

Line Loop – Samples – Automatically Check if Unit Price is Less than Item Cost

Summary	
Module	Universal functions
Level	Advanced
Requirements	B1UP 2015.08 or higher

Description

This sample will show you how to automatically checks if the Unit Price is less than the Item Cost in a Delivery Note. If yes, we will pop up a warning message and give user a choice to Add the document or block the event and make the necessary change.

B1 Validation Configuration

We will first create a Validation that triggers every time when user presses Add or Update.

The screenshot shows the 'B1 Validation Configuration' window for a validation named 'Check Unit Price v Item Cost'. The window is divided into several sections:

- Name:** Check Unit Price v Item Cost
- Users (Empty = All):** Includes users (selected)
- Trigger:**
 - Formtype: 140
 - Item: 1
 - FormMode: Add/Update
 - Event: Item Pressed [Click on buttons, ect.]
 - BeforeAction: True
 - ActionSuccess: Ignore
 - ItemChanged: Ignore
 - InnerEvent: Ignore
 - BubbleEvent: Ignore
 - CharPressed: [empty]
 - Prevent event looping:
- Condition:**
 - No condition, just execute function (UF-246)
 - Simple condition
 - SQL Condition
- Comments:** [empty text area]
- Active:**

At the bottom, there are buttons for 'OK', 'Cancel', 'Import', and 'Export'.

Universal Functions

Then in the 'No Condition' field, we will create a Line Loop that runs and checks every line.

Universal Function Configuration (v.2016.0.9.0) [920110]

Code: UF-246
 Name: Cost greater than Price Check
 Type: Line Loop
 Category: []

WARNING: Only recommended for advanced users - All support from Boyum IT A/S on Line Loop are considered "Premium" (paid) service!

Line item UID: 38
 Ignore last line
 Freeze during line loop
 Ignore text-lines/sub-totals (Docs only)
 Direction: First to last

No condition
 First pass UF: [] Line UF: [] Final result value / type: [] Overwrite: []
 Common SQL structures: []

SQL Condition
 IF(\$[38.259.NUMBER] > \$('[38.14.NUMBER]))
 BEGIN
 SELECT 'WARNING' FOR BROWSE
 END

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

Final result

#	Condition	Value Type	Compare type	Compare value	Universal Function
1	Execute if not empty	Result as string	Equal		UF-245

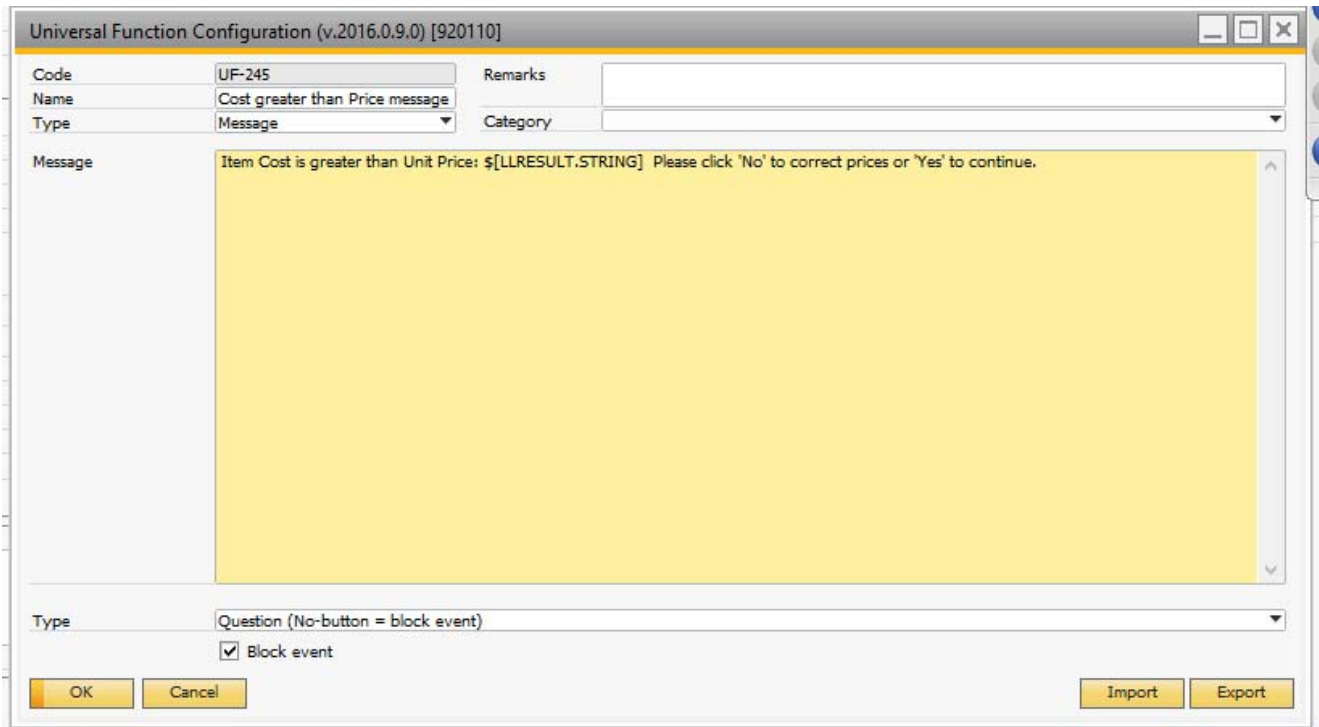
OK Cancel You can use \$[LLRESULT.STRING] or \$[LLRESULT.NUMBER] in the Final result UF Import Export

The SQL Condition for the Validation is as follows:

```
IF($[38.259.NUMBER] > $('[38.14.NUMBER]))
BEGIN
SELECT 'WARNING' FOR BROWSE
END
```

This condition checks line by line if the Item Cost is greater the Unit Price. If the condition is met, that is the Item Cost is greater than the Unit Price, that a message

Finally, we are creating the Universal Function pop up message as follows:



Result

When Delivery is being Added or Updated, system will runs the line loop and pops up warning message as below.

