BN, Mar 2022

Project 6494 – Intercompany Purchase to Sales Order

**BUSINESS CASE:**

Zephyr Products currently uses intercompany transactions for outside service requirements on work orders. The core transaction does not provide all of the required data that Zephyr (ZEP) and the sister company (LPF) require. Additionally, outside service purchase orders are not honoring the quoted prices for Material Quantity Discounts or through Vendor Quotes.

**SOLUTION:**

General project scope:

1/ Modify Router Line for Outside Service sequences, put the Opcode in Sort Code field, and Router number in Opcode field. This will take advantage of the MQD at Router Line level.

2/ At Auto Work Order Generation dashboard, the Opcode will be moved back to its place for all other section relating to scheduling to work properly.

3/ A dashboard is created for Outside Service request in ZEP. This dashboard allows creating PO in ZEP and at the same time upload SO in LPF.

Requirements in detail:

The intercompany transaction is solely based in GAB, so we disable the core intercompany transaction for “Purchase Order Event”.

For the remainder of this spec:

The purchasing company is ZEP. “T1C” represents the original customer for ZEP.

The selling company providing the service is LPF.

1. GAB program **GCG\_6494\_RtrLine.g2p** is attached to populate hook 11210, and Script 1 button hook 11410 and post save hook 11301 at Router Line screen:

1.1. This is ONLY for Outside sequence. User will click the Script 1 button named as **Out.Code** to browse Opcode for only vendor **LPF001**.The browser will return the Opcode to the Sort Code field and put the Router number in the Outside Code field. This will allow the MQD applied for the Router number.

So, if the Router has MQD data, the Mat’l Qty Disc will be checked, and the Rate will be left blank so Material Quantity Discount can be applied.

If the Router does not have MQD data, the Rate will be returned from the browser, and the Mat’l Qty Disc will be unchecked.

If user uses the browser of the standard core feature beside the Outside Code field which user **is not supposed to use**, the core program will work as normal.

Graphical user interface, application

Description automatically generated

After saving the Outside sequence, it will be displayed in the Router Line grid in which the Part/Workcenter column displays the concatenation string of Opcode + Router number. Likewise, when you first enter the Router Line core screen, the populate hook will run the GAB program to make sure that the Part/Workcenter displays as above.

1.2 For old data, before implementation in live company code, an SQL script will be run to handle such logic above applied to old data for Router Lines

*Update Router Line, move Opcode to Sort Code field:*

**Update** Router\_Line

**Set** Sort\_Code = Part\_WC\_Outside

**Where** Router\_Type = 'L' **and** LMO = 'O' **and** Operation = 'LPF001';

*Update Router Line, move Router number to Opcode field:*

**Update** Router\_Line

**Set** Part\_WC\_Outside = Router

**Where** Router\_Type = 'L' **and** LMO = 'O' **and** Operation = 'LPF001';

We do not have to touch existing Work Orders.

2/ As WOs are created from modified Outside Sequence in Router Line, WO’s Opcode field contains the Router number which is unexpected. We will have a GAB program to put back the Opcode to its proper field for other section of GSS to work properly, especially scheduling.

So, at AWOG dashboard, after the WO is created by selecting the Schedule Selected function, the GAB program **GCG\_6494\_WOGSwap.g2p** will interfere at the hook 53212 (post hook) to update the Job\_Operations.Part with the Opcode value for Outside sequence of LPF001

Graphical user interface, text, application, email

Description automatically generated

3/ After Outside sequences are requested at the GUI, the request will go into table MAT\_ONLINE. From there, GAB program **GCG\_6494\_OutReq.g2p** will pull data into a gridview. ONLY for Outside Opcode **LPF001.**

Graphical user interface, application, table, Excel

Description automatically generated

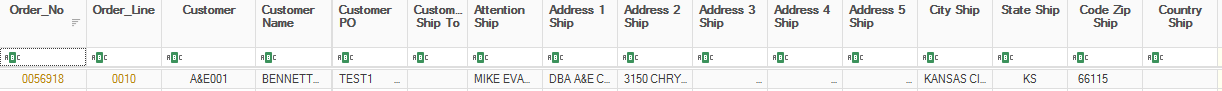
Features of the gridview:

+ Pull all requests

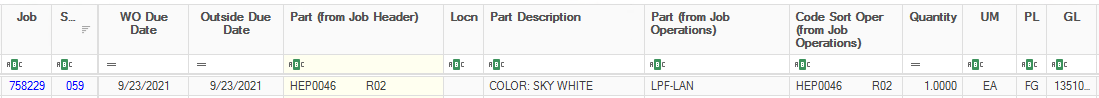
+ Have option to pull by date range

+ 4 sections of columns:

* Information about original customer TC1:



* Job, Part, Opcode, Outside request information:



* Price information and selection for creating PO in ZEP and SO in LPF:

Table

Description automatically generated

* Selection and Error/Result feedback from the program when user selects to create PO in ZEP and SO in LPF

Table

Description automatically generated

+ Select rows, right click to create PO in ZEP and SO in LPF. The selection will be grouped by Customer + Ship ID.

Each group will create a PO and an SO.

Purchase Price is populated based on Material Quantity Discount of ZEP.

Vendor Price is populated based on Order Entry Discount Price of LPF.

Clicking the Purchase Price cell will open a browser to select a different price for that part based on the MQD of that part in ZEP.

Graphical user interface, application, table, Excel

Description automatically generated

Likewise, clicking the Vendor Price cell will open the Order Entry Discount Price browser for that part of LPF:

Graphical user interface, application, table

Description automatically generated

User will verify the Purchase Price vs Vendor Price and the variance to determine which price to use to create PO and SO. The Price To Use has dropdown list to select Purchase Price/Vendor Price:

Graphical user interface

Description automatically generated with medium confidence

The following information are passed into PO and SO once created:

**PO in ZEP:**

PO Line User Field 1 = ZEP Sales Order

PO Line User Field 2 = T1C ID – Name

A screenshot of a computer

Description automatically generated

**SO in LPF:**

a. SO Header User 1 = Original Sales Order from ZEP company code.

b. SO Header Order Sort = “T1C ID – T1C Name”

c. SO Header Customer PO (15 chars) = ZEP Purchase Order (7chars)–Customer Name (30chars)

d. SO Line User 2 = Job-Suffix needs to confirm

e. SO Line User 1 = T1C Purchase Order

f. Address:

If there is an original customer TC1 for the row, the SO will be created with ZEPHYR as customer number and the address on the SO will be the TC1’s address (drop ship)

If there is not a customer TC1 for the row, the SO will be created for ZEPHYR and Zephyr’s address.

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

Result will be posted back to the gridview:

Graphical user interface, application

Description automatically generated

If there is Part that does not exist in LPF, a csv file will be exported.

Log file is stored at Global\CUSTOM\6494\PLA. Each user will have a log file for a date.

Graphical user interface, application

Description automatically generated

Text, table

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Web Importer parameters need to be setup in LPF to upload SO. If Web Importer is used for other project in LPF, please contact GSS to integrate accordingly.