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# Practical Guide to SAP® Business Partner

## Functions and Integration with SAP S/4HANA

- ▶ The SAP Business Partner concept
- ▶ SAP Business Partner integration in SAP ERP and SAP S/4HANA
- ▶ SAP Business Partner synchronization and Customer-Vendor Integration (CVI)
- ▶ Overview of customization settings and master data maintenance

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## 2 Assignment of number ranges

In this chapter, we will look at the various options for merging the number ranges of the customer, vendor and business partner objects/roles in a synchronization (Section 7.3.1). The number ranges of the individual objects must be set up and the account groups must be monitored.

I will show you the parameters to be set in Customizing for the following number range constellations:

- ▶ Business partner, customer and vendor have the same number,
- ▶ Business partner and customer have the same number—vendor has a different number
- ▶ Business partner and vendor have the same number—customer has a different number,
- ▶ Business partner, customer and vendor each have their own number.

### 2.1 Business Partner/Customer/Vendor—identical number

First, let's consider the case where all three objects (customer, vendor, and business partner) are assigned the same number according to Figure 2.1, in our example the "200000". To do this, *Number Ranges* and *Account Groups* must be defined accordingly.

Name	Business Partner Category „Organization“	Number
Inter Ltd.	Business Partner number	200000
Inter Ltd.	Customer number	200000
Inter Ltd.	Vendor number	200000

Figure 2.1: Identical numbers BP/customer/vendor

This constellation is useful, for example, if you create the master data completely from scratch in a Greenfield approach (see Section 7.4) and there are no specifications from the user departments for numbers to be trans-

ferred. As a result, all three objects (business partner, role customer and role vendor) have an identical number and can be assigned to each other more quickly in evaluations.

### 2.1.1 Customers (Accounts Receivable)

First of all, a new account group has to be created and defined via FINANCIAL ACCOUNTING • ACCOUNTS RECEIVABLE AND ACCOUNTS PAYABLE • CUSTOMER ACCOUNTS • MASTER DATA • PREPARATION FOR CREATING CUSTOMER MASTER DATA • DEFINE ACCOUNT GROUPS WITH SCREEN LAYOUT (CUSTOMERS) (see Figure 2.2 und Figure 2.3).

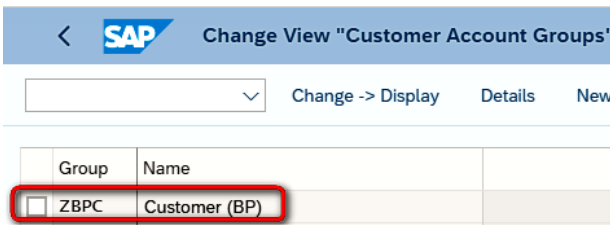


Figure 2.2: New customer account group “ZBPC”

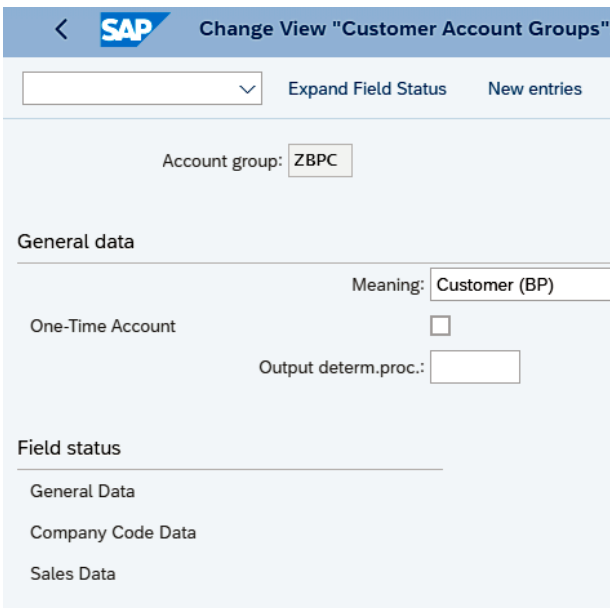


Figure 2.3: Characteristic of customer account group “ZBPC”

Subsequently, a new number range, as shown in Figure 2.4, with external number assignment has to be defined under, FINANCIAL ACCOUNTING • ACCOUNTS RECEIVABLE AND ACCOUNTS PAYABLE • CUSTOMER ACCOUNTS • MASTER DATA • PREPARATION FOR CREATING CUSTOMER MASTER DATA • CREATE NUMBER RANGES FOR COSTUMER ACCOUNTS. Please make sure that this number range is not already assigned to vendors and business partners.

No	From No.	To Number	NR Status	Ext
99	0000200000	0000299999	0	<input checked="" type="checkbox"/>

Figure 2.4: Number range for new customer account group

Finally, the new number range is assigned to the new customer account group. The assignment is made via, FINANCIAL ACCOUNTING • ACCOUNTS RECEIVABLE AND ACCOUNTS PAYABLE • CUSTOMER ACCOUNTS • MASTER DATA • PREPARATION FOR CREATING CUSTOMER MASTER DATA • ASSIGN NUMBER RANGES TO CUSTOMER ACCOUNT GROUPS (see Figure 2.5).

Group	Name	Number range
ZBPC	Customer (BP)	99

Figure 2.5: Number range/customer account group assignment

### 2.1.2 Vendors (Accounts Payable)

Proceed in the same way for vendors. Here too, a new account group has to be set up and defined under, FINANCIAL ACCOUNTING • ACCOUNTS RECEIVABLE AND ACCOUNTS PAYABLE • VENDOR ACCOUNTS • MASTER DATA • PREPARATION FOR CREATING VENDOR MASTER DATA • DEFINE ACCOUNT GROUPS WITH SCREEN LAYOUT (VENDOR) (see Figure 2.6 and Figure 2.7).

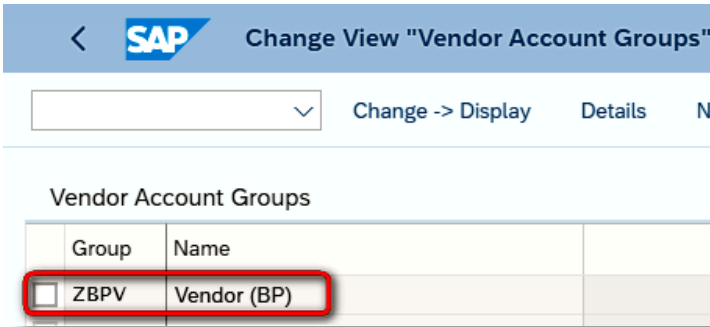


Figure 2.6: New vendor account group “ZBPV”

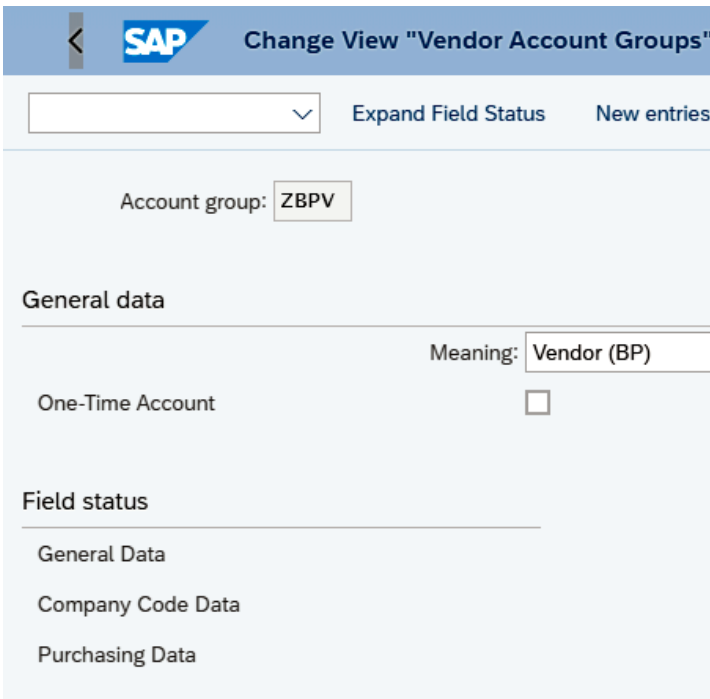


Figure 2.7: Characteristic of vendor account group “ZBPV”

Subsequently, you also create a new number range with external number assignment under, FINANCIAL ACCOUNTING • ACCOUNTS RECEIVABLE AND ACCOUNTS PAYABLE • VENDOR ACCOUNTS • MASTER DATA • PREPARATION FOR CREATING VENDOR MASTER DATA • CREATE NUMBER RANGES FOR VENDOR ACCOUNTS, which corresponds to that of the customer as shown in Figure 2.8.



No	From No.	To Number	NR Status	Ext
99	0000200000	0000299999	0	<input checked="" type="checkbox"/>

Figure 2.8: Number range for new vendor account group

This number range is now again assigned to the new vendor account group via, FINANCIAL ACCOUNTING • ACCOUNTS RECEIVABLE AND ACCOUNTS PAYABLE • VENDOR ACCOUNTS • MASTER DATA • PREPARATION FOR CREATING VENDOR MASTER DATA • ASSIGN NUMBER RANGES TO VENDOR ACCOUNT GROUPS (see Figure 2.9).

Group	Name	Number range
ZBPV	Vendor (BP)	99

Figure 2.9: Assignment of number range to vendor account group

### 2.1.3 Business Partner

As a further step, a new number range is also set up in Customizing for the SAP Business Partner, this time with internal number assignment. This number range is then assigned to a new grouping that has also been created. This is done as shown in Figure 2.10 in Customizing under, CROSS-APPLICATION COMPONENTS • SAP BUSINESS PARTNER • BUSINESS PARTNER • BASIC SETTINGS • NUMBER RANGES AND GROUPINGS • DEFINE NUMBER RANGES and under CROSS-APPLICATION COMPONENTS • SAP BUSINESS PARTNER • BUSINESS PARTNER • BASIC SETTINGS • NUMBER RANGES AND GROUPINGS • DEFINE GROUPINGS AND ASSIGN NUMBER RANGES (see Figure 2.11).

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