

Automate copy to and remove specific lines you don't want included

Summary	
Module	Function Button + Universal Function – Line Loop
Level	Advanced
Requirements	4.0.0.0

Scenario

You have a sales order but when you do a copy to you only wish to have the lines that are marked as Partial Delivery to be copied over.

The screenshot shows two SAP windows: 'Sales Order' (top) and 'Delivery' (bottom). Both windows have a 'Contents' tab active, displaying a table of items. In the 'Sales Order' window, the table has columns for '#', 'Item No.', 'Item Description', 'Unit Price', and 'Partial Delivery'. Three items are listed: 1 (A00001, IBM Infoprint 1312, 400.00 \$, checked), 2 (A00002, IBM Infoprint 1222, 200.00 \$, unchecked), and 3 (A00003, IBM Infoprint 1226, 300.00 \$, checked). A red 'no' symbol is placed over the 'Copy To' button in the Delivery window, indicating that it should not be used for the selected lines.

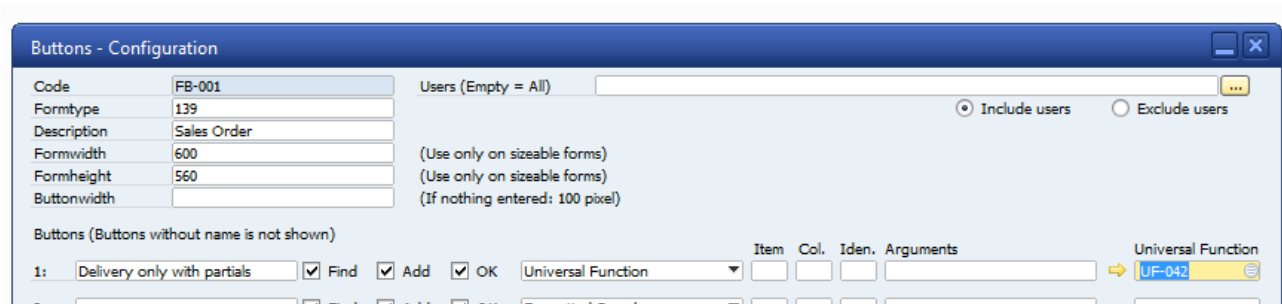
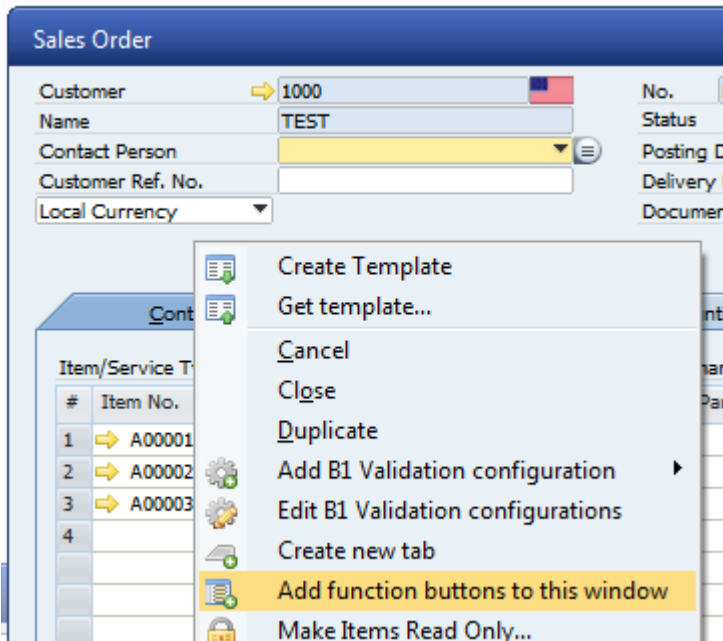
#	Item No.	Item Description	Unit Price	Partial Delivery
1	A00001	IBM Infoprint 1312	400.00 \$	<input checked="" type="checkbox"/>
2	A00002	IBM Infoprint 1222	200.00 \$	<input type="checkbox"/>
3	A00003	IBM Infoprint 1226	300.00 \$	<input checked="" type="checkbox"/>

#	Item No.	Quantity	Unit Price	Disc...	Tax C...	Total (LC)
1	A00001	10	400.00 \$	0.000		4,000.00 \$
2	A00003	10	300.00 \$	0.000		3,000.00 \$
3				0.000		

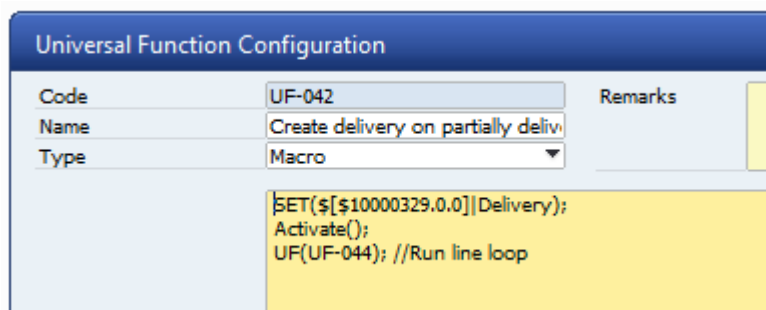
Needed Configuration

We will need a Function Button a few Universal Functions to do this.

First go to the Sales order screen, right-click and add a function button



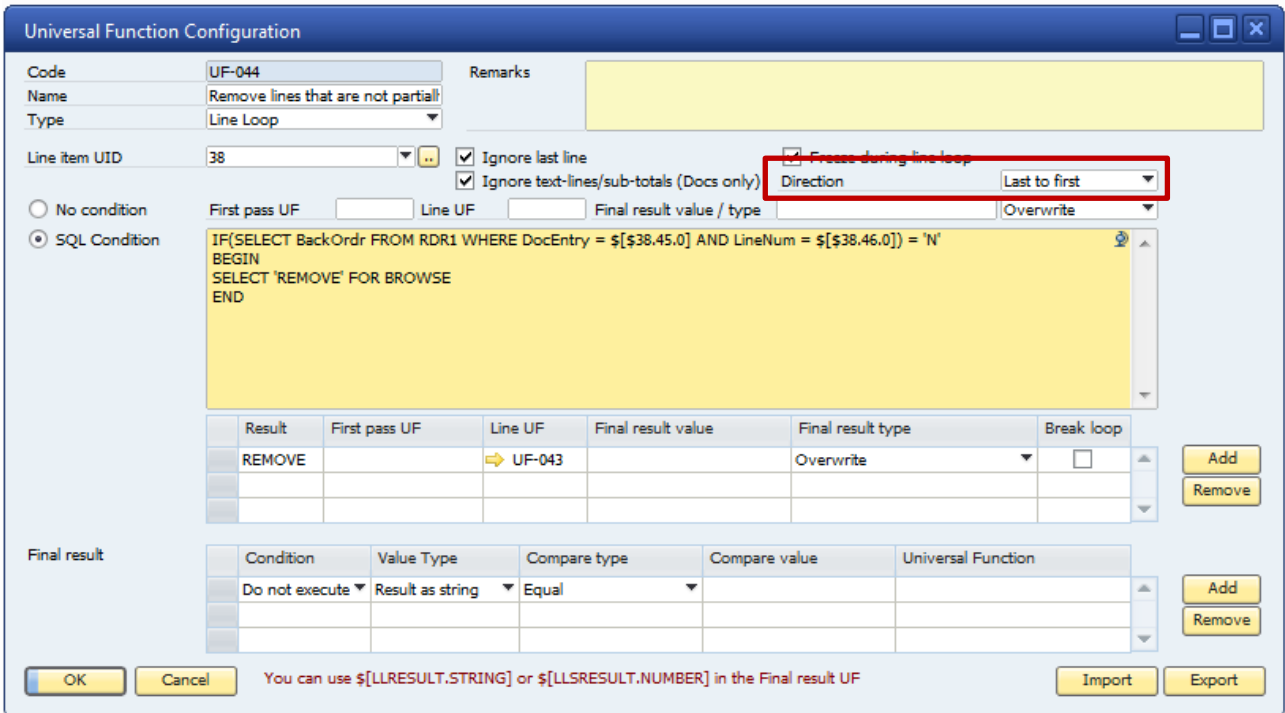
Let the Function button trigger a Universal Function of type Macro (UF-042):



This macro does 3 things:

1. Press the Copy to button and select the Delivery option (This will copy all lines over but we will deal with that later)
2. Tell the system that it is on the Delivery Form
3. Run another Universal Function Called UF-044

The UF-044 is our Line Loop that takes care of removing the lines we do not wish to copy over:



Please note that in the direction field use Last to first (Something that is needed in order to remove lines)

The line loop runs on standard Item 38 = Item Lines and uses a SQL to check each line if its baseline (on the sales order) is a partial delivery line (DB Field Backorders). The `${38.45.0}` and `${38.46.0}` is the dynamic syntax for the Base Entry and Base Line columns that store the link between the delivery and Sales order

SQL for copy/paste:

```
IF(SELECT BackOrdR FROM RDR1 WHERE DocEntry = ${38.45.0} AND LineNum = ${38.46.0}) = 'N'
BEGIN
SELECT 'REMOVE' FOR BROWSE
END
```

When we hit a line that fits our condition we run the LINE UF = UF-043

UF-043 is a simple macro that focuses the line and simulates a click of the Remove Line option in the Data Menu

