

Multiple Price for One Line Item in RFX



Applies to:

SRM5.0, SRM 7.0. For more information, visit the [Supplier Relationship Management homepage](#).

Summary

In sourcing, we may need the supplier to provide the multiple prices for one line item based on the incoterms. For this requirement, we can create one line items for one incoterm in RFX, we can also create one line item for multiple incoterms in RFX. This time, I will introduce the solution of one line item for multiple incoterms in RFX.

We will use the location-dependent condition function to enable this solution.

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Author Bio



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The configuration as below

1. Define the condition type

IMG: SAP Supplier Relationship Management >Cross-Application Basic Settings>Pricing>Process Condition Types

Change View "Conditions: Condition Types": Overview

Application:
Usage:

CCTC	Condition Type	Condition class	Calculation Type	Source system
ZA00	Surcharge % on Net	A Discount or Su...	A Percentage	B Source: Local
ZA01	Surcharge % on Gross	A Discount or Su...	A Percentage	B Source: Local
ZA02	Warranty	A Discount or Su...	A Percentage	B Source: Local
ZAH1	Hdr Surcharge(%)Grs	A Discount or Su...	A Percentage	B Source: Local
ZB00	Surcharge (Absolute)	A Discount or Su...	B Fixed Amo...	B Source: Local
ZC00	Surcharge/Quantity	A Discount or Su...	C Quantity	B Source: Local
ZDDP	DDP Price	B Prices	C Quantity	B Source: Local
ZDDU	DDU Price	B Prices	C Quantity	B Source: Local
ZEXW	EXW Price	B Prices	C Quantity	B Source: Local
ZFA1	Freight %	A Discount or Su...	A Percentage	B Source: Local
ZFA2	Freight Prov. (%)	A Discount or Su...	A Percentage	B Source: Local
ZFB1	Freight (Value)	A Discount or Su...	B Fixed Amo...	B Source: Local
ZFB2	Freight Prov.(Value)	A Discount or Su...	B Fixed Amo...	B Source: Local
ZFC1	Freight/Quantity	A Discount or Su...	C Quantity	B Source: Local
ZFC2	Freight/Qty Prov.	A Discount or Su...	C Quantity	B Source: Local
ZFCA	FCA Price	B Prices	C Quantity	B Source: Local
ZFOB	FOB Price	B Prices	C Quantity	B Source: Local
ZL01	Vendor Discount %	A Discount or Su...	A Percentage	B Source: Local
ZM00	Minimum Qty (Amount)	A Discount or Su...	C Quantity	B Source: Local
ZM01	Minimum Quantity (%)	A Discount or Su...	A Percentage	B Source: Local
ZMIN	(Service)Min.Charges	B Prices	B Fixed Amo...	B Source: Local

2. Process Condition Groups for RFX, work area: 01QU

IMG: SAP Supplier Relationship Management >Cross-Application Basic Settings>Pricing>Process Condition Group

Change View "Condition Maintenance Group: Detail": Overview

MaintenanceGrp:

Counter	Ap...	U...	Conditio...	Con...	Description: Entry in Cond. Maint. Gr...	Data Source System
1	BBP	PR	SAP016	0100	Price (Old)	B Source: Local
5	BBP	PR	SAP016	01CT	Contract	B Source: Local
7	BBP	PR	SAP068	01CT	Contract	B Source: Local
10	BBP	PR	SAP016	01RA	Absolute Discount	B Source: Local
12	BBP	PR	SAP068	01RA	Absolute Discount	B Source: Local
15	BBP	PR	SAP016	01RP	Percentage Discount	B Source: Local
17	BBP	PR	SAP068	01RP	Percentage Discount	B Source: Local
20	BBP	PR	SAP068	ZDDP	DDP Price	B Source: Local
30	BBP	PR	SAP068	ZDDU	DDU Price	B Source: Local
40	BBP	PR	SAP068	ZEXW	EXW Price	B Source: Local
50	BBP	PR	SAP068	ZFCA	FCA Price	B Source: Local
60	BBP	PR	SAP068	ZFOB	FOB Price	B Source: Local

3. Process Condition Groups for Contract, work area: 0100

IMG: SAP Supplier Relationship Management > Cross-Application Basic Settings > Pricing > Process Condition Group

Change View "Condition Maintenance Group: Detail": Overview

MaintenanceGrp 0100

Counter	Ap...	U...	Conditio...	Con...	Description: Entry in Cond. Maint. Gr...	Data Source System
1	BBP	PR	SAP016	0100	Price (Old)	
5	BBP	PR	SAP016	01CT	Contract	
7	BBP	PR	SAP068	01CT	Contract	
10	BBP	PR	SAP016	01RA	Absolute discount	
14	BBP	PR	SAP016	Z000	Percentage Discount Net	B Source: Local
15	BBP	PR	SAP016	01RP	Percentage Discount	
20	BBP	PR	SAP068	ZDDP	DDP Price	B Source: Local
30	BBP	PR	SAP068	ZDDU	DDU Price	B Source: Local
40	BBP	PR	SAP068	ZEXW	EXW Price	B Source: Local
50	BBP	PR	SAP068	ZFCA	FCA Price	B Source: Local
60	BBP	PR	SAP068	ZFOB	FOB Price	B Source: Local
70	BBP	PR	SAP016	ZA00	Percentage Surcharge Net	B Source: Local
71	BBP	PR	SAP016	ZA01	Percentage Surcharge Gross	B Source: Local
72	BBP	PR	SAP016	ZA02	Warranty	B Source: Local
80	BBP	PR	SAP016	ZB00	Absolute surcharge	B Source: Local
90	BBP	PR	SAP016	ZFA1	Freight %	B Source: Local
91	BBP	PR	SAP016	ZFB1	Freight (Value)	B Source: Local
92	BBP	PR	SAP016	ZFC1	Freight/Quantity	B Source: Local
100	BBP	PR	SAP016	ZRE1	Neutral % Accruals	B Source: Local
101	BBP	PR	SAP016	ZRB1	Neutr.Accruals(Val.)	B Source: Local
102	BBP	PR	SAP016	ZRC1	Neutral Accruals/Qty	B Source: Local
110	BBP	PR	SAP016	ZOA1	Custom %	B Source: Local

4. Configure Number Range for and Groupings for the Incoterm-locations

IMG:SAP Implementation Guide > Cross-Application Components > SAP Business Partner > Business Partner > Basic Settings > Number Ranges and Groupings > Define Number Ranges

Display Number Range Intervals

NR Object Business partner

No.	From number	To number	Current number	Ext
01	0000000001	0000099999	700	<input type="checkbox"/>
04	4000000000	9999999999	4000028979	<input type="checkbox"/>
AB	AAAA	QQQQ		<input checked="" type="checkbox"/>

5. Assign the number range to grouping

IMG:SAP Implementation Guide > Cross-Application Components> SAP Business Partner> Business Partner> Basic Settings> Number Ranges and Groupings> Define Groupings and Assign Number Ranges

Grouping	Short name	Description	Number ran.	External	Int.Std.Grpng	Ext.Std.Grp
MDMO			MD	<input type="checkbox"/>		
ZLOC	Location4Incote	Location for Incoterm	AB	<input checked="" type="checkbox"/>		

6. Because in SRM, the location is internal number range, we had to customize the program to create external incoterm-location, reference coding as below.

Selection

Business partner: FOB

Name: FOB LOCATION

reference coding as below.

```

FUNCTION ZEBP_LOCATION_CREATE .
* " -----
* " "Local Interface:
* " IMPORTING
* "   VALUE(IV_PARTNER) TYPE BU_PARTNER OPTIONAL
* "   VALUE(IV_LOGSYS) TYPE LOGSYS
* "   VALUE(IV_PLANT) TYPE BBP_LOCATION
* "   VALUE(IV_COMPANY_CODE) TYPE BBP_COMPANY_CODE OPTIONAL
* "   VALUE(IV_COMPANY) TYPE BBP_COMPANY OPTIONAL
* "   VALUE(IV_X_COMMIT_EXTERNAL) TYPE XFELD DEFAULT SPACE
* "   VALUE(IS_DATA_CENTRAL) TYPE BAPIBUS1006_CENTRAL
* "   VALUE(IS_DATA_ORGAN) TYPE BAPIBUS1006_CENTRAL_ORGAN
* "   VALUE(IS_ADDRESS) TYPE BAPIBUS1006_ADDRESS
* " EXPORTING
* "   VALUE(EV_PARTNER) TYPE BU_PARTNER
* "   VALUE(EV_PARTNER_GUID) TYPE BU_PARTNER_GUID
* " TABLES
* "   IT_ADEL STRUCTURE BAPIADEL
* "   IT_ADFAX STRUCTURE BAPIADDFAX
* "   IT_ADSMTP STRUCTURE BAPIADSMTP
* "   ET_RETURN STRUCTURE BAPIRET2
* " -----
DATA: LT_RETURN          TYPE STANDARD TABLE OF BAPIRET2,
      LS_RETURN          TYPE BAPIRET2,
      LV_PARTNER         TYPE BU_PARTNER,
      LV_PARTNER_GUID   TYPE BU_PARTNER_GUID,

```

```

      LS_LOCATION      TYPE BBP_LOCMAP,
      LT_LOCATION_INS TYPE BBPT_LOCMAP.
REFRESH ET_RETURN.
CALL FUNCTION 'BUPA_CREATE_FROM_DATA'
  EXPORTING
    IV_PARTNER      = IV_PARTNER
    IV_CATEGORY     = '2'
    IV_GROUP        = 'ZLOC'
    IS_DATA         = IS_DATA_CENTRAL
    IS_DATA_ORGAN   = IS_DATA_ORGAN
    IS_ADDRESS      = IS_ADDRESS
  IMPORTING
    EV_PARTNER      = LV_PARTNER
    EV_PARTNER_GUID = LV_PARTNER_GUID
  TABLES
    IT_ADETEL       = IT_ADETEL
    IT_ADFAX        = IT_ADFAX
    IT_ADSMTP       = IT_ADSMTP
    ET_RETURN       = LT_RETURN.
LOOP AT LT_RETURN INTO LS_RETURN WHERE TYPE EQ 'E' OR TYPE EQ 'A'.
  APPEND LS_RETURN TO ET_RETURN.
ENDLOOP.
IF NOT ET_RETURN[] IS INITIAL OR LV_PARTNER IS INITIAL.
  IF IV_X_COMMIT_EXTERNAL IS INITIAL.
    CALL FUNCTION 'BAPI_TRANSACTION_ROLLBACK'.
  ENDIF.
  EXIT.
ENDIF.
CALL FUNCTION 'BUPA_ROLE_ADD_2'
  EXPORTING
    IV_PARTNER      = LV_PARTNER
    IV_PARTNER_GUID = LV_PARTNER_GUID
    IV_PARTNERROLECATEGORY = 'BBP003'
  TABLES
    ET_RETURN       = LT_RETURN.
LOOP AT LT_RETURN INTO LS_RETURN WHERE TYPE EQ 'E' OR TYPE EQ 'A'.
  APPEND LS_RETURN TO ET_RETURN.
ENDLOOP.
IF NOT ET_RETURN[] IS INITIAL.
  IF IV_X_COMMIT_EXTERNAL IS INITIAL.
    CALL FUNCTION 'BAPI_TRANSACTION_ROLLBACK'.
  ENDIF.
  EXIT.
ENDIF.
MOVE IV_LOGSYS      TO LS_LOCATION-LOGSYS.
MOVE IV_PLANT       TO LS_LOCATION-EXT_LOCNO.
MOVE IV_COMPANY_CODE TO LS_LOCATION-COMPANY_CODE.
MOVE IV_COMPANY     TO LS_LOCATION-COMPANY.
MOVE LV_PARTNER     TO LS_LOCATION-PARTNER_NO.
APPEND LS_LOCATION TO LT_LOCATION_INS.
CALL FUNCTION 'BBP_LOCATION_DB_UPDATE'
  EXPORTING
    IV_X_COMMIT_EXTERNAL = IV_X_COMMIT_EXTERNAL
  TABLES
    IT_LOCATION_INS      = LT_LOCATION_INS.

```

```
IF IV_X_COMMIT_EXTERNAL IS INITIAL.  
  CALL FUNCTION 'BAPI_TRANSACTION_COMMIT'  
    EXPORTING  
      WAIT          = 'X'.  
ENDIF.  
EV_PARTNER = LV_PARTNER.  
ENDFUNCTION.
```

- 7. In the shopping cart, when the user inputs the incoterm, the incoterm price will be copied into SC from contract according to the incoterm key.**

We need to use the BADI: BBP_DOC_CHANGE_BADI to enable this step.

The demo screen as below

1. Creating the RFx, and define the price as multiple based on incoterms in the line item level

The screenshot shows the SAP RFx Item Overview interface. At the top, there are navigation tabs: RFX Information, Bidders, Items, Notes and Attachments, Conditions, Weights and Scores, Approval, and Tracking. The 'Items' tab is active, showing a table of line items. Below the table, there is a detailed view for 'Item 0001 : WIRE JUMPER BLUE/WHITE 0.5MM'. The 'Conditions' sub-tab is selected, displaying a table of conditions with columns for Condition Type, Scales, Valid From, Location, Valid To, and Location Name.

Line Number	Item Type	Product ID	Description	Lot	Product Category	Revision Level	Quantity	Unit	Currency	Delivery Date	Notes	Attachments
0001	Material	1000000008	WIRE JUMPER BLUE/WHITE 0.5MM		26121517		2,000	M	MYR	30.01.2011	0	0
							0.000		MYR		0	0
							0.000		MYR		0	0
							0.000		MYR		0	0
							0.000		MYR		0	0
							0.000		MYR		0	0
							0.000		MYR		0	0
							0.000		MYR		0	0
							0.000		MYR		0	0

Condition Type	Scales	Valid From	Location	Valid To	Location Name
FOB Price Location-Dependent		25.10.2010	FOB	31.12.9999	FOB PRICE
DDP Price Location-Dependent		25.10.2010	DDP	31.12.9999	DDP PRICE
DDU Price Location-Dependent		25.10.2010	DDU	31.12.9999	DDU PRICE
EXW Price Location-Dependent		25.10.2010	EXW	31.12.9999	EXW PRICE

The Supplier inputs the price for each incoterm in one line item of RFx response

The screenshot shows the 'Details for item 0001 BELAC - UAT - Material 2' interface. The 'Conditions' tab is active, displaying a table of conditions. The 'Amount' column for the 'DDP Price Location-Dependent' condition is highlighted with a red box, showing the value 800.00.

Condition Type	Scales	Amount	Currency
DDP Price Location-Dependent		800.00	Malaysian Ringgit

2. The multiple incoterm prices will be copied into contract

When creating the contract reference to the RFx award, the incoterm price of each line item will be copied into contract, and it is standard.

Change Global Contract

Contract Number: 3400002414 | Contract Name: Contract Del notebook | Contract Type: Global Contract | Status: Saved | Supplier: 1101212 DELL | Contract Owner: 4000003052 Jamal Bin Hassan

Close | Read Only | Release | Save | Check | Send E-Mail | Print Preview | Export | Import | Delete | System Info | Create Memory Snapshot

Overview | Header | **Items** | Notes and Attachments | Conditions | Authorization | Approval | Tracking

▼ Items

Details | Select | Add Item | Copy | Paste | Duplicate | Delete | Assign Distribution

Line Number	Item Category	Item Number	Main Service Description	Product ID	Description	Product Category	Target Quantity	Unit	Target Value	Price	Currency	Price Per	Price Unit	Reference Item Number	Distribution
1	Normal	1		1000000008	WIRE JUMPER BLUE/WHITE 0.5MM	26121517	2,000	M	0.00	See Conditions	MYR	0	H	0	<input checked="" type="checkbox"/>
	Normal						0.000		0.00	0.00	MYR	0		0000000000	
	Normal						0.000		0.00	0.00	MYR	0		0000000000	
	Normal						0.000		0.00	0.00	MYR	0		0000000000	
	Normal						0.000		0.00	0.00	MYR	0		0000000000	
	Normal						0.000		0.00	0.00	MYR	0		0000000000	
	Normal						0.000		0.00	0.00	MYR	0		0000000000	
	Normal						0.000		0.00	0.00	MYR	0		0000000000	
	Normal						0.000		0.00	0.00	MYR	0		0000000000	
	Normal						0.000		0.00	0.00	MYR	0		0000000000	

Details for Selected Item 1: WIRE JUMPER BLUE/WHITE 0.5MM

General Data | **Conditions** | Notes and Attachments | Distribution | Release | Approval Preview

▼ Conditions

Add Condition | Scales | Duplicate | Remove

Condition Type	Sca...	Am...	Currency	Price Per	Price U...	Valid From	Location	Val...	Location Nam
DDP Price Location-Dependent		200.00	MYR	1	M	25.10.2009	DDP		31.12.9 DDP PRICE
DDU Price Location-Dependent		209.00	MYR	1	M	25.10.2009	DDU		31.12.9 DDU PRICE
EXW Price Location-Dependent		196.00	MYR	1	M	25.10.2009	EXW		31.12.9 EXW PRICE
FOB Price Location-Dependent		210.00	MYR	1	M	25.10.2009	FOB		31.12.9 FOB PRICE

3. In Shopping cart, when entering the incoterm, system will capture the incoterm-price into shopping cart from contract

1 | 2 | 3 | 4

Select Goods/Service | **Shopping Cart (1 item)** | Complete and Order | Confirmation

Previous | Next | Close | Display | Save | Check | System Info | Create Memory Snapshot

Items in Shopping Cart

Details | Add Item | Copy | Paste | Duplicate | Delete | Process All Items

Line Number	Item Type	Product ID	Description	Product Category	Product Category Description	Quantity	Unit	Net Price / Limit	Per	Currency	Delivery Date	Notes	Attachments	Account Assignment
0001	Material	1000000008	WIRE JUMPER BLUE/WHITE 0.5MM	26121517	WIRE COPPER	100	M	1,000.00	1	MYR	25.10.2010	0	0	Cost Center (ZGGC03)
Total Value														
Tax amount														
Total Val. (Gross)														

Details for item 1 WIRE JUMPER BLUE/WHITE 0.5MM

Item Data | Account Assignment | Notes and Attachments | Delivery Address/Performance Location | Sources of Supply / Service Agents | Availability | Approval Process Overview | Related Documents

Identification

Item Type: Material

Product ID: 1000000008

Description: WIRE JUMPER BLUE/WHITE 0.5MM

Product Category: 26121517 WIRE COPPER

Order as Direct Material:

Company Code: 1000 Telekom Malaysia Berhad

Supplier Product Number:

Organization

Purchasing Group: A1D Wireless AccessTrans Show Members

Currency, Values, and Pricing

Order Quantity / Unit: 100 Meter

Price / Currency: 1,000.00 MYR Price Unit: 1

Tax / Amount: 0% 0.00 MYR

Service and Delivery

Delivery Date: 25.10.2010

Location / Plant: 252 TM Head Quarters

Storage Location:

Incoterm Key/Location: DDP KL

Goods Recipient: 4000027322 APPROVER_13

Related Content

For more information, visit the [Supplier Relationship Management homepage](#)

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