Dynamic Assignment of Signature Strategies

XStep Café
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Public

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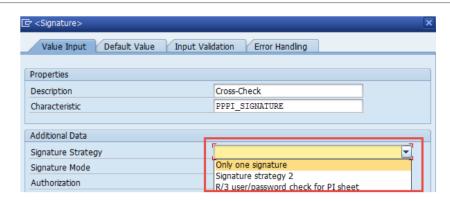Questions and Answers

Dynamic Assignment of Signature Strategies
Motivation

Assignment of Signature Strategy during XStep Maintenance

- Chosen signature strategy must be defined and gets fixed
  - No exchange in PI Sheets/Electronic Work Instructions (EWI)

Consequences

- Duplicate process instruction content
  - If business process requires usage of different signature strategies
    - o Usage of weighing system A: Cross-check (Worker, Shift Lead)
    - o Usage of weighing system B: Cross-check (Worker, QM specialist)
    - o Usage of weighing system C: Cross-check (Worker, QM specialist, Shift Lead)
- Obsolete content in PI Sheets/EWI
  - Impact on performance (loading/processing)
  - Decrease in maintainability

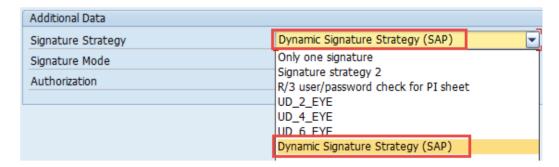# Dynamic Assignment of Signature Strategies
Concept – XStep Maintenance

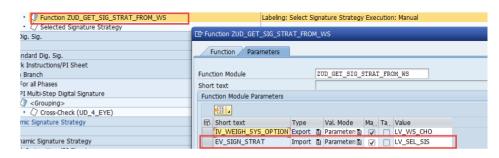## Concept (BAdI):

- **XStep maintenance**
  - Assign a placeholder signature strategy
  - Define XStep parameter
    - Gets valuated with selected signature strategy
    - Uses dedicated characteristic
      (custom characteristic/PPPI_SELECTED_SIGN_STRAT [new])
  - Define dynamic function call that sets selected signature strategy
    - Based on business process conditions

Important:

Signature & dynamic function call belong to same process instruction
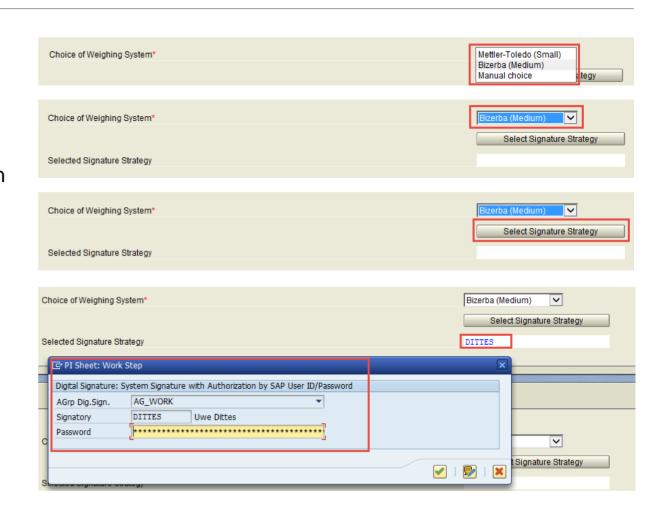XStep parameter belongs to parent XStep of process instruction

Dynamic Assignment of Signature Strategies
Concept – Processing of PI Sheets/EWI

Concept (BAdI):

- **Processing of PI Sheets/EWI**

  – Choose option

  – Trigger dynamic function call
    - Determines signature strategy based on selected option
    - Valuates parameter (selected signature strategy)

  – Start signature process
    - Selected signature strategy is chosen

DEMO

Miscellaneous
Wrong SXS Version Assigned during Manufacturing Order Creation

During order creation **always** the proper SXS versions of SXS reference nodes are exploded

Strange phenomenon:

- Wrong SXS Version Assigned during Manufacturing Order Creation
  – Appeared very, very rarely, hardly to reproduce

- Prerequisite for phenomenon:
  – Manual reset and re-explosion of SXS references in temporary order (order number: %000..01)
  – Not released SXS version exists that overlaps with current released SXS version
    o System **guarantees** that at a given key date only one SXS version exists that is released and approved

- Solution:
  – Remove SXS versions that are not needed anymore
  – Apply SAP note 2296659 - Wrong SXS Version Assigned during Manufacturing Order Creation

Thank you