

Line Loop - Sample - How to check if items on Purchase Order has no Blanket Agreement

Summary	
Module	Universal functions
Level	Advanced (This presumes you have knowledge about line loop and validation)
Requirements	B1UP 2015.08 or higher

Description

This sample will show you how to check if the items you entered in the Purchase Order has Blanket Agreement.

Pre - Requisite

We will create a function on the Purchase Order for checking the items entered. This function button can be replaced by Add/Update button and assigned with the same Universal Function if preferred.

The screenshot displays two overlapping windows. The top window is titled 'Purchase Order' and contains fields for Supplier (V20000), Name (Lasercorn), Contact Person (Jimmy Miller), and various dates. A button labeled 'Check Blanket Agr...' is highlighted with a red box. The bottom window is titled 'Buttons - Configuration (v.2017.0.5.0) [920140]' and contains a table of button configurations. The table has columns for #, Caption, Function, Universal Function, Multi Button, Add, Find, and OK. Row 2 is highlighted with a red box and shows '2 Check Blanket Agreement' with 'Universal Function' and 'UF-368'. A red arrow points from this row to the 'Check Blanket Agr...' button in the Purchase Order window.

#	Caption	Function	Universal Function	Multi Button	Add	Find	OK
1	Copy to Preferred Vendor	Universal Function	UF-066		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Check Blanket Agreement	Universal Function	UF-368		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	Formatted Search				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Universal Functions

We will create a Universal Function of the type Line loop as below with a condition to check line-by-line of the items entered to see if it is in a Blank Agreement by the same supplier.

The screenshot shows the 'Universal Function Configuration' window for version v.2017.0.5.0. The configuration includes the following details:

- Code:** UF-368
- Name:** Check Blanket Agreement
- Type:** Line Loop
- Line item UID:** 38
- SQL Condition:**

```
IF(SELECT Count($[$38.1.0]) FROM POR1
WHERE $[$38.1.0] IN (
SELECT T0.[ItemCode]
FROM OAT1 T0 INNER JOIN OOAT T1 ON T0.[AgrNo] = T1.[AbsID]
WHERE T0.[ItemCode] = $[$38.1.0] AND T1.[BpCode] = $[$4.0.0] )
) = 0
BEGIN
SELECT 'NoAgrmt' FOR BROWSE
END
```
- Final result table:**

#	Result	First pass UF	Line UF	Final result value	Final result type	Break loop
1	NoAgrmt			Line \$[LINNUM]	Append	<input type="checkbox"/>

SQL Conditions

The SQL condition script is as below:

```
IF(SELECT Count($[$38.1.0]) FROM POR1
WHERE $[$38.1.0] IN (
SELECT T0.[ItemCode]
FROM OAT1 T0 INNER JOIN OOAT T1 ON T0.[AgrNo] = T1.[AbsID]
WHERE T0.[ItemCode] = $[$38.1.0] AND T1.[BpCode] = $[$4.0.0] )
) = 0
BEGIN
SELECT 'NoAgrmt' FOR BROWSE
END
```

B1 Usability Package Sample

Next we will create the Universal Function of a Message for PopUp message for user if our validation finds out that there are items that is not in the Blanket Agreement.

The screenshot shows the 'Universal Function Configuration' window. The 'Code' is 'UF-367', 'Name' is 'No Blanket Agreement', and 'Type' is 'Message'. The 'Message' field contains the text: '[The following lines have no Blanket Agreement: \${LLRESULT.STRING}]'. The 'Type' dropdown is set to 'Messagebox' and the 'Block event' checkbox is checked. Buttons for 'OK', 'Cancel', 'Import', and 'Export' are visible at the bottom.

The message is as follows, but of course you can change the wordings of the message.

The following lines have no Blanket Agreement: `${LLRESULT.STRING}`

Result

When user click Add/Update button, our system will check popup message when items are not in Blanket Agreement.

The screenshot shows two windows: 'Draft Purchase Blanket Agreement' and 'Purchase Order'. The 'Draft Purchase Blanket Agreement' window has a table with the following data:

#	Item No.	Item Descr...	Item Group	Planned ...	Unit Pr...	Cum...	Cum...	Ope...	Ope...	Free...	UoM...	UoM...	Item...	U...
1	A00001	IBM Infoprint	IBM Printers	100	110.00 \$			100	300.00 \$		Manual		1	Manu...
2	A00002	IBM Infoprint	IBM Printers	200	150.00 \$			200	300.00 \$		Manual		1	Manu...
3	A00003	IBM Infoprint	IBM Printers	250	170.00 \$			250	300.00 \$		Manual		1	Manu...
4														

The 'Purchase Order' window shows a table with the following data:

#	Item No.	BP Catalogue No.	Quantity	Unit Price	Disc...	VAT C...	Total (LC)
1	A00001		1	200.00 \$	0.000	NY	
2	A00002		1	100.00 \$	0.000	NY	
3	A00003		1	150.00 \$	0.000	NY	
4	A00004		1	250.00 \$	0.000	NY	
5	A00005		1	200.00 \$	0.000	NY	

A 'System Message' popup is displayed with the text: 'The following lines have no Blanket Agreement: [Line 4] [Line 5]'. A red arrow points from the message to lines 4 and 5 in the Purchase Order table.