

2114353 - BAPI_PO_CREATE1: Template for creating service PO

Version	8	Type	SAP Knowledge Base Article
Language	English	Master Language	English
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Component	MM-SRV-BPI (BAPIs)	Released On	2021.02.04

Please find the original document at <https://launchpad.support.sap.com/#/notes/2114353>

Symptom

You have various problems when create the service/limit POs with BAPI_PO_CREATE1. This KBA provide you with the sample test records for the PO listed below:

1. [PO with one service line + single account assignment.](#)
2. [PO with one service line + multiple account assignment.](#)
3. [PO with limit data + single account assignment.](#)
4. [PO with reference to contract.](#)
5. [PO with reference to PR.](#)
6. [PO with invoice plan data.](#)
7. [PO with multiple service lines + single account assignment](#)
8. [PO with one service line + single account assignment + service long text/service line long text](#)

Environment

- Materials Management (MM)
- SAP ERP Central Component
- SAP ERP
- SAP enhancement package for SAP ERP
- SAP enhancement package for SAP ERP, version for SAP HANA
- SAP S/4HANA

Resolution

Please fill the parameters and the tables according to the following model.

1. PO with one service line + single account assignment.

1.1 POHEADER

```

COMP_CODE      = 1000
DOC_TYPE       = NB
VENDOR         = 0000001000
PURCH_ORG      = 1000
PUR_GROUP      = 001
CURRENCY       = EUR

```

1.2 POHEADERX

```

PO_NUMBER      = X
COMP_CODE      = X
DOC_TYPE       = X
VENDOR         = X

```

PURCH_ORG = X
 PUR_GROUP = X
 CURRENCY = X

1.3 POITEM

PO_ITEM = 00010
 SHORT_TEXT = SERVICE PO SAMPLE
 PLANT = 1000
 MATL_GROUP = 001
 ITEM_CAT = 9
 ACCTASSCAT = K
 PCKG_NO = 0000000001

1.4 POITEMX

PO_ITEM = 00010
 PO_ITEMX = X
 SHORT_TEXT = X
 PLANT = X
 MATL_GROUP = X
 ITEM_CAT = X
 ACCTASSCAT = X
 PCKG_NO = X

1.5 POACCOUNT

PO_ITEM = 00010
 SERIAL_NO = 01
 GL_ACCOUNT = 0000400000
 COSTCENTER = 0000001000

1.6 POACCOUNTX

PO_ITEM = 00010
 SERIAL_NO = 01
 PO_ITEMX = X
 SERIAL_NOX = X
 GL_ACCOUNT = X
 COSTCENTER = X

1.7 POSERVICES

1.7.1 First entry

PCKG_NO = 0000000001
 LINE_NO = 0000000001
 OUTL_LEVEL = 0
 OUTL_IND = X
 SUBPCKG_NO = 0000000002

1.7.2 Second entry

PCKG_NO = 0000000002
 LINE_NO = 0000000002
 EXT_LINE = 0000000010
 OUTL_LEVEL = 0
 QUANTITY = 10
 BASE_UOM = EA
 GR_PRICE = 10

SHORT_TEXT = SERVICE LINE 10

1.8 POSRVACCESSVALUES

PCKG_NO = 0000000002
 LINE_NO = 0000000002
 SERNO_LINE = 01
 PERCENTAGE = 100
 SERIAL_NO = 01

2. PO with one service line + multiple account assignment.

2.1 POHEADER

Same as 1.1.

2.2 POHEADERX

Same as 1.2.

2.3 POITEM

Same as 1.3.

2.4 POITEMX

Same as 1.4.

2.5 POACCOUNT

2.5.1 First entry

PO_ITEM = 00010
 SERIAL_NO = 01
 GL_ACCOUNT = 0000400000
 COSTCENTER = 0000001000

2.5.2 Second entry

PO_ITEM = 00010
 SERIAL_NO = 02
 GL_ACCOUNT = 0000400000
 COSTCENTER = 0000001200

2.6 POACCOUNTX

2.6.1 First entry

PO_ITEM = 00010
 SERIAL_NO = 01
 PO_ITEMX = X
 SERIAL_NOX = X
 GL_ACCOUNT = X
 COSTCENTER = X

2.6.2 Second entry

PO_ITEM = 00010
 SERIAL_NO = 02
 PO_ITEMX = X
 SERIAL_NOX = X
 GL_ACCOUNT = X
 COSTCENTER = X

2.7 POSERVICES

2.7.1 First entry

PCKG_NO	= 0000000001
LINE_NO	= 0000000001
OUTL_LEVEL	= 0
OUTL_IND	= X
SUBPCKG_NO	= 0000000002

2.7.2 Second entry

PCKG_NO	= 0000000002
LINE_NO	= 0000000002
EXT_LINE	= 0000000010
OUTL_LEVEL	= 0
QUANTITY	= 10
BASE_UOM	= EA
GR_PRICE	= 10
SHORT_TEXT	= SERVICE LINE 10
DISTRIB	= 2

2.8 POSRVACCESSVALUES

2.8.1 First entry

PCKG_NO	= 0000000002
LINE_NO	= 0000000002
SERNO_LINE	= 01
PERCENTAGE	= 40
SERIAL_NO	= 01

2.8.2 Second entry

PCKG_NO	= 0000000002
LINE_NO	= 0000000002
SERNO_LINE	= 02
PERCENTAGE	= 60
SERIAL_NO	= 02

3. PO with limit data + single account assignment.

3.1 POHEADER

Same as 1.1.

3.2 POHEADERX

Same as 1.2.

3.3 POITEM

Same as 1.3.

3.4 POITEMX

Same as 1.3.

3.5 POACCOUNT

Same as 1.5.

3.6 POACCOUNTX

Same as 1.6.

3.7 POLIMITS

PCKG_NO	= 0000000001
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LIMIT = 1000
 EXP_VALUE = 1000

3.8 POSRVACCESSVALUES

PCKG_NO = 0000000001
 LINE_NO = 0
 SERNO_LINE = 01
 PERCENTAGE = 100
 SERIAL_NO = 01

4. PO with reference to contract.

4.1 POHEADER

Same as 1.1.

4.2 POHEADERX

Same as 1.2.

4.3 POITEM

PO_ITEM = 00010
 SHORT_TEXT = SAMPLE PO WITH REFERENCE TO CONTRACT
 PLANT = 1000
 MATL_GROUP = 001
 ITEM_CAT = 9
 ACCTASSCAT = K
 AGREEMENT = 4600011770
 AGMT_ITEM = 00010
 PCKG_NO = 0000000001

4.4 POITEMX

PO_ITEM = 00010
 PO_ITEMX = X
 SHORT_TEXT = X
 PLANT = X
 MATL_GROUP = X
 ITEM_CAT = X
 ACCTASSCAT = X
 AGREEMENT = X
 AGMT_ITEM = X
 PCKG_NO = X

4.5 POACCOUNT

Same as 1.5.

4.6 POACCOUNTX

Same as 1.6.

4.7 POSERVICES

4.7.1 First entry

PCKG_NO = 0000000001
 LINE_NO = 0000000001
 OUTL_LEVEL = 0
 OUTL_IND = X
 SUBPCKG_NO = 0000000002

4.7.2 Second entry

PCKG_NO	= 0000000002
LINE_NO	= 0000000002
EXT_LINE	= 0000000010
OUTL_LEVEL	= 0
QUANTITY	= 10
BASE_UOM	= EA
GR_PRICE	= 10
SHORT_TEXT	= SERVICE LINE 10
PLN_PCKG	= 0100344460(the PACKNO of the reference service line in contract)
PLN_LINE	= 0000000002(the INTROW of the reference service line in contract)
CON_PCKG	= 0100344460(the PACKNO of the reference service line in contract)
CON_LINE	= 0000000002(the INTROW of the reference service line in contract)

4.8 POSRVACCESSVALUES

Same as 1.8.

5. PO with reference to PR.

5.1 POHEADER

Same as 1.1.

5.2 POHEADERX

Same as 1.2.

5.3 POITEM

PO_ITEM	= 00010
SHORT_TEXT	= SAMPLE PO WITH REFERENCE TO PR
PLANT	= 1000
MATL_GROUP	= 001
ITEM_CAT	= 9
ACCTASSCAT	= K
PREQ_NO	= 0010059689
PREQ_ITEM	= 00010
PCKG_NO	= 0000000001

5.4 POITEMX

PO_ITEM	= 00010
PO_ITEMX	= X
SHORT_TEXT	= X
PLANT	= X
MATL_GROUP	= X
ITEM_CAT	= X
ACCTASSCAT	= X
PREQ_NO	= X
PREQ_ITEM	= X
PCKG_NO	= X

5.5 POACCOUNT

Same as 1.5.

5.6 POACCOUNTX

Same as 1.6.

5.7 POSERVICES

5.7.1 First entry

PCKG_NO = 0000000001
 LINE_NO = 0000000001
 OUTL_LEVEL = 0
 OUTL_IND = X
 SUBPCKG_NO = 0000000002

5.7.2 Second entry

PCKG_NO = 0000000002
 LINE_NO = 0000000002
 EXT_LINE = 0000000010
 OUTL_LEVEL = 0
 QUANTITY = 10
 BASE_UOM = EA
 GR_PRICE = 10
 SHORT_TEXT = SERVICE LINE 10
 PLN_PCKG = 0100344466(the PACKNO of the reference service
 = line in PR)
 PLN_LINE = 0000000002(the INTROW of the reference service line
 = in PR)

5.8 POSRVACCESSVALUES

Same as 1.8.

6. PO with invoice plan data.

6.1 POHEADER

Same as 1.1.

6.2 POHEADERX

Same as 1.2.

6.3 POITEM

PO_ITEM = 00010
 SHORT_TEXT = SAMPLE PO WITH PARTIAL INVOICE PLAN
 = DATA
 PLANT = 1000
 MATL_GROUP = 001
 ITEM_CAT = 9
 ACCTASSCAT = K
 GR_IND = X
 GR_NON_VAL = X
 PCKG_NO = 0000000001

6.4 POITEMX

PO_ITEM = 00010
 PO_ITEMX = X

SHORT_TEXT	= X
PLANT	= X
MATL_GROUP	= X
ITEM_CAT	= X
ACCTASSCAT	= X
GR_IND	= X
GR_NON_VAL	= X
GR_BASEDIV	= X
PCKG_NO	= X
SRV_BASED_IV	= X

6.5 POACCOUNT

Same as 1.6.

6.6 POACCOUNTX

Same as 1.6.

6.7 POSERVICES

Same as 1.7.

6.8 POSRVACCESSVALUES

Same as 1.8.

6.9 INVPLANHEADER

DOC_ITEM	= 00010
CATEGORY	= B
IP_TYPE	= 20
DATES_FROM	= 20150101
IN_ADVANCE	= X
DATES_TO	= 20151231
AUTO_COR_DAT	= X

6.10 INVPLANHEADERX

DOC_ITEM	= 00010
CATEGORY	= X
IP_TYPE	= X
DATES_FROM	= X
IN_ADVANCE	= X
DATES_TO	= X
AUTO_COR_DAT	= X

6.11 INVPLANITEM

DOC_ITEM	= 00010
DATE_CATG	= T1
DATE_DESC	= 1
SETT_DATE_FROM	= 20150101
INVOICE_PERCENTAGE	= 100
CURRENCY	= EUR
BILL_VALUE	= 100
SETT_DATE_TO	= 20150101
BILL_DATE	= 20150101

6.12 INVPLANITEMX

DOC_ITEM	= 00010
DATE_CATG	= X
DATE_DESC	= X
SETT_DATE_FROM	= X
INVOICE_PERCENTAGE	= X
CURRENCY	= X
BILL_VALUE	= X
SETT_DATE_TO	= X
BILL_DATE	= X

7. PO with multiple service lines + single account assignment

7.1 POHEADER

Same as 1.1.

7.2 POHEADERX

Same as 1.2.

7.3 POITEM

Same as 1.3.

7.4 POITEMX

Same as 1.4.

7.5 POACCOUNT

Same as 1.5.

7.6 POACCOUNTX

Same as 1.6.

7.7 POSERVICES

7.7.1 First entry

PCKG_NO	= 0000000001
LINE_NO	= 0000000001
OUTL_LEVEL	= 0
OUTL_IND	= X
SUBPCKG_NO	= 0000000002

7.7.2 Second entry

PCKG_NO	= 0000000002
LINE_NO	= 0000000002
EXT_LINE	= 0000000010
OUTL_LEVEL	= 0
QUANTITY	= 10
BASE_UOM	= EA
GR_PRICE	= 10
SHORT_TEXT	= SERVICE LINE 10

7.7.3 Third entry

PCKG_NO	= 0000000002
LINE_NO	= 0000000003
EXT_LINE	= 0000000020
OUTL_LEVEL	= 0
QUANTITY	= 10

BASE_UOM = EA
 GR_PRICE = 10
 SHORT_TEXT = SERVICE LINE 20

7.8 POSRVACCESSVALUES

7.8.1 First entry

PCKG_NO = 0000000002
 LINE_NO = 0000000002
 SERNO_LINE = 01
 PERCENTAGE = 100
 SERIAL_NO = 01

7.8.2 Second entry

PCKG_NO = 0000000002
 LINE_NO = 0000000003
 SERNO_LINE = 01
 PERCENTAGE = 100
 SERIAL_NO = 01

8. PO with one service line + single account assignment + service long text/service line long text

8.1 POHEADER

COMP_CODE = 1000
 DOC_TYPE = NB
 VENDOR = 1000
 PURCH_ORG = 1000
 PUR_GROUP = 1
 CURRENCY = EUR

8.2 POHEADERX

PO_NUMBER = X
 COMP_CODE = X
 DOC_TYPE = X
 VENDOR = X
 PURCH_ORG = X
 PUR_GROUP = X
 CURRENCY = X

8.3 POITEM

PO_ITEM = 00010
 SHORT_TEXT = SERVICE PO SAMPLE
 PLANT = 1000
 MATL_GROUP = 01
 ITEM_CAT = 9
 ACCTASSCAT = K
 PCKG_NO = 0000000001

8.4 POITEMX

PO_ITEM = 00010
 PO_ITEMX = X
 SHORT_TEXT = X

PLANT	= X
MATL_GROUP	= X
ITEM_CAT	= X
ACCTASSCAT	= X
PCKG_NO	= X

8.5 POACCOUNT

PO_ITEM	= 00010
SERIAL_NO	= 1
GL_ACCOUNT	= 400000
COSTCENTER	= 1000

8.6 POACCOUNTX

PO_ITEM	= 00010
SERIAL_NO	= 1
PO_ITEMX	= X
SERIAL_NOX	= X
GL_ACCOUNT	= X
COSTCENTER	= X

8.7 POSERVICES

8.7.1 First entry

PCKG_NO	= 0000000001
LINE_NO	= 0000000001
OUTL_LEVEL	= 0
OUTL_IND	= X
SUBPCKG_NO	= 0000000002

8.7.2 Second entry

PCKG_NO	= 0000000002
LINE_NO	= 0000000002
EXT_LINE	= 0000000010
OUTL_LEVEL	= 0
QUANTITY	= 10
BASE_UOM	= EA
GR_PRICE	= 10
SHORT_TEXT	= SERVICE LINE 10

8.8 POSRVACCESSVALUES

PCKG_NO	= 0000000002
LINE_NO	= 0000000002
SERNO_LINE	= 01
PERCENTAGE	= 100
SERIAL_NO	= 01

8.9 POSERVICESTEXT

8.9.1 First entry

PCKG_NO	= 0000000002
LINE_NO	= 0000000002

TEXT_ID	=	LLTX
FORMAT_COL	=	*
TEXT_LINE	=	THIS IS THE SERVICE LONG TEXT

8.9.2 Second entry

PCKG_NO	=	0000000002
LINE_NO	=	0000000002
TEXT_ID	=	LTXT
FORMAT_COL	=	*
TEXT_LINE	=	THIS IS THE SERVICE LINES LONGTEXT

Keywords

sample, template, Specimen, ME21N, SE 029, 06 436, SE 518, how to, SE001

Products

SAP ERP Central Component all versions

SAP ERP all versions

SAP S/4HANA all versions

SAP enhancement package for SAP ERP all versions

SAP enhancement package for SAP ERP, version for SAP HANA all versions

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