Industry xApp
Physical Movement (xPHM)

Product overview
iCOD PHM

Business process
Movement scenarios
Prototype screens
Automate Your Business Processes

Today’s process
Manual posting of document chain

- Sales call-off
- Delivery
- Goods issue

Equally complex manual postings for reversals and corrections

With SAP xApp composite application
Single data entry and automatic document posting in background

- Flexible modeling of process chain (also for reversals and corrections)
- Additional user interaction only in case of error
Capturing of Physical Goods Movement

Automated posting of document flows for goods movements

Functional Scope

- Easy data capturing
- Flexible definition of processing steps via guided procedures
- Error handling via processing steps

Value to Customers

- Automatic background processing of the relevant SAP documents.
- Ease of use, true representation of business process.
- Reduced number of erroneous bookings
Physical Goods Movement - Details

Customer picks up material

Enter movement data

• Enter details on a physical movement (time, quantity)
• Identifies reference Document for movement information
• Initiate document processing
• Check update process
• In case of error, solve issue and restart processing

Create Order
Create Sales Order in Backend

Create Delivery
Create Delivery in Backend

Post Goods Movement
Post Goods Movement in Backend

Create Invoice
Create Invoice in Backend

SAP NetWeaver

ESR

Create SO
Create Outbound Delivery

Create PO
Create Goods Issue

Create Goods Receipt
Change/Delete SO item

mySAP ERP
(SD, MM, IS-Oil)

Create Outbound Delivery
Change/Delete Outbound Delivery

Change/Delete SO item
Reverse Goods Issue/Receipt
Highlights

- Flexibility: Modeling of new movement scenarios by an administrator, incl. follow-up document service calls and custom specific & movement scenario specific logic ("User-exits")
- Automation: Automatic processing of the follow-up document chain, according to the above configuration
- User friendly UI: Easy access by the accountant or operator through a portal screen
- Reduce errors: Easy correction & reversal processing
- Easy error handling, workflow: Possibility to forward errors to experts via the workflow logic (Unified worklist)
- Defaulting of movement scenario from reference document
Business examples

- Pipeline movements into customer’s tanks
- Terminal Automation System (TAS): Load onto trucks
- Trading execution (Purchase vs. Sale)
- ...

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Business process
Movement scenarios
Prototype screens
Example

1. Reference document type: Sales contract
   Scenario: “Actualization”
   Configuration: Without TD Shipment

<table>
<thead>
<tr>
<th>No.</th>
<th>Document generation</th>
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<tr>
<td>01</td>
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<tr>
<td>02</td>
<td>Create Delivery</td>
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<tr>
<td>03</td>
<td>Create Goods Issue (GI)</td>
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+ Correction
+ Reversal
Further movement scenarios (planned)

- All movement scenarios will include corrections & reversals
- Sales scenario (ref. doc.: Sales Contract)
- Purchase scenario (ref. doc.: Purchase contract)

- Inter-company scenario (Sales + Purchase contract)
- Sales with TD Shipment (ref. doc.: SO) - optional
- Purchase with TD Shipment (ref. doc.: PO) - optional
- ...

Further scenarios are depending on customer buy-in!
List of posted movements

Physical Movement: Display

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<th>Ref Doc Type</th>
<th>Ref Doc Number</th>
<th>Ref Doc Item</th>
<th>Date</th>
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Ref Doc Type: Sales Contract
Ref Doc Number: 40000924
Date: Dec 21, 2006
Time: 05:00:00
Quantity: 100.00
Unit of Measure: KG
Business Partner: TD P TEST CUST DE
Material: MAT02-VKI
Valid From: May 01, 2006
Valid To: Dec 31, 2006
Thank you!