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DMS Integration ~ Classic PI-Sheet & Execution Steps (XSteps)

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Configuring DMS Integration - Classic PI-Sheet

- Define Process Instruction Category to accommodate Document Management System
- Function Module - **COPF_DOCUMENT_SHOW_DIRECT**
- Use *PI Assistant* for setting up the Process Instruction Category
- Execute configurable transaction **O12C**


InstrCat	Description	ProcInstr.type
DMS	Pharma Document Management System	

T	Description
0	Universal process instruction category
1	Process parameter
2	Process data request
3	Process message subscription
4	Process data calculation formula
5	Inspection results request
6	Dynamic function call
7	Sequence definition

- Select relevant Instruction Category & click PI assistant

InstrCat	Description	ProcInstr.type
DMS	Pharma Document Management System	6

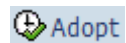
PI assistant

Proc.instr. category	DMS	Pharma Document Management System
PI Type	6	Dynamic function call
Function Module	COPF_DOCUMENT_SHOW_DIRECT	 Func. Mod.
Button text	Pharma Process Document	
<input checked="" type="checkbox"/> Allow function call in display mode		

Hit 'Enter' set import parameter values as per requirement

Import paramet. Changing paramet. Export paramet.						
Import paramete	Optional	Type	No value	Charact.	Variable	FixVal
DOCUMENT	<input type="checkbox"/>	S	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
DOCUMENT_PART	<input type="checkbox"/>	S	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
DOCUMENT_TYPE	<input type="checkbox"/>	S	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
DOCUMENT_VERSION	<input type="checkbox"/>	S	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Adopt the changes made to settings for the relevant Process Instruction Category by clicking *Adopt* or **(F8)**



Review the characteristics assigned to the Process Instruction Category

Characteristics/Process instruction category

- Characteristics assigned to the Process Instruction Category via *Adopt*

No.	Characteristic	T	A	V	Characteristic Value
10	PPPI_FUNCTION_NAME	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	COPF_DOCUMENT_SHOW_DIRECT
20	PPPI_BUTTON_TEXT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pharma Process Document
30	PPPI_FUNCTION_DURING_DISPLAY	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	allowed
40	PPPI_EXPORT_PARAMETER	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DOCUMENT_TYPE
50	PPPI_STRING_CONSTANT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
60	PPPI_EXPORT_PARAMETER	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DOCUMENT
70	PPPI_STRING_CONSTANT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
80	PPPI_EXPORT_PARAMETER	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DOCUMENT_PART
90	PPPI_STRING_CONSTANT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
100	PPPI_EXPORT_PARAMETER	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DOCUMENT_VERSION
110	PPPI_STRING_CONSTANT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

- Execute configurable transaction to update *Document Status* to integrate with Digital Signature

Document Type DJ1

Document Status D3 New Status

Status D3

Status text Released

Attributes

☒ Object Check ☐ Complete for ECM

☒ Release Flag ☐ Distr. lock

☒ Content version ☐ Check-In Required

☐ Check in

Fld sel. .

Status type S

Prev. 1 D2

Prev. 2

Prev. 3

Prev. 4

Prev. 5

Prev. 6

Workflow Task

Object Type

Object ID

Program exit

Form routine

SignStrat. PHARMA

Release Document - SAP Easy Access → SAP Menu → Logistics → Central Functions → Document Management System → Document → Change (Transaction CVO2N)

Document Data

Description Process Document SAP Classic DMS Demo

Document Status D2 Under Review Document Status 2 En...

CM Relevnce


User DEB1981

Lab/Office

Change Number

Authorization Group

St.	Status text	SI
D1	New	I
D3	Released	S

 You must make a digital signature for this status

- Post release of the document, the date & log gets updated

6/13

✓ Document info record DJ1 2 000 00 changed

- Assignment of relevant **DIR** to *Master Recipe* via **Process Instruction** to relevant phase

Proc. Instr.	Proc.instr. category	Typ	Description
0005	DMS	6	Pharma Document Management System

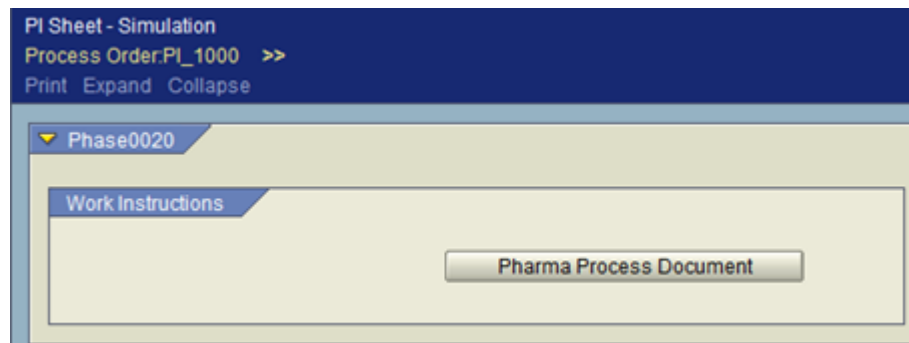
- Update relevant document number as shown below

PI ...	Characteristic	V.	A...	C	C	L..	Characteristic Value
0010	PPPI_FUNCTION_NAME	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		COPF_DOCUMENT_SHOW_DIRECT
0020	PPPI_BUTTON_TEXT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Pharma Process Document
0030	PPPI_FUNCTION_DURING_DISPLAY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		allowed
0040	PPPI_EXPORT_PARAMETER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		DOCUMENT_TYPE
0050	PPPI_STRING_CONSTANT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		DJ1
0060	PPPI_EXPORT_PARAMETER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		DOCUMENT
0070	PPPI_STRING_CONSTANT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		2
0080	PPPI_EXPORT_PARAMETER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		DOCUMENT_PART
0090	PPPI_STRING_CONSTANT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		000
0100	PPPI_EXPORT_PARAMETER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		DOCUMENT_VERSION
0110	PPPI_STRING_CONSTANT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		00

- Simulate relevant Process Instruction



- On successful simulation, save the Master Recipe



☒ Recipe was saved in recipe group PI_1000

Integration of DMS - Execution Steps (XSteps)

- Access Standard XStep Repository via transaction **CMXSV** (Plant-Specific)

OR

- Access Cross-Plant Standard XStep Repository via transaction **CMXSVN**

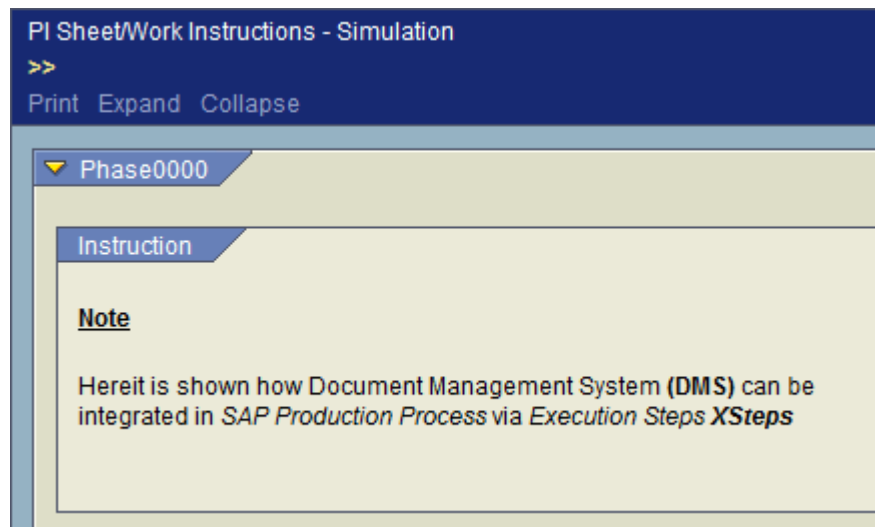
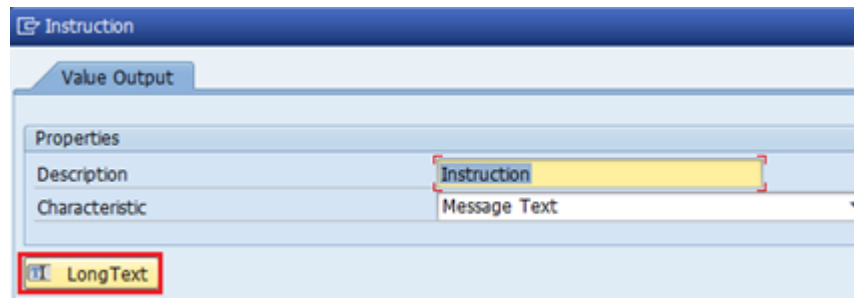
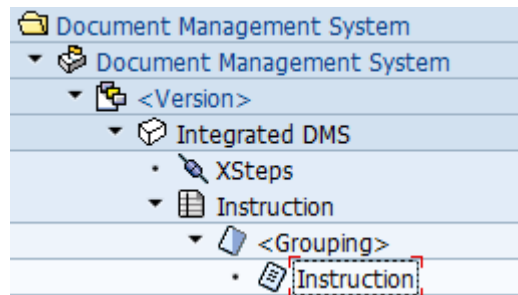
- Some of the standard PI-Characteristics linked to DMS

1. Document Number - PPPI_DMS_DOCUMENT_NUMBER
2. Document Type - PPPI_DMS_DOCUMENT_TYPE
3. Document Part - PPPI_DMS_DOCUMENT_PART
4. Document Version - PPPI_DMS_DOCUMENT_VERSION

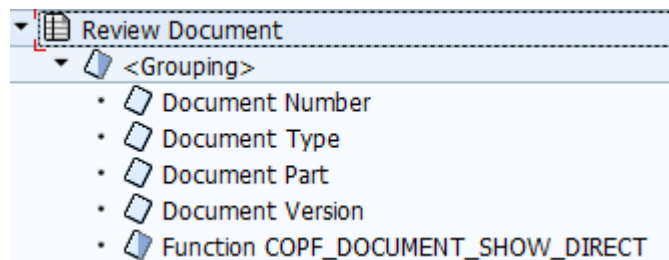
Name	Description	Category	Characteristic	Tabular Value
DOCNUM	Document Number	Local	PPPI_DMS_DOCUMENT_NUMBER	<input type="checkbox"/>
DOCTYP	Document Type	Local	PPPI_DMS_DOCUMENT_TYPE	<input type="checkbox"/>
DOCPRT	Document Part	Local	PPPI_DMS_DOCUMENT_PART	<input type="checkbox"/>
DOCV	Document Version	Local	PPPI_DMS_DOCUMENT_VERSION	<input type="checkbox"/>

Name	Symbol		Evaluation	Value	LIVE
DOCNUM		<input type="checkbox"/>	None		<input type="checkbox"/>
DOCPRT		<input type="checkbox"/>	None		<input type="checkbox"/>
DOCTYP		<input type="checkbox"/>	None		<input type="checkbox"/>
DOCV		<input type="checkbox"/>	None		<input type="checkbox"/>

- Long text can be inserted in Output as shown below



- Function Module - **COPF_DOCUMENT_SHOW_DIRECT**
- Structuring XStep tree to house DMS



Function Module:

Short text:

Function Module Parameters

Short text	Type	Val. Mode	Man.	Tabular	Value
Document type	Export	Parameter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DOCTYP
Document	Export	Parameter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DOCNUM
Document part	Export	Parameter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DOCPRT
Document version	Export	Parameter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DOCVER

- Real-Time PI-Sheet display for Process Order, post integration with Master Recipe

PI Sheet-Change

Process Order:000070001061 Material Number:PROC-1000 Batch:0000000761 >>

Chnge -> Displ. Save Complete Print Create comment Expand Collapse

Note

Hereit is shown how Document Management System (DMS) can be integrated in SAP Production Process via Execution Steps XSteps

Document Number*

Document Type*

Document Part*

Document Version*

I hope, the above information was helpful

Regards,

DJ

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Former Member

January 15, 2018 at 12:14 pm

Hello,

Good Information.

Can we maintain Document Type wise authorizations ?

If a material has tow Documents *.PDF & *.DWG only PDF can be accessed through MM03>Additional Data.

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Santosh Mathew

May 17, 2019 at 8:09 pm

Great Work Debjyoti!

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