Define Requirements in Pricing

Sales in SAP S/4HANA Cloud 1811
November 2018

CUSTOMER

Objectives

After completing this learning module, you will be able to:

- The function provided by requirements in pricing
- How to set up the custom logic for the requirements in pricing
- How to set the routine number for the requirements in pricing
- How to assign the routine number to an access in an access sequence
- How to assign the access sequence to a condition type
- How to assign the routine number to a step in a pricing procedure
- How to set up the pricing procedure determination

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The Function

The Function I

Allows you to specify whether a condition type or an access is considered during price calculation or not.

- Supports you if the requirements delivered by SAP do not match your business needs.
- You can set up custom logic for the requirements.
- You can reuse your custom logic for different condition types in pricing procedures or accesses in access sequences.
- By using the requirement for document (pre-step), you can improve the runtime performance of the pricing logic.

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The Function II

Every requirement can consist of up to two types:

1. Requirement for Document (Pre-Step)

The pre-step is executed using attributes from the business document header only. It is used to decide whether the condition type or the access is taken into account at all. Only if the pre-step succeeds, a condition type or access is applicable for any of the business document items.

The implementation of this pre-step is not mandatory. The main aim of the pre-step is to improve the runtime performance of the pricing logic. Or you can use the requirement for document as a stand-alone check that checks only the header attributes.

If the pre-step fails, the condition type or access is not considered for any document item not in further calculations.

If you create a subsequent document, the pre-step is in general again checked for the target business document. Exception: For the creation of a billing document the pre-step is suppressed.

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The Function III

2. Requirement for Document Item

The requirement is checked for each item individually. It represents the final decision on whether condition type or access are to be considered or not. Header and item fields are available and can be used for the requirement.

If the requirement on the item is not fulfilled, the condition cannot be added manually to this item.

Note: The requirement on the document item is not checked for conditions that are copied from one business document to another one.

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The Function IV

Note: It is not mandatory to implement both types. It is also possible to implement the pre-step only, or the requirement for item only. In these cases, the requirement for item or the pre-step for the not-implemented requirement is interpreted as true.

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Tasks and Roles

Overview of Tasks and Required Roles

Task	Tile(s)	Business Role
Create Custom Logic	Custom Fields and Logic	SAP_BR_ADMINISTRATOR
Define Requirements in Pricing	Manage Your Solution / Subsection Configure Your Solution	SAP_BR_BPC_EXPERT
Change Access Sequence	Pricing Configuration for Sales - SAP Fiori launchpad group	SAP_BR_BPC_EXPERT
Set Condition Types for Pricing	Manage Your Solution / Subsection Configure Your Solution	SAP_BR_BPC_EXPERT
Set Pricing Procedures	Manage Your Solution / Subsection Configure Your Solution	SAP_BR_BPC_EXPERT
Set Pricing Procedure Determination	Manage Your Solution / Subsection Configure Your Solution	SAP_BR_BPC_EXPERT

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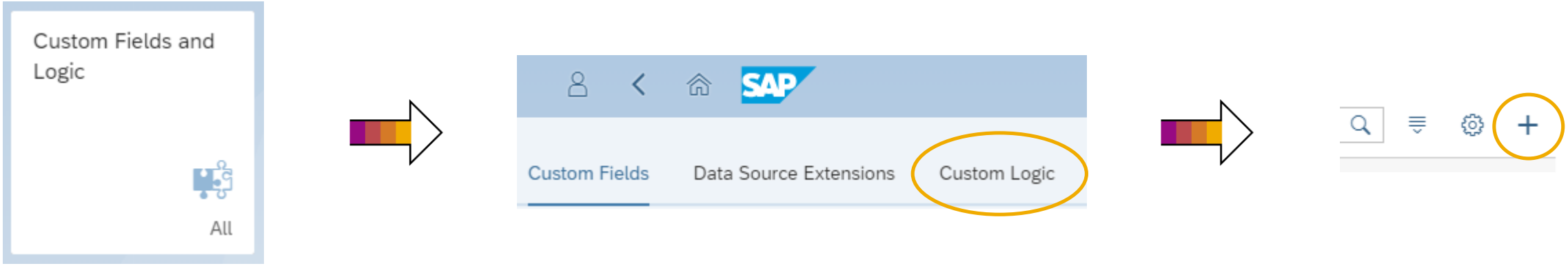
Set up Custom Logic

Set up Custom Logic I

To start using extensibility, open the *Custom Fields and Logic* app:

- Navigate to the *Custom Logic* tab
- Choose the create option (‘+’) on the right hand side of the screen



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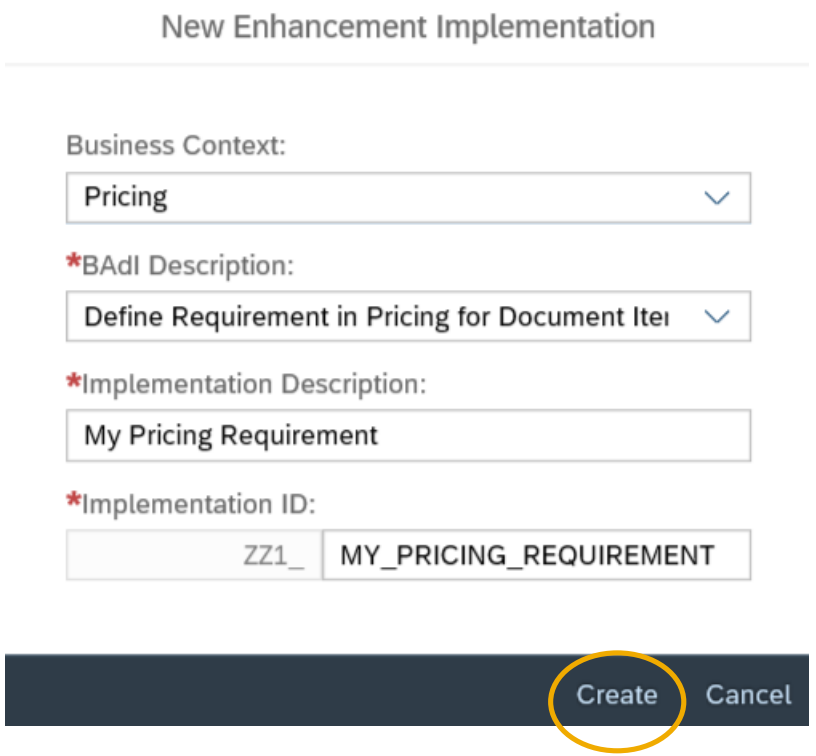
Set up Custom Logic II

Create a new enhancement implementation:

- Business Context
  - Pricing
- BAdI Description
  - Define Requirement in Pricing for Document (for the pre-step)
  - Define Requirement in Pricing for Document Item
- Implementation Description
  - <Provide an implementation description>
- Implementation ID
  - Contains a default value that can be overwritten



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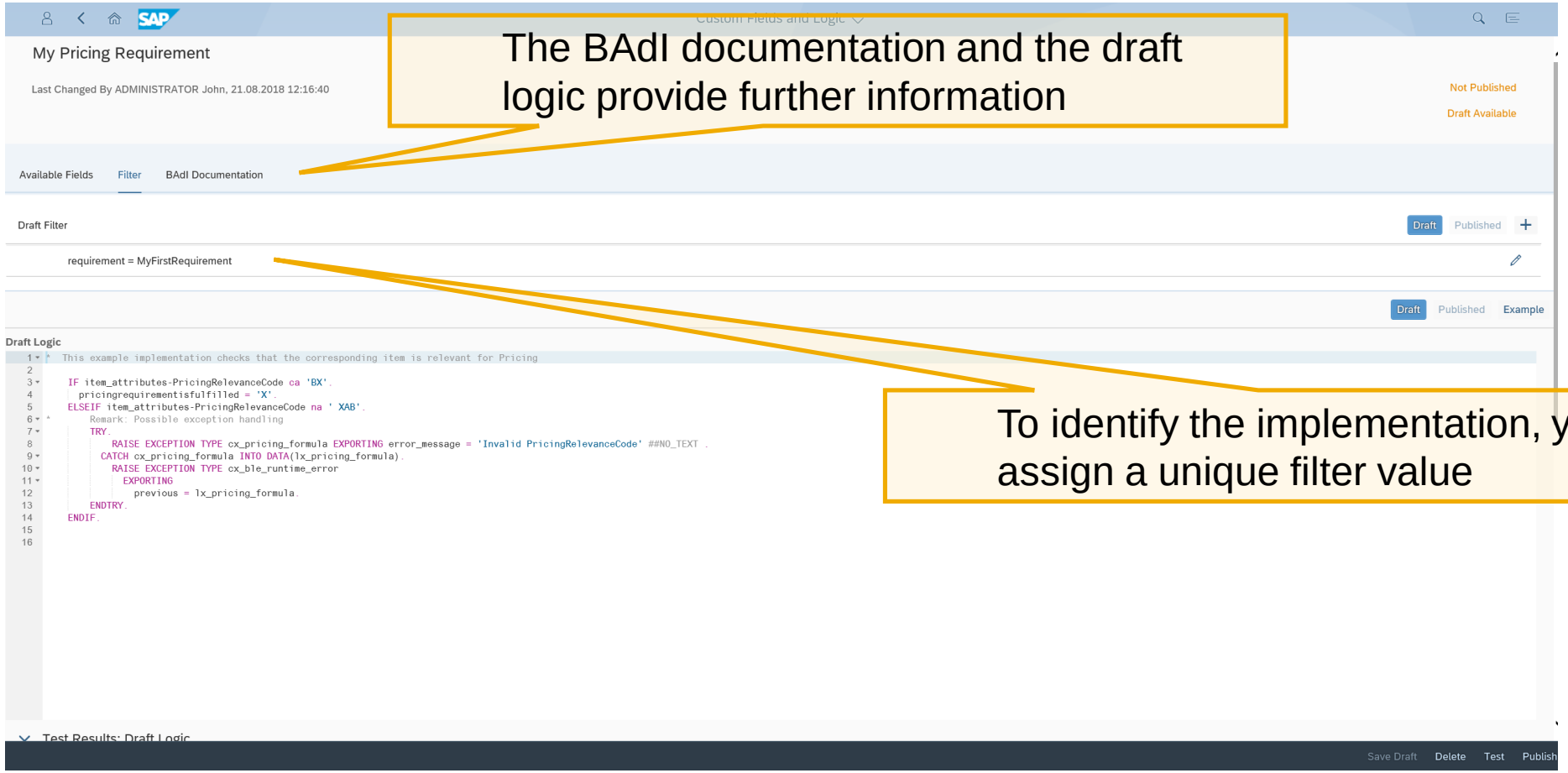
Set up Custom Logic III

Draft, test, and publish the enhancement implementation



The BAdI documentation and the draft logic provide further information

To identify the implementation, you must assign a unique filter value

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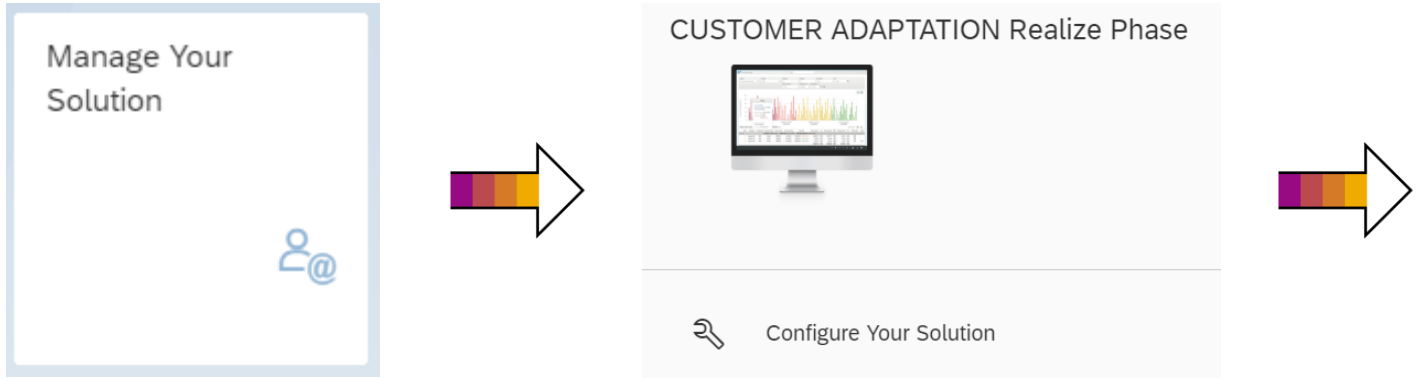
Define Requirement in Pricing

Define Requirement in Pricing I

Start the *Manage Your Solution* app:

- Navigate to *Configure Your Solution*
- Choose the configuration item described as *Configure pricing for customers and materials in sales*



Configuration Items (5)

Application Area	Sub Application Area	Item Name	Short Description
Sales	Incentive and Commisions Management	Sales Commission Settlement	Set up the sales commission settlement process.
Sales	Sales Master Data Management	Pricing	Configure pricing for customers and materials in sales.

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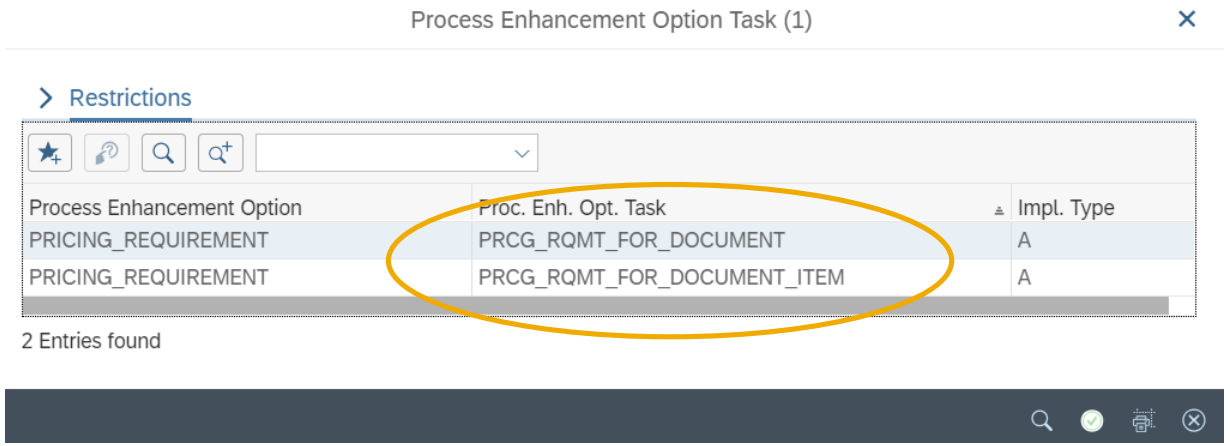
Define Requirement in Pricing II

Choose configuration step *Define Requirement in Pricing*:

- Create a new entry for *Registration of a Routine Number*
- In the *Process Enhancement Option* field, select *PRICING_REQUIREMENT*
- Assign a routine number from 3000000 to 3009999
- Create a new entry within *Assign Enhancement IDs to a Routine Number*
  - You need to assign the filter value of the enhancement implementation as an identifier for your enhancement
  - Based on the process enhancement option task, you can determine whether the requirement for document or for document item is to be assigned to the corresponding routine number. It is also possible to assign both of them.



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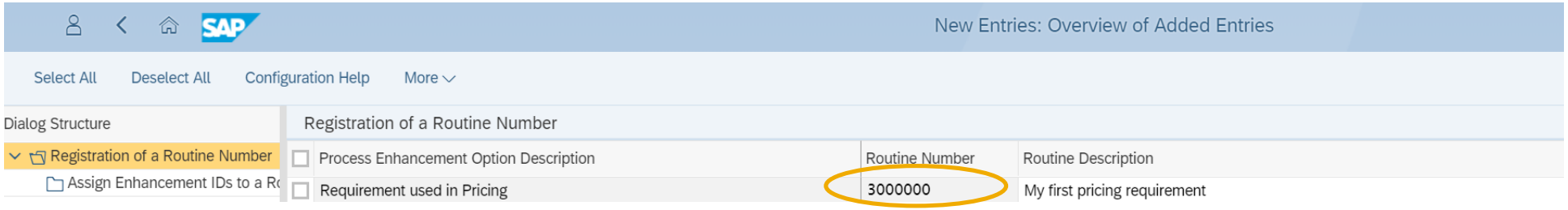
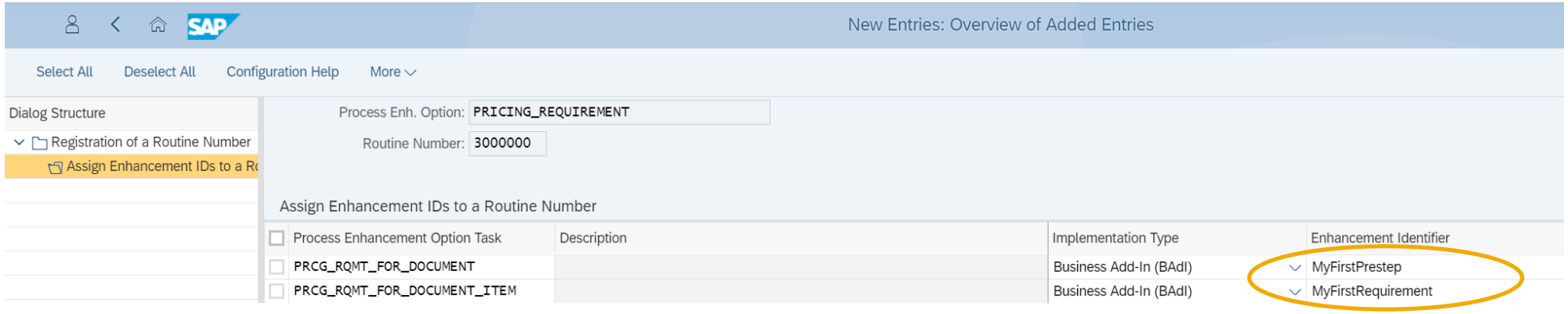
Define Requirement in Pricing III

Step 1: Registration of a routine number



Step 2: Assign enhancement ID(s) to a routine number



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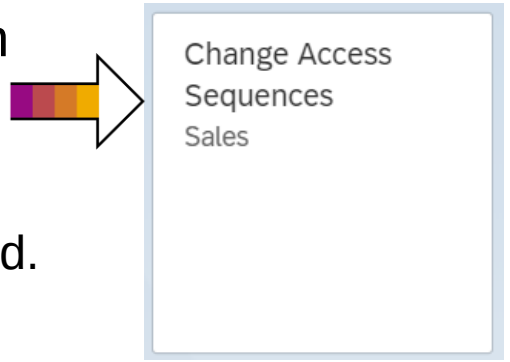
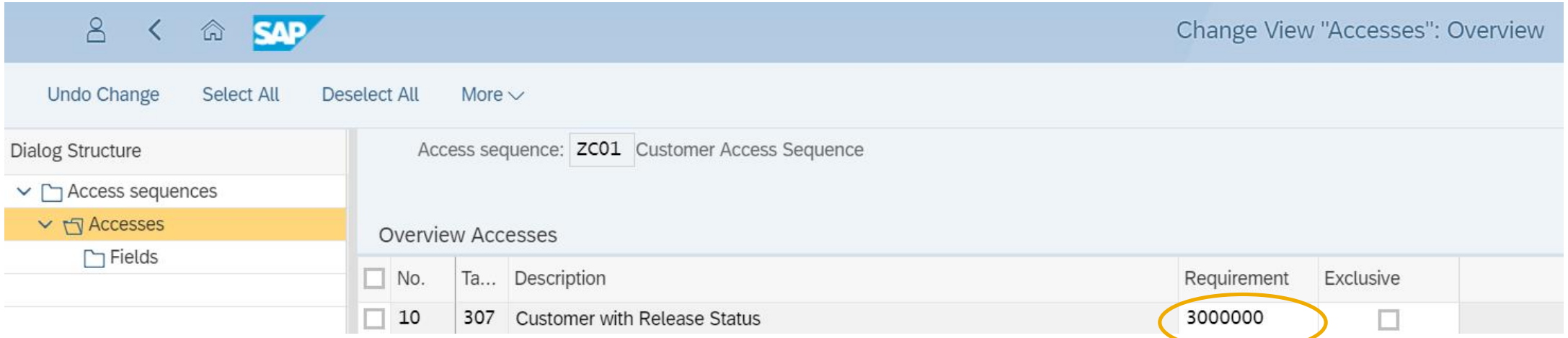
Assign a Requirement to an Access in an Access Sequence

Assign Requirement to an Access in an Access Sequence

In the SAP Fiori launchpad group *Pricing Configuration for Sales,* open tile *Change Access Sequences Sales*:

- Copy an SAP-delivered access sequence to your custom access sequence.
- Navigate to *Accesses* and assign the routine number to the *Requirement* field.





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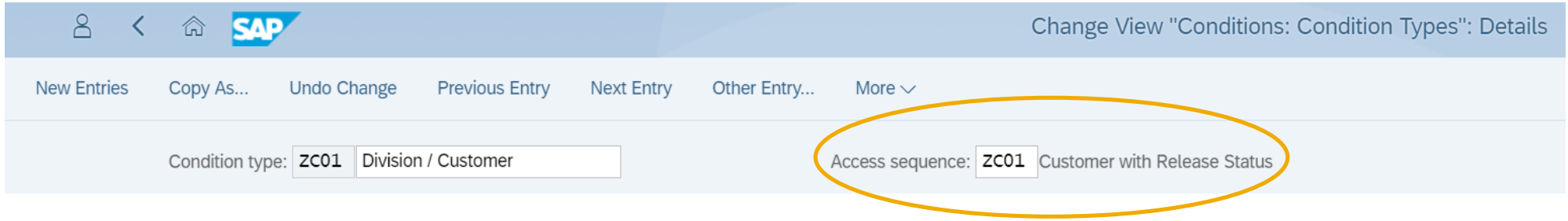
Assign the Previously Created Access Sequence to a Condition Type

Assign Access Sequence to a Condition Type

In the *Manage Your Solution* app, choose *Configure Your Solution.* Within configuration item *Configure pricing for customers and materials in sales*:

- Navigate to *Set Condition Types for Pricing*
- Choose an existing condition type or copy an SAP-delivered condition type to your custom condition type
- Go to the condition details and enter your previously created access sequence in the corresponding field



Caution:

Please consider the consequences before changing the access sequence in a SAP-delivered condition type. For more information, see the longtext of the warning message that is displayed.

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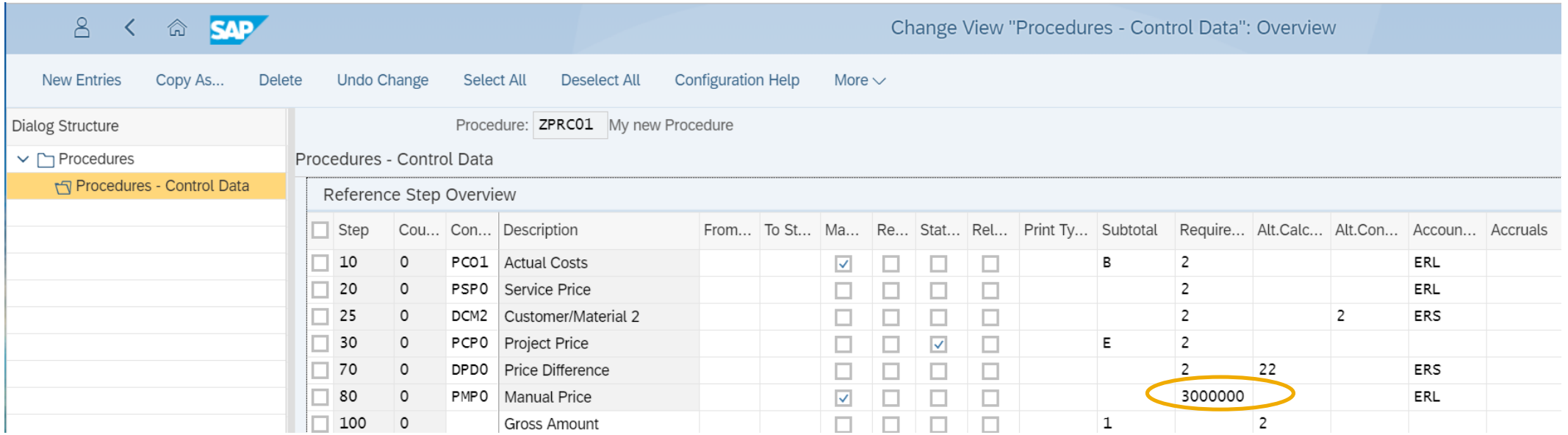
Assign Requirement to a Step in a Pricing Procedure

Assign Requirement to a Step in a Pricing Procedure

In the *Manage Your Solution* app, choose *Configure Your Solution.* Within configuration item *Configure pricing for customers and materials in sales*:

- Navigate to *Set Pricing Procedures*
- Copy an SAP-delivered pricing procedure to your custom pricing procedure
- In a step of a pricing procedure, assign the routine number to the *Requirement* field



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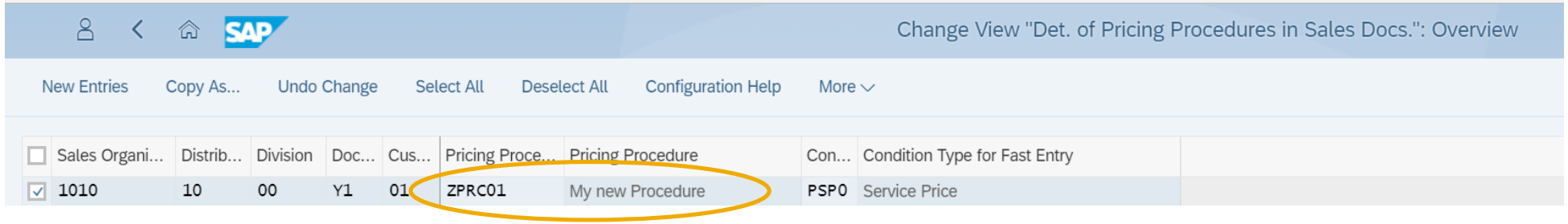
Set Pricing Procedure Determination

Set Pricing Procedure Determination

In the *Manage Your Solution* app, choose *Configure Your Solution.* Within configuration item *Configure pricing for customers and materials in sales*:

- Navigate to *Set Pricing Procedure Determination*
- Create a new entry for the determination of your pricing procedure or change an existing one accordingly



→ Pay attention to warnings that may occur if you change an existing entry.

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Summary

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