



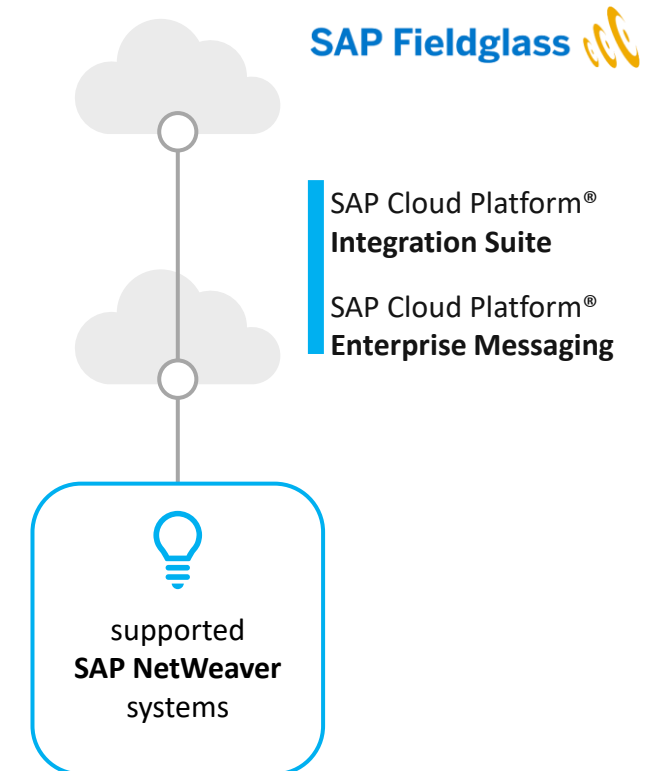
SAP Fieldglass Integration with SAP ERP and SAP S/4HANA

September 7, 2020

SAP Fieldglass now includes full processes integration with SAP ERP and SAP S/4HANA

SAP Fieldglass is now available with an Add-on solution for fast and low-risk integration to SAP backend systems

- End-to-end integration with SAP Fieldglass **Contingent Workforce Management** and **Services Procurement** solutions
- Add-on component, installed on supported SAP NetWeaver systems
- connects to SAP Fieldglass through SAP Cloud Platform
- master data and service master synchronization
- create and change SAP purchase requisitions and purchase orders
- supports standard, service and limit orders, and plant maintenance orders
- create and change SAP service entry sheets and SAP invoices (also automatically) in the SAP system
- optional integration of contingent workers with SAP HCM



3 integration options for SAP Fieldglass with SAP backend systems

SAP S/4HANA® On-prem

SAP Business Suite® / ERP

SAP Fieldglass Integration Add-on

- for SAP ERP 6.0 EhP6+
- for SAP S/4HANA On-prem, if following scenarios are required:
 - plant maintenance integration with SAP PM or PS
 - integration of SAP contracts with Master SoWs
 - worker integration (SAP HCM)
 - complex services (MM-SRV)
- extensibility for custom fields/data
- supports multi-backend scenarios (e.g. pre-fixing of master data)
- deployment services included

SAP S/4HANA®

SAP S/4HANA Core integration

- built-in to S/4HANA Cloud + On-prem (capabilities depend on release)
- master data integration
- supports purchase requisition, purchase order, service entry sheet and invoice integration
- supports 'Lean Services' Integration
- does not support complex services

SAP Ariba + CIG/MDS

Indirect integration via SAP Ariba

- indirect integration through SAP Ariba CIG and MDS
- master data integration, from SAP Ariba Buying
- purchase order and invoice download to SAP ERP or SAP S/4HANA
- SAP Ariba Contracts can be integrated with Master SoWs
- vendor requires SAP Ariba account
- does not support Service Entry Sheet integration
- does not support complex services

Why should you integrate SAP Fieldglass with SAP backend systems?

Benefits of SAP Fieldglass, when running as fully integrated solution:

- Fully automates the invoice creation and payment process in your SAP backend system
- Provision of all required SAP master data in SAP Fieldglass simplifies operation and significantly reduces the manual effort required to create and check data
- Over 60 interfaces enable extensive integration into existing purchasing and invoicing processes within your SAP systems
- The integration Add-on provides a secure and proven technical architecture with minimal implementation and operational effort, reducing your project risk



**Best user experience
& reduced manual
data entry efforts**



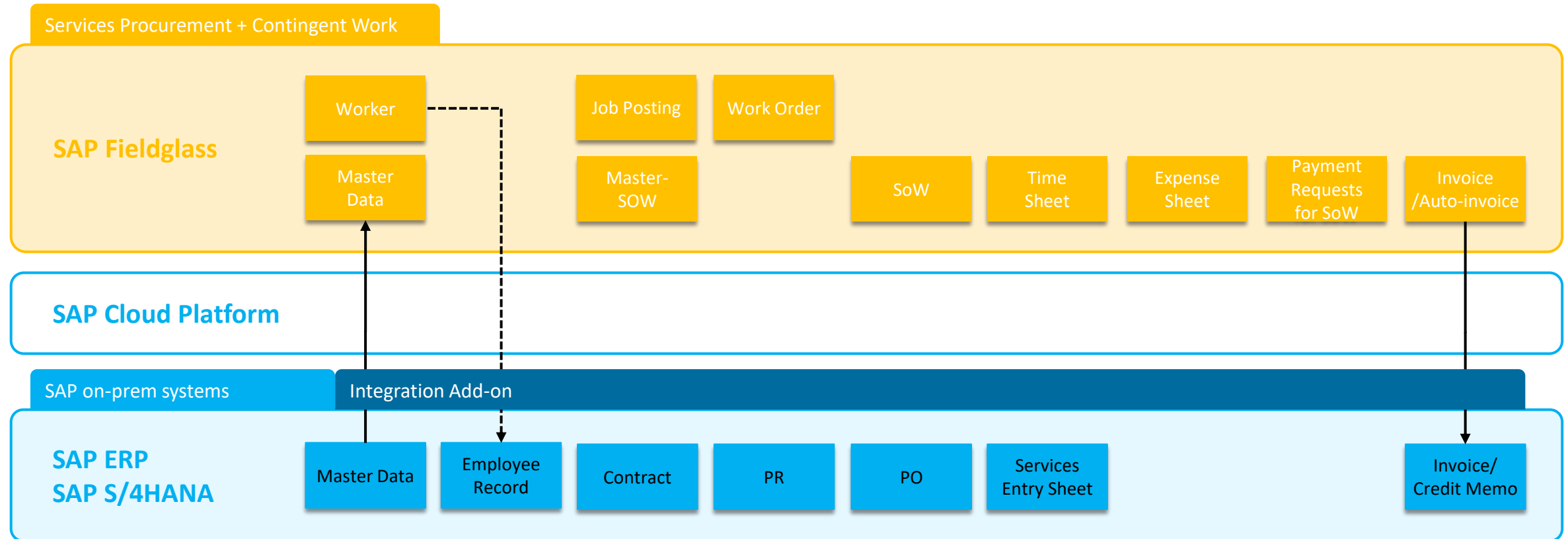
**Compliance with
your SAP processes
(POs/Invoices/Payments)**



**Low efforts
&
low project risk**

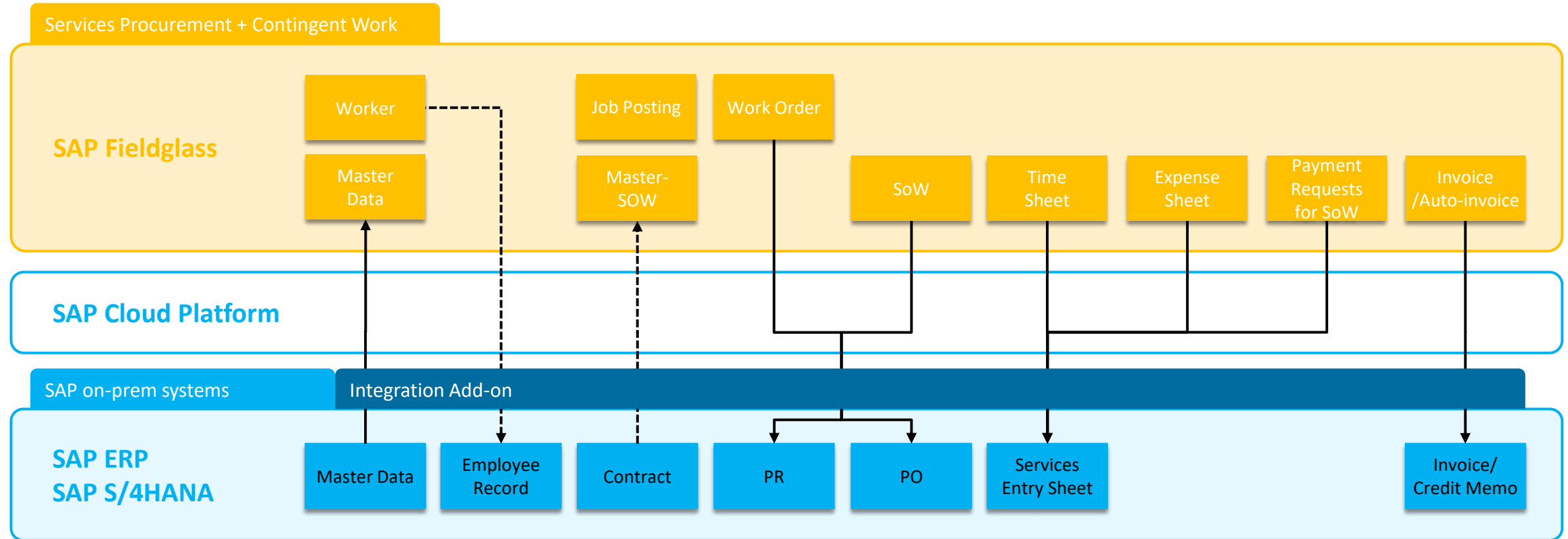
Integration **scenarios**

Invoice integration scenario



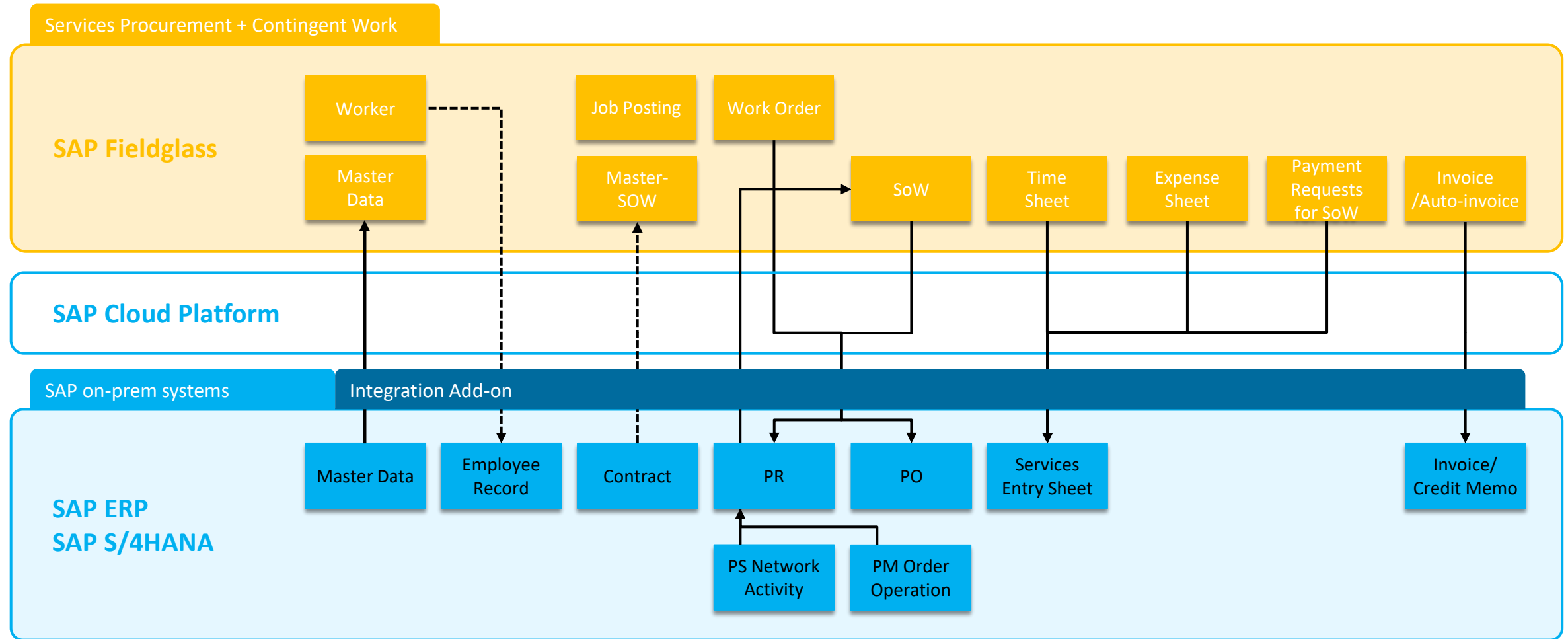
Picture does not show revision and status update processes
Dotted lines = optional integration scenarios

Procurement integration scenario



Picture does not show revision and status update processes
Dotted lines = optional integration scenarios

Plant Maintenance integration scenario



Picture does not show revision and status update processes
Dotted lines = optional integration scenarios

Scope options for master data

Master data object	SAP integration point
Business units	3 options: <ul style="list-style-type: none"> • SAP HCM organisational units • SAP purchasing organisations • SAP company codes
Legal entities	SAP company codes <ul style="list-style-type: none"> • Code and company description
Locations	2 options: <ul style="list-style-type: none"> • SAP storage location • HSE work area
Sites	SAP plants <ul style="list-style-type: none"> • Code and company description
Users and roles	SAP user IDs and role mapping
Suppliers	SAP suppliers (which were classified for transfer to SAP Fieldglass)

Master data object	SAP integration point
Cost objects	SAP accounting objects (code + description): <ul style="list-style-type: none"> • Cost centers • Internal orders • WBS elements • PM orders (as accounting object) • Network elements (as accounting object)
GL accounts	SAP G/L accounts <ul style="list-style-type: none"> • Code and account description
Task codes	Assignment of company codes to GL account codes
Workers (optional)	Creation of SAP HCM employee master record and position

Scope and options for **Procurement** integration (1)

Features for Workorders + SoWs:

- WOs and SoWs create SAP PRs
- optionally: create PO directly
- optionally: trigger approval process in SAP

Features regarding SAP item types:

- SAP item type 'D' (services) is required
- limit amounts can be used
- service lines can be used

Features for WO+ SoW revisions:

- create a PR with deltas only
- optionally: direct PO update
- optionally: update original PR

Scope and options for **Procurement** integration (2)

Features for SES creation:

- 1 line in FG timesheet results in 1 line in SAP SES
(‘Multiline SES’)
- for contingent work timesheets, the FG timesheet is summed up to 1 line item in SAP SES (per default)

Features for SES revisions:

- timesheets + payment requests for SoW: old SES are revoked/deleted and created newly
- if a revision means reduction of amounts/values in SAP invoice, a subsequent credit document is created to adjust the initial SAP invoice.
- if a revision means increase of amounts/values in SAP invoice, an additional SAP invoice is created
- expense sheets do not support revisions currently (instead, the FG invoice is changed and transferred to SAP)

Additional scope and options for **Plant Maintenance** integration

Features for SAP Plant Maintenance (PM) Orders:

- relevant PM orders for SAP Fieldglass integration can be configured
- PM order operations create a PR
 - one PR line item results in one FG SoW
 - PM orders integrate to SoW only, not to workorders
- revisions can be performed through new PM order operations (with a reference to the initial operation)
- FG vendor id is required in SAP supplier master record

Features for SAP Project System (PS) Networks:

- relevant PS network activities for SAP Fieldglass integration can be configured
- PS network activities create a PR
 - one PR line item results in one FG SoW
 - PS network activities integrate to SoW only, not to workorders
- revisions can be performed through new PS network activities (with a reference to the initial operation)
- FG vendor id is required in SAP supplier master record

Innovations of the Integration Add-on

Real-time integration speeds up your procurement process!



The integration architecture is based on **Enterprise Messaging** and allows for **real-time integration**.

The Enterprise Messaging service on SAP Cloud Platform event-enables the data flow. Currently, real-time communication is supported for the following processes:

- approval of SAP Purchase Requisition / Purchase Order → Approval of FG Workorder or SoW
- rejection of SAP Purchase Requisition / Purchase Order → Rejection of FG Workorder or SoW
- rejection of FG Workorder or SoW, if Purchase Requisition could not be created (e.g. due to blocked vendor)
- invoice posting (status update to FG)

Add-on product strategy:

- real-time master data integration (accounting objects) is planned for October 2020 release (subject to change, see 'Disclaimer')

Easily on-board existing suppliers, with 'Auto-invite'



Easily **on-board your existing suppliers** by e-mail invitation:
existing vendor data is uploaded and completed through supplier

- the Add-on can upload all SAP suppliers classified/marked as relevant for SAP Fieldglass processes
- vendor master in SAP Fieldglass with reference to the SAP supplier ID is created automatically
- if auto-invite option was selected, an invitation email is sent to the first supplier contact person
- supplier clicks link in e-mail and registers with SAP Fieldglass
- master record is created in SAP Fieldglass, with reference to SAP supplier ID
- supported data:
 - SAP supplier ID
 - supplier name
 - primary street address of supplier
 - first and last name + email address of primary contact person

Admin Configuration / [Supplier List](#) / Supplier / Details

Supplier

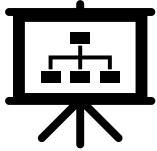
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[Edit](#) [Inactivate](#)

Details

Name	Asapio Gmbh & Co. KG
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Average Score	
Address 1	Agnes-Pockels-Bogen 1
City	Manchester Container Terminal
State/Province	
Country/Region	GBR
ZIP/Postal Code	80992
Supplier Company Contact Person	Churkin, Alexander(kevin.brown01@sap.com)

Built-in integration with SAP HCM



Integrate **Workers** from SAP Fieldglass Contingent Workforce Management with **SAP HCM** system/module

- supports separate SAP HCM systems + HCM modules running within SAP ERP or SAP S/4HANA
- the integration is triggered by the following actions in SAP Fieldglass for an employee:
 - Hire
 - Change
 - Terminate
 - Re-hire
- the employee data record is transferred to the SAP system
- required positions and jobs are created/updated/deleted in the organizational structure
- attributes of the worker are stored in the corresponding SAP HCM 'infotypes'
- one SAP employee is created/updated/deleted per employee
- the created SAP personnel number is reported back to SAP Fieldglass

Deployment services and installation info

Deployment Services for the SAP Fieldglass Integration Add-on

Deployment Services

- SAP supports you in connecting the Add-on, presentation of the "Recommended Solution" settings, available options and implementation support
- part of SAP Fieldglass solution deployment
- up to 4 weeks support (remote), within the 26 weeks deployment services timeline
- deployment services are included in the SAP Fieldglass license subscription ('Contingent Workforce Management, ERP Edition' or 'Services Procurement, ERP Edition')

Phase	Prepare	Explore	Realize	Deploy	Run
Deployment Services for Contingent Workforce Management or Services Procurement	3 weeks	8 weeks	5 weeks	4 weeks	6 weeks
Deployment Services for Integration Add-on 1.0			4 weeks		



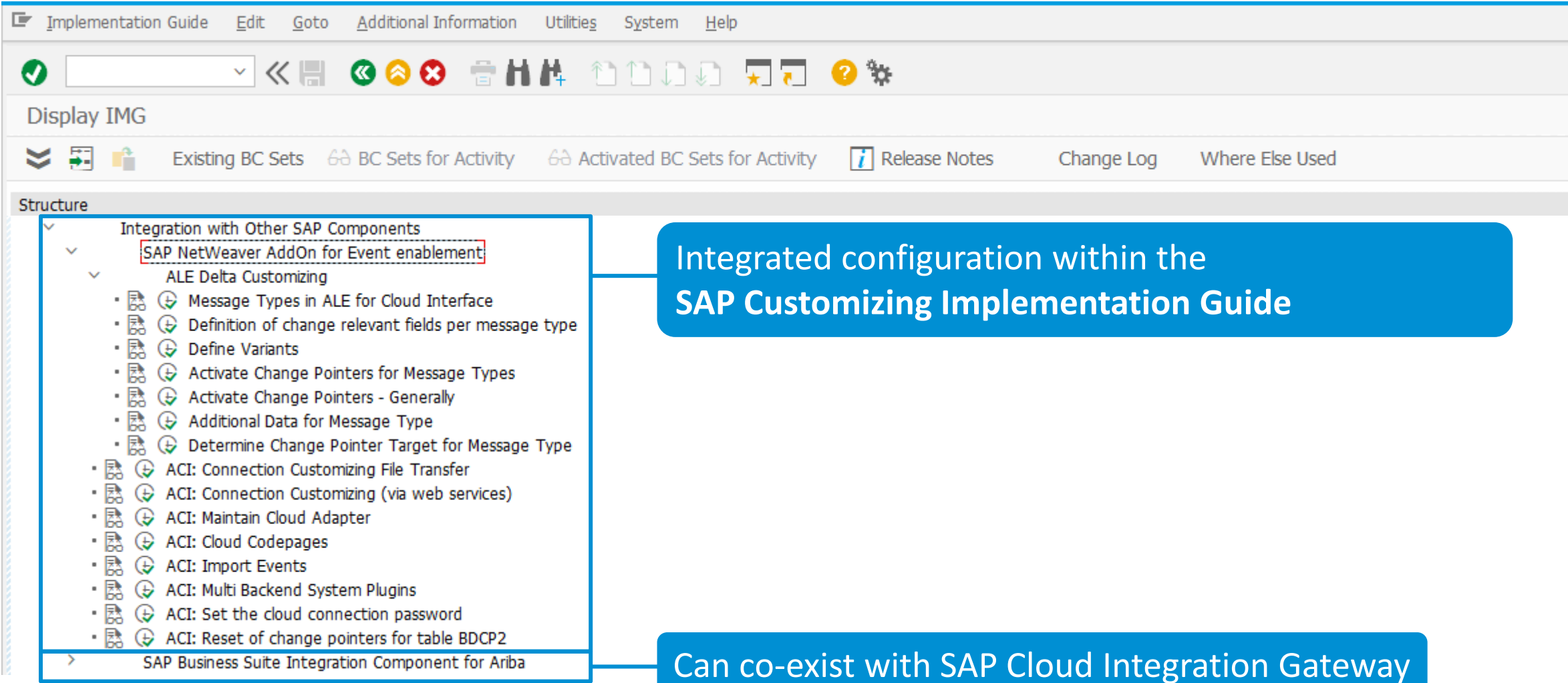
We also offer additional consulting services for SAP Fieldglass and integration, which can be booked upon request. Please contact us for further information.

Technical info for the SAP Fieldglass Integration Add-on

- The add-on is installed and operated within the supported SAP NetWeaver systems
- No separate server required
- Enables real-time integration (for selected processes)
- Uses SAP Cloud Platform Integration Suite (CPI)
- Standard 'Integration Flows' are available for CPI
- Modern and scalable architecture using SAP Cloud Platform Enterprise Messaging
- Very low performance impact
- Secure application integration based on proven SAP NetWeaver technologies
- Integrated configuration layer (SAP Implementation Guide) and monitoring app
- Including Deployment Services to support the implementation
- Current system requirements (for SAP ERP; or SAP S/4HANA 1809+)

SAP Component	Release	SP	Package	Description
SAP_BASIS	731	0002	SAPKB73102	SAP Basis Component
SAP_ABA	731	0002	SAPKA73102	Cross-Application Component
SAP_APPL	606	-	-	SAP ECC 6.0 EhP 6, Business Function LOG_MM_CI_2

The Add-on is configured and operated completely within your SAP system



The screenshot displays the SAP Implementation Guide interface. The main content area shows a tree structure under 'Integration with Other SAP Components'. The 'SAP NetWeaver AddOn for Event enablement' node is highlighted with a red dashed box. Below it, the 'ALE Delta Customizing' node is expanded, showing a list of configuration tasks. A blue callout box points to the highlighted node, and another blue callout box points to the 'SAP Business Suite Integration Component for Ariba' node below it.

Implementation Guide Edit Goto Additional Information Utilities System Help

Display IMG

Existing BC Sets BC Sets for Activity Activated BC Sets for Activity Release Notes Change Log Where Else Used

Structure

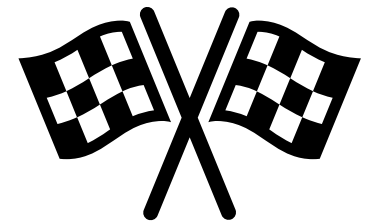
- Integration with Other SAP Components
 - SAP NetWeaver AddOn for Event enablement**
 - ALE Delta Customizing
 - Message Types in ALE for Cloud Interface
 - Definition of change relevant fields per message type
 - Define Variants
 - Activate Change Pointers for Message Types
 - Activate Change Pointers - Generally
 - Additional Data for Message Type
 - Determine Change Pointer Target for Message Type
 - ACI: Connection Customizing File Transfer
 - ACI: Connection Customizing (via web services)
 - ACI: Maintain Cloud Adapter
 - ACI: Cloud Codepages
 - ACI: Import Events
 - ACI: Multi Backend System Plugins
 - ACI: Set the cloud connection password
 - ACI: Reset of change pointers for table BDCP2
 - SAP Business Suite Integration Component for Ariba

Integrated configuration within the SAP Customizing Implementation Guide

Can co-exist with SAP Cloud Integration Gateway

Further Information

- ✓ SAP Help documentation: <https://help.sap.com/viewer/e745d2cc4d114bbf92d2eea49eda9af4/1.0/en-US>
- ✓ SAP Release Notes: [SAP Note 2927040](#), [SAP Note 2927114](#)
- ✓ The software can be found on SAP Support Portal (search for 'ASANWEE' and 'ASAFGEE') at <https://launchpad.support.sap.com/#/softwarecenter>
- ✓ ASAPIO info page: <https://www.asapio.com/fieldglass>



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ASAPIO | Your SAP® Partner for Cloud Integration and Procurement Solutions

We specialize in integration of cloud systems, SAP procurement solutions and technologies.

Founded in 2003 and owned by three former SAP employees, we are today an SAP silver partner with a growing team of SAP application and technology experts. We operate world-wide, with head office in Munich/Germany, various offices across Germany and an own nearshore center.



Cloud Integration

ASAPIO's technology connects SAP systems with cloud applications, event messaging solutions and third-party apps/platforms



Procurement Solutions

Consulting Services for
SAP S/4HANA®
SAP Ariba®
SAP Fieldglass®
SAP Business Suite®/ERP/PLM



Technology

Developments with
Workflow Technologies
ABAP®
SAP Fiori®
SAP Cloud Platform®



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