



PUBLIC

How-To Customizing Navigation for Change Request Steps in the User Interface for Single-Object Processing

Applicable Releases:

From MDG 7.0 and from SAP S/4HANA 1511

Version 1.2

July 2023

Document History

Document Version	Description
1.0	First official release of this guide (2015)
1.1	Adjust template (2020)
1.2	Add chapter 'Create a UI Configuration', adjust template (2023)

1	BUSINESS SCENARIO.....	4
2	CREATE A UI CONFIGURATION.....	4
2.1	Copy the Component Configuration.....	4
2.2	Connect your Configuration on the MDG Communicator	9
3	CUSTOMIZING NAVIGATION FOR CHANGE REQUEST STEPS IN THE USER INTERFACE FOR SINGLE-OBJECT PROCESSING.....	11
3.1	Process Modeling Customizing	11
3.2	Customize Navigation	11
4	TRY-OUT.....	13
5	ADDITIONAL INFORMATION	16
5.1	Further Reading	16
5.1.1	Information on SAP MDG on SAP S/4HANA	16
5.1.2	SAP Roadmap Explorer	16
5.1.3	Related Information	16
5.2	SAP Notes.....	16

1 Business Scenario

SAP Master Data Governance (MDG) provides business processes to find, create, change, and mark master data for deletion. It supports the governance of master data in a central hub and the distribution to connected operational and business intelligence systems.

The processes are workflow-driven and can include several approval and revision phases, and the collaboration of all users participating in the master data maintenance.

MDG offers change request (CR)-based processing of master data with integrated workflow, staging, approval, activation, and distribution.

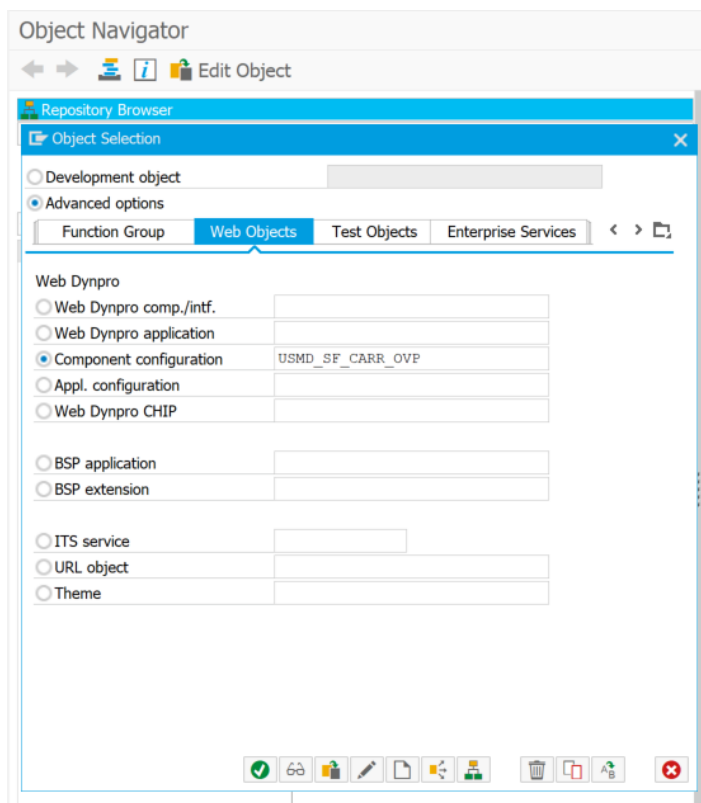
During single object processing, you want to define different User Interfaces for individual Change Request steps. For example, in a supplier scenario you might want one step to make the general data visible, and, in another step, you might want only the purchasing organization data to be visible.

2 Create a UI Configuration

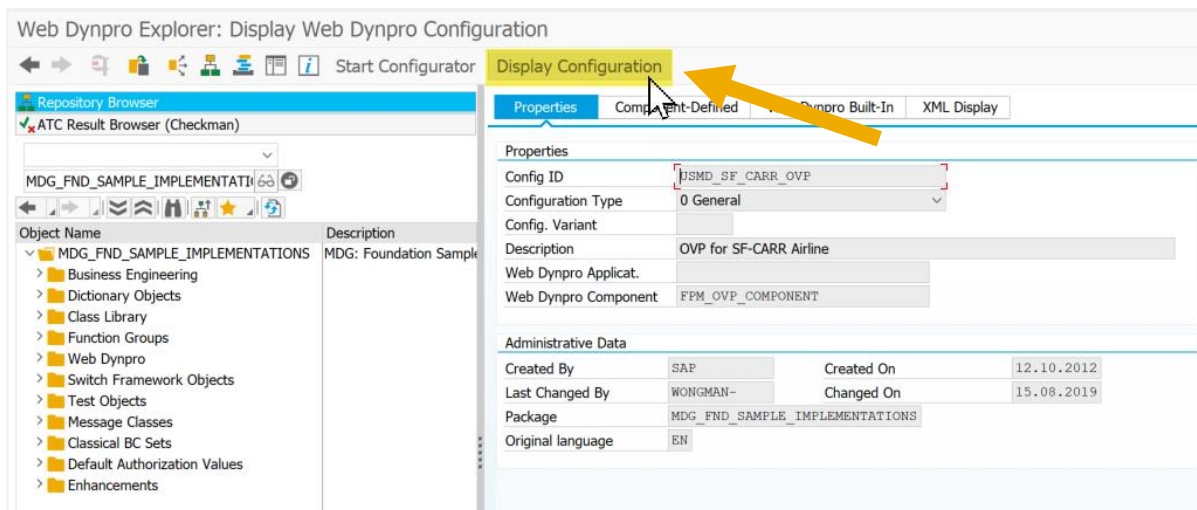
You can copy an existing UI Configuration and adapt it to your needs. As an example, we copy the Component Configuration of the Overview Floorplan (OVP) `USMD_SF_CARR_OVP` and delete the attachment User Interface Building Block (UIBB).

2.1 Copy the Component Configuration

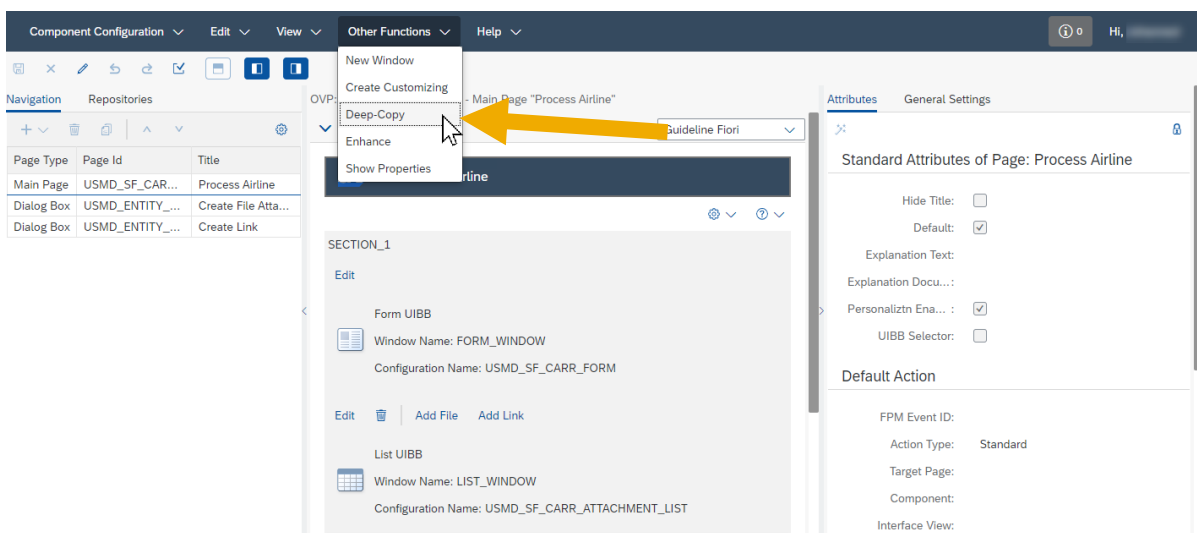
Run transaction Object Navigator (`SE80`). Go to Workbench > Object Navigator > Advanced Options and enter `USMD_SF_CARR_OVP` as the Component Configuration.



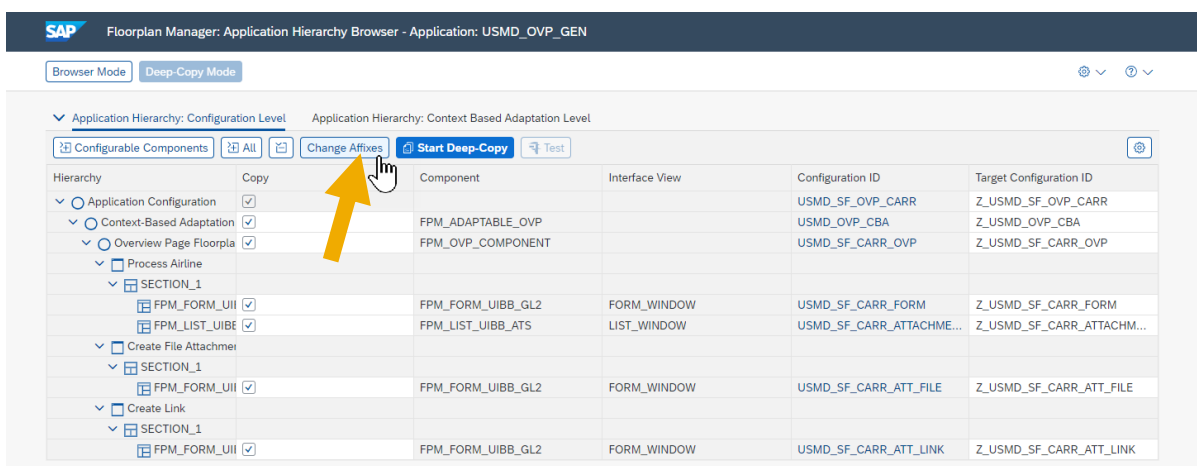
Go to *Display Configuration*.

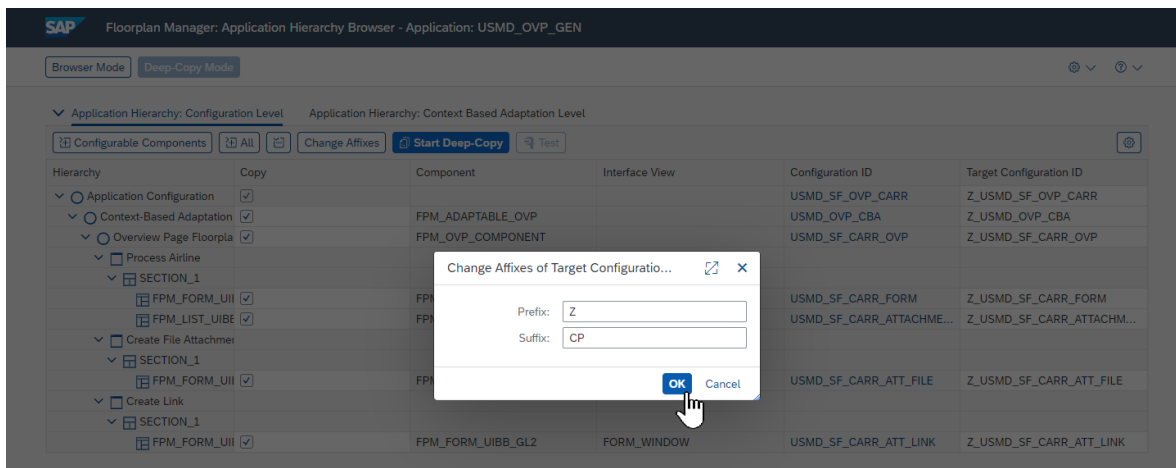


In the *Component Configuration* screen, choose *Other Functions* > *Deep Copy*.

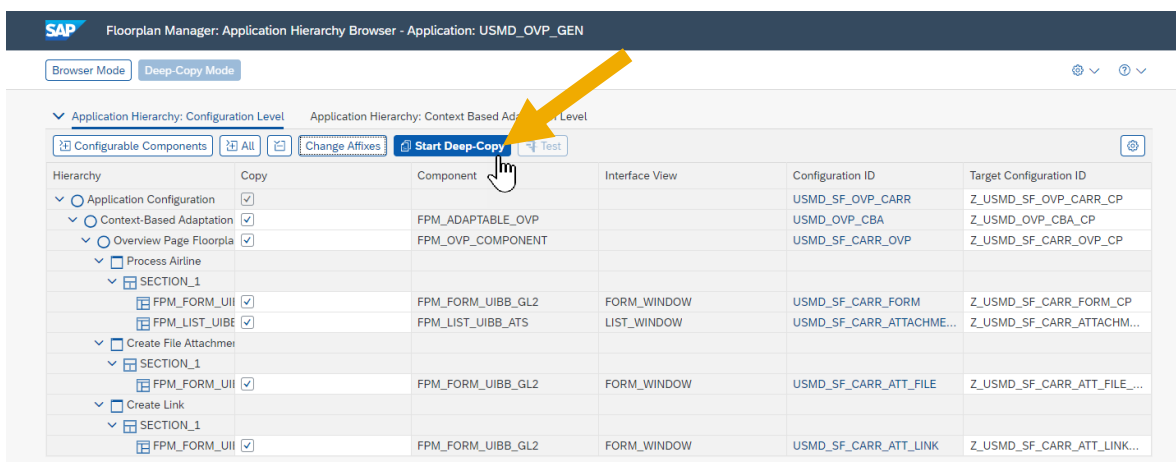


Choose an appropriate prefix and suffix for the name of your *Target Configuration ID*, by choosing the *Change Affixes* button. In this example we add the prefix **z** to the already existing names. The system automatically adds an underscore (**_**).

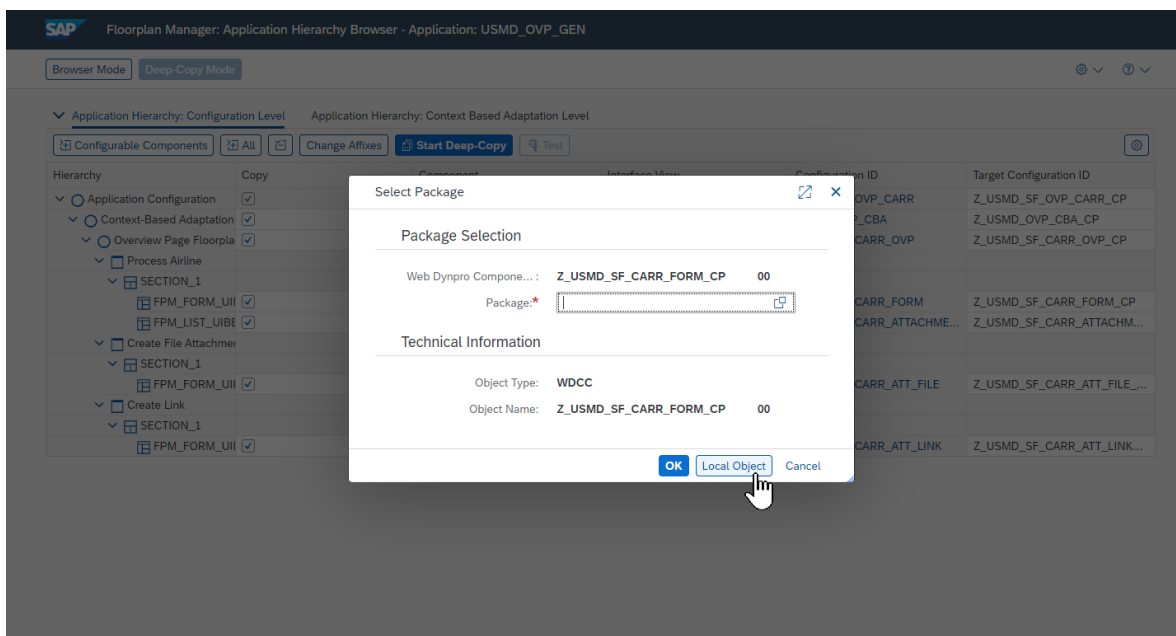




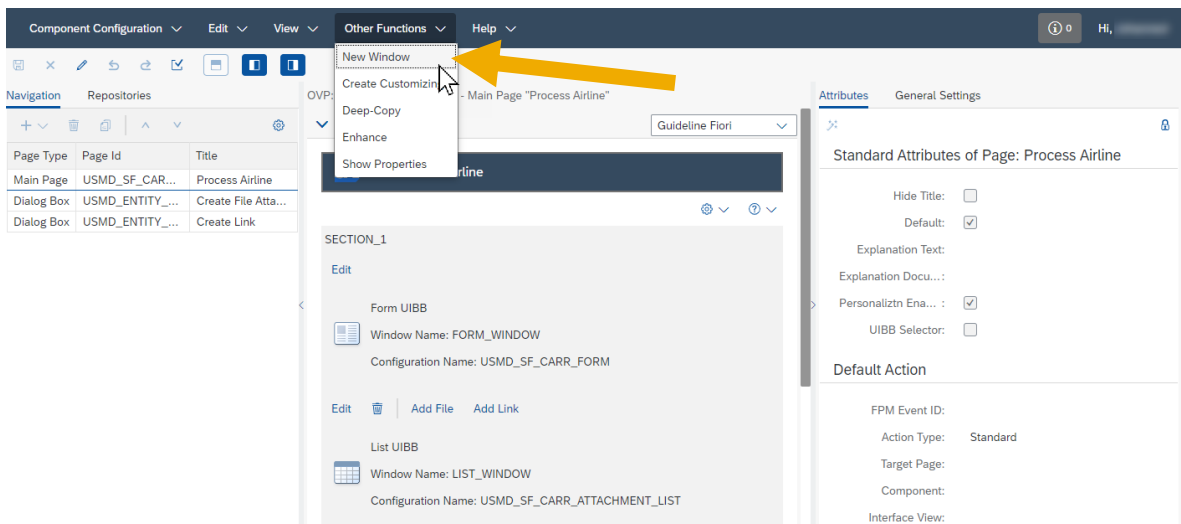
Choose **Start Deep-Copy**.



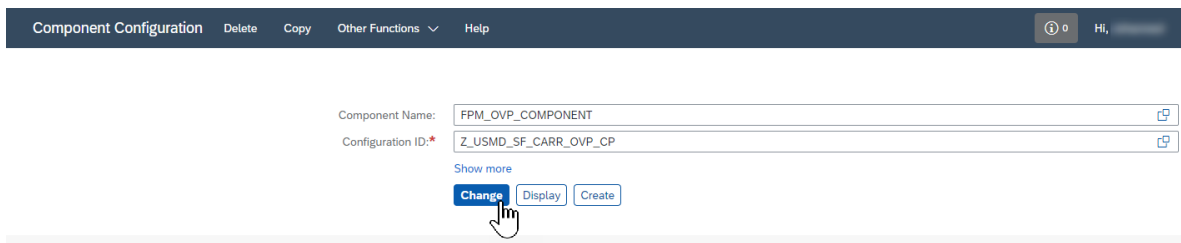
Choose an appropriate package or move on with a local object.



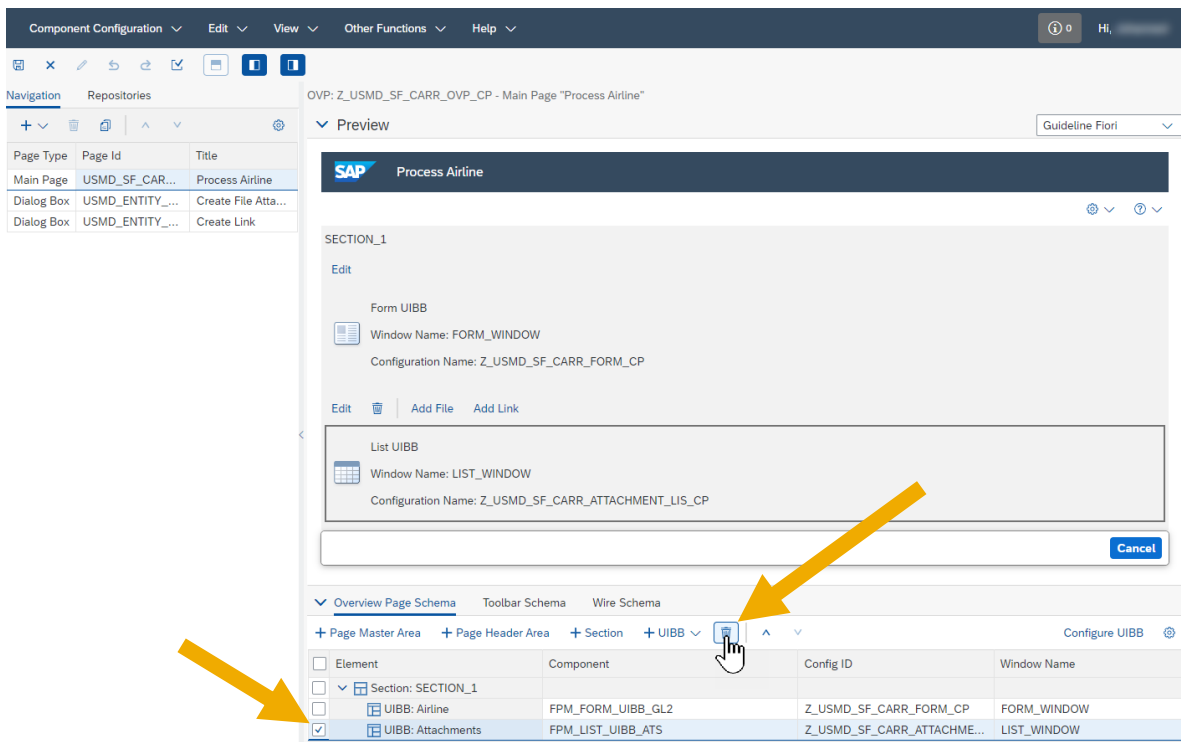
Go back to the **Component Configuration** window. Go to **Other Functions** → **New Window**.



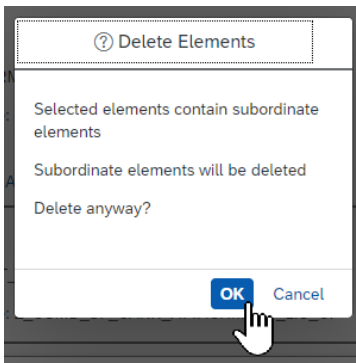
Enter the name of the newly created *Configuration ID* (here **Z_USMD_SF_CARR_OVP_CP**) and choose **Change**.



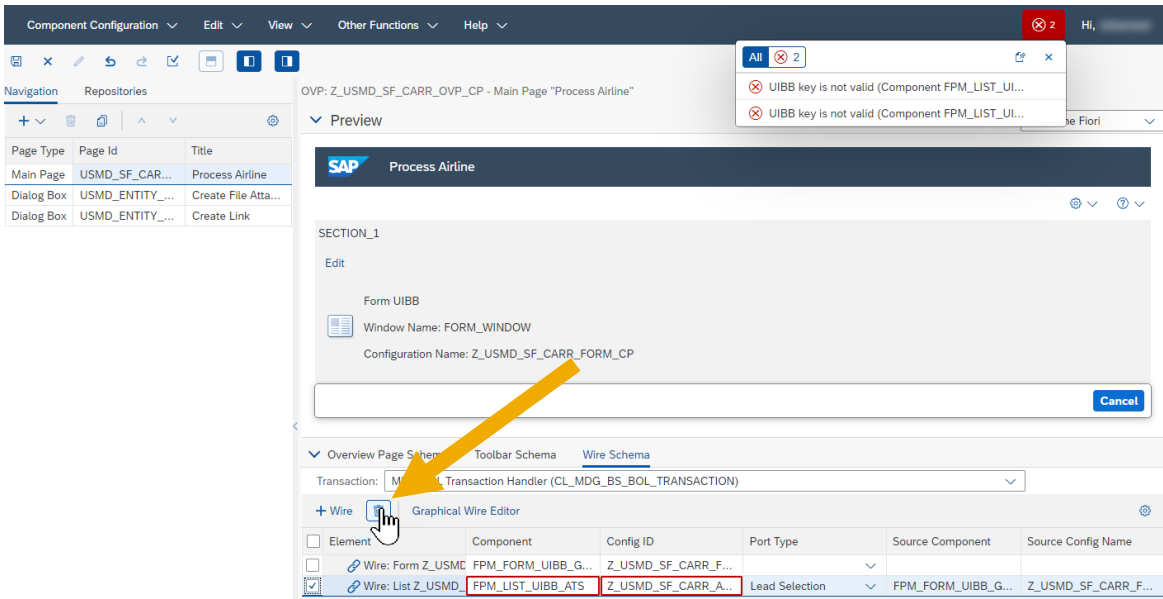
In area *Overview Page Schema*, select the *Attachment UIBB* and choose to delete.



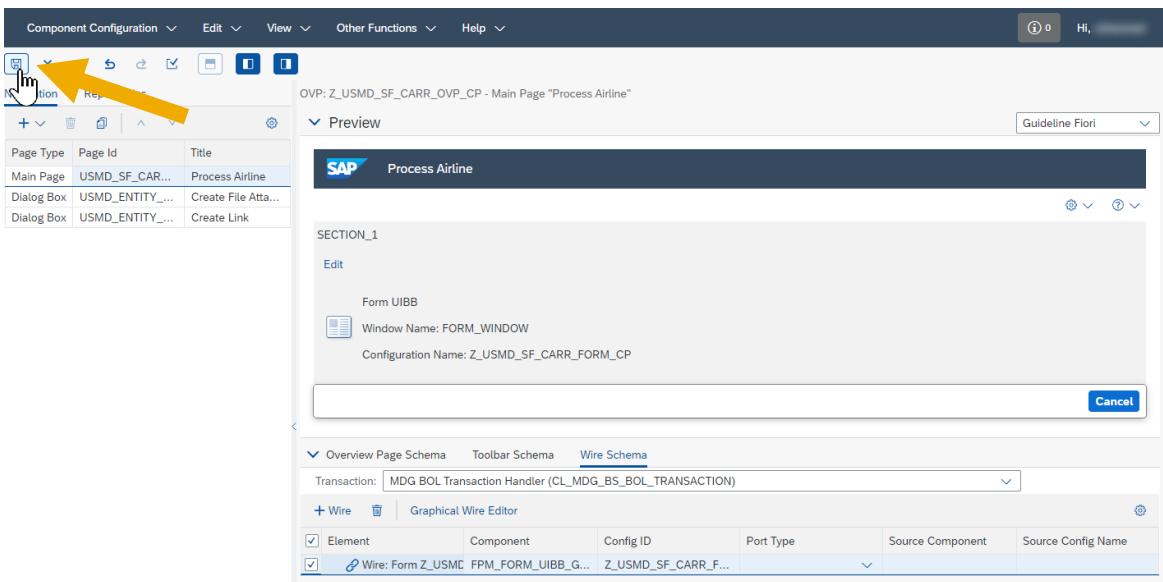
Confirm the pop-up for deletion of subordinate elements with **OK**.



Go to *Wire Schema*, select the 2nd line which refers to the deleted attachment UIBB and choose to delete.



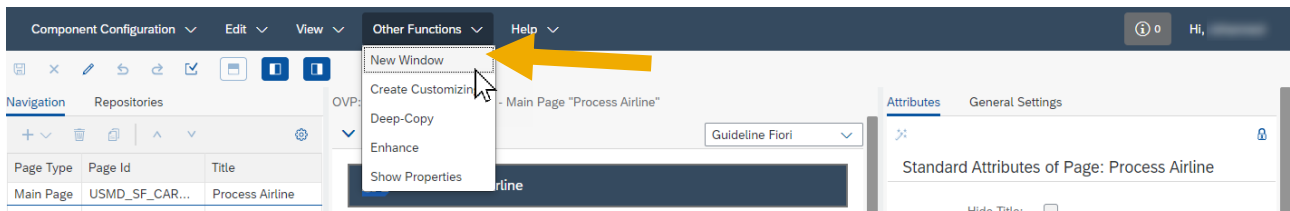
Save the component configuration.



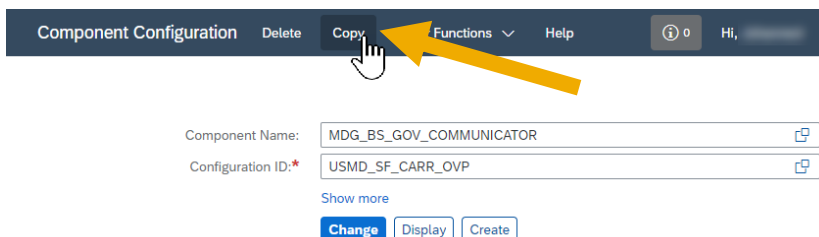
2.2 Connect your Configuration on the MDG Communicator

To ensure you can dynamically integrate the change request UIBB and its wiring into your communicator application, you must add a configuration to the *Component Configurations* for the communicator's Web Dynpro component.

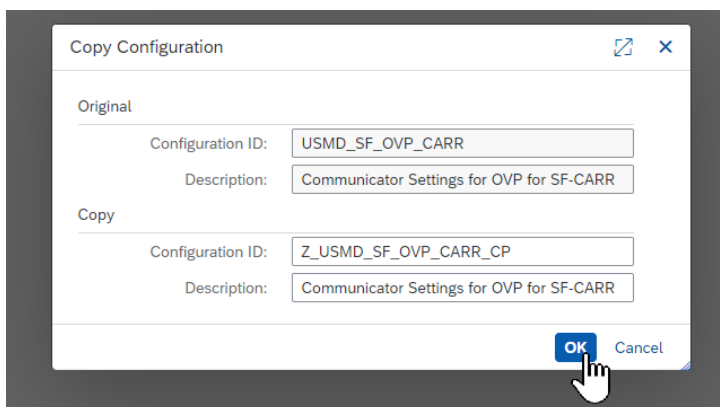
Go back to the *Component Configuration* window. Go to *Other Functions* → *New Window*.



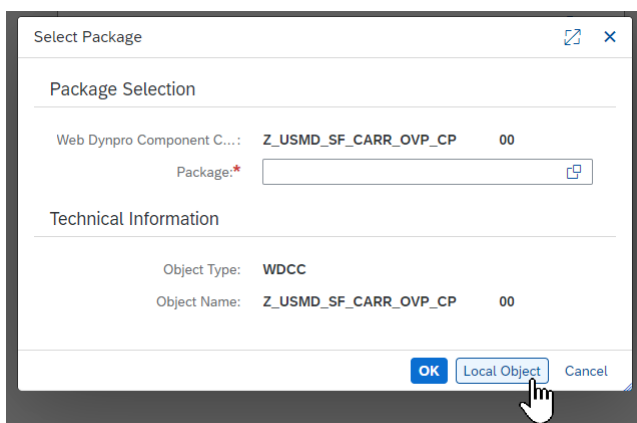
Enter *Component Name* **MDG_BS_GOV_COMMUNICATOR** and either create a new component configuration for it or copy an existing one. To copy the existing one, enter *Configuration ID* **USMD_SF_CARR_OVP** and choose *Copy*.



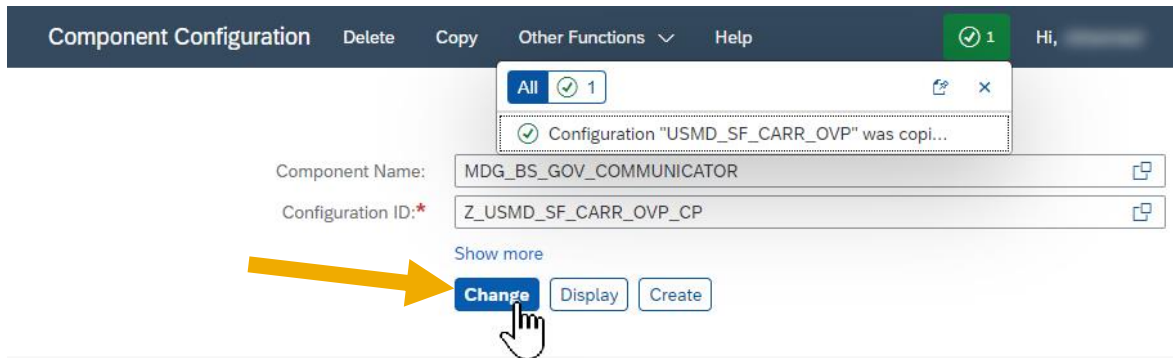
IMPORTANT: Give the new component configuration for the communicator configuration the same name as the Web Dynpro application configuration (in this case, **Z_USMD_SF_OVP_CARR_CP**).



Choose an appropriate package or move on with a local object.



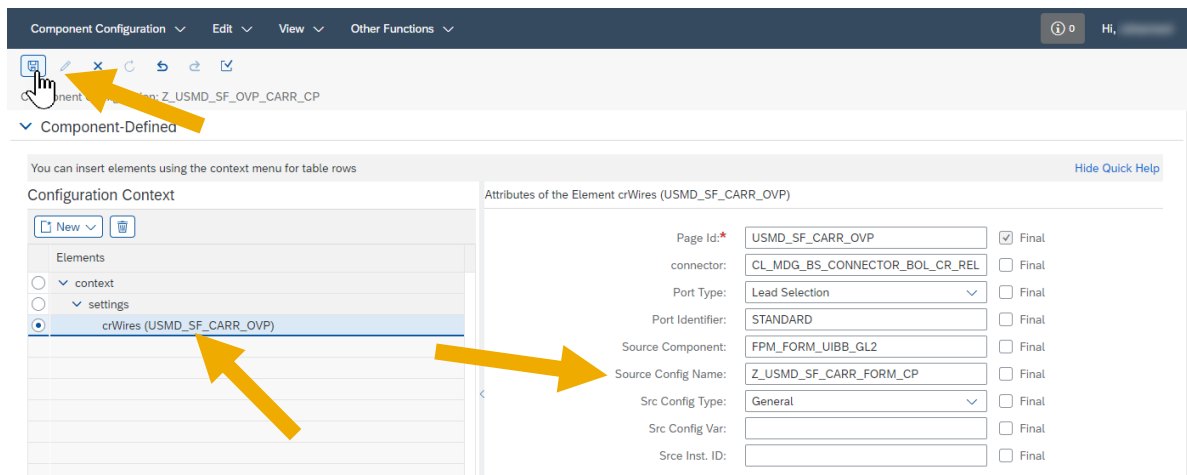
Choose *Change*.



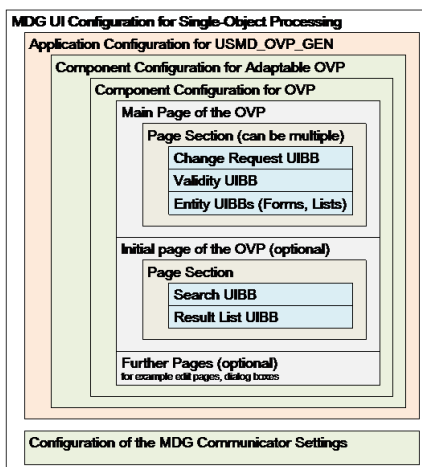
In this case, you want to integrate the communicator with the change request UIBB, but not with additional features such as the search control for MDG's search concept. Consequently, it is sufficient to maintain *crWires* under the node *settings*. In the OVP floorplan that requires integration with the change request UIBB, enter the *Page Id* of your main page, and define relevant wiring information.

For example, relevant wiring information can include the connector class together with the source UIBB (Source Component), and the type of wiring involved (*Port Type* and *Port Identifier*). All these settings are dynamically added during runtime in the target OVP. The source UIBB is the one that is wiring to the change request using either a relation or, as in this example, a query. By default, the deep copy function copies the included UIBBs.

IMPORTANT: You must change the *Source Config Name* (here **Z_USMD_SF_CARR_FORM_CP**) because the relevant *Page Id* is not automatically changed by the deep copy.



For your reference:



3 Customizing Navigation for Change Request Steps in the User Interface for Single-Object Processing

The following customizing activities are used in this example (Transaction **MDGIMG**):







- *General Settings > Process Modeling > Create Change Request Type*
- *General Settings-> Process Modeling > Configure Properties of Change Request Step*

3.1 Process Modeling Customizing

Create a Custom Change Request Type – Copy Change Request Types: SFC01 and SFC02

In this example, we use customizing activity *Create Change Request Type* to copy change request type **SFC01** to **Z_SFC01** and **SFC02** to **Z_SFC02**.

Change View "Type of Change Request": Overview

New Entries       BC Set: Change Field Values

Dialog Structure

- Type of Change Request
 - Entity Types
 - Scope on Entity
 - Business Activities
 - Service Level Agreement

Type of Chg. Request	Edition Type	Data Model	Description (medium text)
PCMATMRP		MM	PCR: Multi Pro. for Planning Data (full)
PCRMAT02		MM	Process Material-Parallel Change Request
PCT1P1	OG_ALL		Create Profit Center
PCT2P1	OG_ALL		Process Profit Center
PCTAP1	OG_ALL		Mass Change Profit Center
PCTLP1	OG_ALL		Profit Center Initial Load
PCTXP1	OG_ALL		Delete Profit Center
SFC01		SF	Process Airline
SFC02		SF	Change Airline
SFC0A		SF	Mass Change Airlines

Maintain the Processors for the Change Requests

Use customizing activity *Assign Processor to Change Request Step Number (Simple Workflow)* to assign processors to the change request steps.

Change View "Assignment of Processors to Workflow Step Number": Overview

Assignment of Processors to Workflow Step Number

Type of Chg. Request	S..	Description (medium)	O.	Agent ID	Complete name
Z_SFC01	0	Request	S	50000054	Flight Product Manager
Z_SFC01	1	Processing	S	50000051	Flight Application Process Expert
Z_SFC01	2	Final Check	S	50000051	Flight Application Process Expert
Z_SFC01	2	Final Check	S	50000053	Flight Operations Manager
Z_SFC02	0	Request	S	50000054	Flight Product Manager
Z_SFC02	1	Processing	S	50000051	Flight Application Process Expert
Z_SFC02	2	Final Check	S	50000051	Flight Application Process Expert
Z_SFC02	2	Final Check	S	50000053	Flight Operations Manager

3.2 Customize Navigation

Use the customizing activity *Configure Properties of Change Request Step* to customize change request steps for a specific change request type.

Display View "Type of Change Request": Overview

Dialog Structure

- Type of Change Request
 - Change Request Step
 - Enhancements and Checks per Change Request Step
 - Entity Types per Change Request Step
 - Attributes per Change Request Step
 - User Interface per Change Request Step

Type of Change Request

Type of Chg. Request	Description (medium text)
ZXP01P	SD's sample change request ref data
ZYFY1P1	Add new Fiscal Year Data
Z_CCGHP1	Custom: Process CCTRG Hierarchies
Z_SFC01	Process Airline - Z_SFC01
Z_SFC02	Change Airline - Z_SFC02

During the creation of an airline using Change Request type **z_sfc01**, we want to use the configuration without an attachment UIBB in the draft step (00).

Change View "User Interface per Change Request Step": Overview

Dialog Structure

- Type of Change Request
 - Change Request Step
 - Enhancements and Checks per Change Request Step
 - Entity Types per Change Request Step
 - Attributes per Change Request Step
 - User Interface per Change Request Step

Type of Chg. Request: **Z_SFC01**

User Interface per Change Request Step

Step	UI Application Name	Configuration Name
00	USMD_OVP_GEN	Z_USMD_SF_OVP_CARR_CP
01		
02		

During the change of an airline with Change Request type **z_sfc02**, we want to use the configuration without an attachment UIBB in the processing step (01).

Change View "User Interface per Change Request Step": Overview

Dialog Structure

- Type of Change Request
 - Change Request Step
 - Enhancements and Checks per Change Request Step
 - Entity Types per Change Request Step
 - Attributes per Change Request Step
 - User Interface per Change Request Step

Type of Chg. Request: **Z_SFC02**

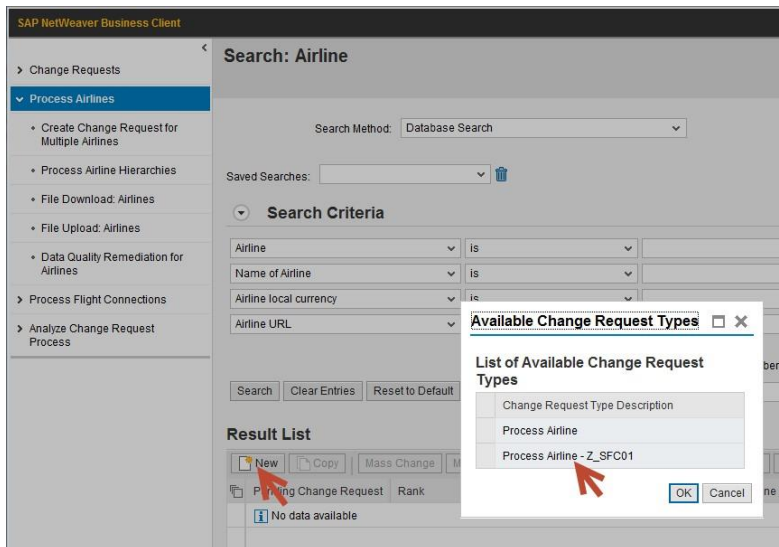
User Interface per Change Request Step

Step	UI Application Name	Configuration Name
00		
01	USMD_OVP_GEN	USMD_SF_OVP_CARR_CP
02		
03		

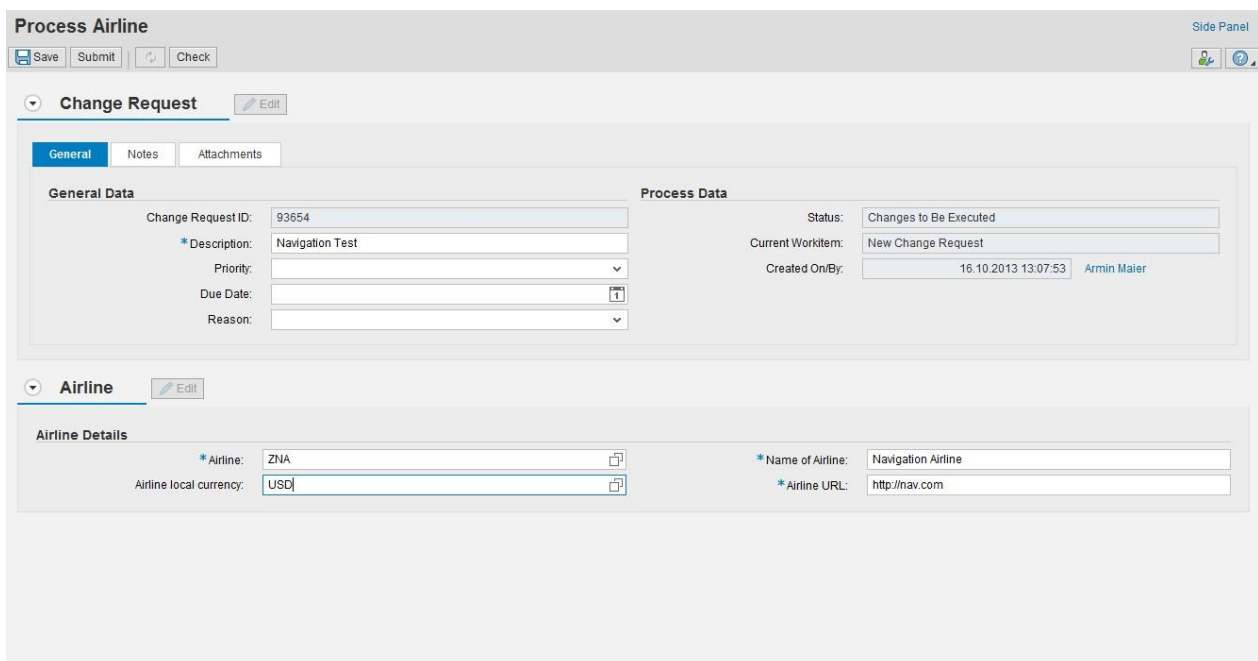
4 Try-Out

Creation of an Airline with Change Request Type Z_SFC01

Using the role *MDG Custom Objects - Flight Data Model* (**SAP_MDGX_FND_SAMPLE_SF_04**), you create a new *Airline* from the Search Screen. You use the change request type **Z_SFC01**.



After choosing the correct change request type, the UI configured for the initial step displays. No *Attachments* section is visible.



Now search for the newly created airline and click the icon for *Pending Change Requests*.

SAP NetWeaver Business Client

Change Requests

Process Airlines

- Create Change Request for Multiple Airlines
- Process Airline Hierarchies
- File Download: Airlines
- File Upload: Airlines
- Data Quality Remediation for Airlines

Process Flight Connections

Analyze Change Request Process

Search: Airline

Search Method: Database Search

Saved Searches:

Search Criteria

Airline	is	ZNA		
Name of Airline	is			
Airline local currency	is			
Airline URL	is			

☒ Maximum Number of Results: 100

Search Clear Entries Reset to Default

Save Search As:

Result List: 1 record found

New Copy Mass Change Multi-Processing Change Documents Replication Status Replicate

Pending Change Request	Rank	Airline	Name of Airline	Airline local currency	Airline URL
	100,00	ZNA	Navigation Airline	USD	http://nav.com

In the processing step (step 01) of this change request type, the *Attachments* section (attachment UIBB) is visible again, as configured.

Process Airline ZNA

Save Finalize Processing Send for Revision Cancel Check Change Documents Workflow Log

Change Request Edit

General Notes Attachments

General Data

Change Request ID: 93654

Description: Navigation Test

Priority:

Due Date:

Reason:

Process Data

Status: Changes to Be Executed

Current Workitem: Process Change Request 93654 (Navigation Test)

Created On/By: 16.10.2013 13:07:53 Armin Maier

Changed On/By: 16.10.2013 13:09:38 Armin Maier

Airline Edit

Airline Details

Airline: ZNA

Airline local currency: USD

Name of Airline: Navigation Airline

Airline URL: http://nav.com

Attachments Edit

Actions	Type	Title	Size	Added On	Added By	Language	Comment
No data available							

Change with Change Request Type z_SFC02

For navigation into active data, navigation that depends on the change request step is not possible because no change request type is known at this point in time. When the change request is saved as a draft later on, the system considers navigation that depends on the change request step.

Navigate to the active data of the newly created airline and edit this airline using the change request type **z_SFC02**.

Process Airline ZNA Side Panel

Save Cancel

Airline Edit

Airline Details

Airline: ZNA Name of Airline: Navigation Airline
 Airline local currency: USD Airline URL: http://nav.com

Attachments Edit File Link

Actions	Type	Title	Size	Added On	Added By	Language	Comment
No data available							

Available Change Request Types X

List of Available Change Request Types

Change Request Type Description
Change Airline
Change Airline - Z_SFC02

OK Cancel

Submit the change. In this step, the Attachment UIBB is visible.

Process Airline ZNA Side Panel

Save Submit Cancel Check

Change Request Edit

General Notes Attachments

General Data

Change Request ID: 93655

*Description: Change for Navigation Test

Priority: ▼

Due Date: T

Reason: ▼

Process Data

Status: Changes to Be Executed

Current Workitem: New Change Request

Created On/By: 16.10.2013 13:22:14 Armin Maier

Changed On/By: 16.10.2013 13:22:14 Armin Maier

Airline Edit

Airline Details

Airline: ZNA *Name of Airline: Navigation Airline
 Airline local currency: EUR *Airline URL: http://nav.com

Attachments Edit File Link

Actions	Type	Title	Size	Added On	Added By	Language	Comment
No data available							

Search for the changed airline again and open the change request. In the processing step (step 01) the Attachment UIBB is not visible.

Process Airline ZNA Side Panel

Save Finalize Processing Send for Revision Cancel Check Change Documents Workflow Log

Change Request Edit

General Notes Attachments

General Data

Change Request ID: 93655

*Description: Change for Navigation Test

Priority: ▼

Due Date: T

Reason: ▼

Process Data

Status: Changes to Be Executed

Current Workitem: Process Change Request 93655 (Change for Navigation Test)

Created On/By: 16.10.2013 13:22:14 Armin Maier

Changed On/By: 16.10.2013 13:24:14 Armin Maier

Airline Edit

Airline Details

Airline: ZNA *Name of Airline: Navigation Airline
 Airline local currency: EUR *Airline URL: http://nav.com

5 Additional Information

5.1 Further Reading

5.1.1 Information on SAP MDG on SAP S/4HANA

- Exchange knowledge: [SAP Community](#) | [Q&A](#) | [Blog](#)
- Try SAP Master Data Governance on S/4HANA for free: [Trial Version](#)
- Learn more: [Latest Release](#) | [Webinars](#) | [Help Portal](#) | [How-to Information](#) | [Key Presentations](#)

5.1.2 SAP Roadmap Explorer

- Please see the [roadmap for SAP Master Data Governance](#)

5.1.3 Related Information

- Learn more: [Floorplan Manager for Web Dynpro ABAP](#) | [How to Adapt FPM](#) | [FPM Blog](#) | [How-to Information](#) | [Service Mapping Tool](#) | [SAP S/4HANA Cookbook CVI](#)

5.2 SAP Notes

In addition to the detailed explanations written in this document, please see the following SAP Notes for further important information.

Note	Description
1619534	How to Create, Enhance and Adapt FPM Applications

