

Materials Management
SAP Implementation at IESCO
Training Document
Transformer Repair

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Transformer Repair Process

1 Purpose

The purpose of this document is to describe the business process of transformer repair in TRW.

Prerequisites

When transformer is damaged in the field, it is returned to store which is then repaired in TRW, if possible.

1.1 Process Steps

1.1.1 Create CO Production Order

Use

Following process steps are followed during the transformer repair.

Procedure

1. Open "Create CO Production Order" App. from Fiori Launchpad.
2. Enter Order Type, Material and Plant and Press Enter to enter the controlling area in a pop-up screen.

The screenshot shows the 'Create CO Production Order' app interface. The form has the following fields and values:

- * Order Type: **CP01** (Standard CO production order)
- * Material: **10153** (with a search icon)
- * Plant: **400**

3. Enter Master Data in the assignments, Control, Period-end closing tabs respectively.

SAP

Next Subscreen Costing Settlement Rule More

Order: Order type: CP01 Sta

Description: **Reclaimed Transformer 200KVA**

Material: 10153 20

Assignments Control data Prd-end closing General data Investments

Assignments

Controlling Area: 1000 IESCO

Company Code: 1000 IESCO

Business Area:

Plant: 400 IESCO M&T TRW

Functional Area: **1006**

* Object Class: Production

Profit Center: 10400 M&T ISLAMABAD

Responsible CCtrl: **104009**

User Responsible:

WBS element:

Requesting CCtrl: **104009**

Press Save(Ctrl+S).

Result :CO-Production order **700120** is created.

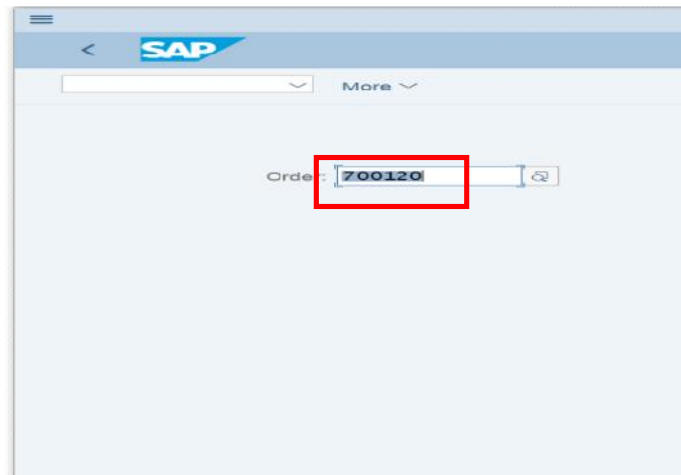
1.1.2 Enter Direct Activity Allocation

Procedure

1. Open "Edit Planning for Production" App. from Fiori Launchpad.
2. Enter the required data in the screen below.

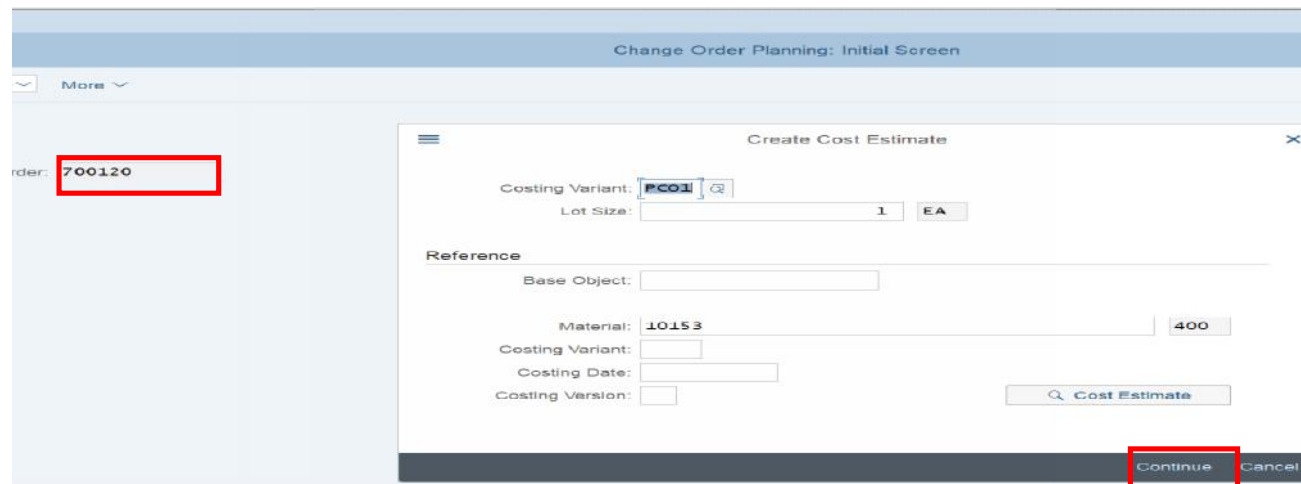
Field name	Description	User action and values	Comments
Doc.Date		As per requirement	For example: 20.02.2018
Posting date		As per requirement	20.02.2018
Send.CCtr		As per requirement	104009
Saty Typ		As per requirement	ZPDL01
Sender Fnd/Receiver Fnd		As per requirement	CY
Rec.Order		As per requirement	700120
Total Quantity		As per requirement	25
UM			H

3. Open “Edit Planning for Production” App. from Fiori Launchpad



SAP Fiori Launchpad interface showing the 'Edit Planning for Production' app. The 'Order' field is highlighted with a red box and contains the value '700120'.

4. Enter Unit Cost element in the below screen.



Change Order Planning: Initial Screen

Order: 700120

Create Cost Estimate

Costing Variant: PC01

Lot Size: 1 EA

Reference

Base Object:

Material: 10153 400

Costing Variant:

Costing Date:

Costing Version:

Cost Estimate

Continue Cancel

> DS4 (1) 200

AP Create Unit Cost Estimate: List Screen - 1

Previous View Next View Header Screen Detail Screen Reevaluate All Items Set Filter... Delete Filter Insert Totals Item Insert Formula Cut Copy More

CO Production Order: 700120
Material: 10153

Items - Basic View

	Resource	Plant/...	Pur...	Quantity	U...	Value - Total	Description	Price - Total	Pric...	Cost Element
1	M 10152	400		1	EA	15,000.00	200 KVA Transformer (Damage B/W)	5,000.00	1	710000
2	M 10125	400		30	L	12,000.00	OIL LUBRICANT	400.00	1	710000
3	M 10126	400		15	EA	9,000.00	ENAMELLED COPPER WIRE 1.6MM	600.00	1	710000
4	E 104009	ZPDL01		30	H	1,089.07	Production Hours	3,630.24	100	943000
5						0.00				
6						0.00				
7						0.00				
8						0.00				
9						0.00				
0						0.00				
1						0.00				
2						0.00				
3						0.00				

1 from: 13 PKR: 37,089.07

5. Press Save (Ctrl+S).

Result

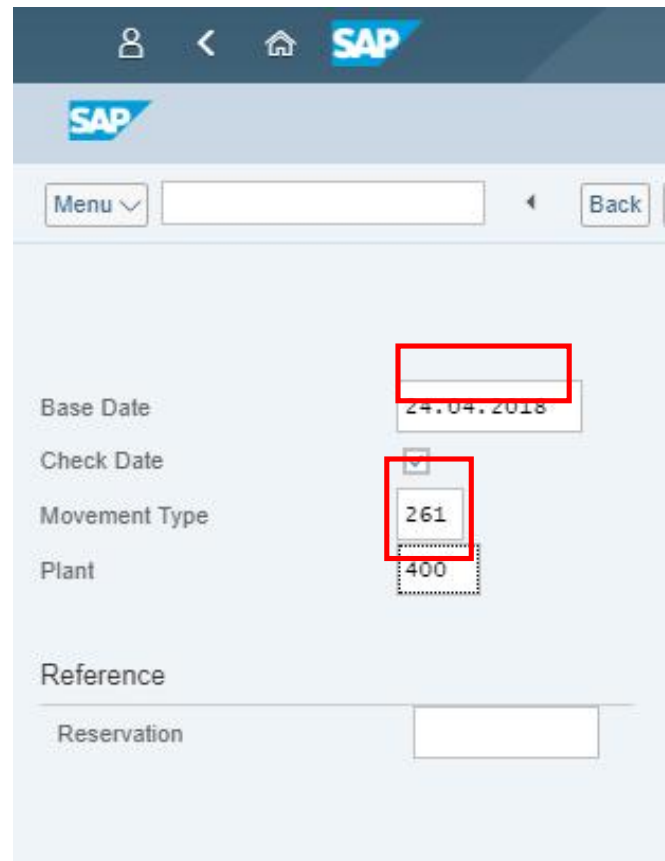
Document is saved in Company Code 1000.

1.1.3 Reservation

Procedure

1. Open "Create Reservation" App. from Fiori Launchpad.
2. On Create Reservation: Initial screen, enter movement type and plant.

Field name	Description	User action and values	Comment
Base date		As per requirement	Enter Base Date: 24.04.2018
Movement Type		As per requirement	Enter movement type or press F4 to select from the list. e.g. 261
Plant		As per requirement	For example:400



A screenshot of the SAP Mobile App interface. The top navigation bar is dark blue with icons for a user profile, back, home, and the SAP logo. Below this is a light blue header with the SAP logo and a search bar. The main content area is light blue and contains several input fields. The 'Base Date' field is highlighted with a red rectangle and contains the date '24.04.2018'. The 'Check Date' field is highlighted with a red rectangle and contains a calendar icon. The 'Movement Type' field is highlighted with a red rectangle and contains the value '261'. The 'Plant' field is highlighted with a red rectangle and contains the value '400'. The 'Reference' section is at the bottom and contains a 'Reservation' field with an empty input box.

Menu Back

Base Date

Check Date

Movement Type

Plant

Reference

Reservation

3. Enter Material number, quantity and CO-Production Order No.

Field name	Description	User action and values	Comment
Material		As per requirement	Enter Material: 10152, QTY:1 Enter Material: 10125, QTY: 10 Enter Material: 10126, QTY: 15
CO-Production No.		As per requirement	For example: 700120

The screenshot shows the SAP S/4HANA reservation document creation interface. The 'Movement Type' is set to 261 (GI for order). The 'Order' field is populated with 00120. The 'Items' table lists three materials: 10152, 10125, and 10126, each with a quantity of 400. The 'Post' button is highlighted with a red box.

Item	Material	Quantity	Unit	Plant	S
1	10152	400	EA	400	
2	10125	10	L	400	
3	10126	15	EA	400	
4				400	

4. Click save button to save the reservation document.

Result

You have created reservation document (627).

1.1.4 Goods Issue

1. Open "Post Goods Issue" App. from Fiori Launchpad.
2. Select Action as Goods Issue and Reference as Reservation.
3. Enter Reservation Number and press Enter.

Goods Issue Reservation - MM-02

Goods Issue Reservation - MM-02

Goods Issue: Reservation:

 GI for cost center:

Document Date:
 Material Slip:

Posting Date:
 Doc. Header Text:

☐ Collective Slip
 GR/GI Slip No.:

Line	Mat. Short Text	...	OK	Qty in LinE	EUn	SLoc	Order	Co...	Profit Center	WIP Batch
1	200 KVA Transformer (Damage B/W)	☐	☒	1	EA	T.R.W	700120	1000	10400	
2	OIL LUBRICANT	☒	☐	10	L	T.R.W	700120	1000	10400	
3	ENAMELLED COPPER WIRE 1.6MM	☒	☐	25	EA	T.R.W	700120	1000	10400	

Serial Number:

SAP

4. All the data from reservation will be copied. Maintain any other required data.
5. If serial number profile is defined in the material master then also enter Serial Number: SKP000000000000036 of the relevant material.
6. Check the document for any error.
7. Choose Post (Ctrl+S).

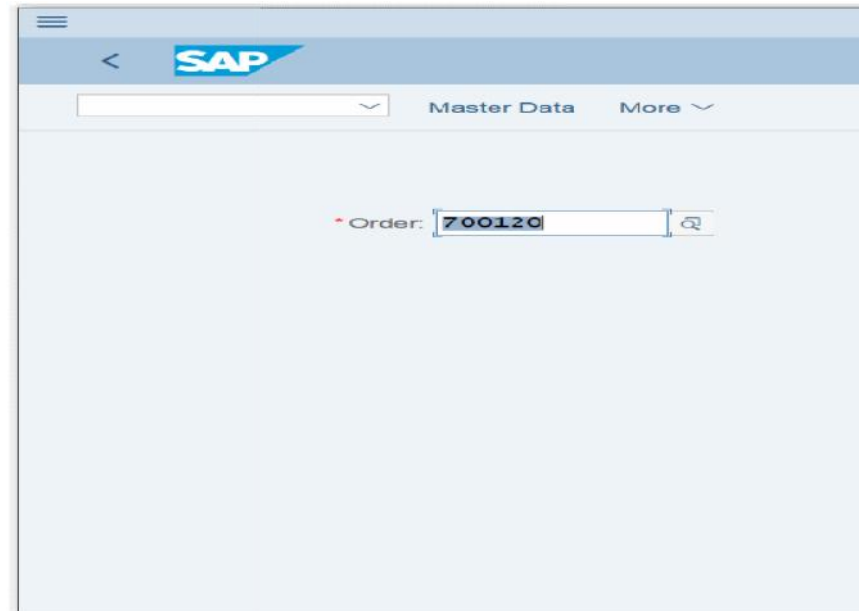
Result

You have posted goods issuance document: 4900000353

1.1.5 Change CO production Order Status

Procedure

1. Open "Change CO Production Order" App. from Fiori Launchpad.
2. Enter Order Number and Press enter.



3. In the Control Tab, change the system status of the Production Order to technically complete.

SAP Change CO Production Order: Master data

Previous Subscreen Next Subscreen Costing Settlement Rule Print More

Order: 700120 Order type: CP01 Standard CO production order

Description: Reclaimed Transformer 200KVA

Material: 10153 200 KVA Transformer (REC)

Assignments Control data Prd-end closing General data Investments

Status

System status: REL GMPS SETC Tech. comple

Allowed transacts.

Control data

Currency: PKR Pakistani Rupee

Order category: 4 CO Production Order

Revenue postings

4. Press Save(Ctrl+S).

Result

CO Production order is technically completed in company code 1000.

1.1.6 Reclaimed Transformer Goods Receipt

1. Open "Post Goods Movement" App. from Fiori Launchpad.
2. Select Action as Goods Receipt and Reference as Order.
3. Enter Order Number and press Enter.
4. Data from order will be copied. Maintain any other required data.
5. If serial number profile is defined in the material master then also enter serial number of the relevant material.
6. Check the document for any error.
7. Choose Post (Ctrl+S).

Goods Receipt Order 700120 - MM-02

Goods Receipt Order 700120 - MM-02

Post Back Exit Cancel System Hide Overview Restart Hold Check Post Help

Goods Receipt Order GR goods receipt 101

General Additional Header

Document Date 24.04.2018 Delivery Note

Posting Date 24.04.2018 Doc. Header Text

Individual Slip GR/GI Slip No.

Line	Sta...	Mat. Short Text	OK	Qty in UnE	EUn	SLoc	WIP Batch	Batch	Valuation T...	M.
1		200 KVA Transformer (REC)	1	1	EA	T.R.W				10

Delete Contents

Material Quantity Where Order Data Serial Numbers Additional Line

Serial Number SKP00000000000000000000

Result

You have posted goods receiving document.

1.1.7 Settlement of Production Order

Procedure

1. Open "Run Actual Settlement orders" App. from Fiori Launchpad.
2. Enter the Order number and Settlement parameters. Run Settlement with Test Run check box selected to see the results. If results are OK, then run settlement by removing Test Run tick.

SAP Actual Settlement

Settlement Rule More ▾

Controlling Area: 1000

* Order: 700120

Parameters

* Settlement Period: 10

* Fiscal Year: 2018

* Processing Type: Automatic ▾

Posting period:

Asset Value Date:

Processing Options

☐ Test Run

☐ Check trans. data

Result

CO Production order is settled in company code 1000.