

How-to Define a Product Specific ODI Schema Determination

CRM Provider Sales and Order Management

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Applies to: CRM EhP1 and later

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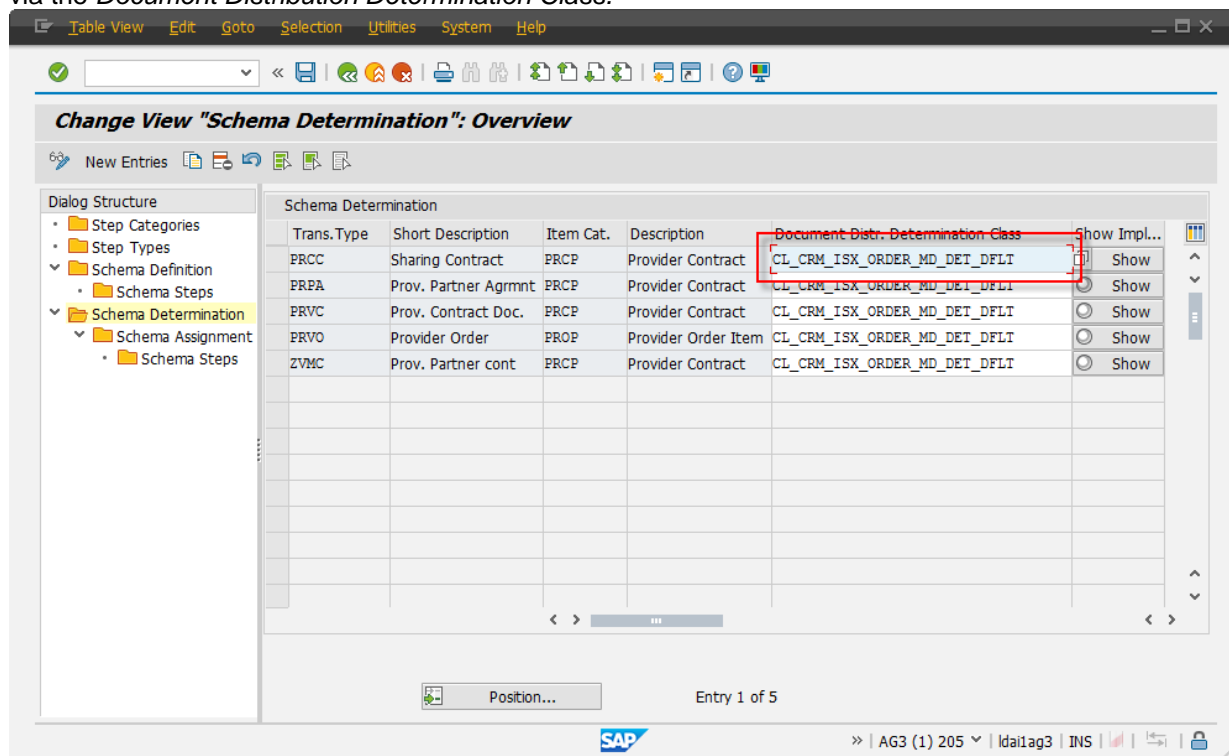
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INTRODUCTION

The basic configuration tables allow defining an ODI schema per combination of transaction type and item category. Typically each type of service requires different steps for provisioning. So this work well especially if each type of service is modelled as separate item category.

Depending on the number of services or the variety of ODI steps this approach isn't sufficient as even within the same item category different ODI schemas are desired.

Next to the simple determination of schemas ODI offers a very flexible way of finding the appropriate schema via the *Document Distribution Determination Class*.



There are various ways how to achieve tailored determination of schemas. This document will show one example based on a determination class being shipped as example implementation by SAP, meaning there is no ABAP development needed.

This class makes use of the standard product field *Product Group 1*.

Note:

As the product group supports only values with 3 characters, with these procedure you can only assign ODI schemas that don't make use of all 4 characters being available for the ID. The ID must be 3 characters or shorter.

CUSTOMIZING

Document Distribution

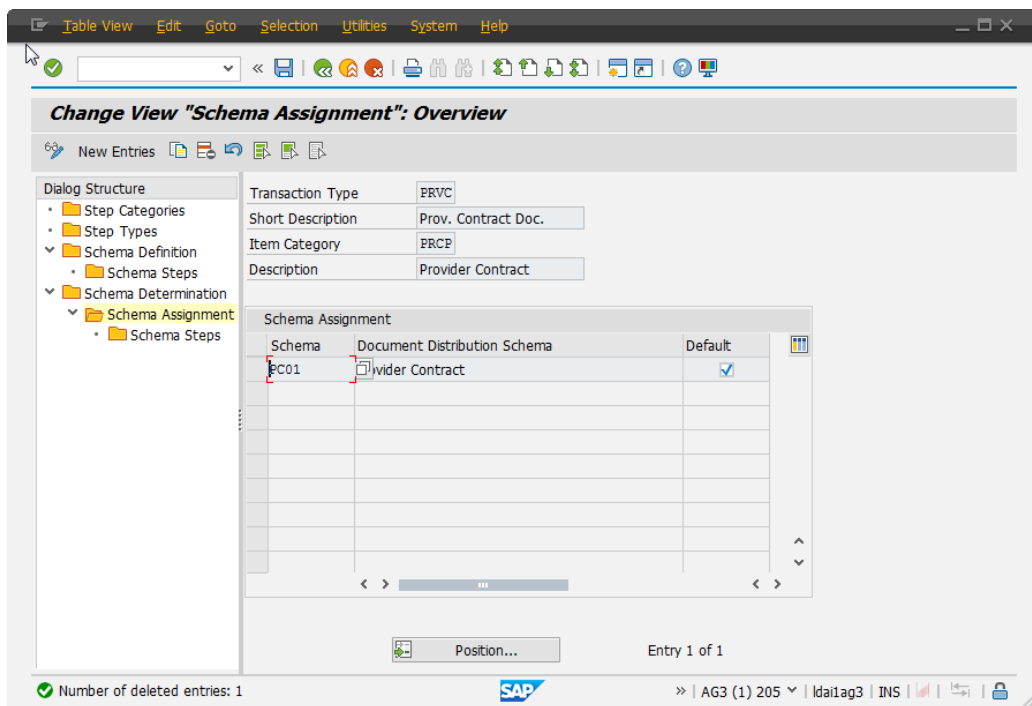
IMG path: *Customer Relationship Management -> Cross-Industry Functions -> Provider Order and Contract Management -> Transactions -> Document Distribution -> Document Distribution to ERP*

As a first step you need to identify the transaction type and item category of your document. In this example we refer to the SAP default types.

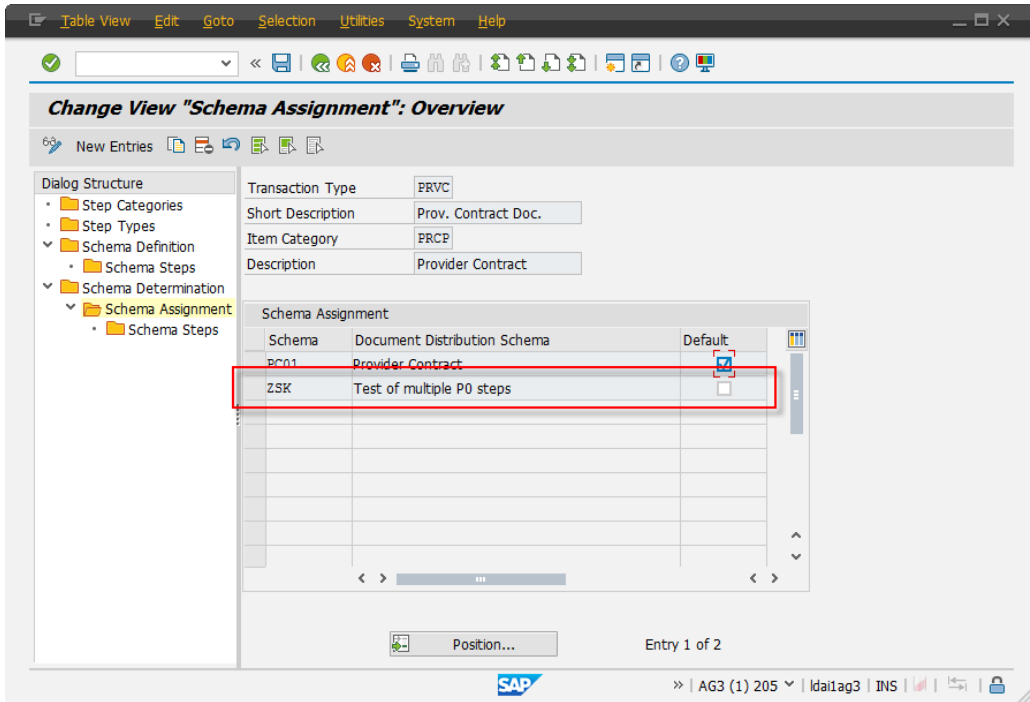
Transaction type: PRVC

Item category: PRCP

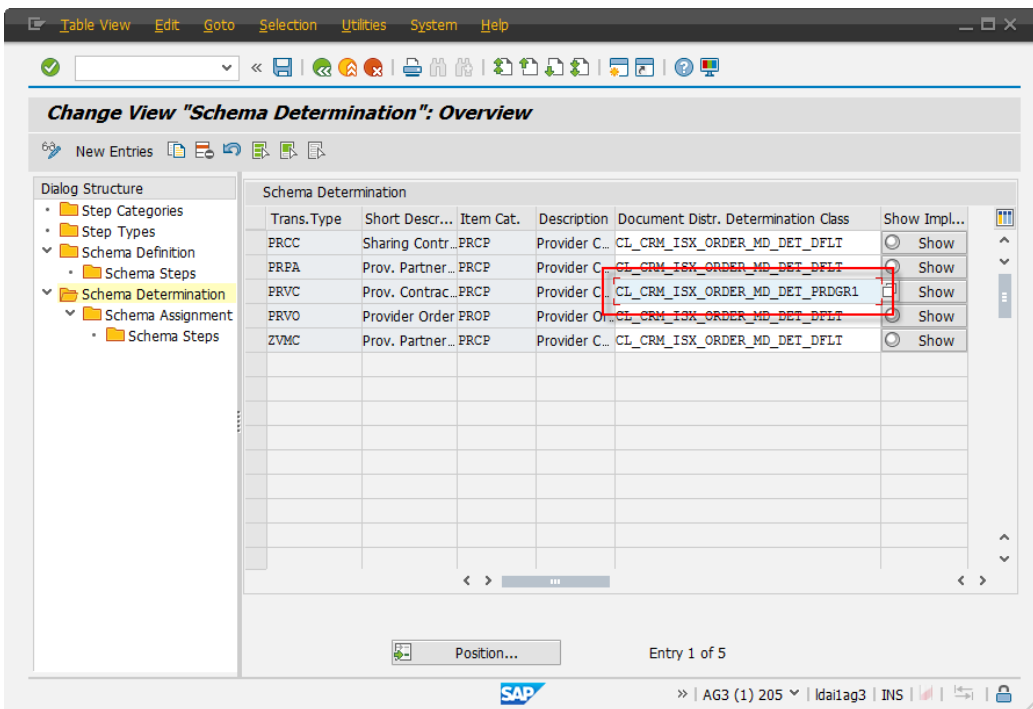
For those types you should have one default schema attached already:



As we want to assign a different schema to some products we add schema ZSK as additional non-default schema.



Change the determination class to CL_CRM_ISX_ORDER_MD_DET_PRDGR1

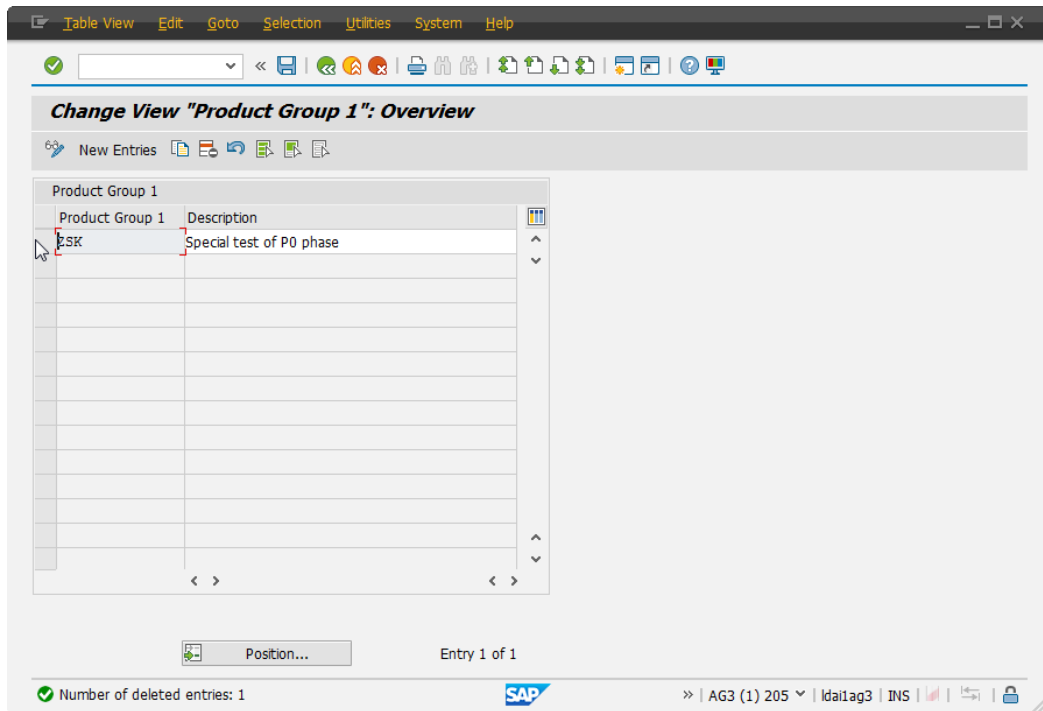


This class checks if there is something assigned in the generic product master data field *Product Group 1* (Technical name: PRC_GROUP1).
 If the value exists as ODI schema, the system will use it a instead of the default schema for the transaction.

Product

IMG path: *Customer Relationship Management -> Cross-Industry Functions -> Master Data -> Products -> Special Settings for Sales Operations -> Define Product Groups*

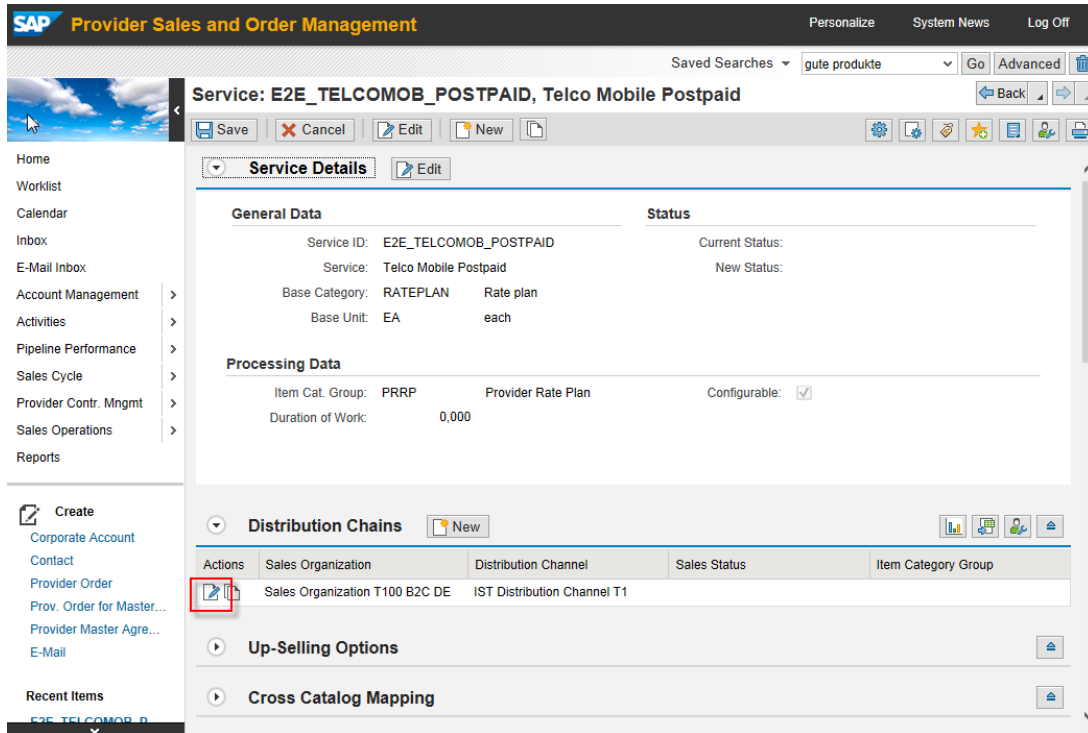
In order to be able to assign the value to products you first need to make the ODI schema ZSK a valid value for *Product Group 1*:



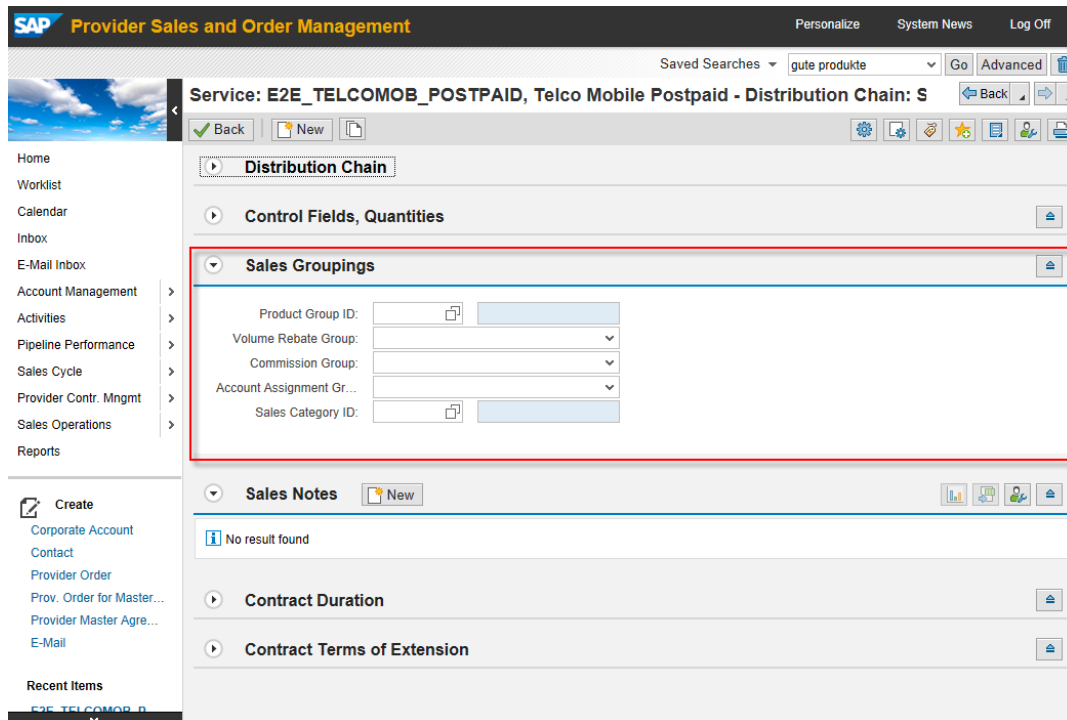
Now you can assign the field in the products that should make use of schema ZSK.

UI CONFIGURATION

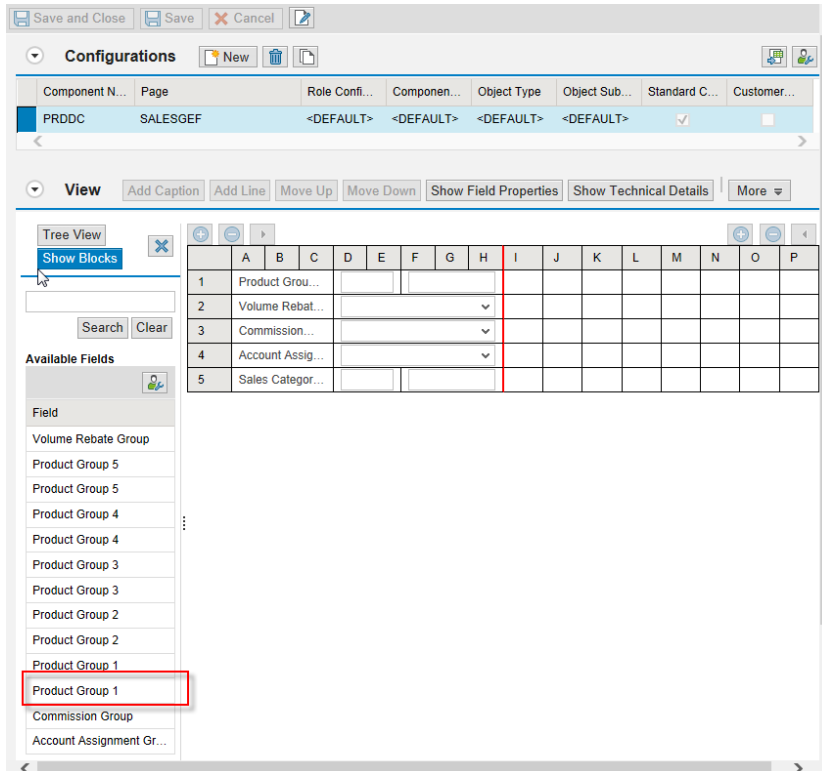
If the field *Product Group 1* is not displayed in the UI for product maintenance you may need to adapt the UI configuration. In this example the product groups are maintained depending on the organizational data.



The field is available in the context of the assignment block *Sales Groupings*



In the configuration mode you can add it to the screen



Now you are ready to use your product in newly created provider documents

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