

December 02, 2015

Public

Repository for Versioned Standard XSteps, Plant 0001	
Object	Description
Standard XSteps	Repository for Versioned Standard XSteps
2015-09-09 XStep Café	Release Status-Prüfung
Temperature Recording (PM -> DB)	Long Text Value Transfer
0001	Process Message
Standard XStep Temperature Recording (PM	Version 0001: Released; Validity Period: 09.09.2015 - 00.00.0000
Work Instructions/PI Sheet	XStep Tree
Table for Entering Temperature Values	Plant , control recipe destination , address
Table	
Temperature Recording	
Resource	
Temperature	
UoM	
Comment	
Date	
Time	
User	
ZUD_TEMP	
Temperature Recording (PM -> FM)	Process Message
0001	Version 0001: Released; Validity Period: 09.09.2015 - 00.00.0000
Standard XStep Temperature Recording (PM	XStep Tree
Work Instructions/PI Sheet	Plant , control recipe destination , address
Table for Entering Temperature Values	
Table	
Temperature Recording	
Resource	
Temperature	
UoM	
Comment	

Improved Process Instruction Maintenance

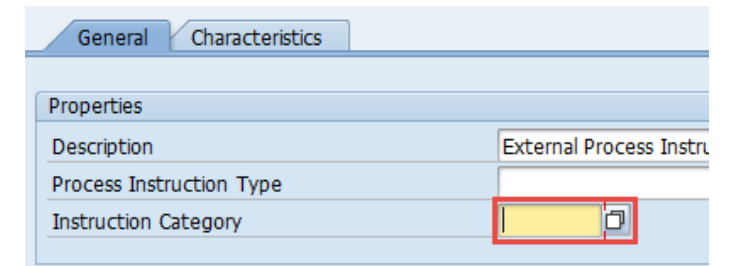
General Remarks

Challenge (XSteps):


- Create content of external control recipes/instructions
 - Limited maintenance of process instructions
 - Existing process instruction categories can't be selected (no F4 help)
 - No transfer of characteristics, no automatic validation

Solution:

- BAdI BADI_CMV_XS_INSTR_MAINT (shipped with SAP note [2246256](#))
 - Create custom implementation of BAdI
 - Reuse methods of fallback class CL_EI_CMV_XS_INSTR_MAINT



The screenshot shows the 'General' tab of the 'Process Instruction Maintenance' dialog box. The 'Properties' section contains the following fields:

Properties	
Description	External Process Instru
Process Instruction Type	
Instruction Category	<input type="text"/> 

The 'Instruction Category' field is highlighted with a red rectangle, indicating the issue where the F4 help is not available for selection.

Improved Process Instruction Maintenance

Features of BAdI BADI_CMV_XS_INSTR_MAINT

Features:

- Select existing process instruction categories via F4 help
 - Automatic transfer of corresponding characteristics (see TA O12C)
- Handle characteristics that require automatic validation
 - Create XStep parameter at parent XStep
 - Assign proper valuation symbol (if existing)
 - Value corresponding characteristic with parameter name

External Process Instruction

General

Properties

Description: External Process Instruction

Process Instruction Type: Process parameter

Instruction Category: [Process parameter]

External Process Instruction

General

Characteristics

Properties

Description: External Process Instruction

Process Instruction Type: Process parameter

Instruction Category: [Process parameter]

Administration Data

Last Changed By: []

Time of Last Change: []

Descript.	Lang.	Instr.Cat.	Type
Activity for phase (PCS example)		AACT_1	1
Material allocations (PCS example)		AMAT_1	1
Order data (PCS example)		AORD_1	1
Parameter for phase (PCS example)		APHAR_1	1
Phases (PCS example)		APHASE_1	1
Predecessor/successor of a phase		APHSQ_1	1
Control instruction with note		INSTIR	1

istics/Process instruction category": Overview

Plant: 0001 Plant 0001

Instructn. cat.: APHAR_1 Parameter for phase (PCS example)

ProcInstr Type: 1 Process parameter

Assigned characteristics

No.	Characteristic	T	A	V	Characteristic Value
10	PPPI_PHASE		<input checked="" type="checkbox"/>		
20	PPPI_PARAMETER_NAME				
30	PPPI_PARAMETER_VALUE				
40	PPPI_PARAMETER_VALUE_MIN				
50	PPPI_PARAMETER_VALUE_MAX				

Maintain Proc. Instr. (PCS)

General Parameters Valuation Destination Context

Name Symbol Evaluation Value

LVA_PHASE Phase [] Automatically []

External Process Instruction

General

Characteristics

Char. V... Value

PPPI_PHASE [] &LVA_PHASE&

PPPI_PARAMETER_NAME []

PPPI_PARAMETER_VALUE []

PPPI_PARAMETER_VALUE_MIN []

PPPI_PARAMETER_VALUE_MAX []

Improved Process Instruction Maintenance

Demo

Remark:

- Problems with maintenance of XStep data may occur
 - XStep editor seems to be “frozen”, does not react on user commands (closing pop-up etc.)
 - Side-effect of SAP note [2148349 - SAP Personas Call transaction variant](#)
 - Correction is provided and under testing



Thank you