/4HANA to illustrate specific changes

# Content for Each Module

1. Overview
2. Process Enhancements ★
- ~~3. Industry Solution Impacts (when appropriate)~~
4. Future Enhancements (roadmap)
- ~~5. Reporting/Analytics Features~~
6. Data Structure Changes
- ~~7. Interface Implications~~
- ~~8. Obsolete Transactions~~
- ~~9. Security Implications~~
- ~~10. Migration Implications~~
- ~~11. Exercises~~
12. Summary

# Outline

## **10:00 – 10:45**

- SAP S/4 HANA Environment
- SAP Fiori

## **11:00 – 11:45**

- Differences in FI/CO

## **1:00 – 1:45**

- Differences in Procurement
- Differences in Fulfillment

## **2:00 – 2:45**

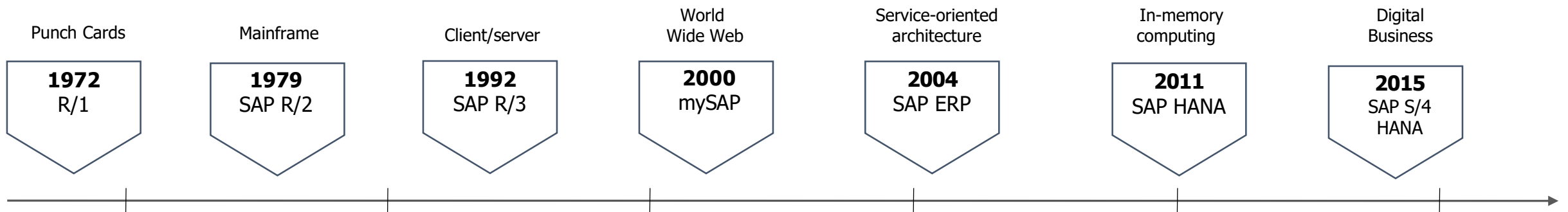
- Differences in Production

# SAP S/4 HANA Overview

- New database: in memory
- New UX: Fiori
- New thinking:
  - OLTP + OLAP in one
  - Greater process focus vs. modules
  - Greater integration



Source: [Introduction to SAP Business Suite 4 SAP HANA](#)



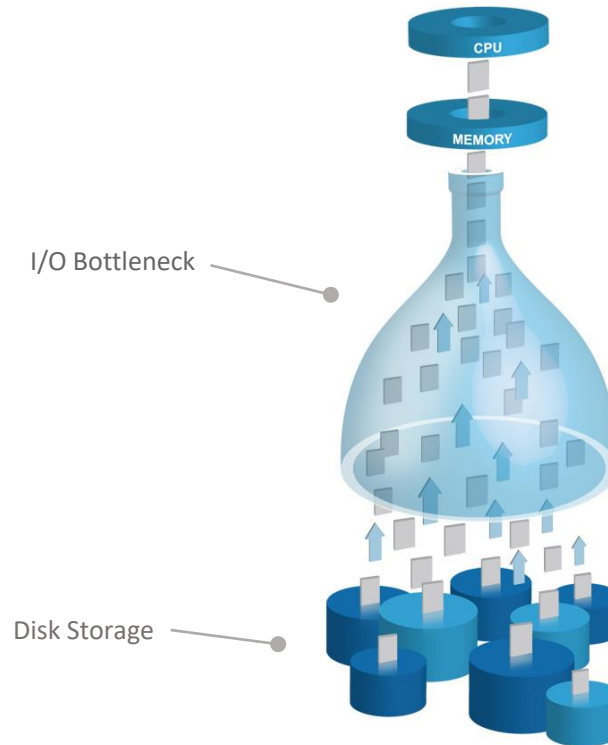
# HANA DB Structure

- In memory
- Row and column store
- Compression
- Aggregates and indices
- Compatibility views

# Old vs New DB Technologies

## ***ERP***

- Relational data structures
  - Normalized
- Disk based
- Computer architecture
  - Disk – Memory – CPU
  - Single core CPU
  - Expensive memory



@2018 SAP SE

## ***S4***

- *Non-normalized*
- In-memory
  - Memory is relatively cheap
- Multi core
- Columnar store

# Row vs. Column Store

*Customer Master*

Customer Number	Customer Name	Shipping Terms	Payment Terms	City	Country
1000	Rocky Mountain Bikes	FOB	Net 30	Denver	US
2000	Big Apple Bikes	FOB	2/10 Net 30	NY City	US
5000	Beantown Bikes	FOB	Net 30	Boston	US
13000	Airport Bikes	CIF	3/10 Net 30	Frankfurt	DE
14000	Alster Cycling	CIF	Net 30	Hamburg	DE
15000	Bavaria Bikes	CIF	Net 30	Munchen	DE

1000	Rocky Mountain Bikes	FOB	Net 30	Denver	US	2000	Big Apple Bikes	FOB	2/10 Net 30	NY City	US	5000	Beantown Bikes	FOB	Net 30	Boston	US
13000	Airport Bikes	CIF	3/10 Net 30	Frankfurt	DE	14000	Alster Cycling	CIF	Net 30	Hamburg	DE	15000	Bavaria Bikes	CIF	Net 30	Munchen	DE



# Row vs. Column Store

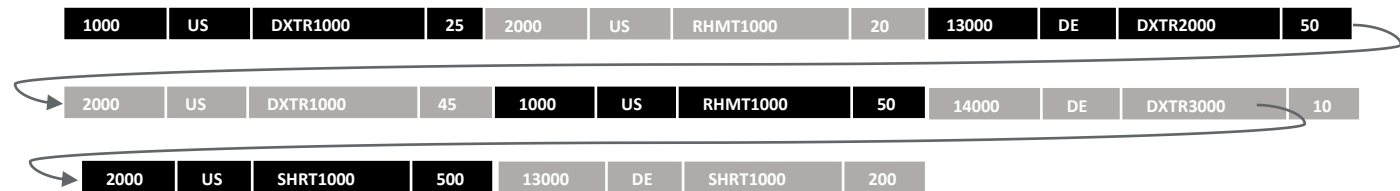
*Sales Data*

Customer	Country	Material	Quantity
1000	US	DXTR1000	25
2000	US	RHMT1000	20
13000	DE	DXTR2000	50
2000	US	DXTR1000	45
1000	US	RHMT1000	50
14000	DE	DXTR3000	10
2000	US	SHRT1000	500
13000	DE	SHRT1000	200

## Types of questions asked

- Total sales
- Total sales by country
- Total sales by customer
- Total sales by product

## Row Store

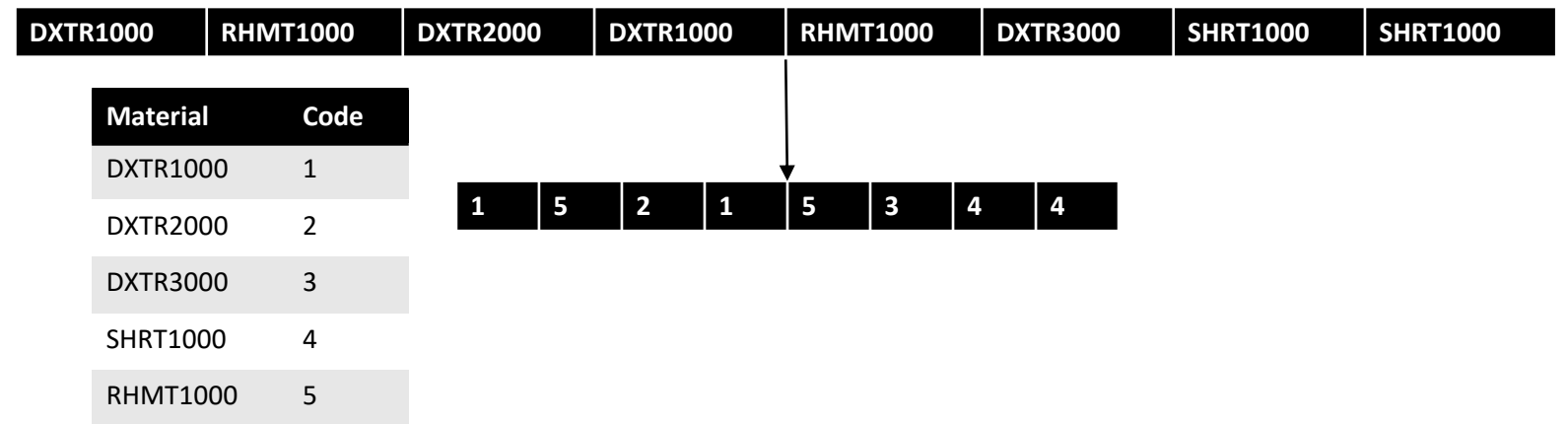


## Column Store

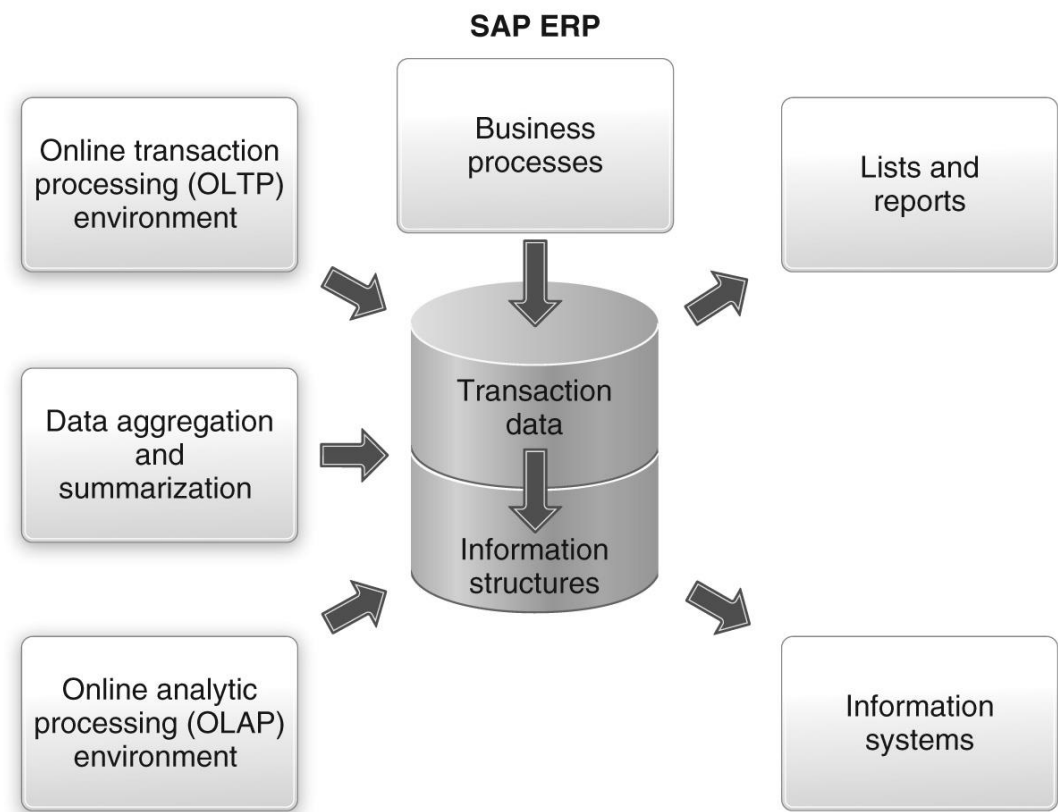


# Compression

- Repeated text
- Replace text (material number) with a number
- Other techniques



# Aggregates and Indices

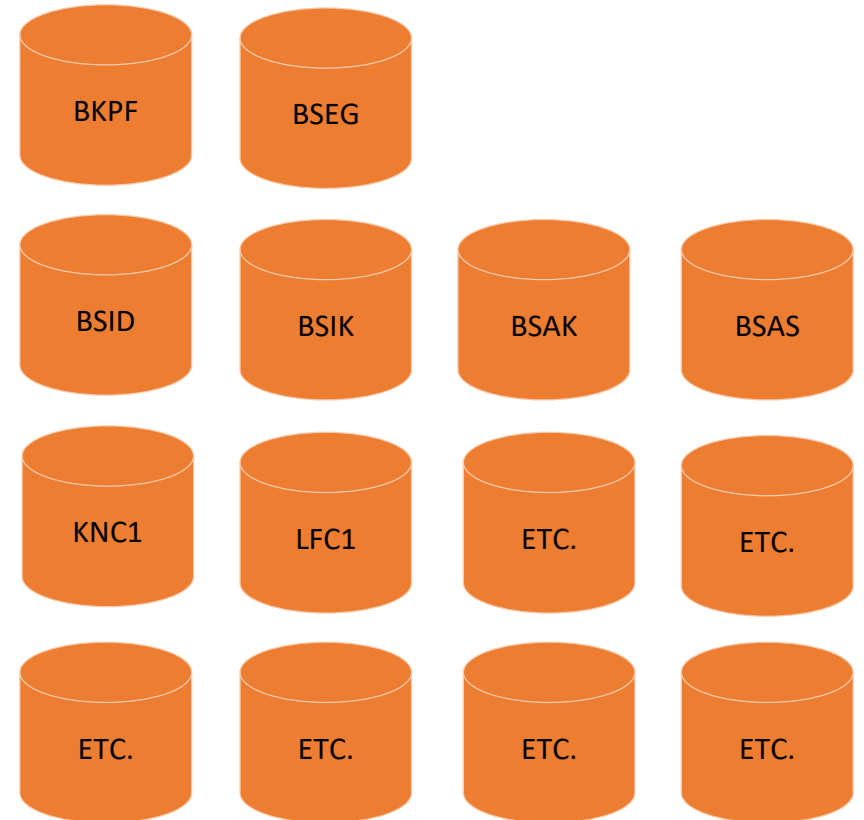


Source: Magal and Word Business Process Integration w/ SAP ERP

Customer	Country	Material	Quantity
1000	US	DXTR1000	25
2000	US	RHMT1000	20
13000	DE	DXTR2000	50
2000	US	DXTR1000	45
1000	US	RHMT1000	50
14000	DE	DXTR3000	10
2000	US	SHRT1000	500
13000	DE	SHRT1000	200

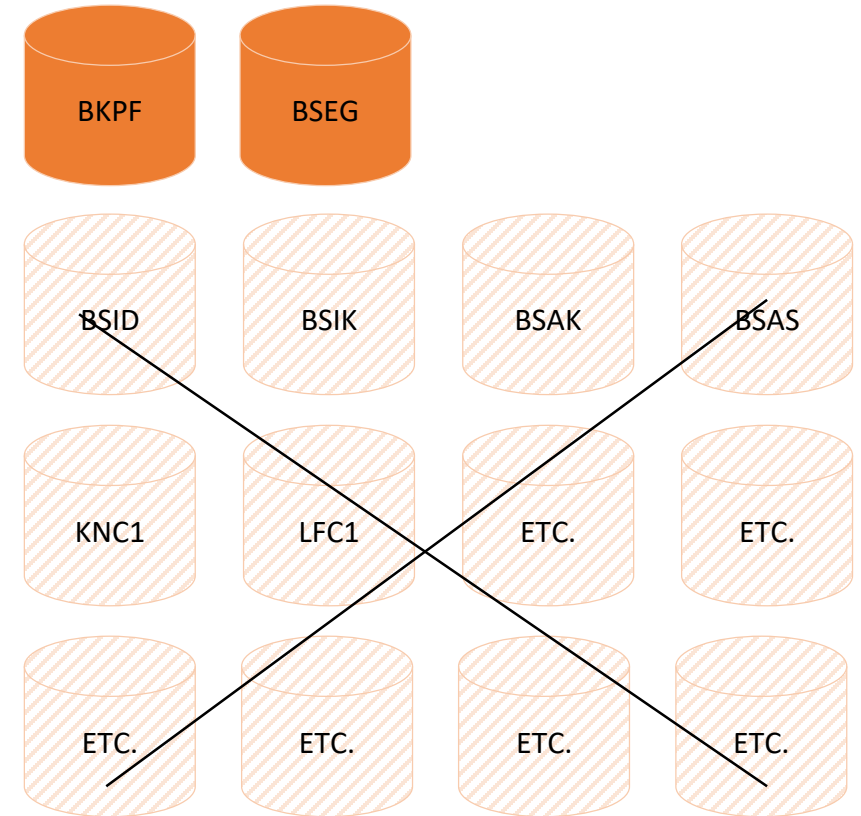
# Data structures in ERP (FI Related)

- Business processes create accounting documents
- Procurement, fulfillment, production, etc.
- Posting are made to the following tables
  - BKPF: Document header
  - BSEG: Line items
  - BSID: Open A/R items
  - BSIK: Open A/P items
  - BSAK: Cleared A/R items
  - BSAS: Cleared A/P items
  - KNC1: Total A/R
  - LFC1: Total A/P
  - Indices to allow for faster retrieval
  - Total of 15 tables

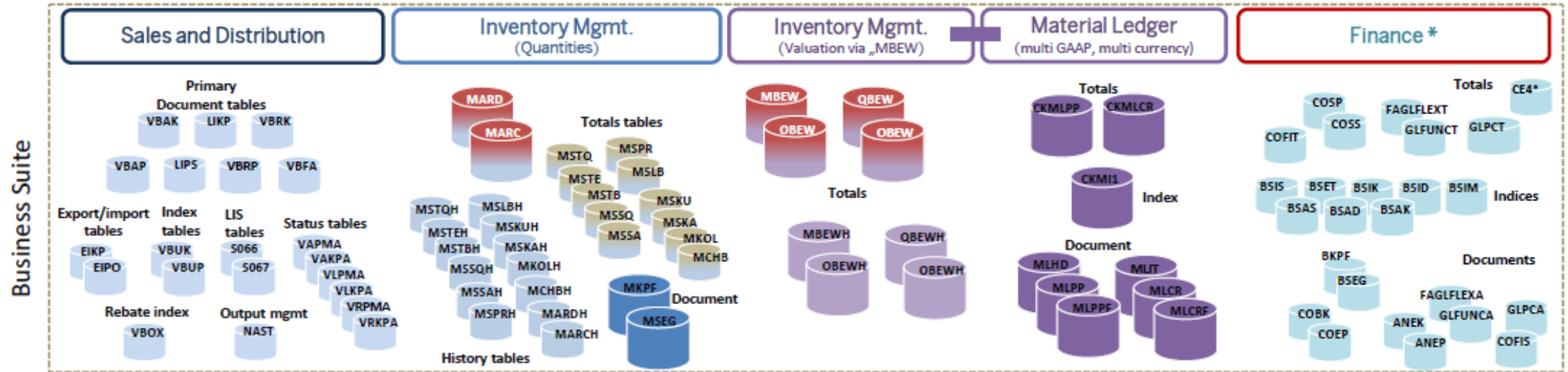


# Data structures in S/4 (FI related)

- Accounting documents are still created
- Posting are still made to
  - BKPF – header table
  - BSEG – line item table
  - Other tables are eliminated
  - Calculations are made on the fly
- New: Universal journal (ACDOCA table)
  - Includes fields for all processes
  - Single source of data

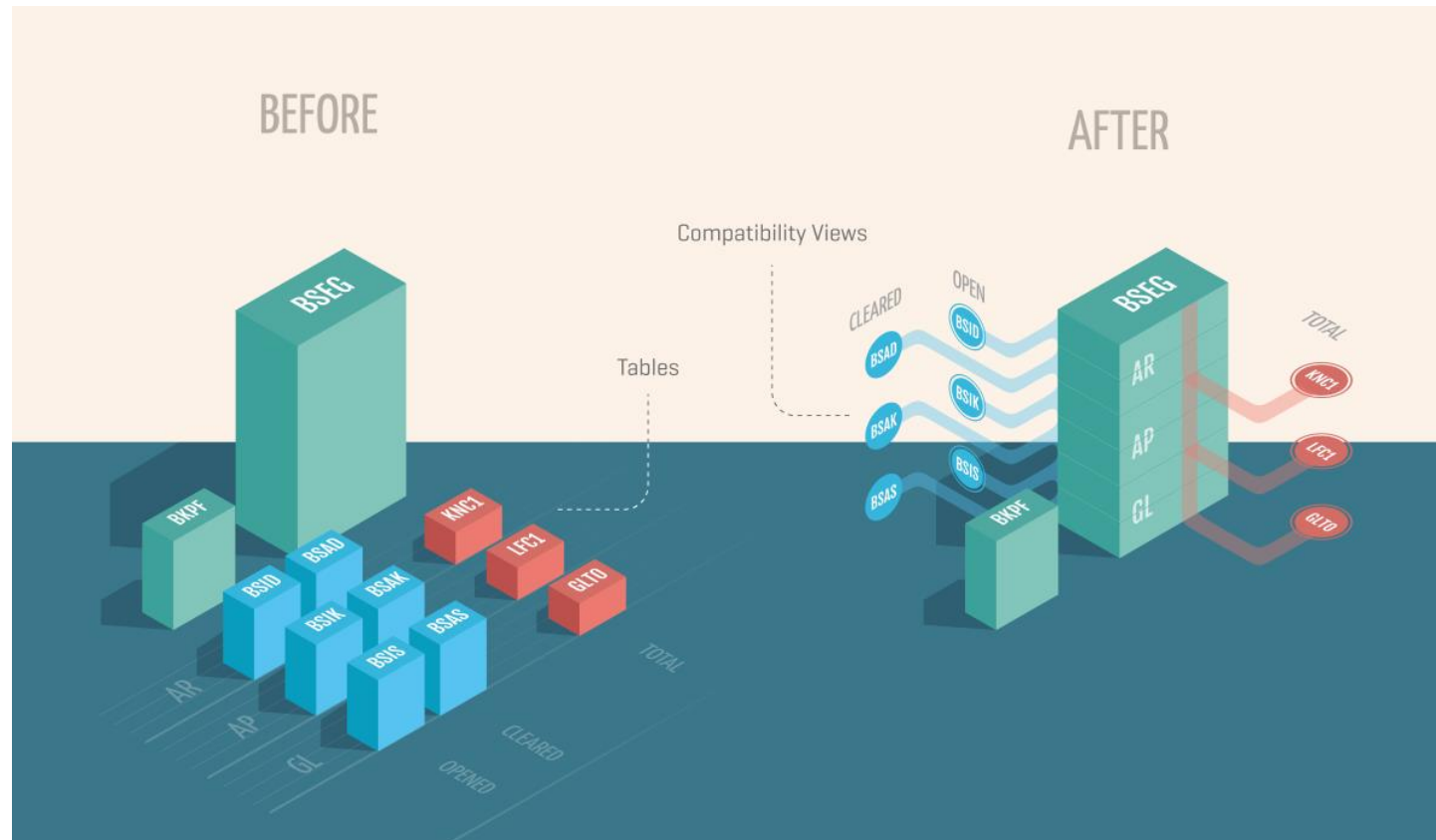


# Data structures in ERP



# Compatibility views

- Compatibility views are maintained for eliminated tables
  - To support older programs (for read access)



Source: [How Simple Finance Removes Redundancy](#)

# Reduced Data Footprint



Adapted from: [S/4 HANA-The future is here!](#)



# HANA DB Structure

- In memory ✓
- Row and column store ✓
- Compression ✓
- Aggregates and indices ✓
- Compatibility views ✓

# Outline

- SAP S/4 HANA Database ✓
- SAP Fiori
- Differences in FI/CO
- Differences in Procurement
- Differences in Fulfillment
- Differences in Production

# Fiori Introduction

# SAP S/4 HANA Overview

## SAP Fiori principles



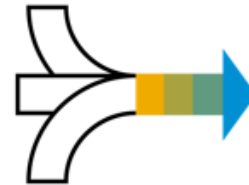
ROLE-BASED



ADAPTIVE



SIMPLE



COHERENT

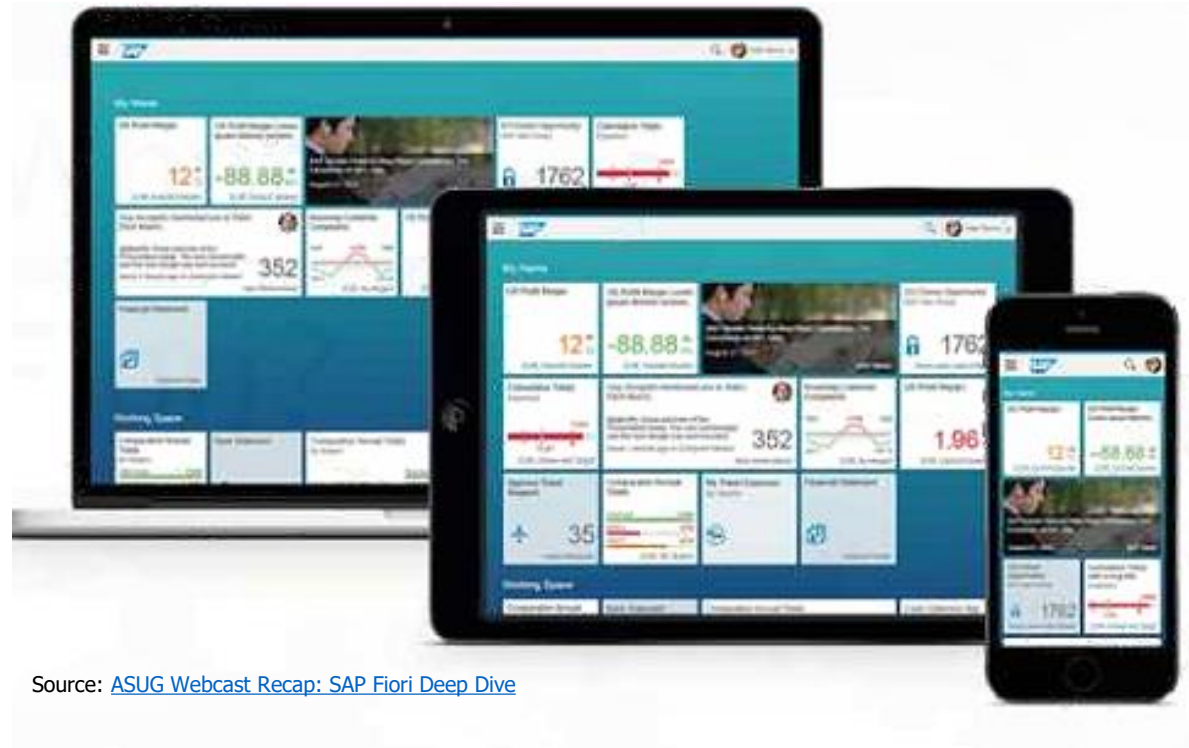


DELIGHTFUL

Source: [Seven Reasons Why You Should Become an SAP Fiori Developer](#)

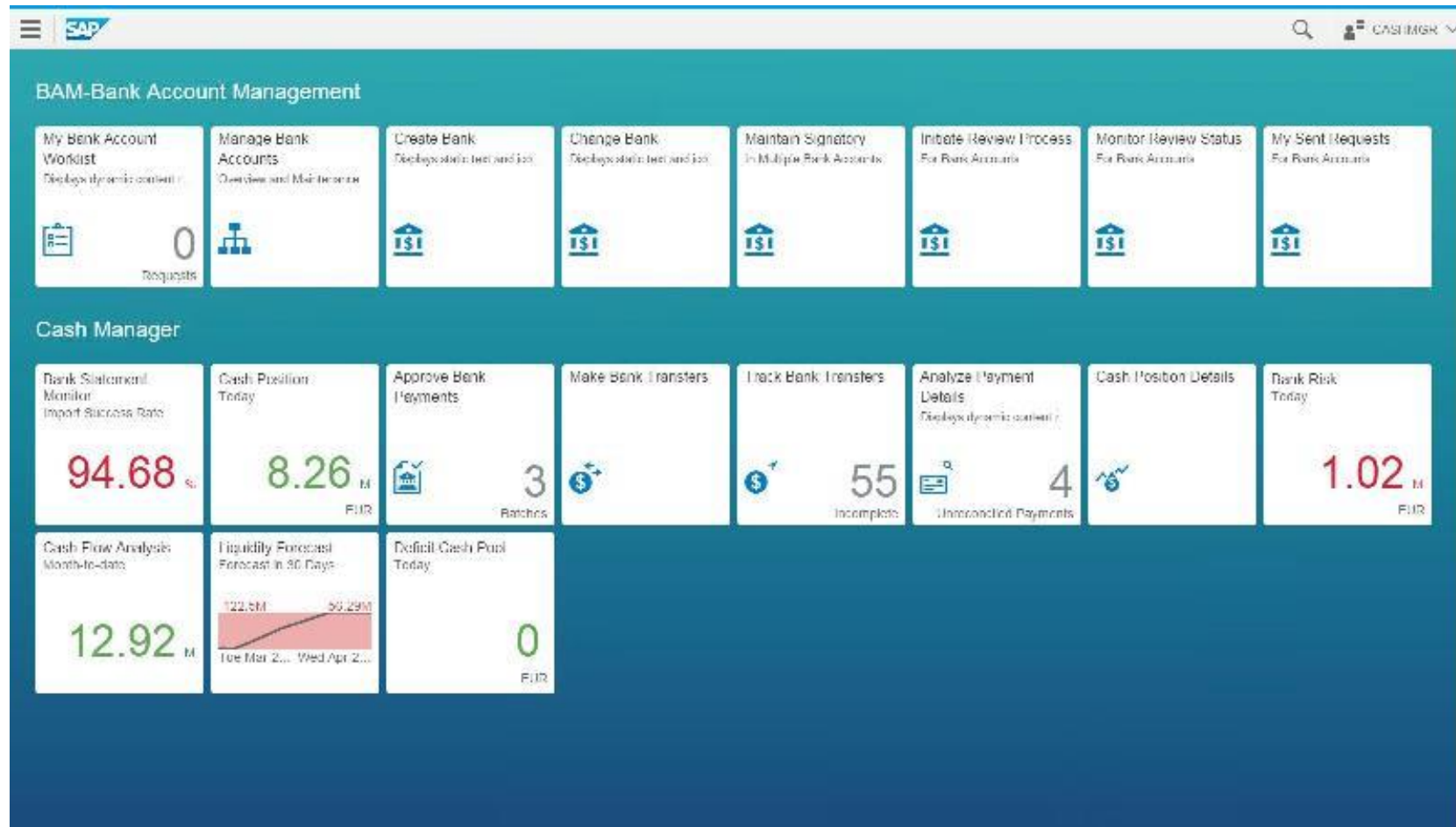
# Fiori: Adaptive

- Responsive to any device



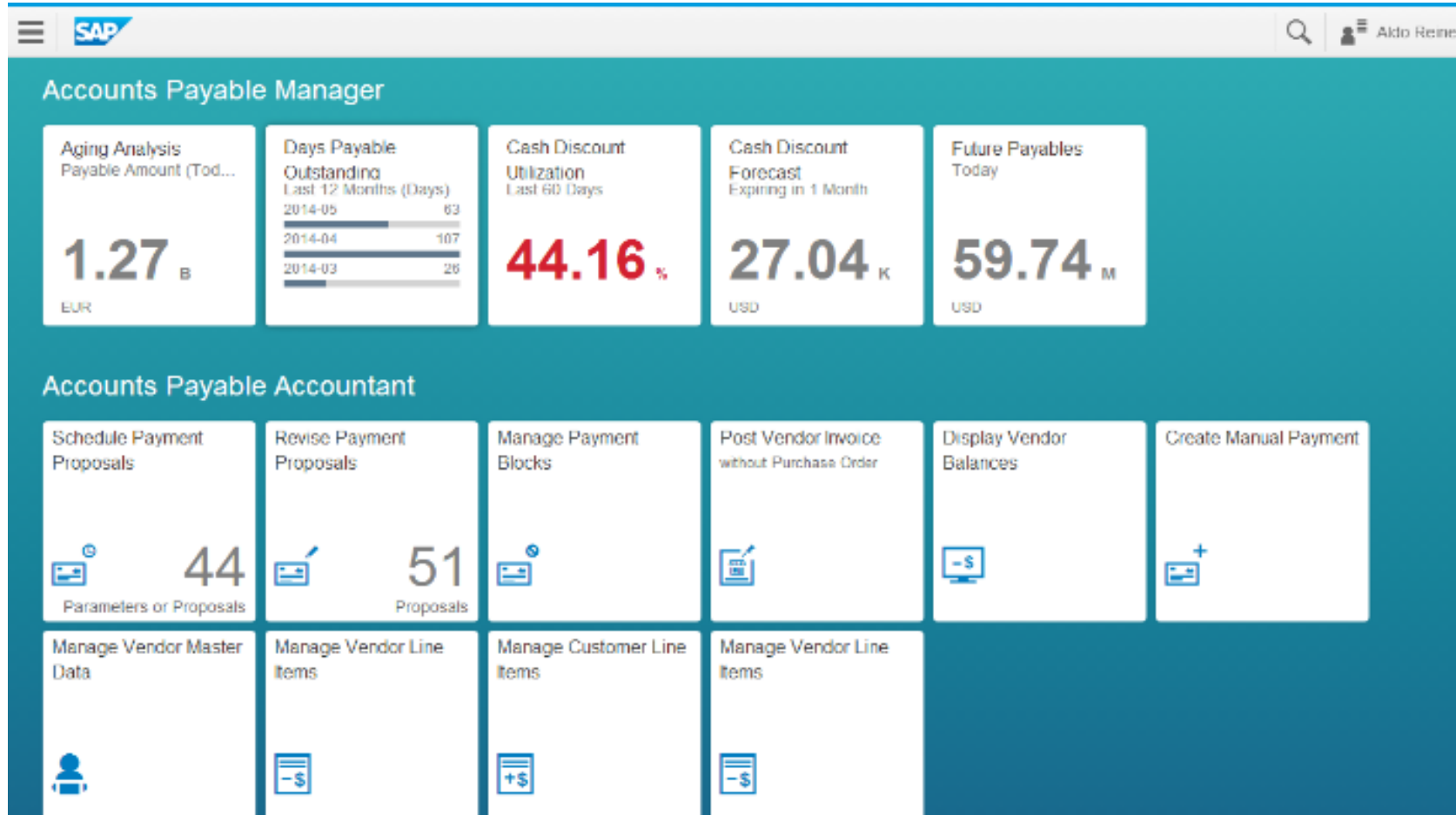
Source: [ASUG Webcast Recap: SAP Fiori Deep Dive](#)

# Fiori: Role Based



Source: [Fiori Launchpad Plugins](#)

# Fiori: Role Based



Source: [S / 4HANA Finance versus SAP ECC \(R / 3\)](#)

# Fiori: Launchpad

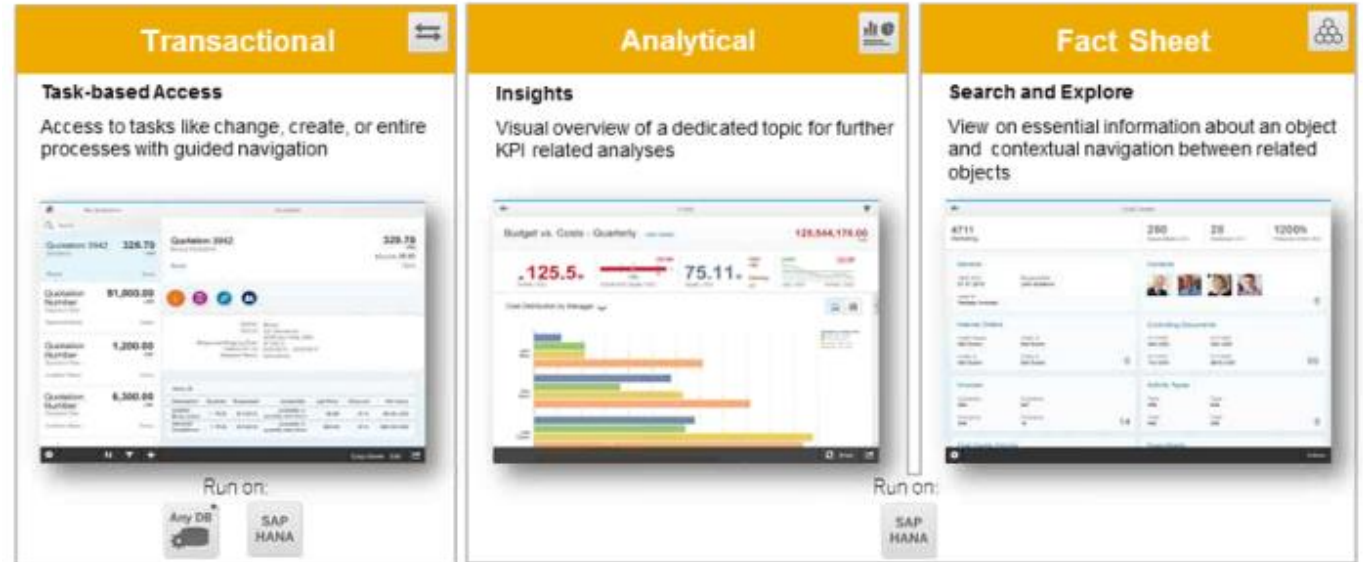
The screenshot displays the SAP Fiori Launchpad interface. At the top, there is a header bar with the SAP logo, a user icon, and the word "Home". Below the header, a navigation bar lists several business process categories: "General Ledger Accounting", "The Fulfillment Process", "The Procurement Process", "Master Data", and "Inventory Management". The "General Ledger Accounting" category is currently selected, showing a grid of six tiles: "Display Chart of Accounts", "Manage G/L Account Master Data", "Post General Journal Entries", "Manage Journal Entries", "Display G/L Account Balances", and "Display G/L Account Line Items". Below this, the "The Fulfillment Process" category is selected, showing a grid of seven tiles: "Sales Orders Actuals", "Manage Sales Orders" (with a count of 5), "Create Outbound Deliveries", "Outbound Deliveries", "Pick Outbound Delivery", "Analyze Outbound Delivery Logs", and "Create Billing Documents" (with a count of 0 and a sub-label "Billing Due List Items"). A second row of tiles is also visible under "The Fulfillment Process", including "Display Billing Documents", "Manage Billing Documents", "Sales Order Fulfillment Analyze Issues Beantown Bikes" (with a count of 2), "Sales Order Fulfillment Resolve Incomplete ..." (with a count of 0), "Sales Order Fulfillment Issues in Next 7 Days Overdue" (with a count of 2), "Sales Order Fulfillment Resolve Issues" (with a count of 2), and "Post Incoming Payments".

Demo: Fiori Launchpad



# Fiori: Type of Apps

- Transactional
  - Create, display, change
  - Combines data from multiple transactions
- Fact sheets
  - Essential information in context
  - Material, customer, vendor, etc.
- Analytical
  - KPIs
  - Insights



Source: [ASUG Webcast Recap: SAP Fiori Deep Dive](#)

Demo: T, FS, A apps

# Outline

- SAP S/4 HANA Database ✓
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# Finance and Controlling

# Overview

Major characteristics for Finance\* and Controlling transition from R/3 ECC to S/4 HANA

- Assumes migration to 'New General Ledger Accounting'
- Implementation of Universal Journal
  - Tighter FI/CO integration
  - Controlling and Material Ledger Activation is automatic
  - Reduced data footprint
  - Reduced Reconciliation needs
- Consolidation of FI & CO Master Data
- Intelligent Finance Capabilities

# FI Process Changes

## Changes:

- Universal Journal and enhanced FI/CO integration (SG1809/01/13.1 )
- Controlling and Material Ledger activation is no longer optional
- Country specific transaction codes changes (SG1809/01/38.1, 38.2, 38.3)
- Improved currency capabilities (SG1809/01/3.4)

## Architecture shift:

- FSCM Biller Direct is no longer the target architecture for self service Accounts Payable and Accounts Receivable (SG1809/01/9.2)
- Closing cockpit is available, but no longer considered the target architecture. (SG1809/01/13.3)
- Credit Management (FI-AR-CR) is not available as part of SAP S/4HANA and is replaced. (SG1809/01/16.1)

## No longer available:

- Cash and Liquidity Management (Cash Management and Liquidity Planner) is not available in SAP S/4HANA (SG1809/01/11.1)
- Differentiation-category dependent Financial Services data cannot be read or maintained after release 1610 (SG1809/01/16.6)
- The Product Design Cost Estimate (PDCE) solution is not available in SAP S/4HANA (SG1809/01/16.7)

# Controlling Process Changes

## Changes:

- [Cost elements become part of the chart of accounts](#) (SG1809/01/12.9)
  - No separate cost elements (they are a type of “account”)
  - New account type: secondary costs (to separate from GL accounts)
  - Cost element categories are attributes in the universal journal
- The universal journal includes columns for the standard CO-PA characteristics and all additional characteristics included in an organization’s operating concern (up to fifty characteristics). (SG1809/01/12.11)
- Summarization Hierarchies in Controlling are now calculated real-time (SG1809/01/12.2)
- SAP BPC: Use in S/4HANA is currently optional, classic FI-GL and CO-OM planning functions& transactions are still available, but will be obsoleted eventually. (SG1809/01/12.5; SG1909/01/8.3)
- CO-OM planning, P&L planning, and profit center planning are now covered by SAP BPC for S/4HANA Finance (formerly known as Integrated Business Planning) (SG1809/01/12.5)

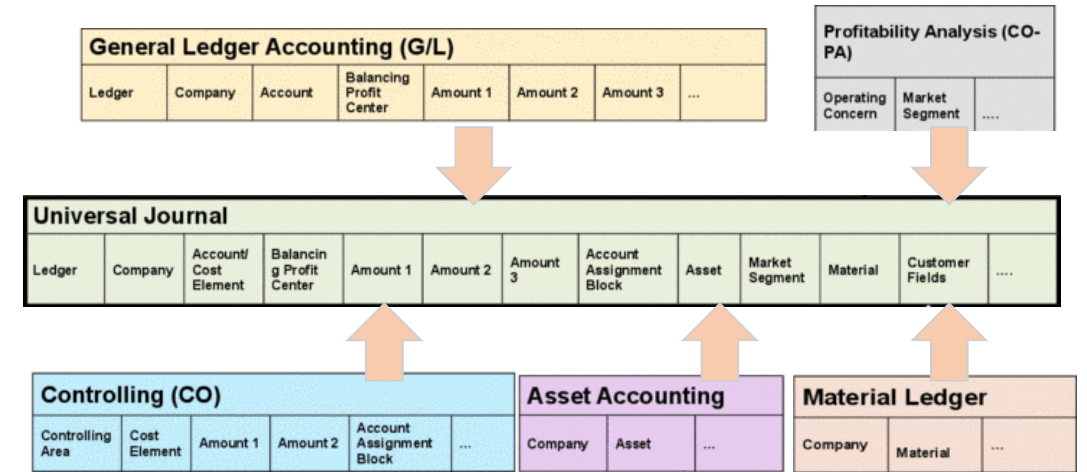
# Controlling Process Changes

## **No longer available/supported:**

- General Cost Objects and Cost Object Hierarchies are not available within SAP S/4HANA (SG1809/01/12.7)
- The creation of cost estimates with reference to base planning objects is no longer supported in SAP S/4HANA.  
(SG1809/01/12.1)
- Activity Based Costing: Delta versions used for parallel calculation are no longer supported in SAP S/4HANA.  
(SG1809/01/12.6)

# The Universal Journal

- ACDOCA Table: The Universal Journal
  - Eliminates tables for FI, AA, CO, and ML
  - BKPF and BSEG tables still exist
- “Single Source of Truth” for financials
- Reconciliation and settlement between tables (processes) eliminated
- Requires new configuration steps
  - Activation of the material ledger is mandatory



Source: [help.sap.com](https://help.sap.com)

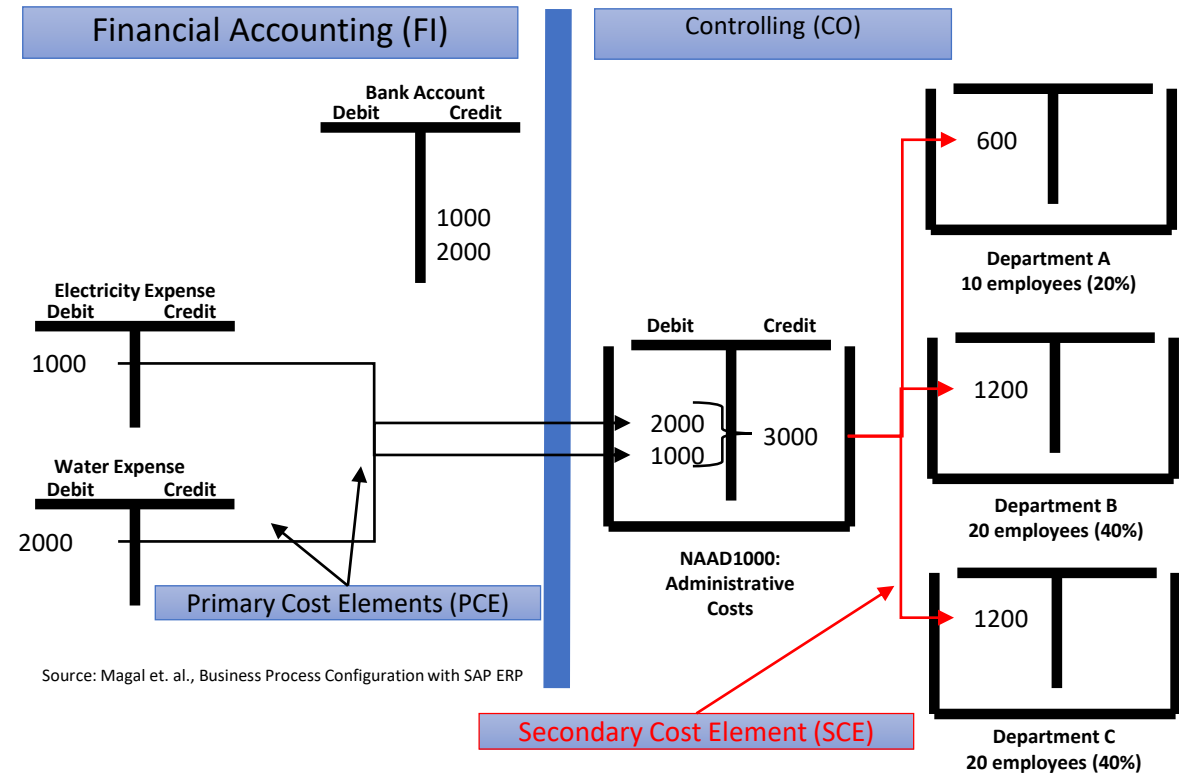


# FICO Integration in S/4 HANA

- FI postings
  - Same as in ECC
- CO postings
  - Always associated with FI
    - Because all postings are in the universal journal
  - Postings within CO are reflected in FI
- Key changes (associated with universal journal)
  - Controlling integration is automatic
  - No separate cost elements
    - Cost elements are a type of “account”
    - New account type: secondary costs
    - Cost element categories are attributes in the universal journal





# FI CO Integration

- FI Postings
  - Journal entries
  - Invoices
  - Payments
- CO Postings
  - From FI (w/ CO object)
  - Within CO
    - Periodic allocation
    - Internal activity allocation
    - Internal order settlement
    - Not recognized in FI (R/3)
    - Need for reconciliation (R/3)

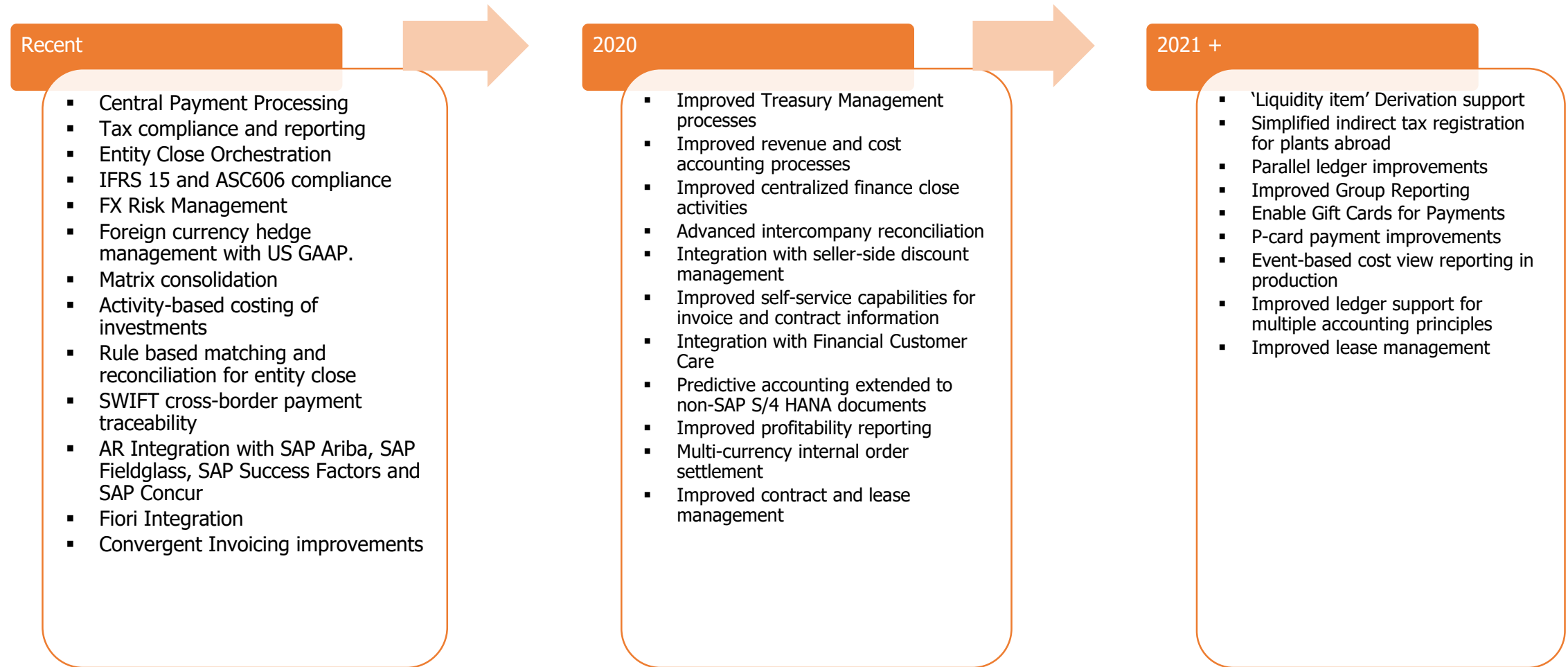


# Material Ledger – Inventory Valuation

- Material ledger is part of the universal journal
  - Separate ML tables no longer maintained
- Activation of material ledger is mandatory
  - Required for material valuation
  - Acts as inventory subledger
  - Permits valuation in multiple (3) currencies

	Valuation Area	Company Code	Mat...	Status	ML Act.	Price Deter.
	DL00	US00	9000		<input checked="" type="checkbox"/>	2
	HD00	DE00	9000		<input checked="" type="checkbox"/>	2
	HH00	DE00	9000		<input checked="" type="checkbox"/>	2
	MI00	US00	9000		<input checked="" type="checkbox"/>	2

# FI Future Enhancements (roadmap)



Adapted from SAP S/4HANA Road Map – October 2019: <https://www.sap.com/products/roadmaps/finder-products.html#pdf-asset=b4f98b5d-c37c-0010-82c7-eda71af511fa&page=9>

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- SAP S/4 HANA Database ✓
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# Procurement

# Procurement Process Changes

## Changes:

- [Business Partner Approach](#) (SG1809/01/3.15, 2.19, 3.3, 3.8, 3.28 )
- New Batch Management transactions (SG1809/01/3.3)
- Transaction MIGO is now the primary inventory management tool for all processes in S/4 HANA. Subtle screen changes. (SG1809/01/24.5)

## Architecture Shifts:

- LIS based vendor evaluation is no longer considered the 'future architecture' for this capability. (SG1809/01/35.12)
- Request for Quote with required supplier is no longer considered the 'future architecture' (SG1809/01/35.7)
- FSCM Biller Direct is no longer the target architecture for self service Accounts Payable (SG1809/01/9.2)

## No Longer Available:

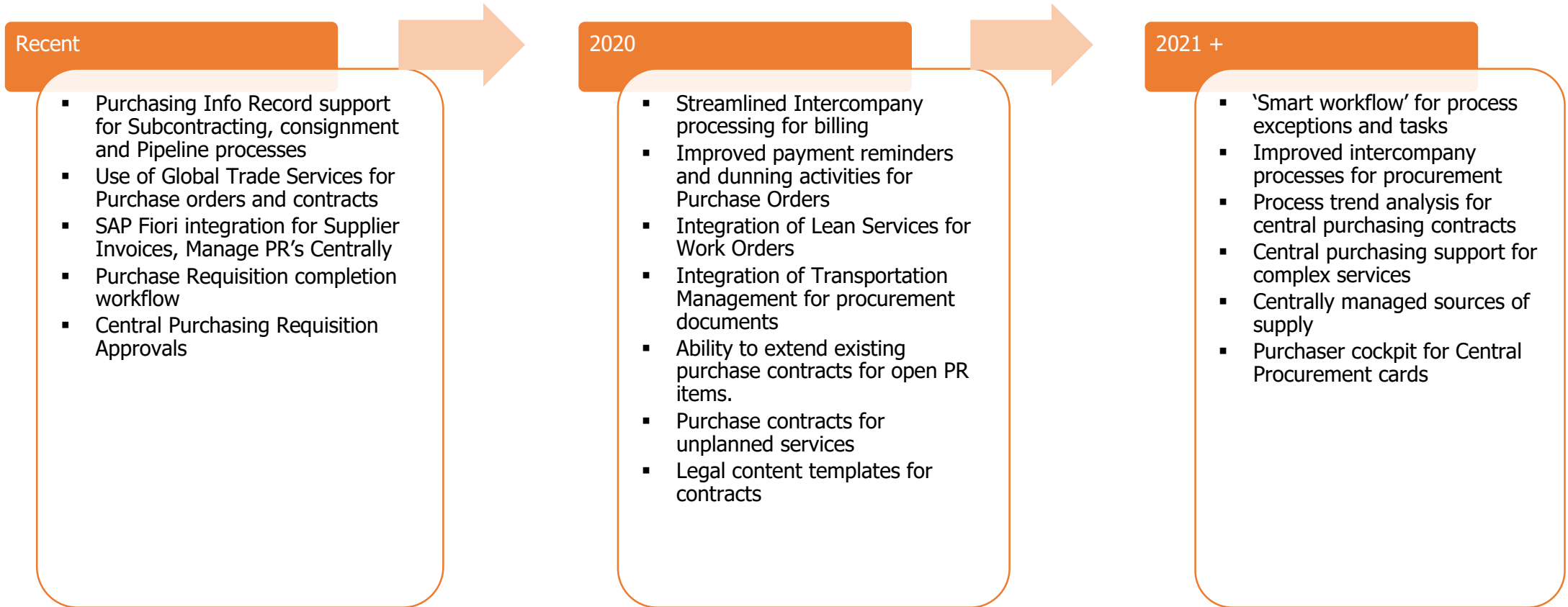
- WebDynpro Applications are no longer available.. (SG1809/01/35.1 & 35.8)
- Invoice Forecasting Worklist is no longer available (SG1809/01/22.2)

# Procurement 'Moves' in functionality

- Supplier Relationship Management functionality (SRM) moves to SRM [Self-Service Requisitioning](#) (SG1809/01/35.9)
- SAP Supplier Lifecycle Management (SAP SLC) as been consolidated into Supplier and Category Management together with [SAP Ariba](#) solutions (SG1809/01/35.3, 35.4, 35.11)
- "Supplier Distribution" master data capabilities in SLC are now part of [Master Data Governance – Supplier](#) (MDG-S) and requires a separate license (SG1809/01/35.4)
- "Foreign trade solution" capabilities will now be delivered via [SAP's Global Trade Solutions](#) (SG1809/01/35.6)
- "Old Architecture" Catch Weight Management (CWM) is being replaced with "New Architecture" CWM (SG1809/01/24.11)
- ERP Shopping Cart capability is being replaced by Self-Service Requisitioning (SG1809/01/35.13)



# Procurement Future Enhancements (Roadmap)



Adapted from SAP S/4HANA Road Map – October 2019: <https://www.sap.com/products/roadmaps/finder-products.html#pdf-asset=b4f98b5d-c37c-0010-82c7-eda71af511fa&page=32>

# Outline

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# Fulfillment

# Overview

Major Fulfillment functionality implications for the transition from SAP R/3 to S/4 HANA:

- Customer Master Data is now tightly integrated with Vendor via 'Business Partners'
- A number peripheral capabilities move to other areas in S/4 HANA or other SAP Products
- A number of small, "stand alone" changes have also been made
- Output Condition architecture has changed

# Fulfillment Process Changes

## Changes:

- [Business Partner Approach](#) (SG1809/01/3.15, 2.19, 3.3, 3.8, 3.28 )
- Billing document output determination logic has changed (SG1809/01/36.4)
- Revenue Recognition changes (SG1809/01/36.13)

## Architecture Shift:

- FSCM Biller Direct is no longer the target architecture for self service Accounts receivable (SG1809/01/9.2)
- Logistics Execution Transportation (LE-TRA) is no longer the target architecture (SG1809/01/32.1)

## No Longer Available:

- Invoice Forecasting Worklist is no longer available (SG1809/01/22.2)
- Internal Sales Reps role & Worklists are no longer available (SG1809/01/36.1)
- Public Sector billing for contractors no longer available (SG1809/01/36.16)

# Fulfillment 'Moves' in functionality

- WebShops functionality is not available in S/4HANA, functionality is available in [SAP C/4HANA Commerce Cloud](#). (SG1809/01/36.2)
- Computer Aid Selling is not available in S/4HANA, functionality is available in SAP CRM (SG1809/01/36.3)
- SD Rebate Processing functionality is being replaced by Settlement Management (SG1809/01/36.5, 36.14)
- Foreign Trade functionality is being replaced by [Global Trade Services \(GTS\)](#) (SG1809/01/36.11)
- "Old Architecture" Catch Weight Management (CWM) is replaced with "New Architecture" CWM (SG1809/01/24.11)
- "Old Architecture" Credit Management (FI-AR-CR) is replaced with "New Architecture" SAP Credit Management (FIN-FSCM-CR) (SG1809/01/36.12)
- Product Catalog web-channel processes will be delivered via SAP Hybris Product Catalog, aka [SAP C/4HANA Commerce Cloud](#) (SG1809/01/3.4)

# Fulfillment Future Enhancements (Roadmap)



Adapted from SAP S/4HANA Road Map – October 2019: <https://www.sap.com/products/roadmaps/finder-products.html#pdf-asset=b4f98b5d-c37c-0010-82c7-eda71af511fa&page=32>

# Outline

- SAP S/4 HANA Database ✓
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- Differences in Fulfillment ✓
- Differences in Production



# Production and MRP

# Overview

Major Production functionality implications for the transition from SAP R/3 to S/4 HANA:

- Inventory Management changes
- Production Version Master Data
- Obsolescence and replacement of Process Industry functionality
- MRP Classic changes to accommodate new planning architecture

# Production Process Changes

## Changes:

- [Inventory Management Changes](#) (SG1809/01/24.5)
- Production Versions are now required master data (SG1809/01/25.7)
- New Batch Management transactions (SG1809/01/3.3)
- Sequence planning for planned orders in repetitive manufacturing is now available via PPDS (SG1809/01/27.1)

## No Longer Available:

- Electronic Records legacy functionality no longer available (SG1809/01/27.13)
- Downtime functionality is no longer available (SG1809/01/27.14)
- Process Flow Scheduling is no longer available (SG1809/01/27.26)

# Production Process Changes

- Functionality available in S/4HANA, but no longer considered as 'future technology`
  - Process Operator Cockpits (SG1809/01/27.23)
  - Legacy Digital signature (SG1809/01/27.12)
  - Production Campaign (SG1809/01/27.18)
  - Electronic batch record (EBR) (SG1809/01/27.19)
  - Process Messages (SG1809/01/27.19)
  - Control Receipts (SG1809/01/27.19)
  - Material Identification/Reconciliation (SG1809/01/27.24)
  - Flow Manufacturing (SG1809/01/27.25)
  - Batch History (not to be confused with Batch Where Used) (SG1809/01/27.29)
  - Logistic Information System in PP (SG1809/01/27.34)
  - Browser-based Process Instruction-Sheets/Electronic Work Instructions (SG1809/01/27.37)
  - Process Data Evaluation (SG1809/01/27.16)
  - Process Messages (SG1809/01/27.20)
  - Control Receipts & Control Instructions (SG1809/01/27.21)

# MRP 'Classic' Process Changes

- Option to implement NEW 'MRP Live' or remain on MRP Classic (upgrade to MRP Live at any time) (SG1809/01/27.2)
- MRP Classic:
  - **Changes:**
    - Certain MRP master data no longer required (SG1809/01/3.21)
    - Sourcing logic has changed (27.36)
    - Forecasting Algorithms have changed slightly (SG1809/01/27.6)
    - MRP logic for subcontract manufacturing has been modified (SG1809/01/27.11)
  - **Architecture Shift:**
    - Computer Aided Process Planning (CAPP) is defined as "not strategic any more" (SG1809/01/27.6)
    - Graphical planning table is no longer considered as the target architecture (SG1809/01/27.33)
    - Sales and Operation Planning table (S&OP) is no longer considered as the target architecture (SG1809/01/27.35)
  - **No Longer Available**
    - Net Change Planning is no longer supported (SG1809/01/27.3)
    - TOTAL dependent requirements is no longer supported (SG1809/01/27.4)
    - ABAP list-based PI sheets no longer supported (SG1809/01/27.9)
    - Planning at Storage Location level is no longer supported (SG1809/01/27.22)
    - Production versions no longer use reference routings, rate routings, and rough-cut profiles in parallel (SG1809/01/27.27)
    - Planning inside the planning horizon is no longer available (SG1809/01/27.28)

# MRP Classic vs. MRP Live – 1/3

S.No	Feature	Classic MRP	MRP Live
1	MRP list	MRP parameter "Create MRP list" can be used to control whether MRP list should be created.	No MRP lists are written by MRP live as MRP lists were intended for checking the MRP result.
2	Scope of planning	MRP parameter "Scope of planning" can be used to combine a group of plants or MRP areas.	Scope of planning is not supported. MRP Live can plan many materials in many plants. It always plans all MRP Areas.
3	Creation indicators	Classic MRP has a complicated set of rules for instructing the MRP run to create either purchase requisitions or planned orders for externally procured materials.	MRP live on HANA always creates purchase requisitions for externally procured materials and schedule lines if there is valid scheduling agreement or source list with scheduling agreement. MRP live on HANA always creates planned orders for inhouse production materials.
4	Opening period	In classic MRP, parameter "Creation indicator for Purchase Requisitions" can be set as 2:Purchase requisitions in opening period.	MRP live on HANA doesn't consider opening period.
5	Planning horizon	MRP parameter "Processing key" NETPL can be set on ERP systems, but it is removed in S/4HANA systems.	MRP live doesn't support planning horizon

From S/4HANA Classical MRP vs MRP Live : <https://blogs.sap.com/2019/03/25/s4hana-classical-mrp-vs-mrp-live/>

# MRP Classic vs. MRP Live – 2/3

S.No	Feature	Classic MRP	MRP Live
6	Processing key	MRP parameter "Processing key" NETPL can be set on ERP systems, but it is removed in S/4HANA systems.	The indicator "Regenerative planning" in MRP live replaces the MRP parameter "Processing key". If it is set, it works similar like processing key = NEUPL in classic MRP.
7	Scheduling	On ERP systems, if MRP parameter "Scheduling" is set to "2 Lead Time Scheduling and Capacity Planning", Detailed planning, Rate-based planning, Rough-Cut Planning are all supported.	On S/4HANA systems only detailed scheduling is supported.
8	Planning mode	Classic MRP t-codes have 3 options for planning mode: 1 Adapt planning data (normal mode) 2 Re-explode BOM and routing 3 Delete and recreate planning data	No planning mode 2. Planning mode 1 works different from classic MRP. For planning mode 1, either 100% reuse or delete and re-create. AMDP BADI PPH_MRP_REUSE_BADI can be used to influence system behavior.
9	Simulation	T-code MD02 has 2 indicators "Simulation mode" and "Display results prior to saving" to simulate MRP run. T-code MD03 has an indicator "Display results prior to saving".	MRP live doesn't have simulation mode.
10	BOM components	T-code MD02 can be used to run MRP for single-item, multi-level. There is also an indicator "Also plan unchanged components".	MRP live has an indicator "BOM components" if components are also to be planned.

From S/4HANA Classical MRP vs MRP Live : <https://blogs.sap.com/2019/03/25/s4hana-classical-mrp-vs-mrp-live/>

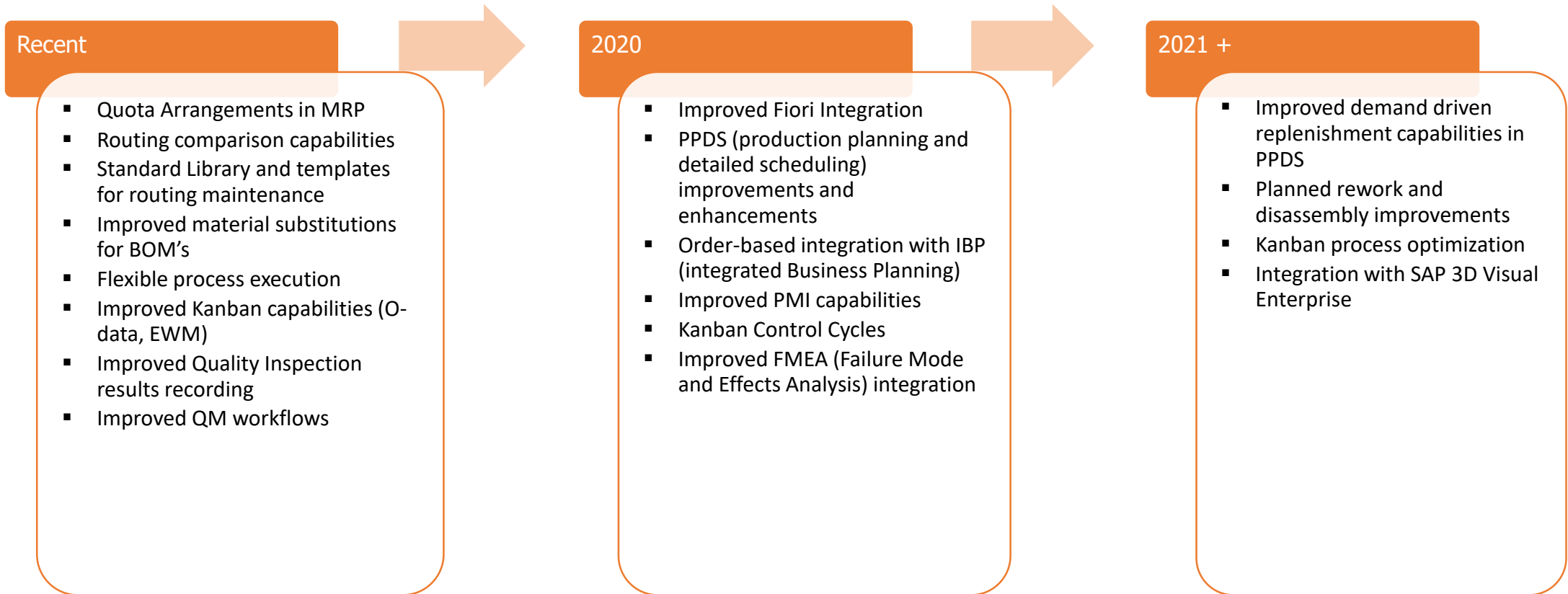
# MRP Classic vs. MRP Live – 3/3

S.No	Feature	Classic MRP	MRP Live
11	MPS planning	T-codes MD40/MD41/MD42/MD43 can be used to run MPS planning. These t-codes are obsolete in S/4HANA systems.	Field "Material scope" is added in MRP live. If it is set to "S" or "A" MPS materials are planned.
12	Stock transfer materials	Classic MRP can use the field "Scope of planning" to plan both supplying plant and receiving plant.	Indicator "Stock transfer materials" is added in MRP live to control whether you want to plan materials in the supplying plants during the planning run for stock transfer.
13	Performance log	Reports RMMDMONI and RMMDPERF can be used to analyze classic MRP performance.	New field "Name for Performance Log" is added in MD01N. Performance logs can later be checked by t-code MD_MRP_PERFLOG. No Performance Log per material.
14	MRP controller	User exit M61X0001 can be used to influence which materials are selected to be planned during classic MRP run.	Fields "Product group" and "MRP Controller" are added in MRP live.
15	User exit key	User exit M61X0001 can be used to influence which materials are selected to be planned during classic MRP run.	User exit M61X0001 is not supported by t-code MD01N. The BADI MRP_DISPATCHER_BADI can be used to implement own logic

From S/4HANA Classical MRP vs MRP Live : <https://blogs.sap.com/2019/03/25/s4hana-classical-mrp-vs-mrp-live/>



# Production Future Enhancements (Roadmap)



Adapted from SAP S/4HANA Road Map – October 2019: <https://www.sap.com/products/roadmaps/finder-products.html#pdf-asset=b4f98b5d-c37c-0010-82c7-eda71af511fa&page=18>

# Outline

- SAP S/4 HANA Database ✓
- SAP Fiori ✓
- Differences in FI/CO ✓
- Differences in Procurement ✓
- Differences in Fulfillment ✓
- Differences in Production ✓

**Thank you.**

# References

- SAP Help Portal
  - [https://help.sap.com/viewer/product/SAP\\_S4HANA\\_ON-PREMISE/1909.000/en-US](https://help.sap.com/viewer/product/SAP_S4HANA_ON-PREMISE/1909.000/en-US)
- SAP Simplification Guide
  - [https://help.sap.com/doc/fffbaea9108349c0bb2a3386140bd95c/1809.001/en-US/SIMPL\\_OP1809\\_FPS01.pdf](https://help.sap.com/doc/fffbaea9108349c0bb2a3386140bd95c/1809.001/en-US/SIMPL_OP1809_FPS01.pdf)
  - [https://help.sap.com/doc/0080a18cdc1045638d31c87b839011e7/1909.000/en-US/SIMPL\\_OP1909.pdf](https://help.sap.com/doc/0080a18cdc1045638d31c87b839011e7/1909.000/en-US/SIMPL_OP1909.pdf)
- SAP S/4HANA (On-Premise) Road Map
  - <https://www.sap.com/products/roadmaps/finder-products.html#pdf-asset=b4f98b5d-c37c-0010-82c7-eda71af511fa&page=9>

# Appendix

# FI – CO Integration

## ERP

Chart of Accts	GL00
Description	GBI Global
General specifications	
Maint.language	English
Length of G/L account number	6
Integration	
Controlling integration	Manual creation of cost elements
	Manual creation of cost elements
Consolidation	Automatic creation of cost elements
Group Chart of Accts	
Status	
<input type="checkbox"/> Blocked	

## S/4

- Controlling integration is automatic

Chart of Accts	GL00
Description	GBI Global
General specifications	
Maint. Language	English
Length of G/L Account Number	6
Consolidation	
Group Chart of Accts	
Status	
<input type="checkbox"/> Blocked	

# Company Code to Controlling Area Assignment

## ERP

- Can be done even when there are accounting documents in the system

## S/4

- Must be done before posting any FI documents
- **Cannot be done if FI documents exist!**

Controlling Area

Controlling Area: NA00 GBI North America

Basic data

Assignment of company codes

Assigned Company Codes	
CoCd	Company Name
US00	Global Bike Inc.

# Document Types & Account Types

## ERP

Document type: KA Vendor Document

Properties

Number range: 17 [Number range information](#)

Reverse DocumentType: KA

Authorization Group:

Account types allowed

- ☒ Assets
- ☐ Customer
- ☒ Vendor
- ☒ Material
- ☒ G/L account

Special usage

- ☐ Btch input only

Control data

- ☐ Net document type
- ☐ Cust/vend check
- ☐ Negative Postings Permitted
- ☐ Inter-company postgs
- ☐ Enter trading partner

Default values

Ex.rate type for forgn crncy docs:

Required during document entry

- ☐ Reference number
- ☐ Document header text

Joint venture

Debit Rec.Indic: ☐

Rec.Ind. Credit: ☐

## S/4

Document type: KA Vendor Document

Properties

Number range: 17 [Number range information](#)

Reverse DocumentType: KA

Authorization Group:

Account types allowed

- ☒ Assets
- ☐ Customer
- ☒ Vendor
- ☒ Material
- ☒ G/L Account
- ☐ Secondary Costs

Control data

- ☐ Net document type
- ☐ Cust/vend Check
- ☐ Negative Postings Permitted
- ☐ Inter-Company
- ☐ Enter trading partner

Special usage

- ☐ BI Only

Default values

Exchange Rate Type for FC Documents:

Required during document entry

- ☐ Reference Number
- ☐ Document Header Text

Joint venture

Debit Rec.Indic: ☐

Rec.Ind. Credit: ☐



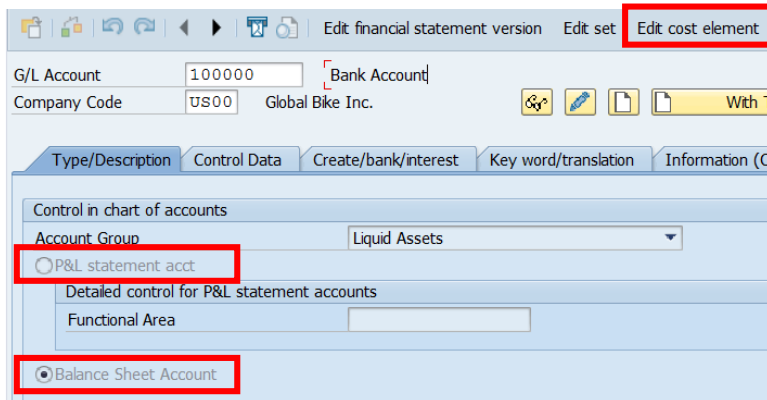
# New Document Type in S/4 – CO Posting

Document type		<input type="text" value="CO"/> CO Posting
Properties		
Number range	<input type="text" value="01"/>	Number range information
Reverse DocumentType	<input type="text" value="CO"/>	
Authorization Group	<input type="text"/>	
Account types allowed		Control data
<input type="checkbox"/> Assets		<input type="checkbox"/> Net document type
<input type="checkbox"/> Customer		<input type="checkbox"/> Cust/vend Check
<input type="checkbox"/> Vendor		<input checked="" type="checkbox"/> Negative Postings Permitted
<input type="checkbox"/> Material		<input type="checkbox"/> Inter-Company
<input checked="" type="checkbox"/> G/L Account		<input type="checkbox"/> Enter trading partner
<input checked="" type="checkbox"/> Secondary Costs		
Special usage		Default values
<input type="checkbox"/> BI Only		Exchange Rate Type for FC Documents <input type="text" value="M"/>
Required during document entry		Joint venture
<input type="checkbox"/> Reference Number		Debit Rec.Indic <input type="text"/>
<input type="checkbox"/> Document Header Text		Rec.Ind. Credit <input type="text"/>

# G/L Account Master Data

## ERP

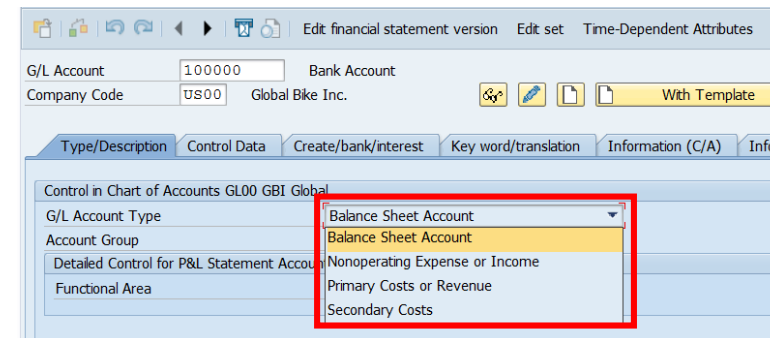
- Account type:
  - Balance sheet or P&L
- Cost elements created separately



The screenshot shows the SAP ERP 'Edit financial statement version' screen. The 'Edit cost element' button is highlighted with a red box. The 'G/L Account' field is set to '100000' and the 'Company Code' is 'US00'. The 'Account Group' is set to 'Liquid Assets'. The 'Detailed control for P&L statement accounts' section shows the 'Balance Sheet Account' radio button selected, which is also highlighted with a red box.

## S/4

- Account types include
  - Balance sheet
  - Primary costs / revenues (P&L w/ primary costs)
  - Non-operating expenses (P&L w/out primary costs)
  - Secondary costs



The screenshot shows the SAP S/4 'Edit financial statement version' screen. The 'G/L Account' field is set to '100000' and the 'Company Code' is 'US00'. The 'Account Group' is set to 'Liquid Assets'. The 'Detailed control for P&L statement accounts' section shows a dropdown menu with the following options: 'Balance Sheet Account', 'Balance Sheet Account', 'Nonoperating Expense or Income', 'Primary Costs or Revenue', and 'Secondary Costs'. The 'Balance Sheet Account' option is selected and highlighted with a red box.

# Account Groups

## ERP

Control in chart of accounts

Account Group	Liquid Assets
<input type="radio"/> P&L statement acct	Balance Sheet Accounts
Detailed control for P&L statement acct	Fixed Assets
Functional Area	Liquid Assets
	Material Accounts
<input checked="" type="radio"/> Balance Sheet Account	Profit & Loss Accounts
	Reconciliation Accounts

## S/4

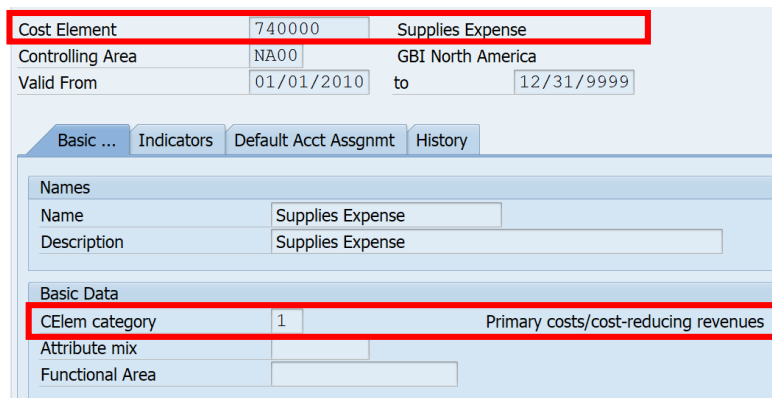
- A new account group for secondary costs is required

Control in Chart of Accounts GL00 GBI Global

G/L Account Type	Balance Sheet Account
Account Group	Liquid Assets
Detailed Control for P&L Statement Account	Balance Sheet
Functional Area	Fixed Assets
	Liquid Assets
	Material Accounts
	Profit and loss
	Reconciliation Accounts
	Secondary Cost

# G/L Account Master Data for Primary Costs (ERP)

- Create G/L Account
  - Account type: P&L statement acct
  - Account group: Profit & Loss Accounts



This screenshot shows the SAP G/L Account Master Data form. The top section contains fields for Cost Element (740000), Supplies Expense, Controlling Area (NA00), GBI North America, and Valid From (01/01/2010) to (12/31/9999). The 'Basic ...' tab is selected. Below it, the 'Names' section shows Name (Supplies Expense) and Description (Supplies Expense). The 'Basic Data' section shows CElem category (1) and Primary costs/cost-reducing revenues.

Cost Element	740000	Supplies Expense
Controlling Area	NA00	GBI North America
Valid From	01/01/2010	to 12/31/9999

Basic ... Indicators Default Acct Assgmt History

Names

Name: Supplies Expense

Description: Supplies Expense

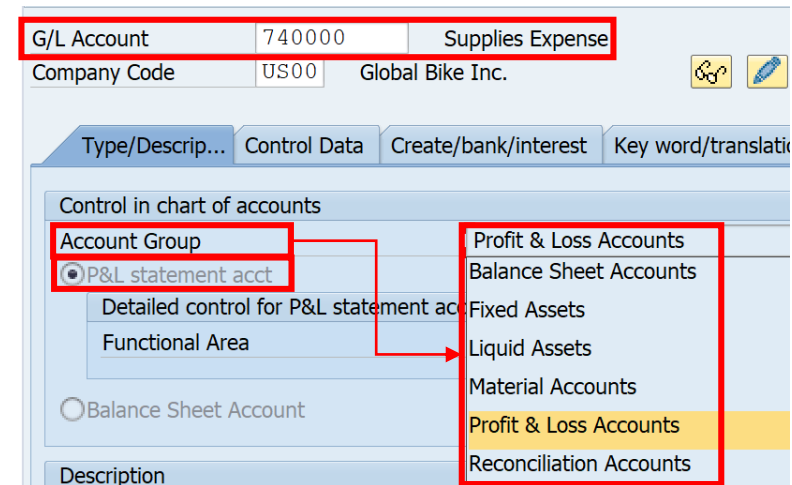
Basic Data

CElem category: 1 Primary costs/cost-reducing revenues

Attribute mix

Functional Area

- Create primary cost element
- Cost element category



This screenshot shows the SAP G/L Account Master Data form. The top section contains fields for G/L Account (740000), Supplies Expense, Company Code (US00), and Global Bike Inc. The 'Type/Descrip...' tab is selected. Below it, the 'Control in chart of accounts' section shows Account Group (P&L statement acct) and Detailed control for P&L statement acct (Functional Area). The 'Balance Sheet Account' radio button is selected. The 'Description' section shows Profit & Loss Accounts, Balance Sheet Accounts, Fixed Assets, Liquid Assets, Material Accounts, Profit & Loss Accounts, and Reconciliation Accounts.

G/L Account	740000	Supplies Expense
Company Code	US00	Global Bike Inc.

Type/Descrip... Control Data Create/bank/interest Key word/translati

Control in chart of accounts

Account Group: P&L statement acct

Detailed control for P&L statement acct: Functional Area

Balance Sheet Account

Description: Profit & Loss Accounts, Balance Sheet Accounts, Fixed Assets, Liquid Assets, Material Accounts, Profit & Loss Accounts, Reconciliation Accounts

# G/L Account Master Data for Primary Costs (S4)

- Create G/L account
  - Account type: Primary cost / Revenue
  - Account group: Profit & Loss Accounts
  - Field status group: Expense accounts
  - Cost element category (Control tab)

This screenshot shows the SAP G/L Account Master Data creation screen. The top section contains the following fields:

G/L Account	740000	Supplies Expense
Company Code	US00	Global Bike Inc.

Below these fields are tabs: Type/Descrip..., Control Data, Create/bank/interest, Key word/translation, and Information. The 'Control Data' tab is active. It contains the following sections:

- Account control in company code**
  - Account currency: USD (United States Dollar)
  - Balances in Local Crncy Only: ☐
  - Tax Category: ☐
  - Posting without tax allowed: ☒
- Account Management in Company Code**
  - Sort key: 001 (Posting date)
- Account Settings in Controlling Area NA00 GBI North America**
  - CElem category: 1 (Primary costs/cost-reducing revenues)

A dropdown menu is open under the 'Account Group' field, showing the following options:

- Profit and loss
- Balance Sheet
- Fixed Assets
- Liquid Assets
- Material Accounts
- Profit and loss (highlighted)
- Reconciliation Accounts
- Secondary Cost

This screenshot shows the SAP G/L Account Master Data creation screen with the 'Control Data' tab active. The top section contains the following fields:

G/L Account	740000	Supplies Expense
Company Code	US00	Global Bike Inc.

Below these fields are tabs: Type/Descrip..., Control D..., Create/bank/interest, Key word/translation, and Information. The 'Control D...' tab is active. It contains the following sections:

- Account control in company code**
  - Account currency: USD (United States Dollar)
  - Balances in Local Crncy Only: ☐
  - Tax Category: ☐
  - Posting without tax allowed: ☒
- Account Management in Company Code**
  - Sort key: 001 (Posting date)
- Account Settings in Controlling Area NA00 GBI North America**
  - CElem category: 1 (Primary costs/cost-reducing revenues)

This screenshot shows the SAP G/L Account Master Data creation screen with the 'Control Data' tab active. The top section contains the following fields:

G/L Account	740000	Supplies Expense
Company Code	US00	Global Bike Inc.

Below these fields are tabs: Type/Descrip..., Control Data, Create/bank/inter..., Key word/translation, and Information. The 'Control Data' tab is active. It contains the following sections:

- Control of document creation in company code**
  - Field status group: ZEXP (Expense Accounts)

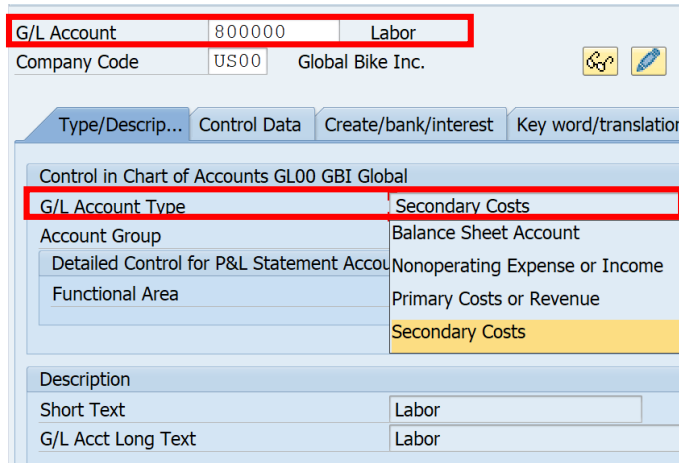
# G/L Account Master Data for Secondary Costs (ERP)

- Create secondary cost element
  - Cost element category
- No G/L account

Cost Element	800000	Labor
Controlling Area	NA00	GBI North America
Valid From	01/01/2010	to 12/31/9999
Basic ... Indicators Default Acct Assgnmt History		
Names		
Name	Labor	
Description	Labor	
Basic Data		
CElem category	43	Internal activity allocation
Attribute mix		
Functional Area		

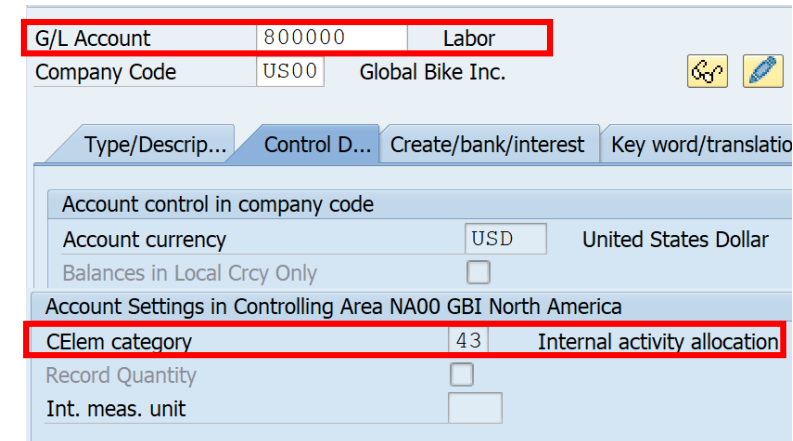
# G/L Account Master Data for Secondary Costs (S/4)

- Create G/L account
  - Account type: Secondary costs
  - Account group: Secondary costs
  - Field status group: secondary costs
  - Cost element category (Control tab)



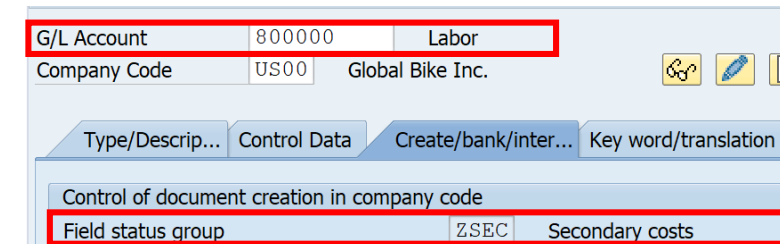
This screenshot shows the 'Control Data' tab in the SAP G/L Account Master Data configuration. The 'G/L Account' is 800000, 'Labor', and the 'Company Code' is US00 (Global Bike Inc.). The 'G/L Account Type' is set to 'Secondary Costs'. The 'Account Group' is 'Balance Sheet Account', and the 'Detailed Control for P&L Statement Account' is 'Nonoperating Expense or Income'. The 'Functional Area' is 'Primary Costs or Revenue', and the 'Secondary Costs' checkbox is checked. The 'Description' section shows 'Short Text' as 'Labor' and 'G/L Acct Long Text' as 'Labor'.

G/L Account	800000	Labor
Company Code	US00	Global Bike Inc.
Type/Descrip... Control Data Create/bank/interest Key word/translation		
Control in Chart of Accounts GL00 GBI Global		
G/L Account Type	Secondary Costs	
Account Group	Balance Sheet Account	
Detailed Control for P&L Statement Account	Nonoperating Expense or Income	
Functional Area	Primary Costs or Revenue	
Secondary Costs		
Description		
Short Text	Labor	
G/L Acct Long Text	Labor	



This screenshot shows the 'Control Data' tab in the SAP G/L Account Master Data configuration. The 'G/L Account' is 800000, 'Labor', and the 'Company Code' is US00 (Global Bike Inc.). The 'CElem category' is 43, and 'Internal activity allocation' is checked. The 'Record Quantity' checkbox is unchecked, and the 'Int. meas. unit' is empty.

G/L Account	800000	Labor
Company Code	US00	Global Bike Inc.
Type/Descrip... Control D... Create/bank/interest Key word/translation		
Account control in company code		
Account currency	USD	United States Dollar
Balances in Local Crncy Only	<input type="checkbox"/>	
Account Settings in Controlling Area NA00 GBI North America		
CElem category	43	Internal activity allocation
Record Quantity	<input type="checkbox"/>	
Int. meas. unit		



This screenshot shows the 'Control Data' tab in the SAP G/L Account Master Data configuration. The 'G/L Account' is 800000, 'Labor', and the 'Company Code' is US00 (Global Bike Inc.). The 'Field status group' is ZSEC, and 'Secondary costs' is checked.

G/L Account	800000	Labor
Company Code	US00	Global Bike Inc.
Type/Descrip... Control Data Create/bank/inter... Key word/translation		
Control of document creation in company code		
Field status group	ZSEC	Secondary costs

# Cost Elements and Postings (Summary)

## ECC

- Cost elements are **separate** master data
  - T-Codes: KA01/ KA06, KA02, KA03
- Data related to G/L, CO, COPA, AA, etc. are stored in **separate** tables
- Postings to accounts with **primary costs elements** require an assignment to a controlling object
- Postings in controlling (periodic allocation, internal activity allocation, etc.) using secondary cost elements are not visible in FI

## S/4

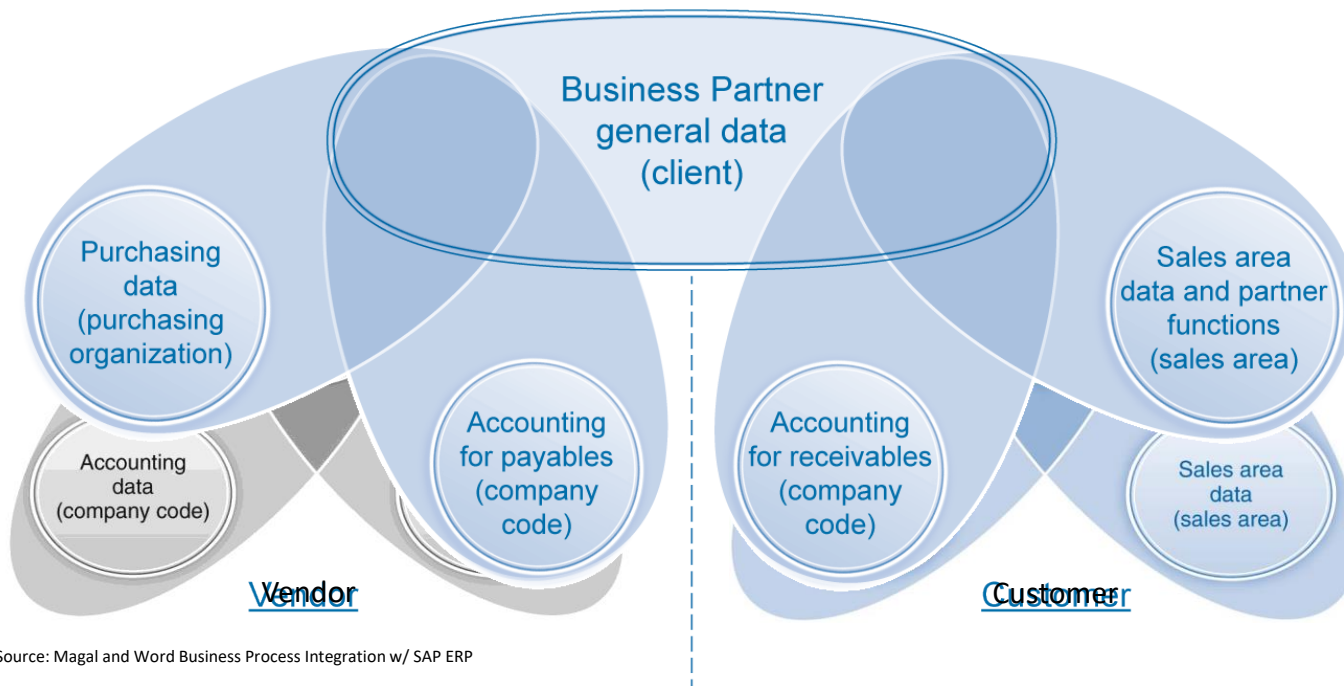
- Cost elements part of the G/L master data
  - FS00
- All data are stored in the universal journal (ACDOCA table)
- Postings to accounts with **account type primary costs** require an assignment to a controlling object
- Postings in controlling are posted to G/L accounts with account type secondary costs; visible in FI





# Business Partners - Procurement

- Master data segments
  - General data (Client)
  - Financial accounting data (Company code)
  - Purchasing (Purchasing org.)



Vendor	101000
Company Code	us00
Purch. Organization	us00

General data
<input checked="" type="checkbox"/> Address
<input checked="" type="checkbox"/> Control
<input checked="" type="checkbox"/> Payment transactions
<input checked="" type="checkbox"/> Contact Persons

Company code data
<input checked="" type="checkbox"/> Accounting info
<input checked="" type="checkbox"/> Payment transactions
<input checked="" type="checkbox"/> Correspondence
<input type="checkbox"/> Withholding tax

Purchasing organization data
<input checked="" type="checkbox"/> Purchasing data
<input checked="" type="checkbox"/> Partner functions

Source: Magal and Word Business Process Integration w/ SAP ERP

# Business Partners - Procurement

## ERP

- Vendor and customer data are stored in two different places
- Create/change/display Vendor
  - XK01, XK02, XK03
- Create/change/display customer
  - XD01, XD02, XD03

## S/4

- New transaction BP
  - ERP transactions are obsolete
  - Single Point of entry to create/change/display
- Three types
  - Individuals (employees, contact persons, sales rep, agents)
  - Organizations (customers, vendors, banks, stores)
  - Groups
- Same entity can play different roles
  - A Vendor can also be a Customer
  - Common general data
  - No duplication of general data



# Self-Service Procurement

Self service Procurement simplifies and accelerates the purchasing process for members of the organization to It enables employees to create and manage shopping carts for their requisitions.

It provides capabilities to:

- Find and order products via catalogs
- Provides employees with familiar 'shopping cart' like functionality
- Executes approval processes if necessary
- Allows the manipulation of certain order parameters (such as account assignment)

<https://help.sap.com/doc/71033c91023c4ac2b127771b4aca8ca8/1511%20001/en-US/frameset.htm?frameset.htm>

# Ariba

SAP Ariba is a cloud-based solution that enables collaboration with your suppliers to effectively and efficiently manage all or part of the purchasing process, while controlling spending, finding new sources of savings, and building a healthy supply chain. SAP Ariba Cloud Integration Gateway integrates S/4Hana into the Ariba Network

Enabling capabilities such as:

- Forecasting demand & commitment
- Procurement automation
- Contract Manufacturing support
- Consignment Inventory Management
- Supplier Managed Inventory
- Catalog Management
- Supply Chain Finance
- Supplier Lifecycle & Performance

<https://www.ariba.com/solutions/solutions-overview>

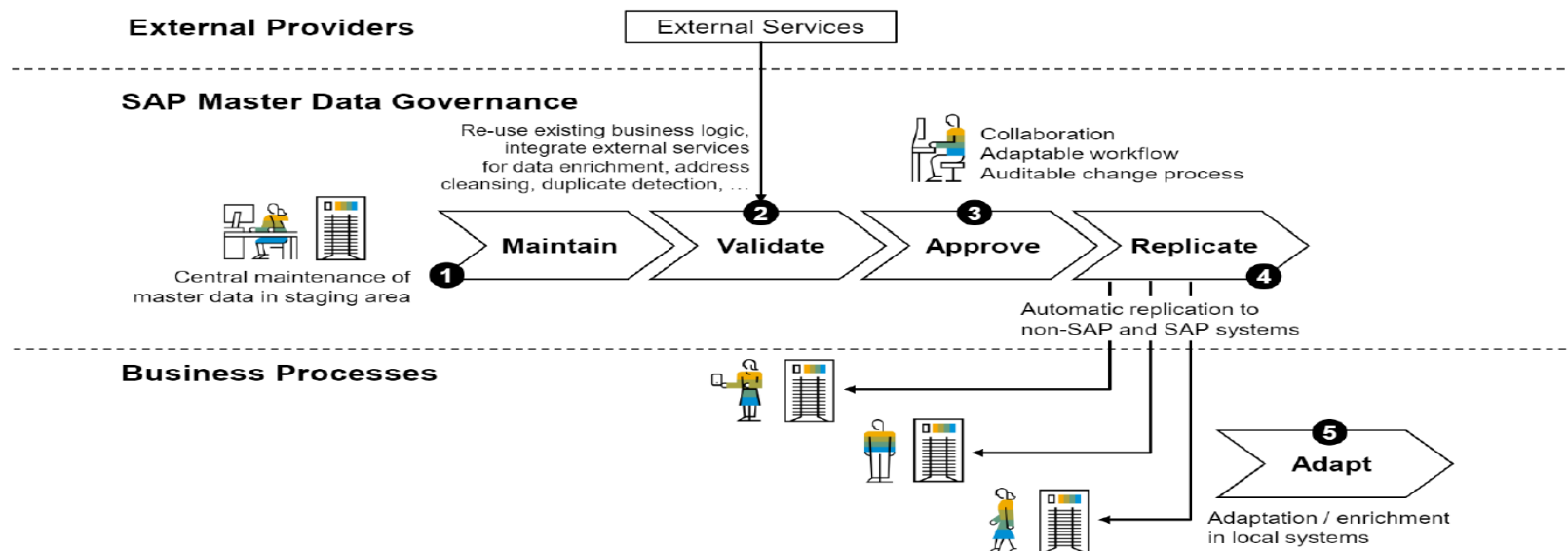
<https://www.ariba.com/-/media/aribacom/assets/pdf-assets/sap-ariba-cloud-integration-gateway-integrating-sap-ariba-solutions-with-sap-erp-and-sap-s4hana.pdf>

# Master Data Governance – Supplier

Master Data Governance for Supplier controls governance of supplier master data on a central hub and on decentralized systems. Changes requests of supplier data are managed centrally and distributed to relevant systems. This improves data quality, and overall process management.

## SAP Master Data Governance, Central Governance

Process flow



[https://help.sap.com/doc/4f42b46c3fb74e3fa81c131c48b9a6db/MDG90\\_SP05/en-US/af2fb3641f834154ba31ef11ff7abfbb.html](https://help.sap.com/doc/4f42b46c3fb74e3fa81c131c48b9a6db/MDG90_SP05/en-US/af2fb3641f834154ba31ef11ff7abfbb.html)  
<https://www.sap.com/documents/2016/06/84545750-767c-0010-82c7-eda71af511fa.html>

# Global Trade Services

A centrally manage global trade application with a single repository for all compliance master data and content. Deploy it stand-alone or as part of SAP S/4HANA®.

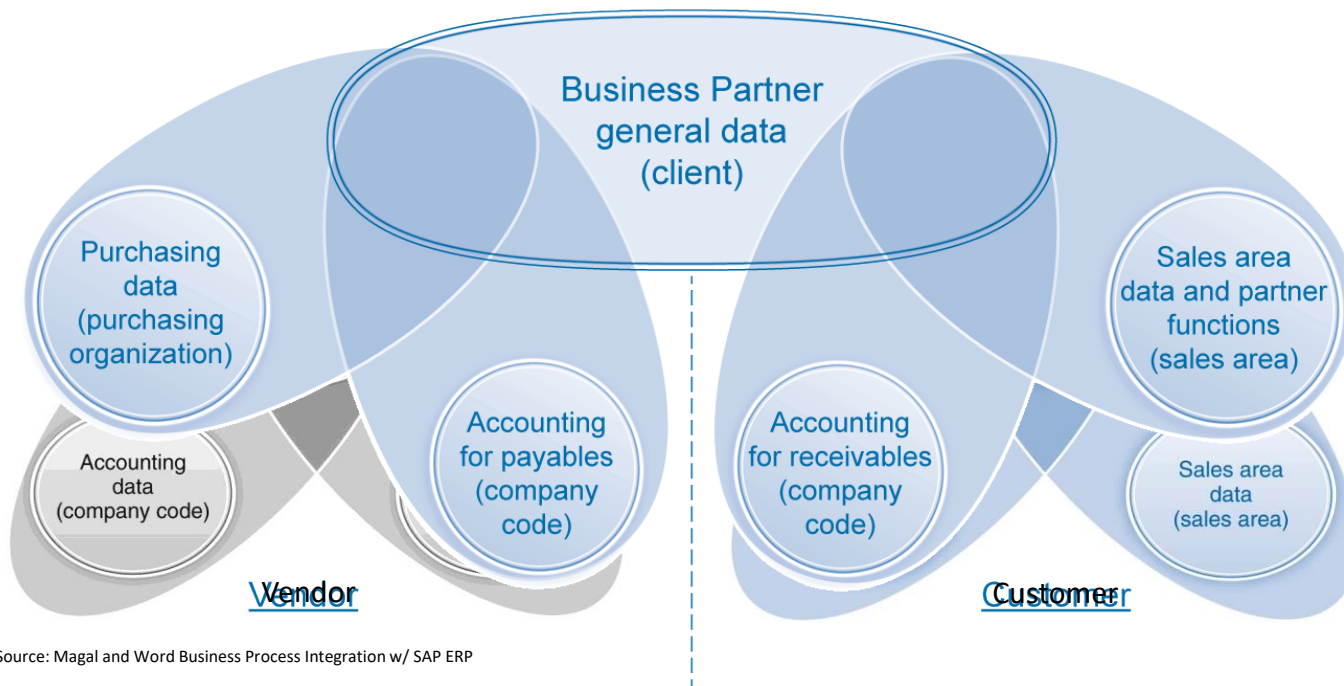
Capabilities include :

- Manage export trade regulations
- Manage import and export compliance, classification, trade finance, and documentation
- Enable customs services with direct filing as well as broker communication
- Reduce duties and fees
- Manage vendor and customer declarations
- Centralize master, classification, and compliance data
- Automate regional and industry compliance



# Business Partners - Fulfillment

- Master data segments
  - General data (Client)
  - Financial accounting data (Company code)
  - Sales (Sales Area)



Source: Magal and Word Business Process Integration w/ SAP ERP

Vendor	101000
Company Code	us00
Purch. Organization	us00

General data
<input checked="" type="checkbox"/> Address
<input checked="" type="checkbox"/> Control
<input checked="" type="checkbox"/> Payment transactions
<input checked="" type="checkbox"/> Contact Persons

Company code data
<input checked="" type="checkbox"/> Accounting info
<input checked="" type="checkbox"/> Payment transactions
<input checked="" type="checkbox"/> Correspondence
<input type="checkbox"/> Withholding tax

Purchasing organization data
<input checked="" type="checkbox"/> Purchasing data
<input checked="" type="checkbox"/> Partner functions

# Business Partners - Fulfillment

## ERP

- Vendor and customer data are stored in two different places
- Create/change/display Vendor
  - XK01, XK02, XK03
- Create/change/display customer
  - XD01, XD02, XD03

## S/4

- New transaction BP
  - ERP transactions are obsolete
  - Single Point of entry to create/change/display
- Three types
  - Individuals (employees, contact persons, sales rep, agents)
  - Organizations (customers, vendors, banks, stores)
  - Groups
- Same entity can play different roles
  - A Vendor can also be a Customer
  - Common general data
  - No duplication of general data



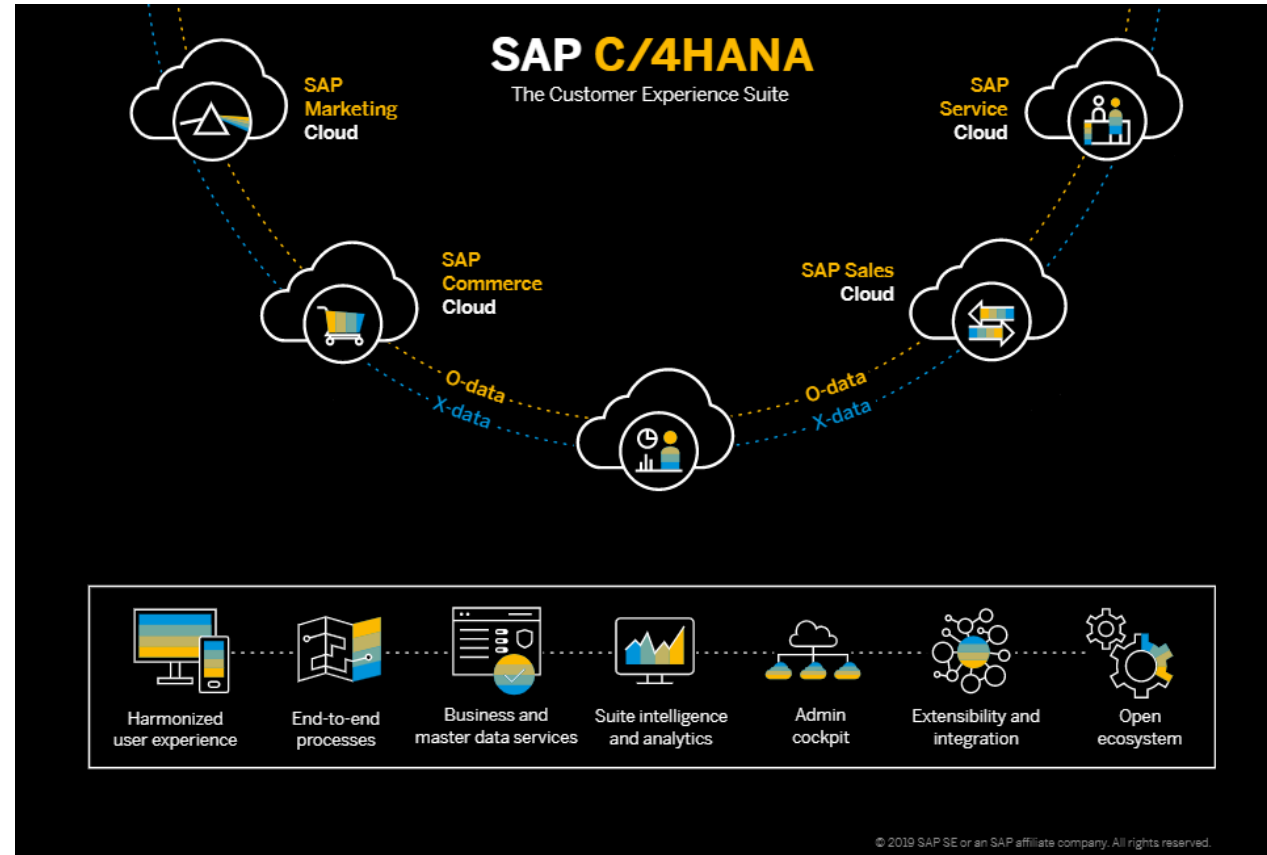


# C/4 HANA\*

The SAP C/4HANA suite, which includes market-leading, cloud-native solutions for sales, service, marketing, e-commerce, and customer data management, is designed to enable businesses to deliver unique, trusted, and personalized journeys to their customers.

\* Includes components of SAP Hybris

<https://news.sap.com/2018/06/sapphire-now-announcing-sap-c4hana-sap-hana-data-management-suite/>



Adapted from: <https://www.sap.com/products/crm.html?pdf-asset=dcee8b44-4b7d-0010-87a3-c30de2ffd8ff&page=3>



# Global Trade Services








A centrally manage global trade application with a single repository for all compliance master data and content. Deploy it stand-alone or as part of SAP S/4HANA®.

Capabilities include :






- Manage export trade regulations
- Manage import and export compliance, classification, trade finance, and documentation
- Enable customs services with direct filing as well as broker communication
- Reduce duties and fees
- Manage vendor and customer declarations
- Centralize master, classification, and compliance data
- Automate regional and industry compliance

# Goods Movement

## ECC











- ▾ Materials Management
  - ▾ Purchasing
  - ▾ Inventory Management
    - ▾ Goods Movement
      -  MIGO - Goods Movement (MIGO)
      - ▾ Goods Receipt
        - ▾ For Purchase Order
          -  MIGO\_GR - GR for Purchase Order (MIGO)
          -  MIGO - PO Number Known
          -  MIGO - PO Number Unknown
        -  MIGO\_GO - GR for Order (MIGO)
        -  MB31 - For Order
        -  MB1C - Other
      -  MIGO\_GI - Goods Issue (MIGO)
      -  MB1A - Goods Issue
      -  MIGO\_TR - Transfer Posting (MIGO)
      -  MB1B - Transfer Posting

## S/4




- ▾ Materials Management
  - ▾ Purchasing
  - ▾ Inventory Management
    - ▾ Goods Movement
      -  MIGO - Goods Movement
      -  MIGO\_GR - GR for Purchase Order
      -  MIGO\_GO - GR for Production Order
      -  MIGO\_GI - Goods Issue
      -  MIGO\_TR - Transfer Posting

# Material Documents

## ECC

- ▾  Material Document
  -  MB02 - Change
  -  MB03 - Display
  -  MBSL - Copy
  -  MBST - Cancel/Reverse
  -  MIGO - Release blocked stock
  -  MBRL - Return Delivery
  -  MIGO - Subsequent Delivery
  -  MBSU - Place in storage
  -  Archive

## S/4

- ▾  Material Document
  -  MIGO - Display, Change, Copy, Cancel, Subsequent Delivery
  -  Archive

# Posting Demonstration (S4)

- Complete goods receipt
- Create material document
- Creates FI documents
- Updates GL
- Updates Material ledger
- Results visible in universal journal

Entered By: MAGALS  
Created On: 02/27/2018 14:43:59  
Transaction Code: Goods Movement MIGO\_GI

FI Documents

Line	Mat. Short Text	W.	Qty in UnE	EUn	SLoc	Bus...	G/L Account	Mo...	D Stock Type	Plnt
1	Knee Pads		100	EA	Trading Goods	BI00	200500	561	+ Unrestricted	DC Miami

List of Documents in Accounting

Document	Object type text
49000002051	Accounting document
A000000700	Material ledger

Data Entry View

Document Number	49000002051	Company Code	US00	Fiscal Year	2018
Document Date	02/27/2018	Posting Date	02/27/2018	Period	2
Reference		Cross-Comp.No.			
Currency	USD	Texts Exist	<input type="checkbox"/>	Ledger Group	

CoCd Item Key S Account Description Amount Curr. Tx

US00	1	89	200200	Inv-TG	3,750.00	USD	
	2	91	200500	Inv-SP	3,750.00	USD	

Material Ledger Update

Document Number	A000000700
Document Date	00/00/0000
User	MAGALS
Period	002/2018
Currency/Valuation	Company code currency USD

Item Material	Descr.	Plant	ChgTotInv.	Unit	Value	Chg.	Crcy	It
900001	KPAD1000	Knee Pads	MI00	100	EA	3,750.00	USD	UP

# Posting Demonstration (Material Price Analysis)

- Accessable from
  - Material document
  - Material master

**Material Price Analysis**

Costing Cockpit Set Costing Run

Material: KPAD1000 Knee Pads

Plant: MI00 DC Miami

Valuation Type:

Sales Order Stock/Project Stock

Period/Year: 2 2018 ◀ ▶ Period Status ⓘ

Curr./Valuation: Company code currency

View: Price History

Prices and Inventory Values

Transaction	Object	Unit	Chg	TotInv.	Value Chg.	Price Mov.	Per	TotalStock	Total Val.	New Price
Period Opening	EA		0		0.00	0.00	1	0	0.00	37.50
Init.entry of stBal.	561 EA		100		3,750.00	37.50	1	100	3,750.00	37.50

**Material Price Analysis**

Costing Cockpit Set Costing Run

Material: KPAD1000 Knee Pads

Plant: MI00 DC Miami

Valuation Type:

Sales Order Stock/Project Stock

Period/Year: 3 2018 ◀ ▶ Period Status ⓘ Quant

Curr./Valuation: Company code currency

View: Price History

Prices and Inventory Values

Transaction	Transact.	Obj.	Unit	Chg	TotInv.	Value Chg.	Price Mov.	Per	TotalStock	Total Val.	New Price
Period Opening		EA		0		0.00	0.00	1	100	3,750.00	37.50
GR goods receipt	45000000004/10	EA		150		6,000.00	40.00	1	250	9,750.00	39.00
GR goods receipt	45000000005/10	EA		200		8,400.00	42.00	1	450	18,150.00	40.33