

# Custom Extensions for EBR

XStep Café  
June 03, 2015

Material UD\_EBR\_FERT  
Version 0000  
Plant 0001 Werk 0001 Name 1  
System Status Batch record approved  
Approve Archive

Public

- Current Version 0000
  - Archived Documents
  - SAP Objects
    - Process Orders
      - 000777778837 ( UD8P ) UD EBF
    - Customer Objects
      - ERP Outbound Deliveries
        - Delivery 0081003675
      - ERP Quality Messages
        - Quality Notification 000200003480
    - Approvals
  - Batch UDPP\_2703A
    - Current Version 0000
      - Archived Documents
      - SAP Objects
        - Production Orders
          - 000001008602 ( PPBP )
            - Work Instructions
              - CATT-ANLEGENFAHRERG
              - Material List
          - Approvals
            - Dittes Uwe 27.03.2015 13:22:56

EBR Demo: Quality Not:  
Batch: UDPI\_2703A  
Material:UD\_EBR\_FERT  
Plant: 0001

Message Number	Cr
200003480	RU
Message Text: Problem	

# XStep Café (2015-06-03) - Agenda

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## Electronic Batch Record (EBR) – Custom Extension

- Pain Points & General Remarks
- Adding Custom Content
- EBR Functions for Production Orders
- Better Support of External Inspection Lots

## XStep Repository

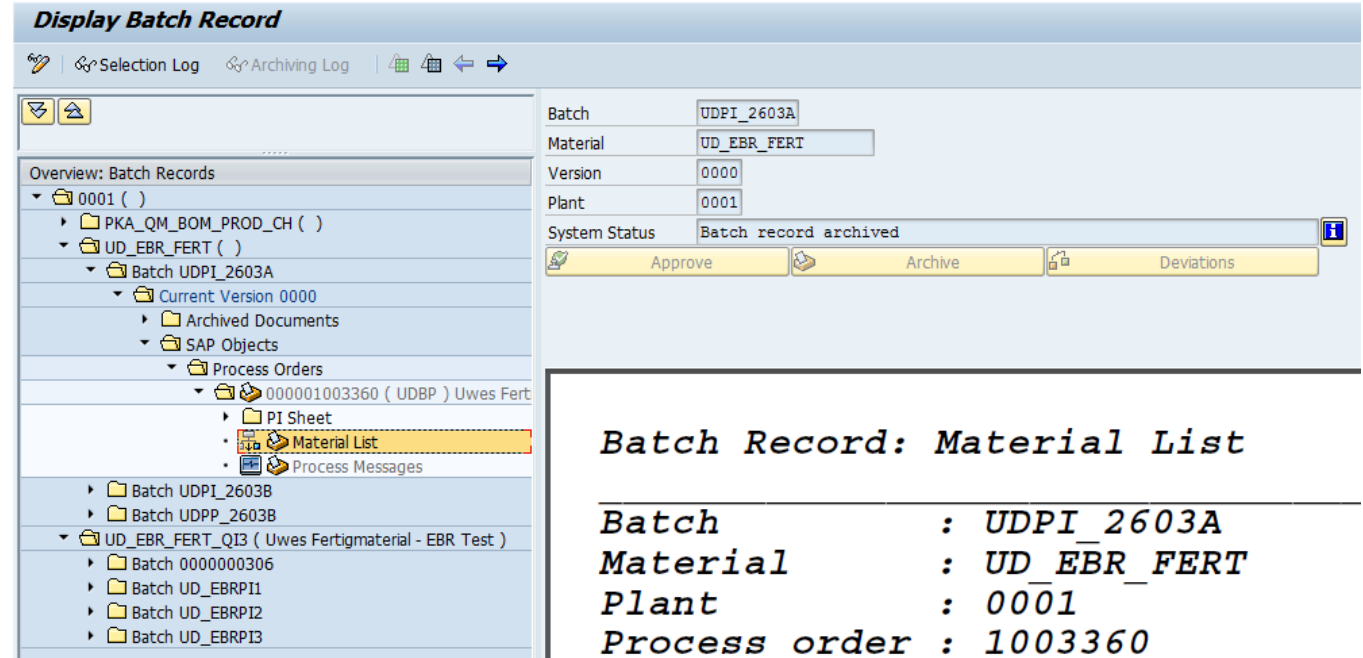
- XML upload of SXS Folder Data (Repository Node)
- Improved Drag and Drop Behavior (Navigation Tree)

# Electronic batch Record (EBR) – Custom Extension

## Pain Points

### Electronic Batch Record (TA COEBR):

- Additional application data related to the batch
  - No display of the application data
  - No navigation into the application data
- Batches of production orders
  - No support by SAP standard
- External inspection lots



**Display Batch Record**

Selection Log | Archiving Log | [Icons]

Batch: UDPI\_2603A  
Material: UD\_EBR\_FERT  
Version: 0000  
Plant: 0001  
System Status: Batch record archived

Approve | Archive | Deviations

**Batch Record: Material List**

Batch	: UDPI_2603A
Material	: UD_EBR_FERT
Plant	: 0001
Process order	: 1003360

# Electronic batch Record (EBR) – Custom Extension

## General Remarks

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Improvements shipped with [SAP note 1993446](#):

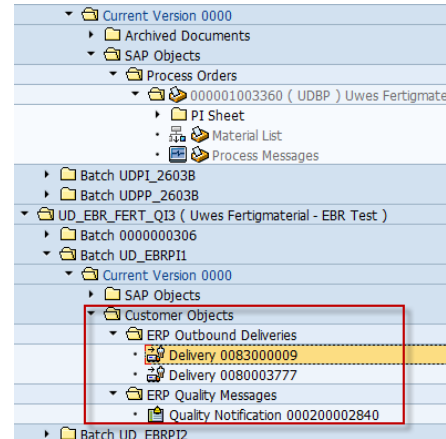
- SAP note contains three BAdIs and example implementations
- **No change** of SAP standard behavior after implementing the SAP note
  - Activation of the EBR enhancements requires own BAdI implementations
    - Follow the instructions given in the SAP note
- **Additional customer-specific adjustments are necessary**
  - SAPScript print forms and corresponding print reports
    - PPPI\_EBR\_CONTENT
    - PPPI\_EBR\_VERSION
    - ....
  - Etc.

# Electronic batch Record (EBR) – Custom Extension

## Adding Custom Content

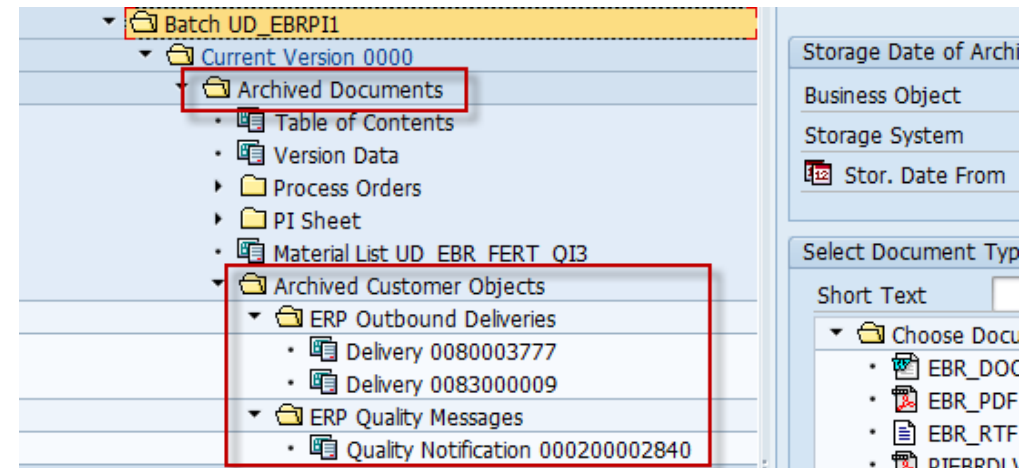
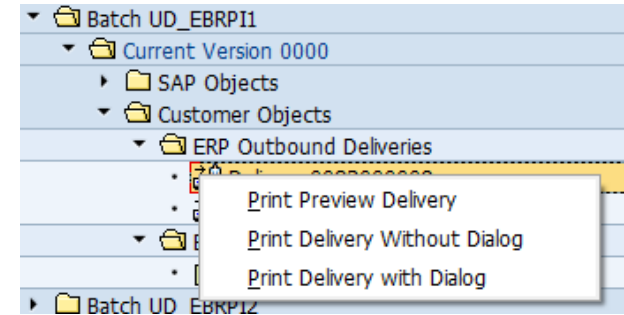
BAdI: BADI\_VBP\_CUST\_EXT:

- Implement functionality for custom content
  - Data selection
  - Appearance in navigation tree
  - Context menu functions
    - Print preview
    - Navigation to application data
  - Archiving
    - Creation of PDF
    - Status handling



EBR Demo:  
Batch: UD  
Material: T  
Plant: 000

Delivery 1  
83000009  
Order Item



Log created on 02.06.2015

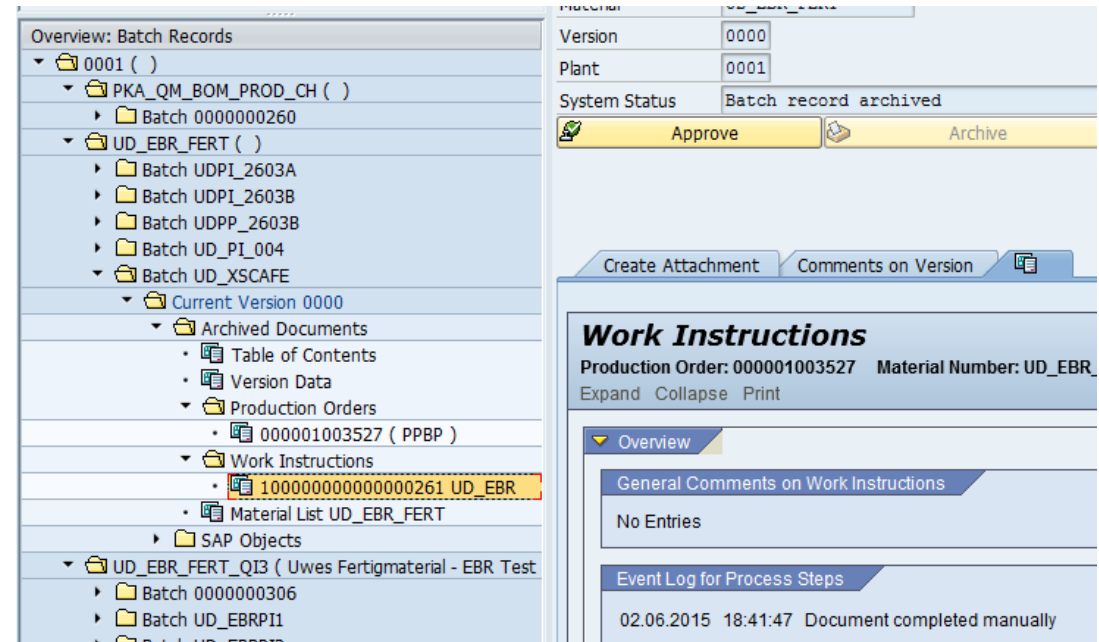
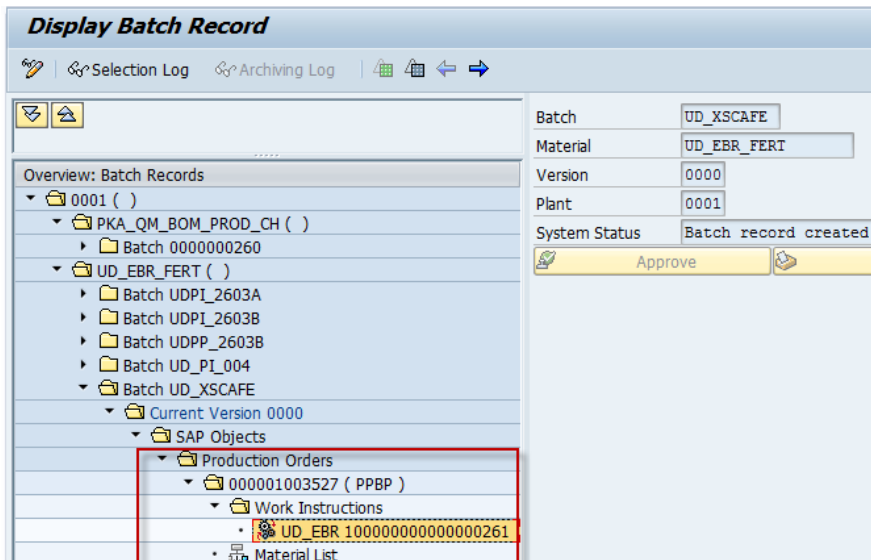
Exec...	M	AppAr	Ms...	Material	Batch	Plant	Message Text
000	I	EBR	500	UD_EBR_FERT_QI3	UD_EBRP11	0001	Starting archiving of batch record UD_EBRP11 UD_EBR_FERT_QI3 0001, version 0000
000	I	CPOC	282	UD_EBR_FERT_QI3	UD_EBRP11	0001	PI sheet 1000000000000000201 was marked for archiving
000	I	EBR	506	UD_EBR_FERT_QI3	UD_EBRP11	0001	Archiving "process order" document for process order 000001003180
000	I	EBR	507	UD_EBR_FERT_QI3	UD_EBRP11	0001	Archiving "material list" document for process order 000001003180
000	I	EBR	510	UD_EBR_FERT_QI3	UD_EBRP11	0001	Archiving "PI sheet" document for PI sheet 1000000000000000201
000	I	EBR	563	UD_EBR_FERT_QI3	UD_EBRP11	0001	Archiving of document Quality Notification for Quality Notification 000200002840
000	I	EBR	563	UD_EBR_FERT_QI3	UD_EBRP11	0001	Archiving of document Delivery for Delivery 0083000009
000	I	EBR	563	UD_EBR_FERT_QI3	UD_EBRP11	0001	Archiving of document Delivery for Delivery 0080003777
000	I	EBR	512	UD_EBR_FERT_QI3	UD_EBRP11	0001	Archiving "version data" document for batch record version 0000
000	I	EBR	514	UD_EBR_FERT_QI3	UD_EBRP11	0001	Archiving table of contents for batch record version 0000
000	I	EBR	527	UD_EBR_FERT_QI3	UD_EBRP11	0001	Set next status for SAP objects

# Electronic batch Record (EBR) – Custom Extension









## EBR Functions for Production Orders

### Prerequisite (order type):

- Execute report RVBP\_SETUP\_EBR\_ORD\_EXT
- BAdI: BADI\_VBP\_ORD\_EXT:
- Overwrite CHECK\_EBR\_ORD\_EXT\_ALLOWED
- Adjust SAPScript print forms and print reports



Log created on 02.06.2015

Exce...	M AppAr	Ms...	Material	Batch	Plant	Message Text
	I EBR	500	UD_EBR_FERT	UD_XSCAFE	0001	Starting archiving of batch record UD_XSCAFE UD_EBR_FERT 0001, version 0000
	I EBR	618	UD_EBR_FERT	UD_XSCAFE	0001	Work instruction '1000000000000000261' has been flagged for archiving
	I EBR	608	UD_EBR_FERT	UD_XSCAFE	0001	Production order 000001003527: Archiving of document 'Production Order'
	I EBR	608	UD_EBR_FERT	UD_XSCAFE	0001	Production order 000001003527: Archiving of document 'Material List'
	I EBR	609	UD_EBR_FERT	UD_XSCAFE	0001	Work instruction 1000000000000000261: Archiving of document 'Work Instructions'
	I EBR	512	UD_EBR_FERT	UD_XSCAFE	0001	Archiving "version data" document for batch record version 0000
	I EBR	514	UD_EBR_FERT	UD_XSCAFE	0001	Archiving table of contents for batch record version 0000
	I EBR	527	UD_EBR_FERT	UD_XSCAFE	0001	Set next status for SAP objects



# Electronic batch Record (EBR) – Custom Extension

## Better Support of External Inspection Lots

BAdI: BADI\_VBP\_LOT\_EXT

**Display Batch Record**

Selection Log Archiving Log

Overview: Batch Records

- UWE1 ( EWM Plant UWE1 )
  - UD\_BATCH\_QM\_Q63 ( Uwe's Batch Material with QM )
    - Batch UD\_EWM\_BR1
    - Batch UD\_EWM\_BR2
    - Batch UD\_EWM\_BR3
      - Current Version 0000
        - SAP Objects
          - Process Orders
            - Order-Independent Inspection Lots
              - 1700000000702 ( 17 )

Batch UD\_EWM\_BR3

Material UD\_BATCH\_QM\_Q63 Uwe's Batch Material with QM- hands off!

Version 0000

Plant UWE1 EWM Plant UWE1

System Status Batch record created

Approve Archive Deviations

Batch Record: Order-Indepent. Ins

Batch : UD\_EWM\_BR3

Material : UD\_BATCH\_QM\_Q63

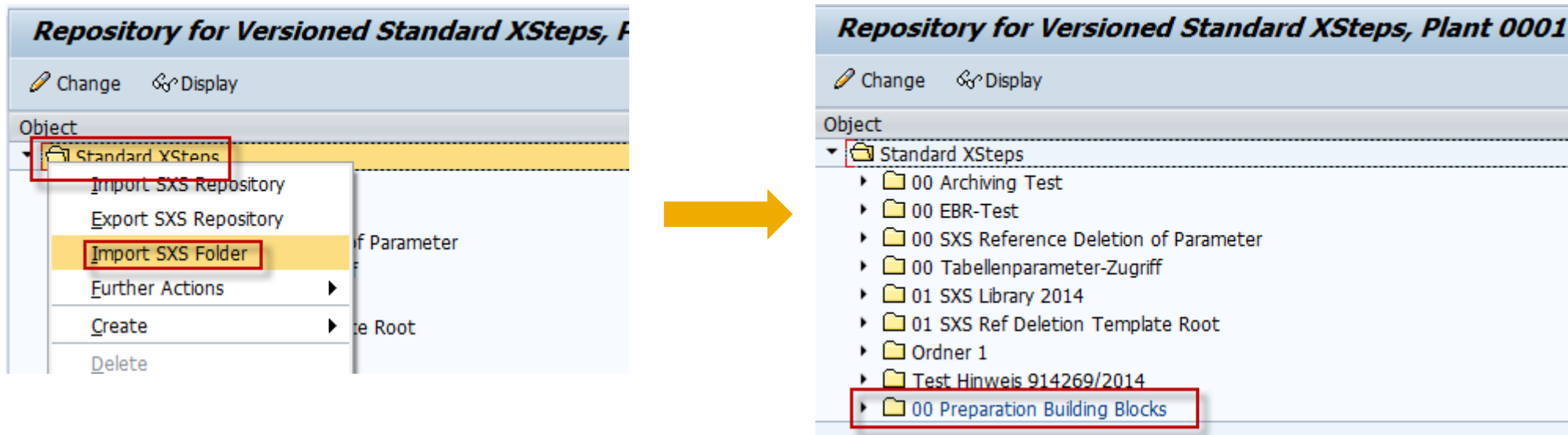
Plant : UWE1

# XStep Repository

## XML upload of SXS Folder Data (Repository Node)

Improvements shipped with [SAP note 2155559](#):

- XS repository node
  - Import of XML files containing data of SXS folders



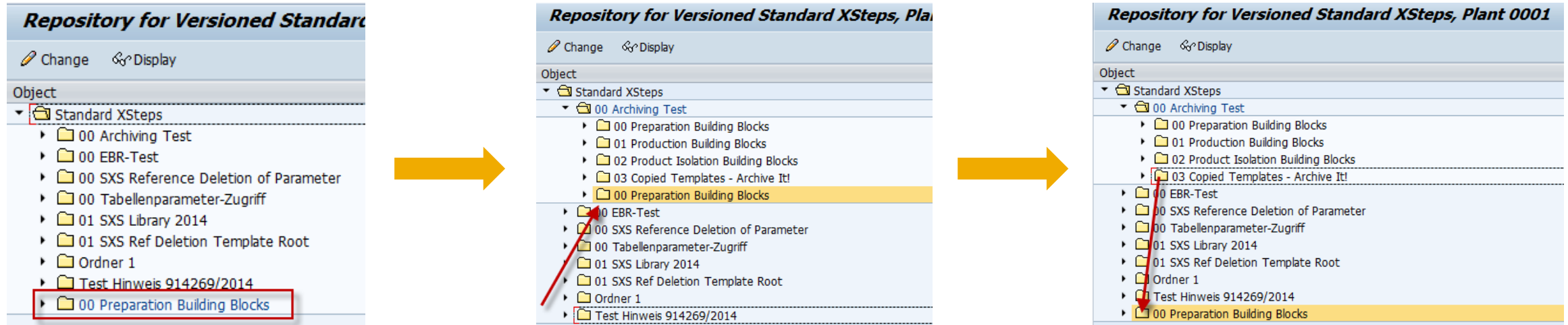


# XStep Repository

## Improved Drag and Drop Behavior (Navigation Tree)

Improvements shipped with [SAP note 2155559](#):

- XS repository - hierarchy
  - Improved drag & drop behavior





# Thank you