

Line Loop – Samples – Automatically add a Freight-item if not present

Summary	
Module	Universal functions
Level	Advanced
Requirements	B1UP 3.6.0.0 or higher

Description

This sample will during add of a Sales order check the lines to ensure that a freight item is present and if not add it using a macro and shown a message to the user.

Requirement

An item called 'Freight'

The screenshot shows the 'Item Master Data' window with the following fields and values:

- Item Number: freight
- Description: Freight
- Desc. in Foreign Lang.: (empty)
- Item Type: Items
- Item Group: Items
- Price List: Basic Price List
- Unit Price: USD 10.00
- Inventory Item:
- Sales Item:
- Purchased Item:
- Fixed Assets:

B1 Validation Configuration

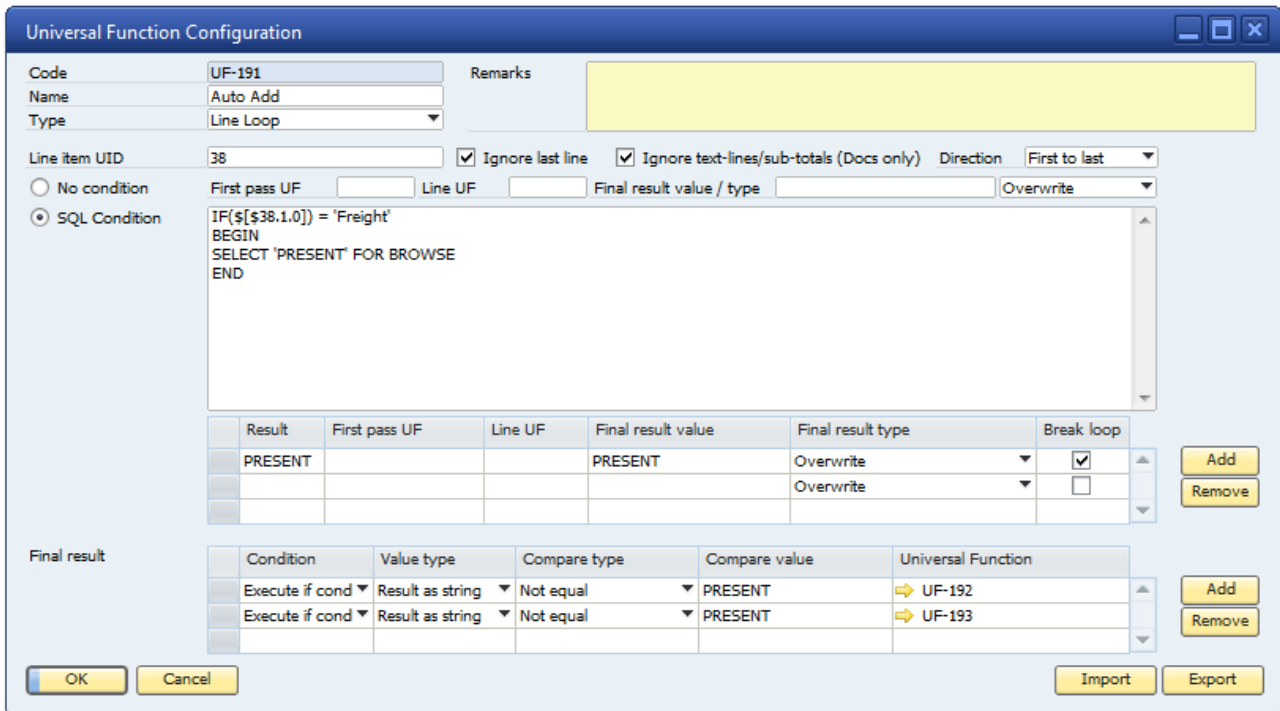
The screenshot shows the 'B1 Validation Configuration' window with the following configuration:

- Name: Check and add Freight
- Sort: 100
- Number: 155
- Users (Empty = All): (empty)
- Include users: Exclude users:
- Trigger:
 - FormType: 139
 - Item: 1
 - Column: (empty)
 - Row: (empty)
 - Menu Uid: (empty)
 - FormMode: Add
 - Event: Item Pressed
 - BeforeAction: True
 - ActionSuccess: Ignore
 - ItemChanged: Ignore
 - InnerEvent: Ignore
 - CharPressed: (empty) Modifier: None
- Comments: (empty text area)
- Active:
- Buttons: OK, Cancel, Import, Export
- Condition:
 - No condition, just execute function: UF-191
 - Simple condition: When item | (column) | Comparison type | Value | Type | Execute function
 - SQL Condition: Common SQL structures
- Table:

Condition result	Function to execute

Validation is simple. Just catch that document is being added before action that execute the Line Loop

Universal Function



Here we set up the validation. The Line item Uid is set to **38** because this is the Matrix Item uid of the Sales order.

Since this should only look for freight-items we set up a SQL condition with SQL

IF(\$[38.1.0]) = 'Freight'

BEGIN

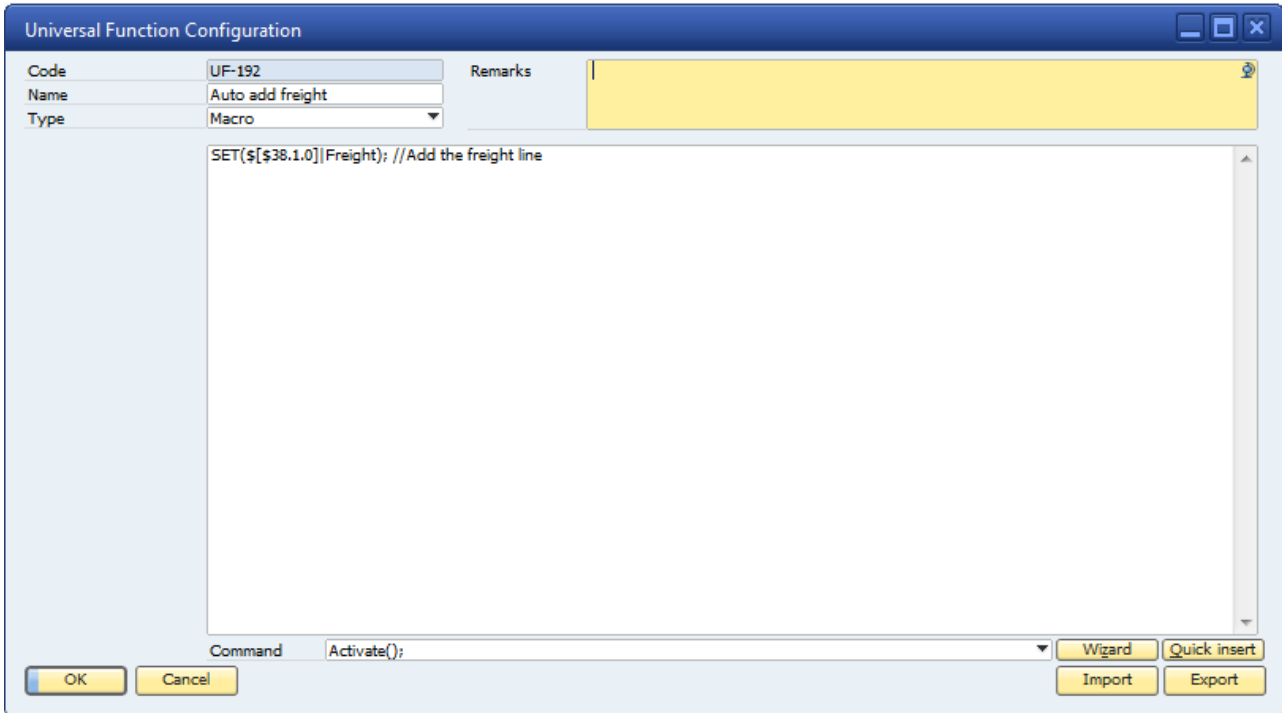
SELECT 'PRESENT' FOR BROWSE

END

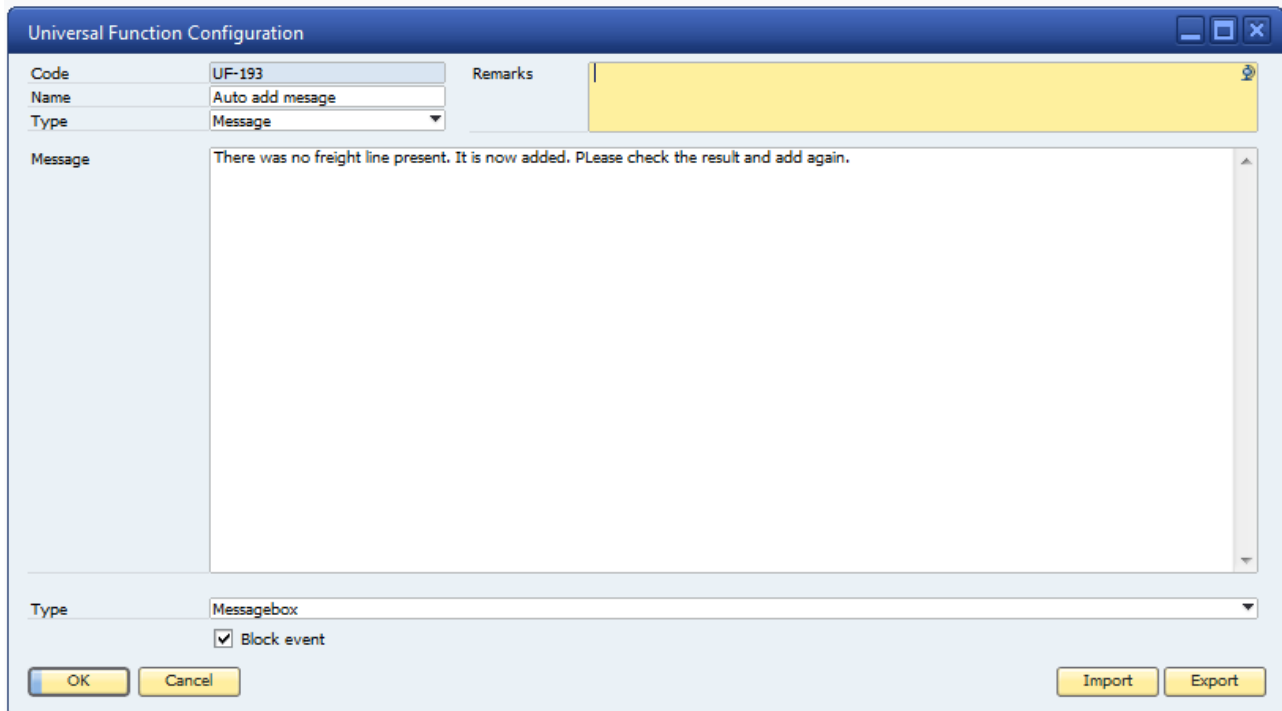
If we find a Freight item we execute the line-options. In this case we just wish to inform the final result that we have found the freight item, by giving the value PRESENT to the Final Result. Since it is just a value we leave final result type to overwrite and break the loop (since we have found the line it does not make sense to look in more lines).

In the final result we wish to do two things if we never found a freight-line (we test this by validating the the compare type is not Equal "PRESENT").

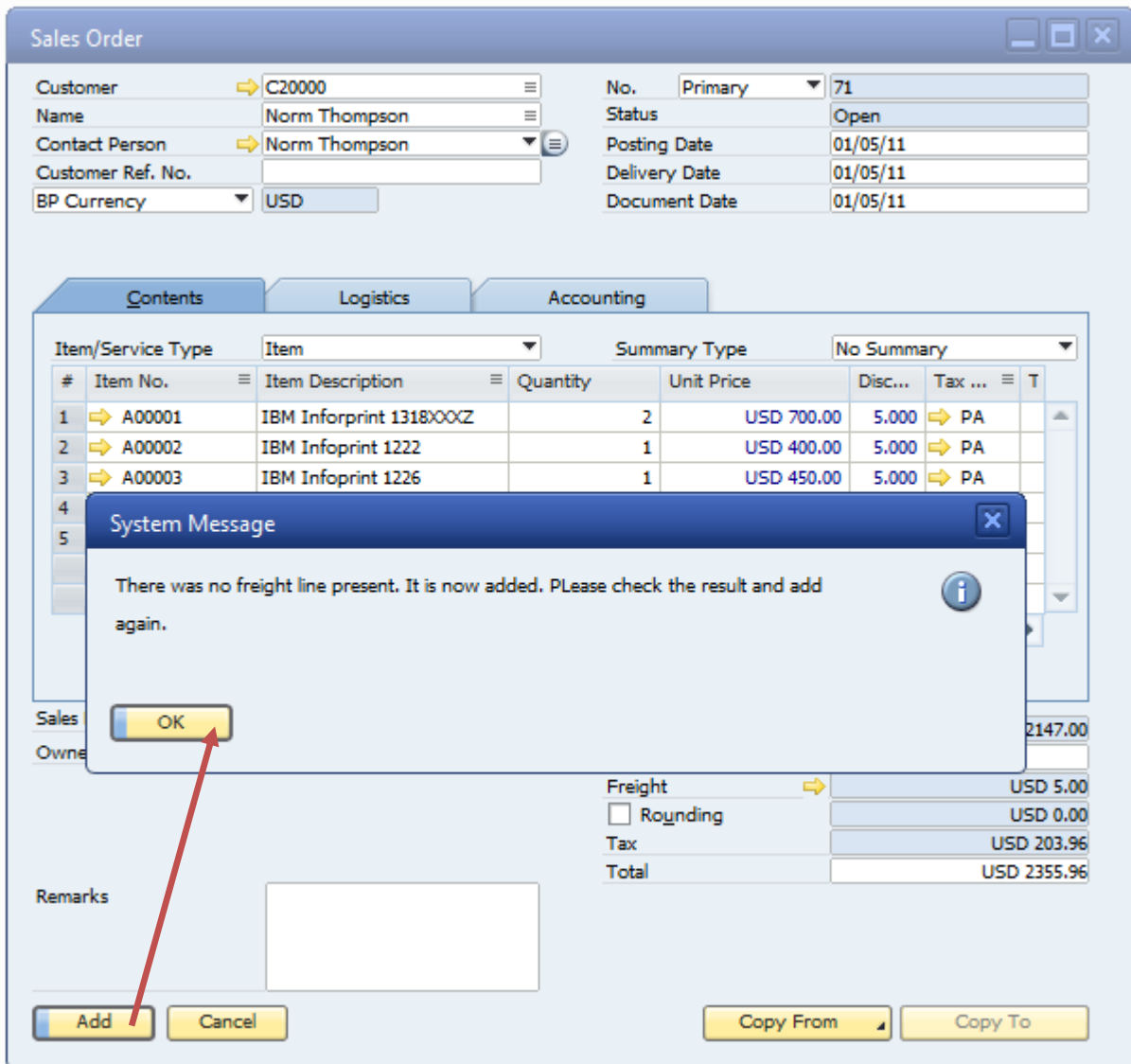
First we launch a simple macro that add the freight line



Second we launch a message that states why we were not allowed to add the document.



Result



We create a sales order and “forget” to add freight item. When we press add we get the warning we defined and the macro adds the freight item automatically

Sales Order

Customer	C20000	No.	Primary	71
Name	Norm Thompson	Status	Open	
Contact Person	Norm Thompson	Posting Date	01/05/11	
Customer Ref. No.		Delivery Date	01/05/11	
BP Currency	USD	Document Date	01/05/11	

Contents Logistics Accounting

#	Item No.	Item Description	Quantity	Unit Price	Disc...	Tax ...	T
1	A00001	IBM Inforprint 1318XXXZ	2	USD 700.00	5,000	PA	
2	A00002	IBM Inforprint 1222	1	USD 400.00	5,000	PA	
3	A00003	IBM Inforprint 1226	1	USD 450.00	5,000	PA	
4	freight	Freight	1	USD 10.00	5,000	PA	
5					0,000		

Since the Freight item is now present, when we press add we are allowed to add the order.