



SAP S/4HANA 2021 – Release Highlights

SAP Community Call

Yannick Peterschmitt, Christian Vogler – SAP S/4HANA Product Success, Co-Innovation, and Content – SAP SE
October 2021

PUBLIC

SAP S/4HANA®

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SAP S/4HANA 2021

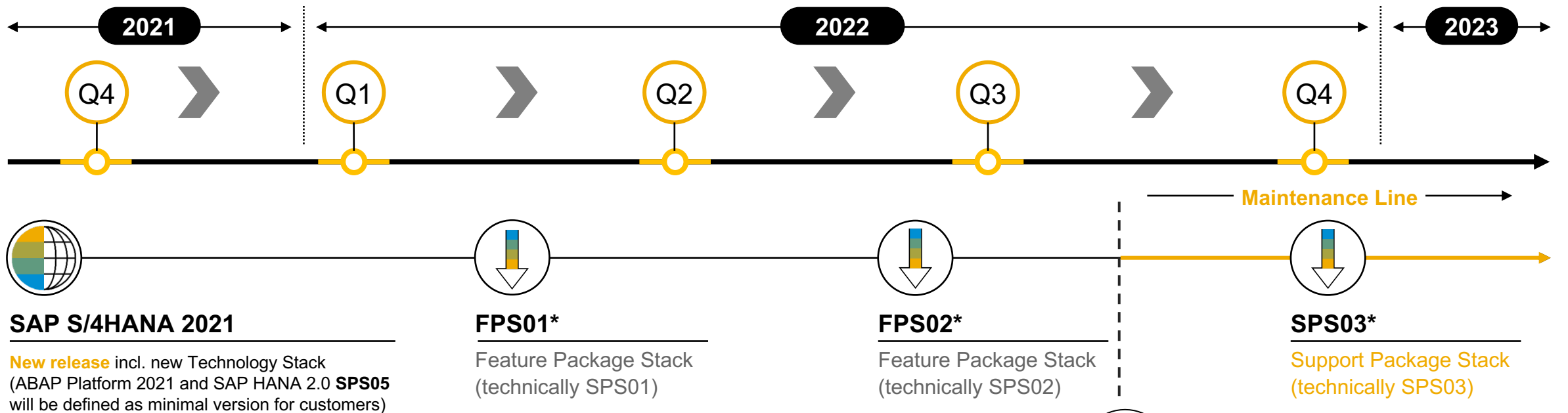
Introduction



SAP S/4HANA

Release strategy for 2021 / 2022 and definition of deliveries

SAP LABS PREVIEW



Support Package Stack for SAP S/4HANA 2021*

After general availability of SAP S/4HANA 2021, Feature Package Stacks (FPS) and Support Package Stacks (SPS) contains stabilizations bundled with corrections and legal changes. Customers benefit from this functionality as part of their maintenance fee. First SPS of a new release can contain selected features and are labelled Feature Package Stack (FPS) accordingly.

Support Package Stacks are compiled periodically and made available in the [SAP Service Marketplace](#)

SAP S/4HANA 2022*

New release incl. new technology stack

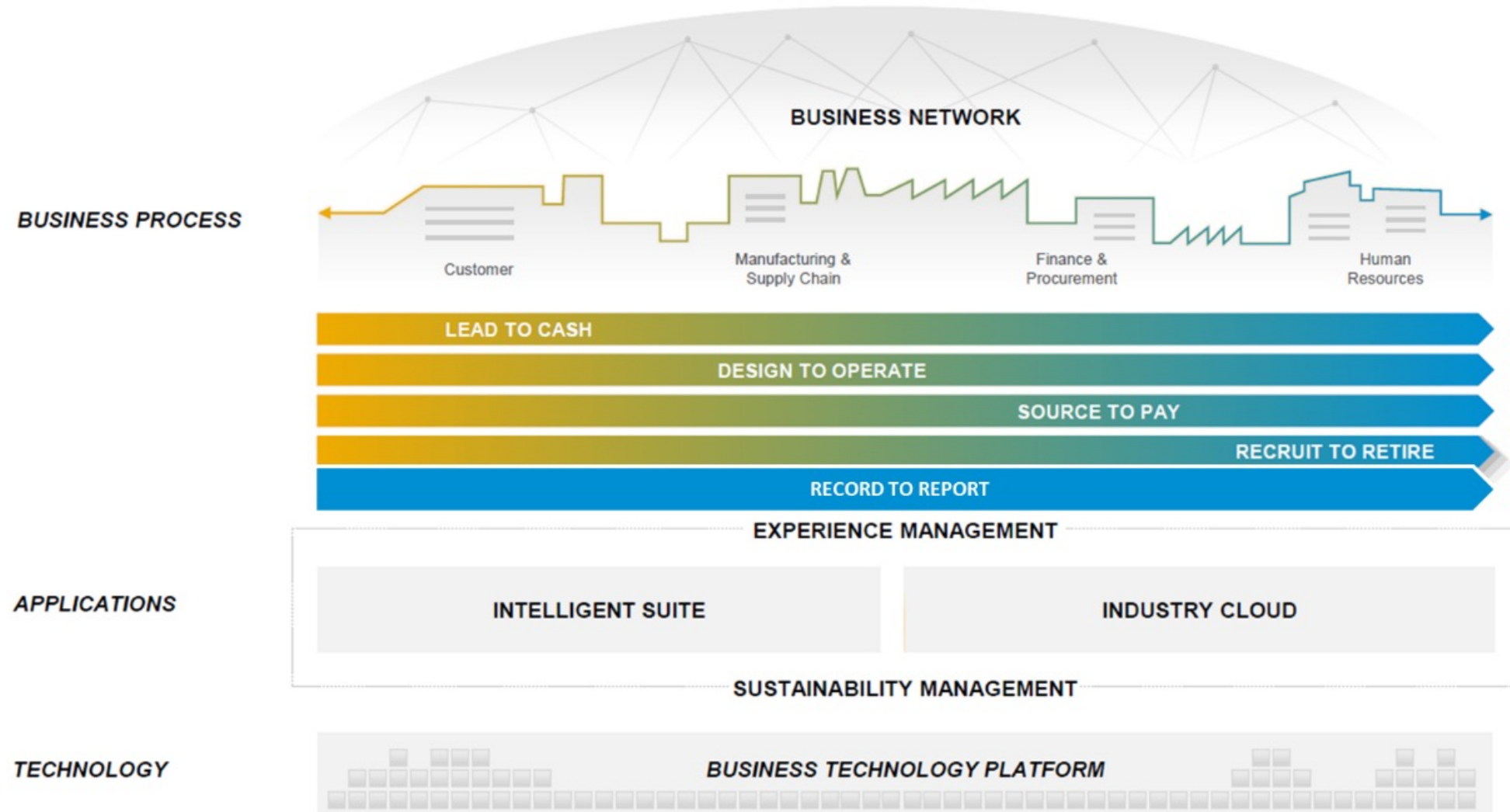


Important Links

[SAP S/4HANA 2021 - Restriction Note](#)
[SAP S/4HANA 2021: Release Information Note](#)
[Restrictions and recommendations regarding specific revisions of the SAP HANA database for use in SAP S/4HANA](#)
[Release and maintenance strategy for SAP S/4HANA](#)





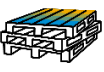

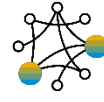






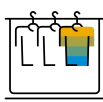

* This is the current state of planning and may be changed by SAP at any time without notice.

Intelligent Enterprise: A clear path forward



SAP S/4HANA 2021 – Innovations in the 7th wave

Planned Key Innovations Overview

 <h3>Finance</h3> <ul style="list-style-type: none"> Use of financial planning content in SAP Analytics Cloud through integration with SAP IBP for sales and operations Customer code extension in customer-defined tasks SAP Intelligent Real Estate (restricted shipment) Customer field and customer code extensibility in Group Reporting Improve decision-making via universal journal-based revenue analytics Predictive accounting for purchase orders <h3>Enterprise Risk and Compliance</h3>  <ul style="list-style-type: none"> Improved handling and analysis of blocked trade compliance documents Trade compliance embargo checks for LE inbound deliveries Screening checks for SD sales quotation Enhancement of trade-compliance checks in MM purchasing documents Best Practice Content for Financial Compliance Management 	 <h3>SAP Product Footprint Management</h3> <ul style="list-style-type: none"> Integration scenarios to provision business activity and master data for SAP Product Footprint Management Ability to extend business processes with product footprint information regarding climate change Ability to search and discover product footprints <h3>Manufacturing</h3>  <ul style="list-style-type: none"> Integration with smart equipment Side-by-side deployment of production engineering and operations with an ERP system Define a hierarchical reference structure to provide contextual insight for manufacturing Management of non-conformances with quality notifications 	 <h3>Inventory Management</h3> <ul style="list-style-type: none"> New SAP Fiori app for managing physical-inventory count results New application for managing reservations CDS-based extractor for creating quantity-based analytics Kanban control cycles analysis Kanban Board app – creation of event-driven Kanban replenishments New SAP Fiori app for monitoring Kanban containers <h3>Extended Warehouse Management</h3>  <ul style="list-style-type: none"> Mobile warehousing through the radio frequency framework JIT/JIS supply to production with an external source Manufacturing execution and digital manufacturing cloud: staging Additional enhancements options within the RF framework Enhancements SAP Fiori apps “Pack Outbound Deliveries” and “Pack Warehouse Stock” – support daily packing activities
 <h3>Sourcing and Procurement</h3> <ul style="list-style-type: none"> ERS procedure for service entry sheets Enablement of attachments at the item level of the central purchase orders Sourcing of direct materials Price-trend analysis for central purchase contracts Central sourcing with a commodity pricing engine (CPE) 	 <h3>Asset Management</h3> <ul style="list-style-type: none"> Machine learning–based suggestions for damage code or object part code in notifications to maintenance technicians Monitor the readiness of work orders Enable a risk and criticality matrix for evaluation of maintenance activities Recurring planning buckets to manage operational maintenance backlog 	 <h3>advanced Available to Promise</h3> <ul style="list-style-type: none"> Supply protection – planning and prioritization of future demand Alternative-based Confirmation with simple product substitution Consideration of time constraints when substituting products New functions in the SAP Fiori apps for back-order processing New backward consumption strategy for product allocation – consumption of earliest periods first
 <h3>Sales</h3> <ul style="list-style-type: none"> Business partner: adoption of multiple and time-dependent addresses in the order-to-cash scenario Manage Sales Orders SAP Fiori app to create and edit sales orders Create sales orders through spreadsheet upload Automatic creation of sales orders from unstructured data Triggering mass changes of sales documents 	 <h3>Service</h3> <ul style="list-style-type: none"> New organizational model in service Price agreements on header for service contracts Ad hoc billing plans in service contracts Monitor service transactions where issues prevent completion 	 <h3>Transportation Management</h3> <ul style="list-style-type: none"> Automatic consignment creation Freight unit split for delivery notes Unified package building: optimized planning; harmonized logistics; simpler process flows Support for cross-delivery handling units Transportation cockpit
 <h3>Product Compliance</h3> <ul style="list-style-type: none"> Management of regulatory graphics for product compliance Continuous delivery of embedded phrases into on-premise systems through the regulatory content service Manage phrase-enabled fields for product compliance Enhancement of dangerous goods checks in outbound deliveries when transport is planned by transportation management SAP Fiori apps to maintain data for safety data sheets 	 <h3>Industry to Core – Retail / Fashion</h3> <ul style="list-style-type: none"> Enhancements in fashion and vertical business for production processes Digital manufacturing cloud for insights for fashion manufacturing Ability to view purchase orders at different levels and perform mass changes in bulk Integration of Fashion and Vertical Business with SAP Product Lifecycle Costing 	 <h3>Cross-Topics</h3> <ul style="list-style-type: none"> General Availability of Zero Downtime Option for SAP S/4HANA Customer-specific automatic restart of delivered interfaces in SAP Application Interface Framework Pre-processing for outbound web services and proxies for SAP Application Interface Framework SAP Fiori UX monitor: technical view

SAP S/4HANA 2021

Artificial Intelligence



SAP S/4HANA 2021 for Asset Management

Innovation Highlights



Maintenance Execution

Machine learning–based suggestions for object part code or damage code in notifications to maintenance technicians

- Interpretation of the short text and the long text of a maintenance notification to suggest a damage code during the closeout of a maintenance job

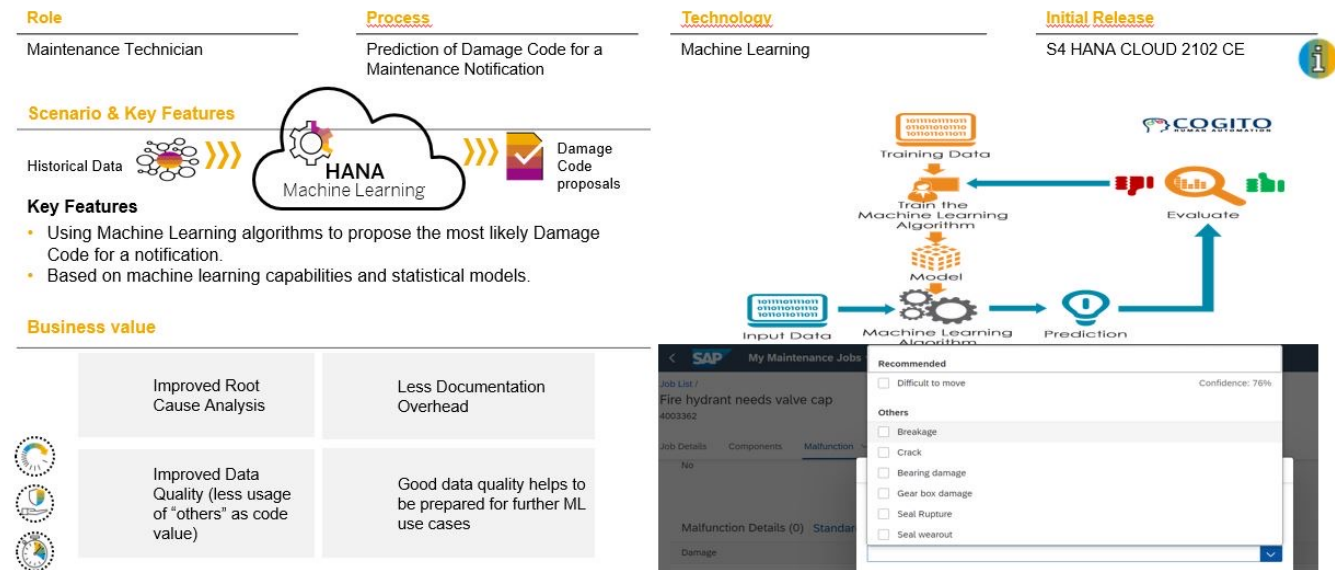
Note: This feature is designed to work only within the scope of the "best practice" processes for Reactive Maintenance (4HH) and Proactive Maintenance (4HI).

Benefit

- Decrease the time needed to analyze an incident
- Reduce downtime for the asset



Intelligent Damage Code proposals For Maintenance Notifications



Key innovations do not reflect licensing

SAP S/4HANA 2021 for Sales

Innovation Highlights

Sales Order Management and Processing



Automatic creation of sales orders from unstructured data

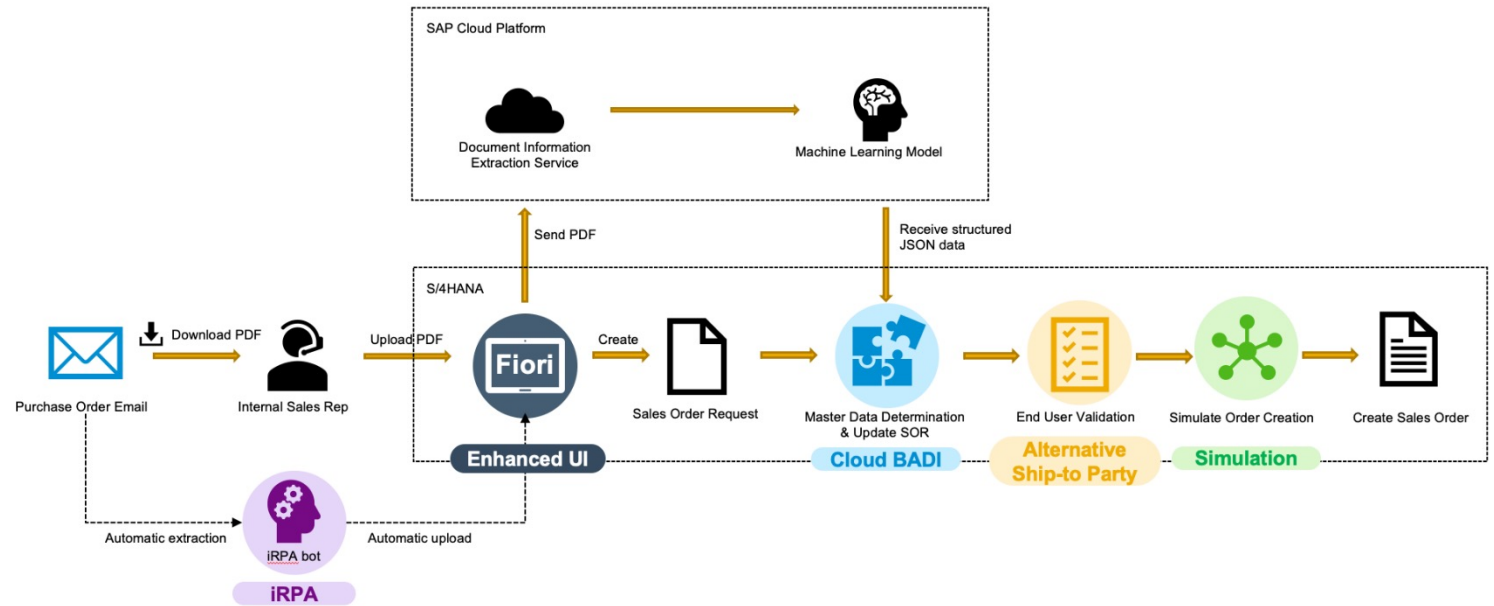
With this SAP Fiori app, you as an internal sales representative can create sales orders from PDF files. After a purchase order file in PDF format is uploaded, the system automatically extracts data from the file and determines master data (for example, the sold-to party) from the extracted data. This data is saved in a sales order request, which you can later convert into a sales order.

Capabilities

- Automatic creation of sales orders with the new SAP Fiori app "Create Sales Orders - Automated Extraction":
- Extracting the relevant data from unstructured source formats, such as PDF files, and translating it into sales orders

Benefit

- Automatic creation of sales orders
- Reduced manual efforts



To learn more about Document information Extraction, see [What Is Document Information Extraction?](#)

To learn more about the iRPA (Intelligent robotic process automation), read the blog from Eugene You in the SAP Community [here](#)

Key innovations do not reflect licensing

SAP S/4HANA 2021 for Supply Chain

Innovation Highlights



advanced Transportation Management

Integration: early updates from SAP Extended Warehouse Management to SAP Transportation Management

- Enable lightweight directory access protocol (LDAP) processing in SAP Transportation Management without goods issue (GI) posting first by SAP Extended Warehouse Management
- Adjust freight order (FO) data even if loading is complete (such as driver and departure time), especially if change of the driver is important for SAP Direct Distribution
- Reverse loading complete handling

Benefit

- Enhanced robustness of the product
- Improved usability



Key innovations do not reflect licensing

SAP S/4HANA 2021 for Public Services

Innovation Highlights – Public Sector



Discover Taxpayer Behaviours

New SAP Fiori app for finding the highest-risk customers

Enable the analyst user to perform the following functions:

- View user-defined attributes for entities and events within the Explore At Risk Customers (Behavioral Insights) and Customer Details - apps
- Filter and group customers in the table by user-defined attributes
- See related risks more easily, such as where the customer has risks in related scenarios or customer subaccounts
- View actual values and weighting for each machine learning scenario influencing factor

Benefit

- Maximize collections and success by focusing on multiple dimensions of customer risks
- Transform processes by quickly deploying machine learning scenarios for customer and behavior insights
- Engage faster and more-personalized collection processes
- Gain transparency into why a customer is classified in a particular risk score



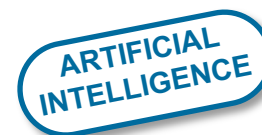
New SAP Fiori app for visualization of the customer journey, trends, and insights

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SAP S/4HANA 2021 for Public Services

Innovation Highlights – Public Sector



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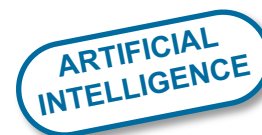
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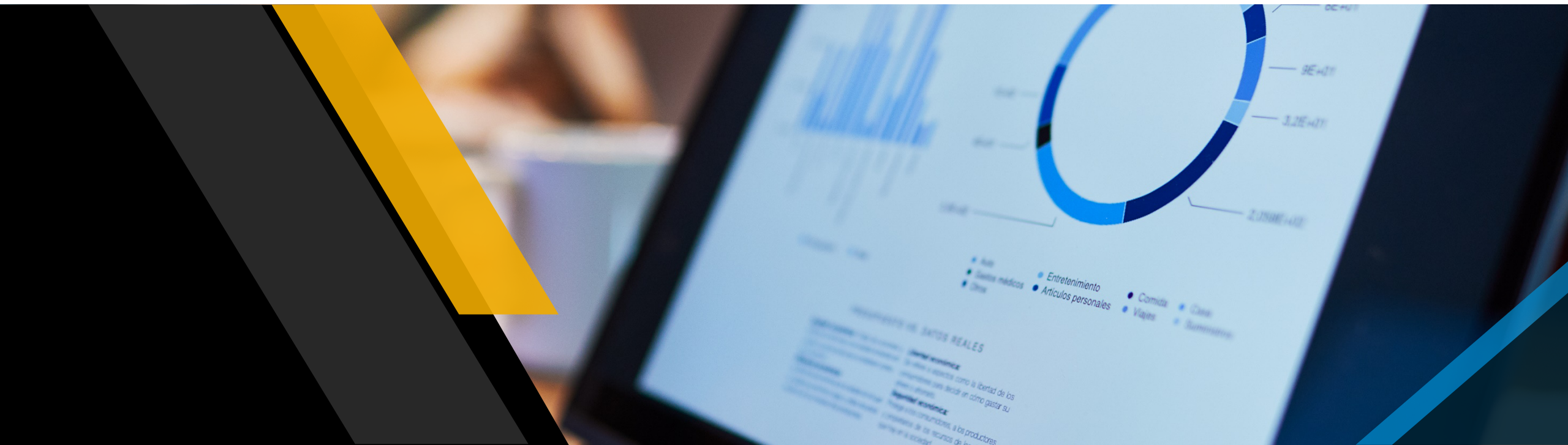
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Key innovations do not reflect licensing

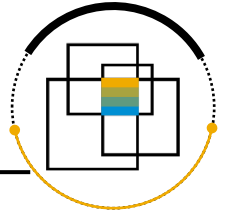
SAP S/4HANA 2021

Data to Value



SAP S/4HANA 2021 for Cross Topics

Innovation Highlights – Master Data Management



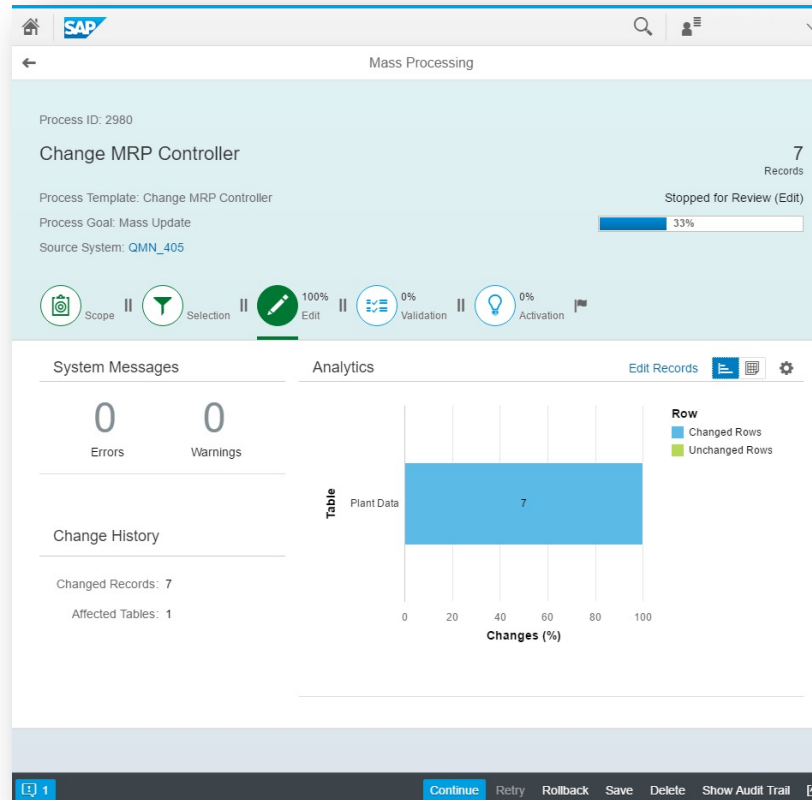
Master Data Management

Usability and process tweaks in mass processing and mass maintenance

- Improved usability and new functions for mass processing and mass maintenance in master data governance, including data model extensions

Benefit

- Increase end-user effectiveness through better usability and new features
- Improve your scope for action in mass processes
- Further integrate mass processes into your company's business routines



Edit Results

Show Filter Bar Filters Go

Plant Data

Replace Values (0) Clear Fields (0)

Plant	MRP Controller	
	Old	New
0001	007	105
0001	007	105
0001	007	105
0001	815	105
0001	001	105
0001	007	105
0001	007	105

Key innovations do not reflect licensing

SAP S/4HANA 2021 for Finance

Innovation Highlights



Profitability Analysis

Use of financial planning content in SAP Analytics Cloud through integration with SAP IBP for sales and operations

- Extend sales planning content in SAP Analytics Cloud by integrating data from SAP Integrated Business Planning (SAP IBP) for sales and operations planning
- Provide an export of a detailed profitability plan in SAP Analytics Cloud to SAP IBP for sales and operations planning

Benefit

- Enable more accurate and more efficient profitability planning by including consensus demand plans from sales and operations planning



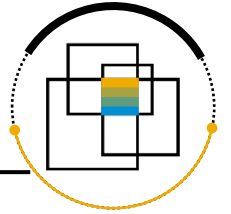
The screenshot displays the SAP Analytics Cloud interface for 'Sales & Profitability Planning'. The top navigation bar includes 'SAP', 'Stories', 'My Files', and a search bar. Below the navigation bar, there are filters for 'Company Code (1)', 'Customer', 'Product', and 'Plant'. The main content area shows a 'Calculate Profitability' button and a table of profitability data. The table has columns for 'Customer', 'Product', 'Plant', 'G/L Account', and 'Total'. The data is organized into three main sections, one for each customer (Customer110, Customer111, and Customer112). Each section contains rows for 'Gross Margin', 'Net Revenue', and 'Cost of Goods Sold'. The 'Total' column shows the calculated values for each row.

Customer	Product	Plant	G/L Account	Total
Customer110	FIN129,MTS-DI,PD,QM	Plant 1 US	✓ Gross Margin	-522,000
			> Net Revenue	-2,232,000
			> Cost of Goods Sold	1,710,000
	FIN126,MTS-DI,PD,SerialNo	Plant 1 US	✓ Gross Margin	-297,000
			> Net Revenue	-837,000
			> Cost of Goods Sold	540,000
Customer111	FIN129,MTS-DI,PD,QM	Plant 1 US	✓ Gross Margin	-498,000
			> Net Revenue	-2,208,000
			> Cost of Goods Sold	1,710,000
	FIN126,MTS-DI,PD,SerialNo	Plant 1 US	✓ Gross Margin	-288,000
			> Net Revenue	-828,000
			> Cost of Goods Sold	540,000

Key innovations do not reflect licensing

SAP S/4HANA 2021 for Cross Topics

Innovation Highlights – Master Data Management



Master Data Management

Increased scope and audit trail feature for managing validation rules

- Increase transparency of changes to validation rules
- Access product and business partner data more easily using predelivered procedure calls
- Use additional expression types to import and export validation rules

Benefit

- Extend the concept of having one single repository for validation rules
- Increase effectiveness in master data consolidation, mass processing and change request processing through higher automation in master data management

DATA
TO VALUE

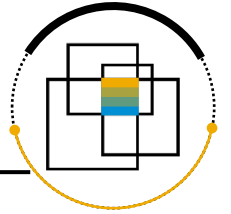
Audit Trail	
Search	
John ProdmasterSteward	Contacts changed Today at 11:08 New Value: C89980000666 (John ProdmasterSteward) Old Value: <initial>
John ProdmasterSteward	Business details changed Today at 11:08 Show Details
John ProdmasterSteward	Usage "Data Quality Evaluation" enabled 03/12/2021 at 09:08
John ProdmasterSteward	Status of rule changed from "To Be Tested" to "Approved" 03/12/2021 at 09:08
John ProdmasterSteward	Status of rule changed from "To Be Implemented" to "To Be Tested" 03/12/2021 at 09:08
John ProdmasterSteward	Usage "Data Quality Evaluation" prepared 03/12/2021 at 09:05
John ProdmasterSteward	Status of rule changed from "New" to "To Be Implemented" 03/12/2021 at 09:05
John ProdmasterSteward	Usage "Data Quality Evaluation" added 03/12/2021 at 09:05
John ProdmasterSteward	Data quality rule "check division sst" (SST_MARA_SPART) created 03/12/2021 at 09:04

Object Query				
✓ Result type of object is restricted to Table				
✓ 1 Message				
Hide Search Fields				
Search Criteria				
Application ...	is equal to	ZMDQ_147		
Expression T...	is equal to	Procedure Call		
Name	is equal to	*		
Text	is equal to	*		
Also include objects from default BRFplus application: <input type="checkbox"/>				
Maximum Number of Results: 200				
Search Clear Reset				
Result list: 16 objects found				
Previous Next Show All Objects Where Used				
Object	Status	Type	Application	
ADR12 lookup ALL	■	Procedure Call	ZMDQ_147	
ADR2 lookup ALL	■	Procedure Call	ZMDQ_147	
ADR3 lookup ALL	■	Procedure Call	ZMDQ_147	
ADR6 lookup ALL	■	Procedure Call	ZMDQ_147	
ADRC lookup ALL	■	Procedure Call	ZMDQ_147	
BUT021_FS lookup ALL	■	Procedure Call	ZMDQ_147	
BUT0BK lookup ALL	■	Procedure Call	ZMDQ_147	
BUT0ID lookup ALL	■	Procedure Call	ZMDQ_147	
BUT0IS lookup ALL	■	Procedure Call	ZMDQ_147	
BUT100 lookup ALL	■	Procedure Call	ZMDQ_147	

Key innovations do not reflect licensing

SAP S/4HANA 2021 for Cross Topics

Innovation Highlights – Master Data Management



Master Data Management

Enable change analytics and increase coverage in process analytics

- Enable master data specialists to trace and analyze critical changes for central governance.
 - Use of CDS View configuration and generation framework
- All MDG data models supported, including custom model
 - Integrated authorization control on master data and segmentation
- Enable change request work items overviews in the process overview
 - Coverage of data model: BP, MM and OG
- Support Read Access Logging for Process Analytics.
 - Configurable and integrated with process analytics and change analytics

Benefit

Increase process performance through enhanced insight:

- Flexibility to allow key users to configure analytics requirement to analytics reports
- Analyze and compare organization workload and efficiency, identify the gap for master data quality improvement, answer questions like for example, which processes are executed on which data segment or organization
- Enables master data specialists and analysts to monitor open and completed master data change, and identify and fix process gaps, bottlenecks, and errors

DATA
TO VALUE

Continue enhancements in central governance

Improved usability and new functions for the central governance of Master Data Governance, as prioritized in SAP Customer Connection and user groups:

- Edition comparison for hierarchy assignments
- Replication of hierarchy groups
- Download hierarchy as hierarchical view to MS Excel
- Enabling duplicate check in edition based data model
- Improved error message for change Material Type and Base UoM
- Material number field is read-only for internal number ranges
- New features and better performance in the material search (Fuzziness Threshold for Attributes in SAP HANA-Based Search)
- Inclusion of Online Validation Service in Business Partner maintenance
- Possibility to recall a change request
- Readable change documents for characteristics
- Possibility to customize the default display option in 'Display Change Documents'
- New search attribute in change request search using texts contained in their attachments
- Display of archived change documents

Benefit

- Increase effectiveness for end-user with better usability and new features
- Improve your scope for action in central governance
- Further integrate central governance processes into your company's business routines

DATA
TO VALUE

Key innovations do not reflect licensing

SAP S/4HANA 2021

Digital Transformation



SAP S/4HANA 2021 for Finance

Innovation Highlights



Financial Accounting

Support intercompany scenarios and manual price allocations with optimized contract management in revenue accounting

The following product features have been enabled with optimized contract management and optimized inbound processing:

- Support drop shipments in revenue accounting for sales and distribution
- Support intercompany scenarios in revenue accounting for sales and distribution
- Monitor revenue contracts
- Process manual price allocations
- Reprocess revenue contracts
- Reprocess postponed revenue accounting items
- Cancel early terminations
- Migrate data from contract accounting and invoicing into revenue accounting

Benefit

- Streamline integration between revenue recognition and operational business processes

INTEGRATION

Key innovations do not reflect licensing

SAP S/4HANA 2021 for Sales

Innovation Highlights



Sales Order Management and Processing

Create sales orders through spreadsheet upload

- With this new SAP Fiori app you can create sales orders by importing .XLSX MS Excel files
- The app provides preview of the excel data and will identify input errors for end users such as missing values in mandatory fields, format errors, duplicated data, etc.
- A default MS Excel template is provided and can be downloaded by end users, they can customize the templates by adding or deleting fields from the field list provided in the MS Excel template
- Support of mass sales orders or sales order items upload
- Provide monitoring and tracking of the sales order creation status
- Possibility for customers to use their own MS Excel templates

Benefit

- Improved efficiency in creating sales orders, as a result of mass upload capabilities
- Save cost and efforts by reducing manual input of sales order data
- Reduced manual errors and tracking capabilities

The screenshot displays two SAP Fiori app screens. The top screen, 'Import Sales Orders', shows a form for 'Import Name' with the value 'Sales Orders Demo_20210412112307' and a 'Browse...' button. Below this is a green confirmation message: 'You can now import the sales orders.' A 'Preview (Order Data)' table is shown with the following data:

Sales Order (Temporary ID)	Sales Order Type	Sold-to Party	Customer Reference	Requested Delivery Date
0001	OR	10100001	PO0001	12.04.2021
0002	OR	10100002	PO0002	13.04.2021
0003	OR	10100003	PO0003	14.04.2021
0004	OR	10100004	PO0004	15.04.2021

The bottom screen, 'Sales Orders Import History', shows a search bar, a 'Date Range' selector, and an 'Import Name' field with '1 Item'. Below this is a table titled 'Sales Orders' with columns: Sales Order, Creation Status, Log, Sales Order Type, and Sales Order (Temporary ID). The table shows a list of imported orders with their status (Created or Failed) and a log icon.

Sales Order	Creation Status	Log	Sales Order Type	Sales Order (Temporary ID)
Imported On: 03/12/2020				
Import Name: SalesOrderImportTemplate_20200312155102				
25022	Created	[i]	OR (Standard Order)	\$0001
25023	Created	[i]	OR (Standard Order)	\$0002
	Failed	[i]		\$0003
	Failed	[i]		\$0004

Key innovations do not reflect licensing

SAP S/4HANA 2021 for Sourcing and Procurement

Innovation Highlights



Commodity Procurement

Central sourcing with a commodity pricing engine (CPE)

Enable purchasers to consider commodity prices already in the sourcing process and later take over the commodity price information to the central contract using the CPE:

- Purchasers can specify in the sourcing project expected commodities incl. expected quantity
- Purchaser can maintain or adjust in the sourcing project quotation on behalf of the bidder the commodity quantity and can view formula and term details of CPE conditions
- Bidders can enter commodity quantities for these commodities and see calculated results based on anticipated market prices and exchange rates
- Purchasers can enter commodity quantities on behalf of bidders
- Purchasers can see calculated results based on anticipated market prices and exchange rates
- Collected information on commodity prices can move to central contracts for awarded quotations

Benefit

- Streamlined, comprehensive digitalized process, starting from sourcing project and quotations, to contracts and contract fulfillment
- Avoidance of manual work, outside the system, reducing errors and increases efficiency
- System-based sourcing process including complexity for commodities, enabling improved decision-making, audit, and control
- Better transparency for bidders through increased digitalization

Valid From	Valid To	Commodity	Quantity	Item Quantity	Commodity Name
01.01.2020	31.12.2020	CU	10,000 KG	1 EA	Copper
01.01.2020	31.12.2020	AL	10,000 KG	1 EA	Aluminium

Key innovations do not reflect licensing

SAP S/4HANA 2021 for Supply Chain

Innovation Highlights



advanced Transportation Management

Support for cross-delivery handling units

- Cross-delivery packing into one handling unit enabled by the SAP Extended Warehouse Management application
- Receipt of cross-delivery packing information through LDAP notifications by the SAP Transportation Management application
- Ability to include several freight units of different deliveries onto the same package item

Benefit

- Improved integration and communication with Extended Warehouse Management

INTEGRATION

Item Hierarchy	Item Type	Item Type (Description)	Qu...	Qu... UoM	Gross Wei...	Gross Wei... UoM	Gross Vol...	Gross Vol... UoM	Outer Vol...	Outer Vol... UoM	Product
✓ Active Vehicle T42_FTL 1000000			1	EA	20	KG	0,488...	M3			
✓ Package 30 EUROPALLET_PB	PKG	Package	1	EA	20	KG	0,14	M3	0,278...	M3	EUROPALLET_PB
✓ Outbound Delivery 80048364			4	EA	48	KG	0,14	M3			
✓ TM42 FU Type 0 4100096021			4	EA	48	KG	0,14	M3			
✓ Product 10 Large part 01			4	EA	48	KG	0,14	M3			T42_PROD-L01
✓ Outbound Delivery 80048365			6	EA	72	KG	0,21	M3			
✓ TM42 FU Type 0 4100096022			6	EA	72	KG	0,21	M3			
✓ Product 20 Large part 01			6	EA	72	KG	0,21	M3			T42_PROD-L01

Key innovations do not reflect licensing

SAP S/4HANA 2021 for Supply Chain

Innovation Highlights



Extended Warehouse Management

Integration of dangerous goods functionality with decentralized systems

- Drawing of dangerous goods master data from the dangerous goods management capability of SAP S/4HANA for product compliance
- Distribution of dangerous goods master data to decentralized warehouse management systems such as SAP Extended Warehouse Management

Benefit

- Support dangerous goods management in decentralized warehouse management systems deployed as an add-on to SAP NetWeaver, even when your company already uses the dangerous goods management capability of SAP S/4HANA for product compliance

Stock correction for the production supply area

Provide more reliable results in determining stock figures when using stock at the production supply area (PSA) in the warehouse for production supply strategies, including:

- Pending goods issue
- Pending put away in replenishment

Benefit

- Improve decision-making with more-accurate stock figures by removing the need to do ongoing manual call-offs
- React more efficiently to constantly changing stock at the PSA due to replenishment, planned and unplanned withdrawal for production, and other stock removal or placement scenarios

Advanced shipping and receiving – UI enhancement

- Support for the container unit layer in the advanced shipping and receiving user interface
- Display of the error message for goods movement in the delivery document and on the product layer

Benefit

- Improve productivity through a more intuitive user interface for advanced shipping and receiving

INTEGRATION

INTEGRATION

INTEGRATION

Key innovations do not reflect licensing

SAP S/4HANA 2021 for R&D / Engineering

Innovation Highlights – Enterprise Portfolio and Project Management



Project Management

Integration with collaboration cloud services

- Enable project managers to leverage integration scenarios to cloud services for engineering collaboration

Benefit

- Greater process flexibility through leveraging cloud collaboration services
- Increased visibility into project related engineering collaborations and requirements
- Higher speed of execution through reduced manual integration efforts
- Faster pace of innovation by leveraging flexible cloud innovations

DIGITAL
TRANSFORMATION

Integration with collaboration cloud services

- Enable project managers to leverage integration scenarios to cloud services for engineering collaboration

Benefit

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- Increased visibility into project related engineering collaborations and requirements
- Higher speed of execution through reduced manual integration efforts
- Faster pace of innovation by leveraging flexible cloud innovations

DIGITAL
TRANSFORMATION

Extend integration with collaboration cloud services

- Enable portfolio managers to leverage integration scenarios to cloud services for engineering collaboration on the portfolio-item level
- Extend the integration to enable collaboration from the SAP Portfolio and Project Management application

Benefit

- Greater process flexibility through leveraging cloud collaboration services
- Increased visibility into project-related engineering collaboration and requirements
- Higher speed of execution through reduced manual integration effort
- Faster pace of innovation by leveraging flexible cloud innovations

DIGITAL
TRANSFORMATION

Key innovations do not reflect licensing

SAP S/4HANA 2021

Industry 4.0



SAP S/4HANA 2021 for Asset Management

Innovation Highlights – Management of Change

Management of Change

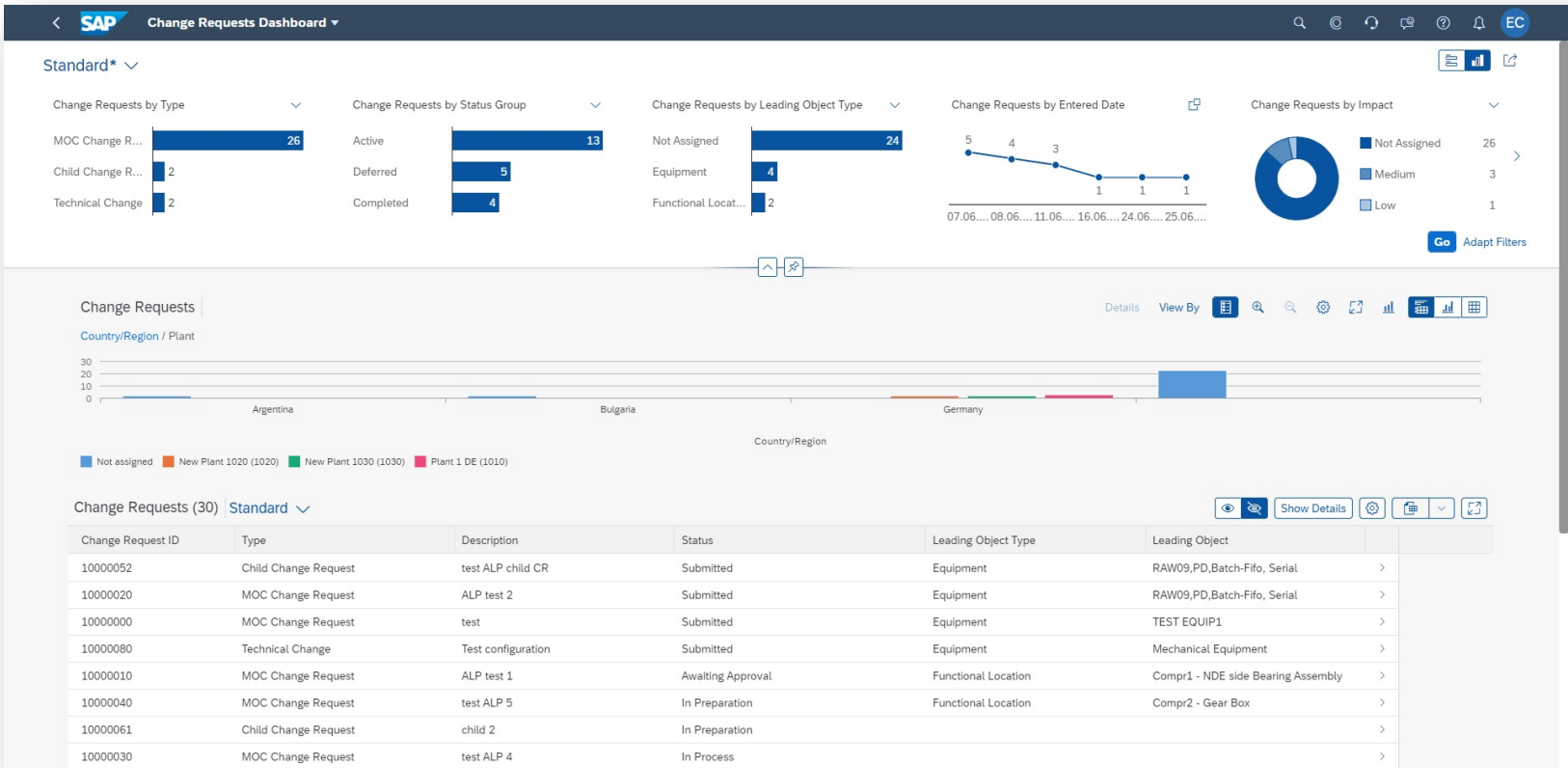
Ability to perform analysis of change-management requests and activities

- Enable customers to perform analysis of change-management requests and activities

Benefit

- Increase traceability through capabilities for data analysis of change requests and activities

INDUSTRY 4.0



Key innovations do not reflect licensing

SAP S/4HANA 2021 for Manufacturing

Innovation Highlights

Extended Production Operations

Production order split

Support splitting of production engineering and operation (PEO) shop-floor orders (similar to splitting classic production planning orders):

- Split order at any operation
- Enable the split to consider serial numbers for serialized output materials
- Keep accurate as-built information and genealogy

Benefit

Increase convenience and efficiency for operators to split PEO shop-floor orders in cases such as:

- Missing parts
- Nonconformance

INDUSTRY 4.0

Support for data collection for component instances

- Ability to inspect an installation order to check accuracy prior to assembly of parts or components Ability for the ERP system to be either an SAP ERP application or an SAP S/4HANA software system

Benefit

- Enable analysis of final products to prevent defect consumption in future

INDUSTRY 4.0

Manufacturing Engineering



Reference templates and reference operation sets

Standard library and templates within the SAP S/4HANA Manufacturing solution for production engineering and operations enable you to:

- Copy various routing objects, such as operations, operation activities, product resources and tools (PRTs), and paste them elsewhere in the same routing structure or in a completely different routing
- Create and define favorite folders where these templates can be organized according to your individual needs, either user specific or general
- Change and adjust templates in favorite folders
- Define and adjust referenceable templates

Benefit

- Faster routing maintenance
- Predefined templates by special authorized users

INDUSTRY 4.0

Key innovations do not reflect licensing

SAP S/4HANA 2021 for Supply Chain

Innovation Highlights



Extended Warehouse Management

JIT/JIS supply to production with an external source

- Enable JIT/JIS supply to production products to be picked in the warehouse or supplied by a vendor
- Enable the warehouse clerk to post the goods receipt directly to the production supply area (PSA) in case the physical movement does not need system support

Benefit

- Better flexibility for customers when using JIT/JIS scenarios

INDUSTRY 4.0

Manufacturing execution and digital manufacturing cloud: staging

- Create staging tasks automatically as soon as there is free capacity in the production supply area
- Trigger staging from SAP Manufacturing Execution and SAP Digital Manufacturing Cloud based on operations and provide transparency on the storage bin of the components
- Stage the components required at the right moment independent of the staging method (single-order staging or cross-order staging)
- Send a notification to SAP Manufacturing Execution and SAP Digital Manufacturing Cloud when the assembly process can be started

Benefit

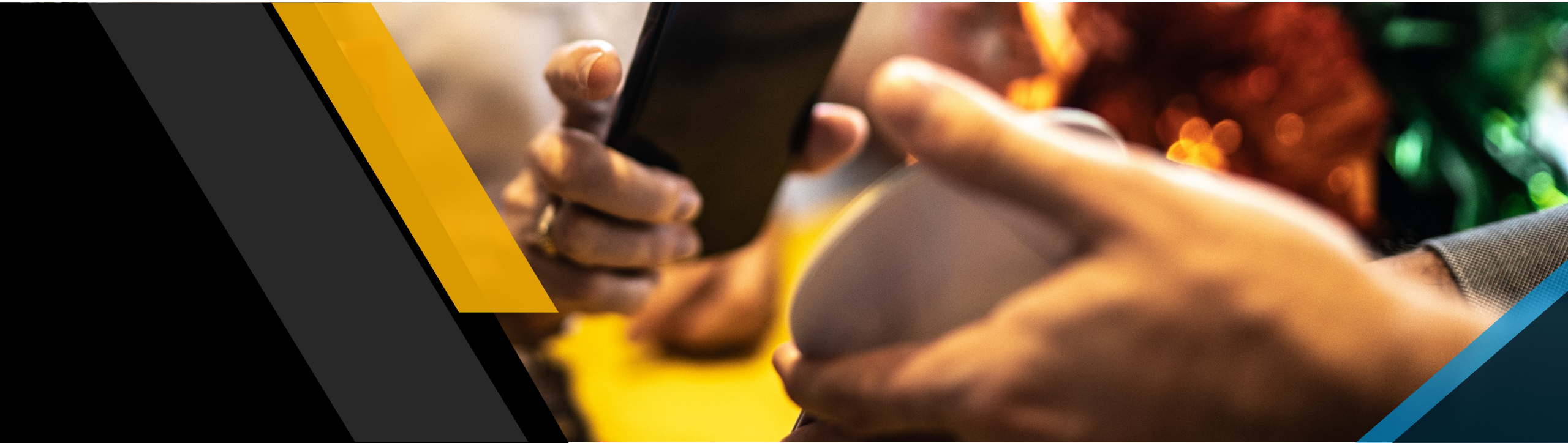
- Better utilization of space on the production line and more-efficient utilization of production resources
- Bin management of components

INDUSTRY 4.0

Key innovations do not reflect licensing

SAP S/4HANA 2021

Digital-age User Experience



SAP S/4HANA 2021 for Finance

Innovation Highlights

Receivables Management and Payment Handling



Reconcile sales-and-distribution billing documents with contract-accounting subledger documents

- Consider beside revenues also costs for subscriptions and usage in the SAP Margin Analysis to evaluate the profitability of customers and subscription / usage products
- Based on single customer billable items carrying the revenue, cost items can be split of and rated either in the Convergent Invoicing component or handed over to an external system

Benefit

- Greater visibility and accuracy in controlling and profitability analysis
- Enhanced cost controlling for digital services including those involving third-party and partner-based services



SAP Reconcile SD Billing Documents

Standard*

Billing Document: Billing Type: Billing Date: * Business Partner: Company Code: Adapt Filters (1) Go

Not Transferred (50) Inconsistent (1) Completed (149)

SD Billing Documents Not Transferred (50)

Billing Document	Billing Type	Billing Date	Business Partner	Contract Account	SD Invoice Amount	Company Code	G/L Account	Account Key	Sales Organization
90000130	Invoice (FI-CA)	17.04.2019	Georg Lang (LANGGE)	Georgs Vertragskonto (LANGGE01)	-800,00 EUR	MDG Company Code 0001 (0001)	Sales revenues - domestic (800000)		Sales Org. 001 (0001)
90000133	Invoice (FI-CA)	09.05.2019	Georg Lang (LANGGE)	Georgs Vertragskonto (LANGGE03)	-320,00 EUR	MDG Company Code 0001 (0001)	Sales revenues - domestic (800000)		Sales Org. 001 (0001)
90000134	Invoice (FI-CA)	09.05.2019	Georg Lang (LANGGE)	Georgs Vertragskonto (LANGGE03)	-320,00 EUR	MDG Company Code 0001 (0001)	Sales revenues - domestic (800000)		Sales Org. 001 (0001)
90000135	Invoice (FI-CA)	09.05.2019	Georg Lang (LANGGE)	Georgs Vertragskonto (LANGGE03)	-400,00 EUR	MDG Company Code 0001 (0001)	Sales revenues - domestic (800000)		Sales Org. 001 (0001)
90000142	Invoice (FI-CA)	09.05.2019	Georg Lang (LANGGE)	Georgs Vertragskonto (LANGGE03)	-400,00 EUR	MDG Company Code 0001 (0001)	Sales revenues - domestic (800000)		Sales Org. 001 (0001)
90000164	Invoice (FI-CA)	24.05.2019	Georg Lang (LANGGE)	Georgs Vertragskonto (LANGGE01)	-80,00 EUR	MDG Company Code 0001 (0001)	Sales revenues - domestic (800000)		Sales Org. 001 (0001)
90000204	Invoice FI-CA Docmnt	05.06.2019	GS Italy IT02 - No Tax SD => FICA (BP-GS-IT02)	GS Italy IT02 (SD=>FICA) (CA-GS-IT02)	-2.000,00 EUR	SAP Italy (IT99)	Sales revenues - domestic (800000)		Sales Org. IT99 (IT99)
90000206	Invoice FI-CA Docmnt	05.06.2019	GS Italy IT02 - No Tax SD => FICA (BP-GS-IT02)	GS Italy IT02 (SD=>FICA) (CA-GS-IT02)	-2.000,00 EUR	SAP Italy (IT99)	Sales revenues - domestic (800000)		Sales Org. IT99 (IT99)
90000270	Invoice (FI-CA)	11.06.2019	Georg Lang (LANGGE)	Georgs Vertragskonto - PartnerSettl (LANGGEIPS)	-80,00 EUR	MDG Company Code 0001 (0001)	Sales revenues - domestic (800000)		Sales Org. 001 (0001)
90000324	Invoice FI-CA Docmnt	21.06.2019	GS Italy IT03 - FULL TAX Grouping FICA (BP-GS-IT03)	GS Italy IT03 (SD=>FICA) (100080203)	-210,00 EUR	SAP Italy (IT99)		Output tax (MWS)	Sales Org. IT99 (IT99)
90000324	Invoice FI-CA Docmnt	21.06.2019	GS Italy IT03 - FULL TAX Grouping FICA (BP-GS-IT03)	GS Italy IT03 (SD=>FICA) (100080203)	-1.000,00 EUR	SAP Italy (IT99)	Sales revenues - domestic (800000)		Sales Org. IT99 (IT99)
90000329	Invoice FI-CA Docmnt	24.06.2019	Reiner Meyer (RM_SD01)	SD/FI-CA Integration: #01 (RM_SD01_01)	-100,00 EUR	MDG Company Code 0001 (0001)	Sales revenues - domestic (800000)		Sales Org. 001 (0001)
90000332	Invoice FI-CA Docmnt	24.06.2019	GS Italy IT03 - FULL TAX Grouping FICA (BP-GS-IT03)	GS Italy IT03 (SD=>FICA) (100080203)	-210,00 EUR	SAP Italy (IT99)		Output tax (MWS)	Sales Org. IT99 (IT99)
90000332	Invoice FI-CA Docmnt	24.06.2019	GS Italy IT03 - FULL TAX Grouping FICA (BP-GS-IT03)	GS Italy IT03 (SD=>FICA) (100080203)	-1.000,00 EUR	SAP Italy (IT99)	Sales revenues - domestic (800000)		Sales Org. IT99 (IT99)
90000333	Invoice FI-CA Docmnt	24.06.2019	GS Italy IT03 - FULL TAX Grouping FICA (BP-GS-IT03)	GS Italy IT03 (SD=>FICA) (100080203)	-210,00 EUR	SAP Italy (IT99)		Output tax (MWS)	Sales Org. IT99 (IT99)

Key innovations do not reflect licensing

SAP S/4HANA 2021 for Asset Management

Innovation Highlights



Maintenance Planning

Monitor the readiness of work orders

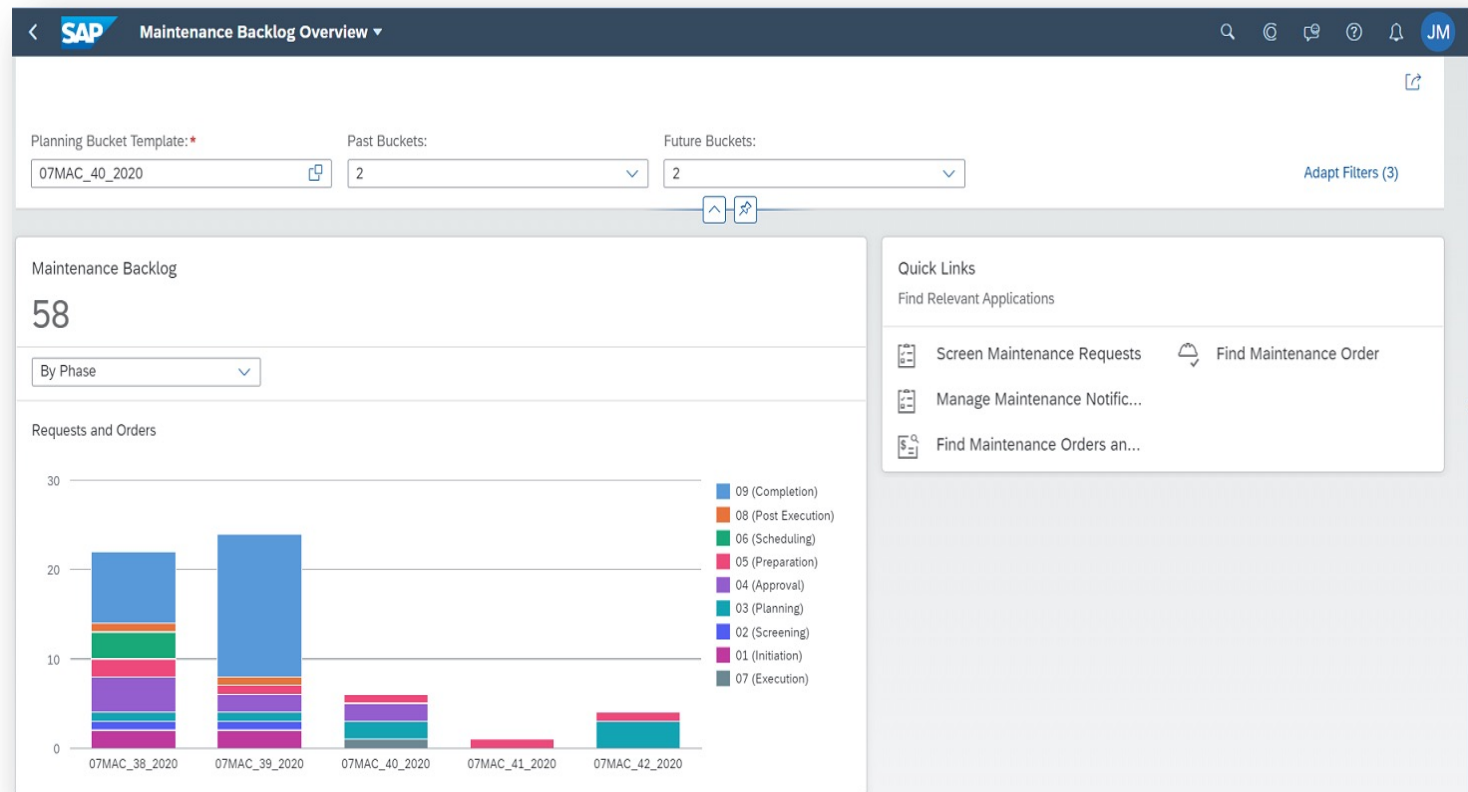
Prepare maintenance backlogs before they are scheduled for execution and achieve improved visibility into:

- The latest acceptable completion dates and the availability of resources to execute planned backlog items
- Availability of non-stock parts required for each maintenance work order
- Services procured and confirmed dates from subcontractors
- A comprehensive assessment of all of the critical tools needed to schedule and execute the maintenance work orders

Benefit

- Increased wrench time for technicians
- Improved schedule compliance

USER
EXPERIENCE



Key innovations do not reflect licensing

SAP S/4HANA 2021 for Manufacturing

Innovation Highlights



Material Requirements Planning

Enable supplier collaboration by integrating MRP with supplier systems

Enable customers which have connected SAP S/4HANA directly connected with supplier systems to:

- Directly inform their suppliers about exceptions that occurred in a manufacturing resources planning (MRP) run, such as planned changes in quantity, or date of purchase orders
- Automatically receive answers from suppliers regarding the requested changes

Benefit

- Automation of the MRP change requests between SAP S/4HANA and supplier systems



Create MRP Change Requests

Standard

Purchase Order: [Search] Material: [Search] Supplier: [Search] Request Status: [Select]

Adapt Filters Go

Purchase Order Schedule Lines (1.704)

Purchase Order Item	Schedule Line	Material	Supplier	Delivery Date	Open Quantity	Proposed Date
4500000370	10	TG-D010	S1030001	10.12.2020	788 PC	
4500000000	10	TG-D060	S1030002	11.12.2020	200 PC	
4500000001	20	TG-D020				
4500000001	30	TG-D030				
4500000001	50	TG-D040				
4500000002		TG-D020				

Application Jobs

KW*

Status: [Select] Date From-To: Today - 5 / + 1 days

Adapt Filters (1) Go

Jobs (3) Standard

Status	Log	Results	Steps	Job Name	Planned Start	Created By
Finished			1	MRP Rescheduling Checks	12.04.2021, 13:50	John MatPlnrExtProc
Finished			1	MRP Rescheduling Checks	12.04.2021, 11:28	John MatPlnrExtProc
Finished			1	MRP Rescheduling Checks	09.04.2021, 07:46	John MatPlnrExtProc

Key innovations do not reflect licensing

SAP S/4HANA 2021 for Supply Chain

Innovation Highlights – Inventory Management

Kanban

Kanban Board app – creation of event-driven Kanban replenishments

Enhancements to the SAP Fiori app "Kanban Board":

- Intuitively trigger replenishment from the Kanban Board app for event-driven Kanban control cycles
- Adapt the requested quantity as well as the requested delivery date and time

Benefit

- Flexibly react to the current inventory situation at the production line
- Use the event-driven Kanban process for fluctuations in material demand

USER
EXPERIENCE

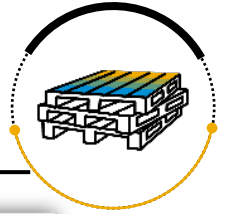
Kanban Board app – automatically refresh and retry status changes

- Retry failed status changes directly on the Kanban board supporting a lean error-handling process
- Define a refresh interval to automatically get the latest changes displayed on the Kanban board
- Display additional extensibility fields, for example, from the material master

Benefit

- React quickly to directly solve container errors using the SAP Fiori app "Kanban Board"
- Get the latest replenishment updates based on automatic refresh intervals, especially when using the Kanban board as a monitor in production

USER
EXPERIENCE



The screenshot displays the SAP Fiori Kanban Board app interface. At the top, there's a 'Create Containers' dialog box with fields for Material (RAW12.PD.RepetitiveManuf. (RM12)), Production Supply Area (Kanban PSA_03 (1018) (AZ_PSA_03)), and Plant (Plant 1 DE (1010)). It also includes fields for Requested Quantity (3), Packing Instruction, Number of Load Carriers, Delivery Date, and Delivery Time. Below these fields is a 'Control Cycle Details' section showing Last Request, Next Receipt, Last Receipt, and Empty Kanban Containers. The main part of the screenshot is a table titled 'Control Cycles at 11:24:56 (15)' with columns for Material, Production Supply Area, Kanban Container, and a grid of status indicators (red, green, yellow) with numerical values. A red dashed arrow points from the 'Create Containers' dialog to the table.

Material	Production Supply Area	Kanban Container	Status 1	Status 2	Status 3	Status 4	Status 5
RAW13.PD.Subcontracting	Supply Area 01 for KANBAN	KANBAN_01	81	78	80	+ Create Containers	
RAW35 - Assembly Component 1 (2T)	Supply Area 01 for KANBAN	KANBAN_01	394	395	396	397	398
RAW35	Supply Area 01 for KANBAN	KANBAN_01	399	400	401	392	393
RAW233-2.ND.KANBAN.sched. agreements	Supply Area 01 for KANBAN	KANBAN_01	354	355			
RAW12.PD.RepetitiveManuf.	Kanban PSA_03 (1018)	AZ_PSA_03	468	469	470	471	472
RAW12	Kanban PSA_04 (1018)	AZ_PSA_04	481	482	483	484	485
RAW12.PD.RepetitiveManuf.	Kanban PSA_05 (1018)	AZ_PSA_05	493	494	495	496	497
RAW12.PD.RepetitiveManuf.	Kanban PSA_06 (1018)	AZ_PSA_06	534	542	1995	1996	2016
RAW12.PD.RepetitiveManuf.	Kanban PSA_08 (1018)	AZ_PSA_08	2017	2110	2111	2173	505
RAW233-1.PD.KANBAN Stock Transfer	Bin Managed PSA	PSA_02	836	837	834	835	833

Key innovations do not reflect licensing

SAP S/4HANA 2021 for Consumer Industries

Innovation Highlights – Wholesale Distribution



Royalties Settlement for Sales

Schedule condition contracts for settlement using scheduling worklists

- Enable simple scheduling of dedicated condition-contract settlement dates
- Include multiple settlement dates to one scheduling worklist
- Monitor processing status of scheduling worklists

Benefit

- Improve transparency for billing clerks and accountants for creating scheduling worklists containing an exact set of condition-contract settlement dates
- Efficiently monitor which settlement dates caused issues and quickly reschedule them for settlement



Scheduling Worklist ID	Scheduling Worklist Template	Scheduling Worklist Status	Scheduling Worklist Description	Job Execution Date and Time	Scheduling Worklist Run Category
1000000152	Settlement of Condition Contracts (C001)	Planned, Not Executed	End-of-Day Settlements 06/16/2021		Productive Run
1000000181	Settlement of Condition Contracts (C001)	Not Planned	End-of-Day Settlements 06/17/2021		Productive Run
1000000126	Settlement of Condition Contracts (C001)	Not Planned	End-of-Day Settlements 06/17/2021	06/17/2021, 11:39:50	Productive Run
1000000214	Settlement of Condition Contracts (C001)	Not Planned	Months-End Settlement February	02/28/2021, 09:00:00	Productive Run
1000000213	Settlement of Condition Contracts (C001)	Completed	Months-End Settlement January	01/31/2021, 09:00:00	Productive Run
1000000201	Settlement of Condition Contracts (C001)	Planned, Not Executed	End-of-Day Settlements 06/24/2021	06/24/2021, 18:00:00	Productive Run
1000000193	Settlement of Condition Contracts (C001)	Completed			Productive Run
1000000212	Settlement of Condition Contracts (C001)	Execution Aborted			Productive Run
1000000190	Settlement of Condition Contracts (C001)	Completed			Productive Run
1000000191	Settlement of Condition Contracts (C001)	Not Planned			Productive Run
1000000127	Settlement of Condition Contracts (C001)	Execution Aborted		06/18/2021, 14:10:15	Productive Run
1000000160	Settlement of Condition Contracts (C001)	Locked for Execution		06/18/2021, 13:09:29	Productive Run
1000000143	Settlement of Condition Contracts (C001)	Planned, Not Executed			Productive Run

Key innovations do not reflect licensing

SAP S/4HANA 2021

Last Mile Distribution for Direct Distribution



SAP S/4HANA 2021 for Consumer Industries

Innovation Highlights

Last Mile Distribution for Direct Distribution



Support of van sales with effective tracking of stock availability and sales on routes

- Support van sales from order to cash and manage stock for routes
- Receive and store visit list information for route preparation
- Create and assign load proposals using visit list information
- Create and assign sales order proposals using visit list information

Benefit

- Distribute goods with greater flexibility by managing van sales and the delivery of ordered goods with the same solution
- Increase the accuracy of stock loading through predictive load planning
- Automate the assignment of stock loads to routes and use integrated transportation management capabilities
- Capture sales orders faster by using generated sales order proposals in a mobile scenario

The screenshot displays the SAP S/4HANA Visit List interface. On the left, there are search and filter options for Visit List ID, Type, Date, Location, and Organization. The main area shows details for visit 251, including its type (DS - Delivery schedule), driver (SDD_DVS_01), and execution status (Open). Below this, a table lists five visits with their respective customer names, addresses, opening and closing times, and planned visit status.

Customer	Address	Opening Time	Closing Time	Visit Status	Planned Visit
The Giant Bar 01	730 Main St, 94019 Half Moon Bay	09:00:00	18:00:00	Open	Yes
Twin Liquors & More 01	221 Cathcart St, 95060 Santa Cruz	09:00:00	18:00:00	Open	Yes
Simple Foods Market 01	790 Mariner Park Way, 95062 Santa Cruz	09:00:00	18:00:00	Open	Yes
The Dancing Guitar Pub 01	100 De Anza Blvd, 94402 San Mateo	09:00:00	18:00:00	Open	Yes

Key innovations do not reflect licensing

SAP S/4HANA 2021 for Consumer Industries

Innovation Highlights

Last Mile Distribution for Direct Distribution

Settlement of generic batches and intermediate route settlement

- Enable settlement for generic batches
- Enable intermediate route settlement

Benefit

- Settle routes that involve the delivery of goods that require batch handling
- Speed up revenue postings and reduce work peaks in the system through intermediate route settlement



SAP Route 6100009070

General Information Check-Out Difference Check-In Difference

Route Type: DEV:ROUTE TYPE (PB) Yes Yes

Source Location: Shipping Point 1710 (SP_1710)

Departure Date: 15.01.2021

Driver: LMD_DRY_01 (LMD Delivery Driver 01)

Execution Organization:

Related Apps

All Differences (14) Check-Out Differences (7) Check-In Differences (7)

Document No.	Document T...	Delivery No.	Product	Difference Quantity	Difference Amount	Reason
Document No.: 39985						
39985	ZCD2	80025668	LMD2001 (LMD Beer - Lager Keg 15.5 gal)	4 EA	756,00 USD	C4 (CI Difference -)
39985	ZCD2	80025668	LMD4000 (LMD Keg (EM) 15.5 gal)	4 EA	84,00 USD	
39985	ZCD2	80025668	LMD2014 (LMD Beer 50 L Keg)	1 EA	147,00 USD	C4 (CI Difference -)
39985	ZCD2	80025668	LMD4004 (LMD Keg (EM) 50 L)	1 EA	21,00 USD	
Document No.: 39988						
39988	ZCDD	80025671	LMD2002 (LMD Beer - Lager 24x12 fl. oz)	2 CV	37,80 USD	C2 (CO Difference -)
39988	ZCDD	80025671	LMD4001 (LMD Crate (EM) 24x12fl. oz)	2 EA	3,15 USD	
39988	ZCDD	80025671	LMD4002 (LMD Bottle (EM) 12 fl. oz)	48 EA	0,38 USD	
Document No.: 60001638						
60001638	ZCD1	84001222	LMD1010 (LMD Sweet Potato Chips 9.75 oz)	5 EA	21,00 USD	
60001638	ZCD1	84001222	LMD1001 (LMD Milk Chocolate 6.8 oz)	5 EA	9,45 USD	
60001638	ZCD1	84001222	LMD4000 (LMD Keg (EM) 15.5 gal)	1 EA	21,00 USD	
Document No.: 60001640						

Key innovations do not reflect licensing

SAP S/4HANA 2021

Energy & Natural Resources



SAP S/4HANA 2021 for Energy & Natural Resources

Innovation Highlights – Utilities



Customer Interaction and Service Management Utilities

Identification screen: views and one-click actions for move-in/out processes, service orders, and invoicing documents

- For both sales contracts and IS-U contracts, availability of a detailed overview from the identification screen, which can be called up by using a one-click action
- View of detailed information about business master data objects (for example, contract accounts) or technical master data objects (for example, register or device) by clicking on an object from the identification screen
- Access to overviews of selected objects by clicking on the IDs of technical or business master data in the identification screen
- Special tree views to get information about business partners with service orders or invoicing documents
- Complete technical master data tree that shows information about disconnection documents
- Embedded IS-U processes in the identification screen
- User ability to maintain IS-U documents through one-click actions

Benefit

- Increase usability by making more information available right from the identification screen
- Provide essential contextual information for the customer or related accounts to improve communication flow
- Provide better access to processes related to IS-U from the identification screen
- Enable fast access to relevant processes for target groups relying on IS-U move-in/out processes

Result List:

Object	Description	ID
Postplatz 89928149 / 011	1 Premise 2 Points Of Delivery	20000000000000038213
Floor 1, Room 3	Occupied	611111
Electricity	U-E-RS	DE12121301108000020830683899...
Electricity	E1	DE12122301108000010681454652...
Electricity	Installation not disconnected	75198
37916		101
Disconnection Docu...		
Utilities Discor	Disconnected	5301-0001
On-peak rate	01.05.2021 - ∞	10113858 - 001
Electricity	Installation not disconnected	75199
Point of Delivery Time R...		
DE121213011080...	01.01.2010 - 31.12.9999	Electricity
DE121223011080...	01.01.2010 - 31.12.9999	Electricity

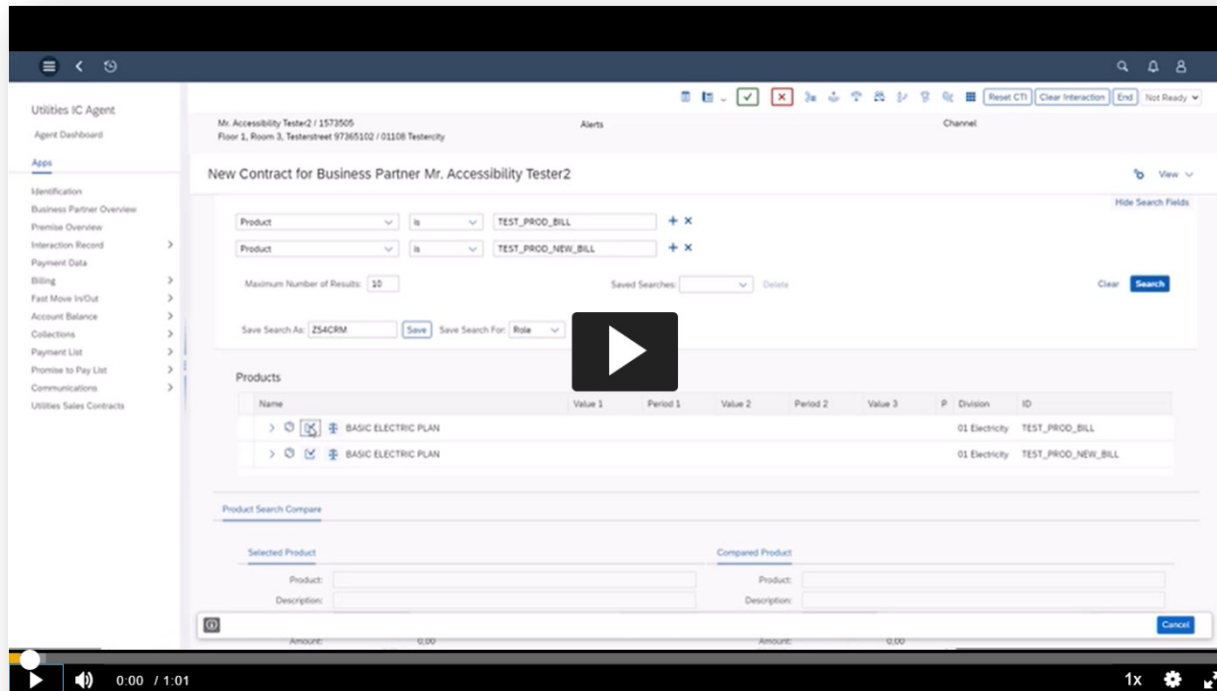
More Fields

Key innovations do not reflect licensing

SAP S/4HANA 2021 for Energy & Natural Resources

Innovation Highlights – Utilities

Customer Interaction and Service Management Utilities



Sales contract management for utilities allows multi-end, change contract items and differentiated product selection.



Click [here](#) to watch the video and see the billing simulation during contract management process.



Click [here](#) to watch the video and see the available processes to access from contract item overview.

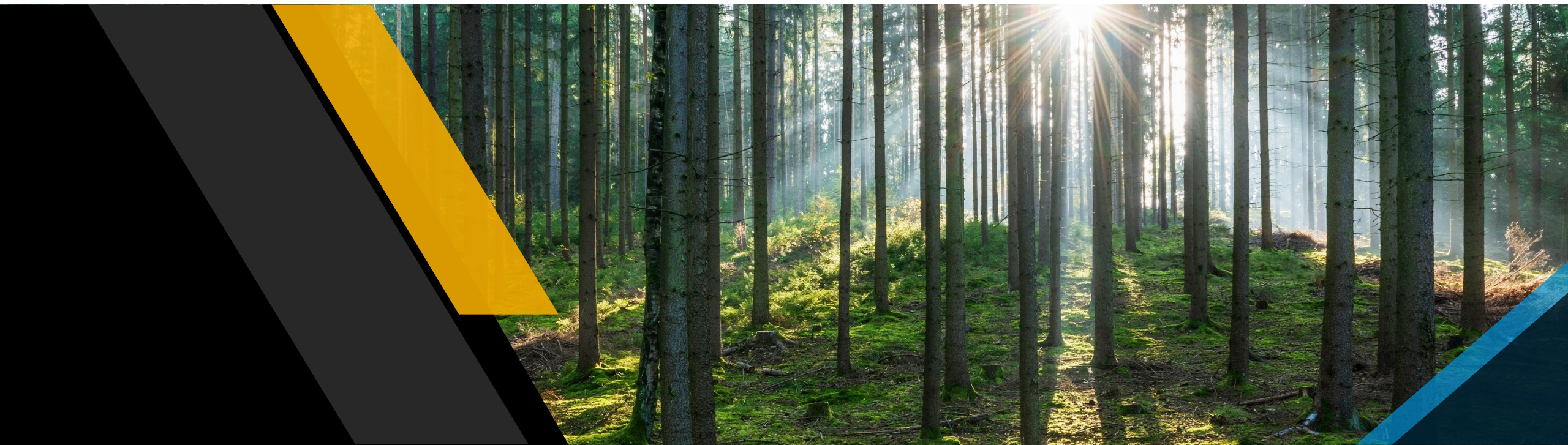


Click [here](#) to watch the video and see how you can change sales contract item.

Key innovations do not reflect licensing

SAP S/4HANA 2021

Product Compliance, SAP Product Footprint Management



INTEGRATION



SAP S/4HANA 2021 for R&D / Engineering

Innovation Highlights – Product Compliance



Dangerous Goods Management

Provide dangerous goods information on sales documents

Print dangerous goods information on the following sales-confirmation documents using NAST-based output management:

- Order (document category C)
- Order without charge (document category I)
- Quotation (document category B)
- Contract (document category G)
- Scheduling agreement (document category E)
- Scheduling agreement with an external service agent (document category F)

Benefit

- Provide sales documents that are compliant with the dangerous goods regulations



Track Sales Order Details

Fulfillment

Document	Fulfillment Status
▼ Fulfillment Standard Order 15358	Delivery Not Started / Not Relevant for Invoicing
▼ Standard Order 15358	Not Delivered
Delivery Issue in Sales Orders	Overdue: 176 Days

Standard Order 15358
Not Delivered

Overall Status: **Open** Standard Order: 15358 Net Value: 52.65 EUR Requested Delivery Date: 10/13/2020 Approval Status: **In Approval** Approval Request Reason: Approval reason for workflow

General Information Items Notes Attachments Contacts

Delivery and Shipping	Invoice and Payment	Customer Details
Overall Delivery Status: Not Delivered	Billing Date: 10/13/2020	Sold-to Party: Inlandskunde DE 1 GmbH
Purchasing Confirmation Status: Item not relevant for confirmation	Ord. Rel. Billg Sts: Not Relev. for Billg	Sold-to Party Name: Inlandskunde DE 1 GmbH
Rejection Status: Nothing Rejected	Incoterms Version: No Version	Sold-to Party Address: 20201211022641 022648 / 74214 Schönlath
Product Marketability Status: OK – Not Relevant	Incoterms: Ex Works (EXW)	Ship-to Party: Inlandskunde DE 1 GmbH
Dangerous Goods Status: OK – No Dangerous Goods; Not Relevant	Incoterms Location 1: Walldorf	Ship-to Party Name: Inlandskunde DE 1 GmbH
Safety Data Sheet Status: OK – Not Relevant	Incoterms Location 2: –	Ship-to Party Address: 20201211022641 022648 / 74214 Schönlath
Legal Control Status: Not Relevant, No Check		Ship-to Party Country/Region: Germany
Embargo Status: Not Relevant, No Check		Customer Reference: 1001
Watch List Screening Status: Not Relevant, No Check		Terms of Payment: As of End of Month
Complete Delivery: No		
Shipping Conditions: Standard (01)		

Key innovations do not reflect licensing

SAP S/4HANA 2021 for SAP Product Footprint Management

Innovation Highlights



Environmental Footprint Assessment

Ability to search and discover product footprints

- Enable SAP S/4HANA business users, such as operational purchasers and strategic purchasers, to search by product and plant to view product-footprint master data

Benefits

- Enable users to correlate their product footprint and its impact on climate change with their day-to-day operations, such as their choice of a vendor or product from a catalog, and to change their buying behaviors to reduce the overall footprint from purchased products

The screenshot shows the 'View Product Footprints' interface in SAP S/4HANA. At the top, there is a search bar with 'Standard*' selected. Below it, there are input fields for 'Product:', 'Product Group:' (containing 'Trading Materials (L001)'), 'Plant:', and 'Company Code:'. A 'Go' button and 'Adapt Filters (1)' are on the right. The main area displays a table of footprints for 10 items. The table has columns for Product, Product Group, Plant, Company Code, Category, and Quantity / Unit. The data shows various trading goods and their associated climate change footprints in KG or M3.

Product	Product Group	Plant	Company Code	Category	Quantity / Unit
TG11 Trad.Good 11,PD,Reg.Trading	Trading Materials (L001)	Plant 1 US (1710)	Company Code 1710 (1710)	Climate Change (GHG)	0,000 KG
TG11 Trad.Good 11,PD,Reg.Trading	Trading Materials (L001)	Plant 1 DE (1010)	Company Code 1010 (1010)	Climate Change (GHG)	48,000 KG
TG12 Trad.Good 12,Reorder Point,Reg.Trad.	Trading Materials (L001)	Plant 1 US (1710)	Company Code 1710 (1710)	Climate Change (GHG)	234,567 M3
TG12 Trad.Good 12,Reorder Point,Reg.Trad.	Trading Materials (L001)	Plant 1 DE (1010)	Company Code 1010 (1010)	Climate Change (GHG)	49,000 KG
TG21 Trad.Good 21,Reorder Point,Batch-FIFO	Trading Materials (L001)	Plant 1 US (1710)	Company Code 1710 (1710)	Climate Change (GHG)	32,334 KG
TG21 Trad.Good 21,Reorder Point,Batch-FIFO	Trading Materials (L001)	Plant 1 DE (1010)	Company Code 1010 (1010)	Climate Change (GHG)	39,000 KG
TG0011 Trading Good 0011,PD,Regular Proc.	Trading Materials (L001)	Plant 1 US (1710)	Company Code 1710 (1710)	Climate Change (GHG)	34,890 KG
TG0011 Trading Good 0011,PD,Regular Proc.	Trading Materials (L001)	Plant 1 DE (1010)	Company Code 1010 (1010)	Climate Change (GHG)	13,000 KG
TG0013 Trading Good 0013,PD,Regular Proc.	Trading Materials (L001)	Plant 1 US (1710)	Company Code 1710 (1710)	Climate Change (GHG)	33,456 KG
TG0013 Trading Good 0013,PD,Regular Proc.	Trading Materials (L001)	Plant 1 DE (1010)	Company Code 1010 (1010)	Climate Change (GHG)	10,000 KG

Key innovations do not reflect licensing

SAP S/4HANA 2021 for R&D / Engineering

Innovation Highlights – Product Compliance



Dangerous Goods Management

Enhanced dangerous goods classifications including RID, ADN, ADG, NZS, and SANS

- New SAP Fiori app for detailed basic dangerous goods classification for regulations concerning the International Carriage of Dangerous Goods by Rail (RID), the European agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN), the Australian Dangerous Goods code (ADG), the New Zealand standard NZS 5433, and SANS 10228, which relates to the identification and classification of dangerous goods for transport by road and rail modes in South Africa
- Classification of data based on integrated regulatory content
- Ability to dynamically show or hide additional information
- Generation of the dangerous goods basic description in the required languages

Benefit

- Reduce compliance costs through increased data quality and efficiency
- Simplify classification of products by use of regulatory dangerous goods content for data maintenance



Edit Language	Dangerous Goods Basic Description
English	UN 1993 FLAMMABLE LIQUID, N.O.S. (n-butyl acetate, Isobutyl alcohol), 3, II
French	UN 1993 LIQUIDE INFLAMMABLE, N.S.A. (Acétate de n-butyle, Isobutanol), 3, II

Key innovations do not reflect licensing

SAP S/4HANA 2021

Governance, Risk, and Compliance



SAP S/4HANA 2021 for Finance

Innovation Highlights – Governance, Risk, and Compliance



SAP Financial Compliance Management

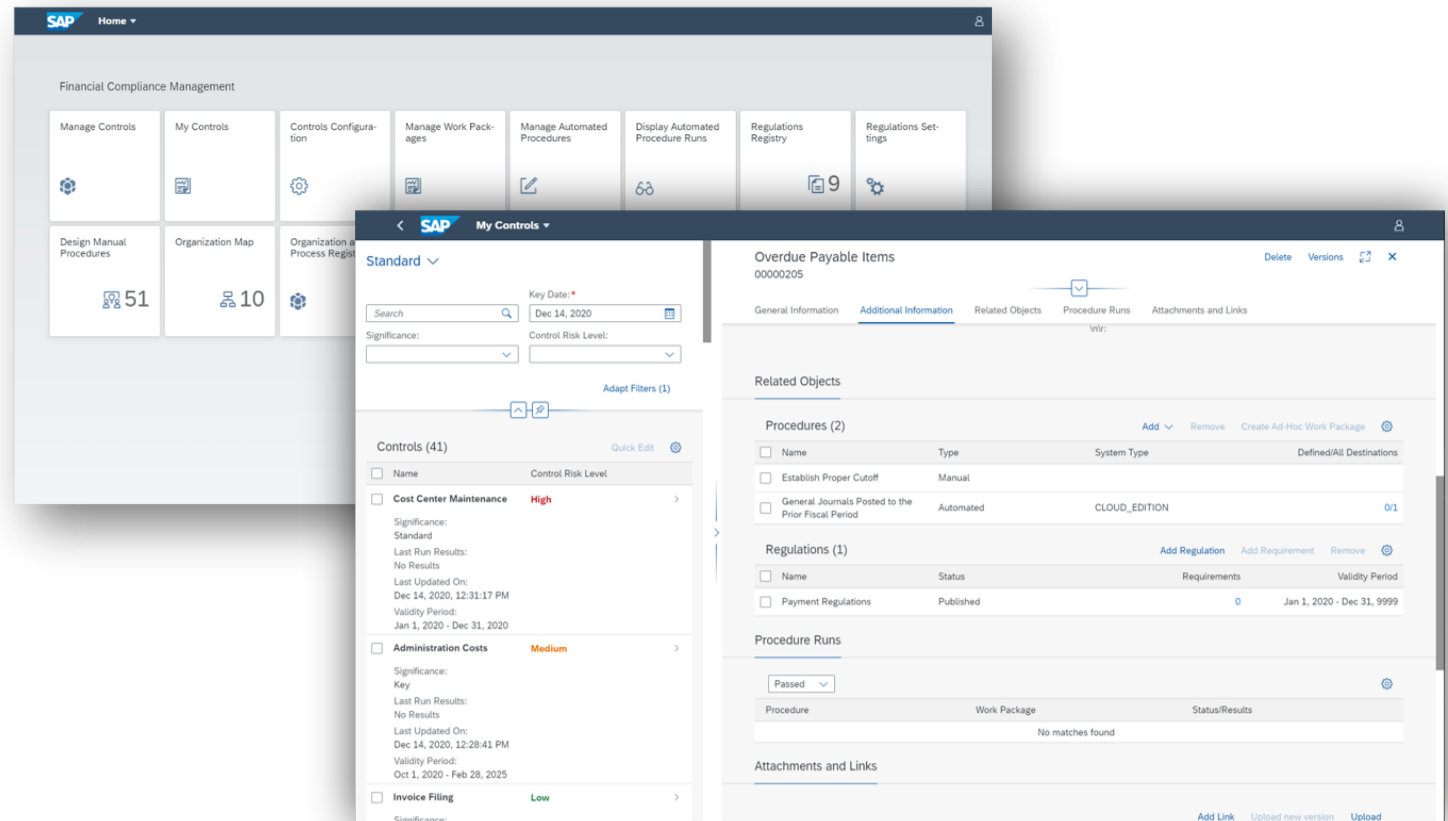
Best Practice Content for Financial Compliance Management

New predefined automated controls check for suspicious activity. For example:

- Journal entries: potential duplicates, manual postings, or postings exceeding predefined thresholds
- Purchasing documents: overpaid goods receipts
- Vendors: one-time vendor account payments to permanent suppliers
- Suppliers: suppliers with duplicate invoice check disabled
- Invoices: invoices approved for payment without goods receipt

Benefit

- Increase level of financial compliance
- Leverage most commonly used controls
- Use as a template for customer-defined controls
- Accelerate project kick-off



Key innovations do not reflect licensing

SAP S/4HANA 2021 for Finance

Innovation Highlights – Governance, Risk, and Compliance



International Trade Management

Trade compliance embargo checks for LE inbound deliveries

Prevent purchase activities with embargoed countries:

- Manage embargo situations
- Resolve embargo-blocked documents
- Display trade compliance documents

Benefit

- Promote compliance in international trade
- Prevent friction in international trade processes
- Avoid financial loss

Enhancement of trade-compliance checks in MM purchasing documents

- Enable determination and trade compliance check of legal regulations for plants in sales documents when they are in a different country than the company code

Benefit

- Assure legal compliance regarding legal control for sales documents in a plants-abroad scenario
- Keep international trade processes frictionless
- Avoid financial loss

Screening checks for SD sales quotation

- Meet the legal requirement to exclude any individual customer names or addresses used in business processes from all lists of sanctioned parties (for instance, a company's denied-party list)
- Call the screening application for SAP Cloud Platform within the trade compliance document in SAP S/4HANA for use with purchasing scheduling agreements

Benefit

- Assure legal compliance with regard to sanctioned-party list screening for purchasing scheduling agreements

Key innovations do not reflect licensing

SAP S/4HANA 2021

Innovation Highlights for Cross Topics



SAP S/4HANA 2021 for Cross Topics

Innovation Highlights – Maintenance



Downtime-optimization for Upgrades and Updates

General Availability of Zero Downtime Option for SAP S/4HANA

- Built-in zero-downtime maintenance capability
- Ability to perform upgrades and updates without technical downtime
- Support of release upgrades, feature and support package stack updates

Benefit

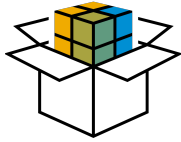
- Significant reduction of the overall business downtime



For more Information, see the [SAP Note 2707731](#)



Key innovations do not reflect licensing



The Enterprise Management Layer in a Nutshell

The Enterprise Management Layer offers a ready-to-run, pre-configured, localized core template based on pre-activated SAP Best Practices on-premise country versions covering 43 countries. Its enhanced global design, developed specifically for multinational corporations, helps you reduce costs, decrease risks, and accelerate adoption during discovery, evaluation and implementation activities.

When to consider



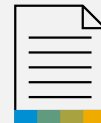
- Support **greenfield customers** but as well **customers transitioning from ECC to S/4HANA**
- "Touch" a **consumable system** for early look & feel
- Explore capabilities** of a comprehensive SAP solution for specific use cases
- Run **Fit-to-Standard** analysis with customers business experts
- Evaluate **comprehensive solution design**
- Leverage an agile, lean and international proven approach to **jump-start implementation**
- Make it tangible for customers business, allow for **hands-on experience from day ONE**
- Address resource bottlenecks in IT and business early and investigate ways to reduce time and effort

What is delivered



Preconfigured solution

- Pre-activated for **up to 43 SAP Best Practices country versions** based on S/4HANA 2020 (on premise)
- Re-designed and enhanced SAP Best Practices to **support multinational corporations**, including localization for all countries
- Available as an appliance: **database backup** (to be imported into the customer landscape)



Business content and accelerators

- Business-process documentation
- Demo and test scripts
- Configuration documents
- How-to guides



Technology

- SAP S/4HANA® 2020
- SAP Fiori® user experiences (embedded)
- Adobe Document Services
- Based on SAP Best Practices whitelist approach for client setup

Business Process Coverage



Supply Chain

- Inventory
- Warehousing

R&D and Engineering

- Product Engineering

Database & Data Management

- Enterprise Information Management

Manufacturing

- Production Engineering
- Production Operations
- Production Planning
- Quality Management

Sourcing and Procurement

- Invoice Management
- Operational Procurement
- Procurement Analytics
- Sourcing & Contract Management
- Supplier Management

Finance

- Accounting & Financial Close
- Cost Management & Profitability Analysis
- Enterprise Risk & Compliance
- Financial Operations
- Treasury Management (basic)

Asset Management

- Maintenance Management

Sales

- Order & Contract Management
- Sales Force Support

Service

- Service Operations & Processes
- Service Master Data & Agreement Management

Service Scope



Service Scope-Options

- Actual Costing
- Advanced Cash Management
- Advanced Compliance Reporting
- Advanced Receivables Management
- Contract and Lease Management
- Group Reporting
- Warehouse Management
- Advanced ATP
- Advanced Variant Configuration
- Extended Production Planning and Scheduling
- Contract Management

Service Scope-Enhancements

- Parallel Accounting
- Localization
- Intercompany Processes
- Project System for Accounting

SAP S/4HANA 2021

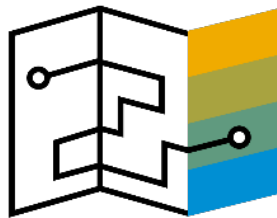
Where to go for more information



Official SAP Road Maps webpage: sap.com/roadmaps

To view all SAP Road Map documents, visit www.sap.com/products/roadmaps/finder-all.html

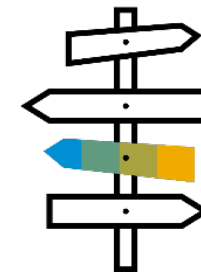
SAP ROAD MAPS describe recent and upcoming highlights in SAP's portfolio to help you plan and implement your IT landscape.



INTERACTIVE ROAD MAPS PLATFORM

SAP INTERACTIVE ROAD MAPS connect thought leadership with solution capabilities, business value, and innovations. This digital platform is the future of Road Maps, with more content being added regularly.

<https://roadmaps.sap.com>

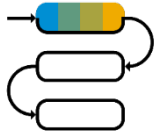


CUSTOM ROADMAPPING TOOL

SAP TRANSFORMATION NAVIGATOR brings together industry trends with the customer's business and IT priorities to create a custom road map to SAP S/4HANA.

<https://support.sap.com/stn>

SAP S/4HANA MOVE Planning Tools



Process Discovery

For Project Leaders

The Process Discovery for SAP S/4HANA Transformation is the evolution of SAP Business Scenario Recommendations and helps customers and partners to drive innovation adoption and to consume maintenance services.

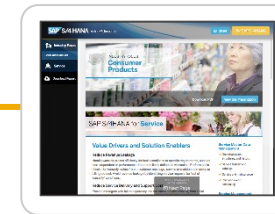
Identify SAP S/4HANA Innovation & Improvement potential based on your system data.



SAP Transformation Navigator

For Business and IT Leaders

This tool analyzes the goals and builds a technical business case including a roadmap on where to go in the future with SAP S/4HANA. It's a web-based and free self-service road-mapping tool. It uses the information about the existing SAP system landscape to create a recommendation for a new SAP S/4HANA-centric landscape with the latest SAP solutions.



SAP S/4HANA Readiness Check

For IT Leaders

It checks the readiness of multiple aspects of the running SAP ERP 6.x system to migrate to SAP S/4HANA. The tool assesses the functional and technical aspects of an implementation of SAP ERP, including: Custom-code compatibility, System sizing and data volume management, Add-on and extractor compatibility and other items

Small / Mid-sized Business

Large Customers

Strategic Customers



Why should you **RISE** with **SAP**?

- One hand to shake, and one contract to sign
- Standardize, modularize, and accelerate innovation
- Get all the benefits without giving up your options



For more information, click [here](#)

Thank you.

Contact information:

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SAP S/4HANA Product Success, Co-Innovation and
Content

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SAP S/4HANA®

THE BEST RUN



SAP S/4HANA 2021

Questions



SAP S/4HANA 2021 for Sales

Innovation Highlights

Master Data Management

Business partner (BP): adoption of multiple and time-dependent addresses in the order-to-cash scenario

Introduction of multiple and time-dependent addresses from the business partner (BP) into the order-to-cash scenario:

- Handling of multiple and time-dependent addresses, which supports the representation of a legal entity within the customer data of a BP
- Certain address usage types on the BP level enabling the assigned customer master to use multiple addresses; enhancement of the customer data to manage address-dependent attributes
- Enabling the consumption of multiple and time-dependent addresses that are provided by BP master data
- Settlement management and global trade management reuse of the given logic for sales document processing
- Operational procurement support for the integration of multiple addresses in the third-party process; purchase requisition and purchase order retrieval of delivery address information from the sales order
- Continued extended warehouse management (EWM) use of BP standard addresses from the very beginning as the ship-to addresses in outbound delivery; consideration of multiple and time-dependent addresses of the BP in order-related outbound delivery processes in which the specific address to be used is already determined in the order; option in direct outbound delivery orders (delivery created in EWM) to select an address from the BP's multiple addresses
- Continued transportation-management consumption of BP information and locations that were created based on a BP address
- Adaptation of multiple addresses into the interface to SAP Global Trade Services (SAP GTS)
- Consideration of multiple and time-dependent addresses of BPs in Vehicle management (customer ordering and delivery process) and Just-in-time processing (supply to customer)

Benefit

Handling of multiple and time-dependent addresses from the BP, which allows customers to consume enhanced BP features in sales processes:

- Support for the SAP strategy using BP master data as the leading object in SAP S/4HANA
- Harmonization of master data for sales processes by having one single BP per legal entity (instead of having one BP per customer, per address)
- Reduced time and costs in master data maintenance
- Increased sales process efficiency through use of only one central master data record for a complete legal entity
- Better reflection of time-dependent address changes in sales documents, such as sales orders, outbound deliveries, and billing documents, in SAP S/4HANA
- Simplification of master data transfer to SAP GTS



BP Multi Addresses DE 01
301191

Basic Data ▾ Roles ▾ **Address ▾** Address Independent Communication ▾ Bank Accounts ▾ Payment Cards ▾

Address Details

Address Details (7)

Address	Country/R...	Standard	Valid From	Valid To
<input type="radio"/> Bahnhofstr. 2, 10178 Berlin, Germany	DE	No	02.03.2021	31.12.9999
<input type="radio"/> Postplatz 3, 20456 Hamburg, Germany	DE	No	02.03.2021	31.12.9999
<input type="radio"/> Ottostr. 4, 80333 München, Germany	DE	No		
<input type="radio"/> Brühlsche Gasse 5, 01067 Dresden, Germany	DE	No		
<input type="radio"/> Am Aubuckel 6, 68309 Mannheim, Germany	DE	Yes		
<input type="radio"/> Friedenplatz 7, 20456 Hamburg, Germany	DE	No		

Address Independent Communication

Telephone

Address Details

BP Multi Addresses DE 01 /

Postplatz 3, 20456 Hamburg, Germany

Address **Contact Information ▾**

Address Usages

Address Usages (2)

Address Type	Valid From
<input type="radio"/> BILL_TO	02.03.2021
<input type="radio"/> SHIP_TO	02.03.2021

USER EXPERIENCE

Key innovations do not reflect licensing

SAP S/4HANA 2021 for Sales

Innovation Highlights

Sales Order Management and Processing

Manage Sales Orders app to create and edit sales orders quickly and intuitively

Create and edit sales orders quickly and intuitively with the new SAP Fiori app

- Efficient creation of sales orders, with pricing being determined immediately and ATP check carried out
- Adopt UI to company best practices via key user adaptation i.e. show/hide/re-arrange standard and extension fields,
- Embedded analytics with context based navigation
- Quick actions accelerating users work
- Mass data entry via xls cut and paste

Benefit

- Increase sales force speed and efficiency with the new app

USER
EXPERIENCE

SAP

Sales Order Item

Sales Order / Sample1

Trad.Good 11,PD,Reg.Trading (TG11)

General Information

Delivery

Business Partners

Status and Blocks

Prices

Texts

All Price Elements

All Price Elements

Active Price Elements

Active Price Conditions

Manual Price Conditions

Statistical Price Conditions

	Description	Condition	Amount or Ratio	Pricing Unit	Condition Value	Statistical	Changed Manually			
			333,00	EUR	1	PC	999,00	EUR	No	No
			333,00	EUR	1	PC	999,00	EUR	No	No
			-11,11	EUR	1	PC	-33,33	EUR	No	No
	Sum Surcharges/Disco		-11,11	EUR	1	PC	-33,33	EUR	No	No
	Net Value 1		321,89	EUR	1	PC	965,67	EUR	No	No
	Stat.Value without F		321,89	EUR	1	PC	965,67	EUR	No	No
	Net Value 2		321,89	EUR	1	PC	965,67	EUR	No	No
YZWR	Down Pay/Settlement		0,00	EUR			0,00	EUR	No	No
TTX1	Output Tax		19,000	%			183,48	EUR	No	No
	Total Value		383,05	EUR	1	PC	1.149,15	EUR	No	No
PCIP	Internal Price		10,00	EUR	1	PC	30,00	EUR	Yes	No
	Profit Margin		311,89	EUR	1	PC	935,67	EUR	No	No

Texts

Texts for Sales Order Item (0)

Text Type	Language Key	Text
No items available.		

Apply

Key innovations do not reflect licensing