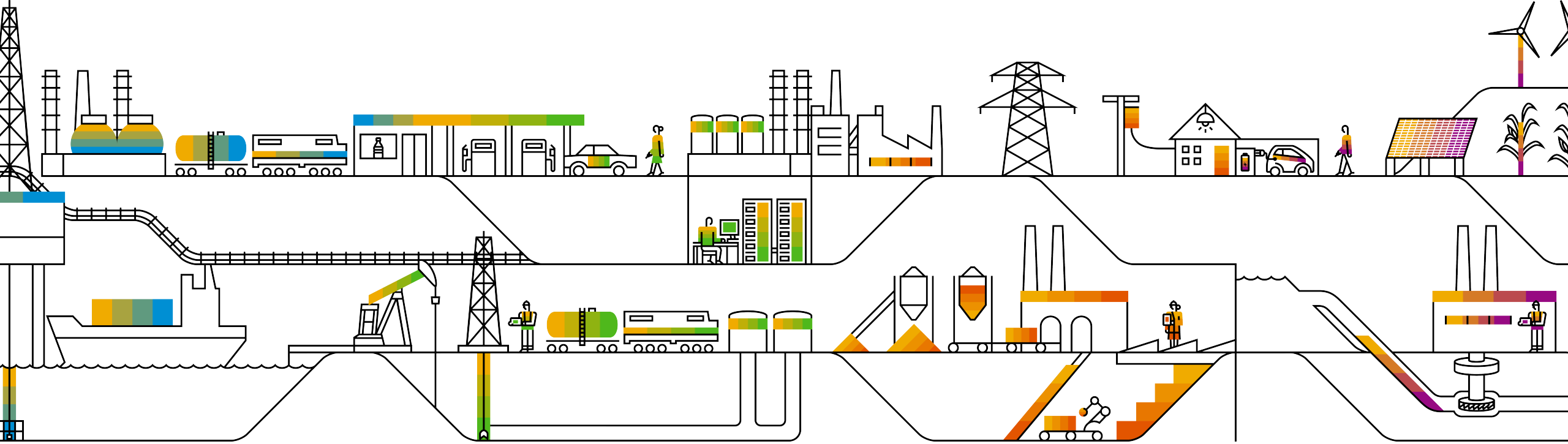




SAP S/4HANA Cloud for upstream oil and gas

Overview Field Logistics

February 2020

PUBLIC

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SAP S/4HANA Cloud for upstream oil and gas

Road Map

Labs Preview

Delivered Release (2019)

Administrative Entities

JVA/Finance : JVA (International Scope), Universal Journal Adaptation/Enhancements to core Finance processes to support JVA

Procurement : Core processes for procuring direct/indirect materials and lean services, Integration with Plant Maintenance, Digital Field Ticketing

Asset Management: Basic maintenance management execution, resource scheduling

Field Logistics :Foundation supply processing and returns, supply processing of own goods

Foundation Master Data : Modeling of Well/Well Completion and Surface/Subsurface Equipment in Asset Central

Product Direction 1 (2020)

Independent Operating Entities

JVA/Finance : JVA (North America Scope), Additional innovation in Finance; Unit of Production

Asset Management: asset strategy and performance, proactive maintenance, operational work order, overhead work order, resource scheduling, permit to work (light), mobility, analytics, integration to procurement/logistics/financials/hr

Procurement : Architecture definition of core procurement processes to support complex service procurement integrating S/4HANA Cloud, ARIBA and Fieldglass solutions; adoption of hierarchies for purchasing documents, contract limits for services

Field Logistics : Support of further supply processes, support of further returns scenarios foundation for rentals processing

Hydrocarbon Revenue Management :
NA Hydrocarbon Accounting Extended Edition integration to S/4HANA Cloud

Product Direction 2 (2021)

Independent Operating Entities

JVA/Finance : APIs to support integration with 3rd party Land/Lease, Additional JVA Fiori Apps/Reports; Asset Retirement Obligations; additional innovation in Finance

Procurement : Complex services procurement, Additional innovation items and round-off items

Field Logistics Additional returns scenarios, investment recovery, Physical inventory, rental monitoring, transportation scenarios

Hydrocarbon Revenue Management:
Global Hydrocarbon Accounting : Cost Bank and Core Processing engine, APIs for reporting and taxation

Product Vision (2022+)

Corporate

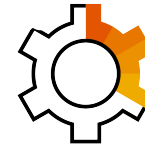
JVA/Finance : Innovations in Finance

Additional innovations and round-off items

Field Logistics Planning & Execution SAP S/4HANA Cloud 2002: Overview **capabilities and features**

Organizational setup and configuration

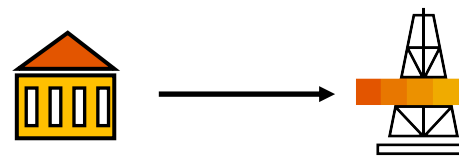
- Guide through steps required to set up and configure Field Logistics processes



- create demand and supplying plants
- assign enterprise structure objects
- maintain master data
- maintain supply processes for plants

Supply processing

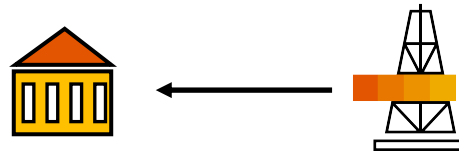
- Support supplying products needed for maintenance operations from a supplying base to a remote location



- supply processing for own goods
- best practice e2e processes
- integration to core applications
- support of process automation

Returns processing

- Support the initiation of the return process of products from the remote location back to the supplying base



- returns processing for own stocked products
- simple, easy to use user interface to initiate returns
- integration to core applications
- support of process automation

Field Logistics Planning & Execution SAP S/4HANA Cloud 2002: Organizational set up and configuration



Supports the **setup of organizational structures** from plant to the storage bin (including warehouse) for **demand plants and supplying plants** in Field Logistics

- Create demand plants and supplying plants and make them Field Logistics specific
- assign sales organizations, shipping points and goods receiving points
- maintain business partners and product masters
- create work center, purchasing info record & source list
- maintain supply process determination by plant
- configure message monitoring interface

Field Logistics: Default Supplying Plants

De...	Demand Plant Description	Default Supplying Plant
☐ FLRP	FL Remote Plant (Do not use)	FLBP

Field Logistics: Supply process determination by plant

	Plant	Demand MRP T...	Supply MRP Type	Supply Process
☐	FLRP	ND	ND	SP14
☐	FLRP	ND	PD	SP12
☐	FLRP	PD	ND	SP13

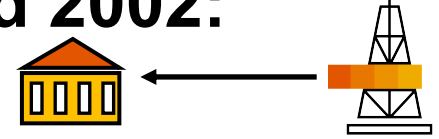
Field Logistics Planning & Execution SAP S/4HANA Cloud 2002:

Supply processing



- Supports the business process of supplying products needed for maintenance operations from a supplying base to a remote location for the following **scenarios**:
 - Stock located at Remote & Base (SP11)
 - Stocked located at Base only (SP12)
 - Stock located at Remote only (SP13)
 - Direct Purchase (SP14)
- The **e2e scenarios integrate** with Plant Maintenance, Materials Management, Procurement, Logistics and Warehouse Management (for details see [process flows](#))
- Field Logistics leverages **standard processes** in above areas and provides **enhancements** tailored to the needs of the industry

Field Logistics Planning & Execution SAP S/4HANA Cloud 2002: Returns processing



Supports the initiation of the return process for stocked products from the remote location back to the supplying base

- **Key user requirements** addressed by returns processing:
 - End-to-end process visibility including follow-on processing
 - System support to identify items, trace their history and process returns
 - Simple user interface with least manual inputs and maximum automation
- **The Returns Initiation – Product View App** allows a Material coordinator at the remote platform to identify items and process the returns

Field Logistics Returns Initiation

Lab Preview

Scheduled: 2
Requested: 29
Ready for Dispatch: 0

Standard * v

Plant: FLRP Product: Recommended Action: Return Status:

Actual Dispatch Date: dd.MM.yyyy - dd.MM.yyyy Requested Shipping Date: dd.MM.yyyy - dd.MM.yyyy Supply Process:

Adapt Filters (1) Go

Product	Ref. Doc. No.	Ref. Doc. Type	Stock/Ret. Quantity in Base Unit	Ret. Quantity in Order Unit	Recommended Action Desc.	Ret. Status Desc.
FLOG-SP14			8,000 EA	0,000		At Remote
FLOG-SP14	4500001960	STO Document	1,000 EA	1,000 EA	Return to Vendor	Received at Base

FLOG-SP14

Product Details Reservation Details **Return Document Flow**

Stock Transfer Order Outbound Delivery Goods Issue Inbound Delivery

Stock Transfer Order 4500001960 [Completed] → Outbound Delivery 80009552 [Completed] → Goods Issue 4900011381 [Completed] → Inbound Delivery 180000271 [Completed]

Field Logistics Planning & Execution :

Overview **planned capabilities and features**



- Support of more supply scenarios such as rentals, vendor stored material
- Further process automation
- Enhancements to further tailor e2e processes such as holding & kitting, retaining references
- Additional integration scenarios such as physical inventory, quality management



- Support of further returns scenarios such as returns to vendor, repair, investment recovery
- Further app support:
 - to help users to identify items requested for and issued to a work order and process returns of any unused items
 - to process receipt of items at base and initiate follow-on steps

Field Logistics **Resources**

SAP Best Practice Content Explorer scope for Field Logistics*

[Scope item 40G – Field Logistics Planning & Execution](#)

[Set up Guide](#)

[Test Script](#)

[Process Flow](#)

Online Help

[Field Logistics documentation](#)

*requires access to SAP Best Practice Content Explorer