

# Production Planning and Execution (PP)

This case study explains an integrated production planning and execution process in detail and thus fosters a thorough understanding of each process step and underlying SAP functionality.

#### **Product**

S/4HANA 1809 Global Bike

Fiori 2.0

#### Level

Undergraduate Graduate Beginner

#### **Focus**

Production Planning and Execution

#### **Authors**

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#### Version

3.3.1

#### **Last Update**

May 2019 Modified Sept 2020 (SP)

#### **MOTIVATION**

The data entry requirements in the production planning exercises (PP 1 through PP 6) were minimized because much of the data already existed in the SAP system. This stored data, known as master data, simplifies the processing of business transactions. Examples for this were material master data, bills of materials, and routings.

In this case study, we will create consumption values for a finished product to plan and process a complete manufacturing cycle.

#### **PREREQUISITES**

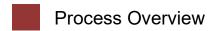
Before you use this case study, you should be familiar with navigation in the SAP system.

In order to successfully work through this case study, it is not necessary to have finished the PP exercises (PP 1 through PP 6).

#### **NOTES**

This case study uses the Global Bike data set, which has exclusively been created for SAP UA global curricula.





**Learning Objective** Understand and perform a manufacturing process cycle.

Time 140 min

**Scenario** In order to experience a complete manufacturing process you will take on different roles within the Global Bike Group, e.g. production supervisor, shop floor worker and plant manager. Overall, you will be working in the Materials Management (MM) and the Production Planning and Execution (PP) departments.

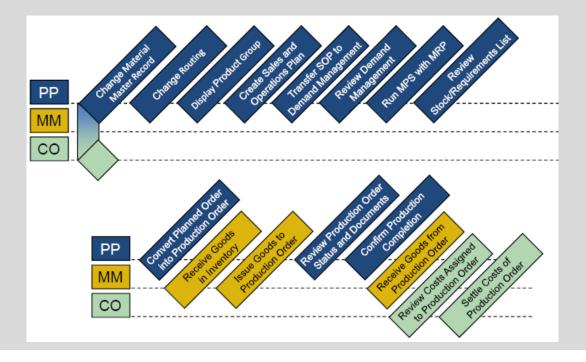
**Employees involved** Jun Lee (Production Supervisor)

Hiro Abe (Plant Manager Dallas) Lars Iseler (Production Order Worker) Susanne Castro (Receiving Clerk) Sanjay Datar (Warehouse Employee) Michael Brauer (Shop Floor Worker 4) Jamie Shamblin (Cost Accountant)

Before you can start forecasting demand for your touring bike product group, changes in the material master record of the bikes need to be maintained.

Afterwards you will create a 12-month sales and operations plan (SOP) for your product group, receive the production relevant goods from the warehouse storage location and issue them to the production order.

To conclude the process, the production is confirmed as complete, the finished goods are received into the warehouse and costs assigned to the production order are analyzed.



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\*Note: During certain steps in this case study you will be instructed to take a screenshot of your results. Make sure that you complete it before continuing as it may be difficult to repeat later. There are five (5) of these steps.

Also make sure that the screenshot includes any Master Data which displays your user-id (###). E.g. Material codes, Product groups, Sales forecasts, Stock requirements, Cost analysis



# Step 1: Change Material Master Record

Task Prepare a material master record for Demand Planning.

Time 20 min

**Short Description** In order to plan Global Bike's deluxe touring bikes (black, silver and red) prepare their material master records by changing the MRP 3 and Forecast view.

Name (Position) Jun Lee (Production Supervisor)

To change a material's view, use the App *Change Material* in the *Production Planning and Execution* group.

Fiori App

Change Material

In the Material field, find and select your red Deluxe Touring bike **DXTR3**### first.

DXTR3###

If you do not remember its material number, position your cursor in the Material field and click on the search icon or press **F4**. Make sure you are on the Material by Material Type tab. Select Material Type **Finished Product** (FERT) and enter \*### in the Material field. Remember to replace ### by your three-digit number given by your instructor, e.g. \*005 if your number is 005. Then, press *Enter* and select the red Deluxe Touring bike with a double click.

F4

Finished Product
\*###

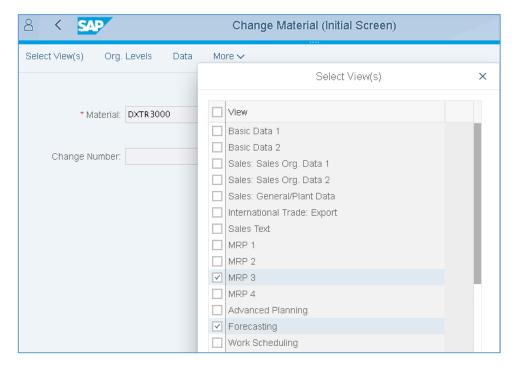
When your material number (**DXTR3**###) is entered in the Material field, click on or press *Enter*.

DXTR3###

On the following screen, select MRP 3 and Forecasting.

MRP 3 Forecast

Then, press *Enter* or click on .



In the following pop up enter the Global Bike manufacturing facility in Dallas **DL00** and its Finished Goods Stor. Location **FG00**. Press *Enter* or click on

Organizational Levels



Organizational levels

Plant: DL00 Plant Dallas

Stor. Loc.: FG00

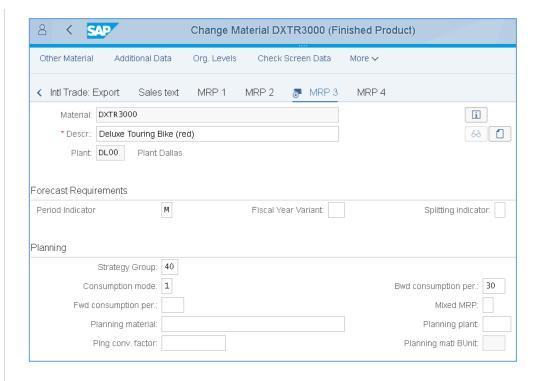
□ Org. levels/profiles only on request

✓ Select View(s) □ Default Setting ★

In the *MRP 3* tab, enter Strategy group **40** (Planning with final assembly), Consumption mode **1** (Backward consumption only) and Bwd.consumption per. **30**. Then click *Enter*.

DL00 FG00

> 40 1 30

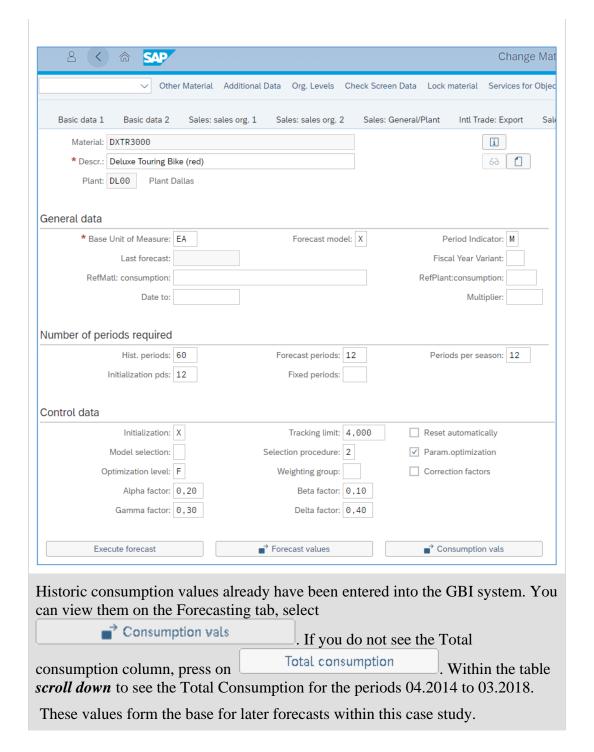


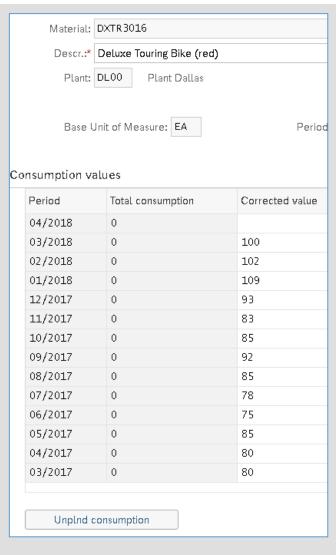
Press *Enter* again to acknowledge the warning message to check the consumption periods.

On the *Forecasting* tab, enter
Initialization pds 12,
uncheck the checkbox **Reset automatically**,
check the checkbox **Param.optimization**,
enter Optimization level **F** (Fine),
Alpha factor 0,20, Beta factor 0,10, Gamma factor 0,30, and Delta factor 0,30.

Compare your entries with the screen capture shown below.

12 Reset automatically Param.optimization F 0.20 0.10 0.30 0.30





Please note that within a productive system these values would have been updated based on the goods moved out of the warehouse.

Click on the Main Data menu item to return to the overview.

Click on Save your entries for the red bike.

The system informs you, that the material DXTR3### changed.



Repeat the same procedure for the silver and the black deluxe touring bike material master. Start with the silver bike (**DXTR2**###), then modify the black bike (**DXTR1**###).

DXTR2### DXTR1###

Click on the home icon to return to the Fiori Launchpad overview. (Click **OK** if you see an "unsaved data" message)



## Step 2: Change Routing

**Task** Change a routing for a finished good.

Time 15 min

**Short Description** Change the routing for your red Deluxe Touring bike.

Name (Position) Jun Lee (Production Supervisor)

After the operational steps are laid out, the components must be allocated to the individual operations. This is a progressive process where each operation builds off the materials that entered production in the previous operations. Component allocation

To change a routing, use the app *Change Routing*.

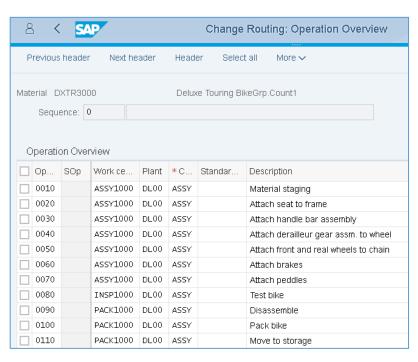
Fiori App



Enter the material number for your red Deluxe Touring Bike (**DXTR3**###). In the Plant field, enter Global Bike's Dallas plant number (**DL00**). Please ensure that the Group field is empty.

DXTR3### DL00

Then, press *Enter* or click on Continue



**Note** A routing can be defined using the routing group and group counter. Moreover, the routing contains reference to the material whose production it describes, and, in addition to the standard sequence, can contain parallel or alternative sequences. Alongside the standard values, the routing also contains the time elements that are relevant for scheduling operations. Each operation in the routing may contain its own base quantity, to which these time elements may refer.

Choose the Allocation menu item and select the red touring frame (TRFR3###) as well as the touring seat kit (TRSK1###). Now choose

New Assignment

TRFR3### TRSK1###

Item Overview					
□ P	Le	Path	Ite	Component	Quantity
	0	0	0010	TRWA1000	2
<b>V</b>	0	0	0020	TRFR3000	1
	0	0	0030	DGAM1000	1
<b>✓</b>	0	0	0040	TRSK1000	1
	0	0	0050	TRHB1000	1
	0	0	0060	PEDL1000	1
	0	0	0070	CHAN1000	1
	0	0	0080	BRKT1000	1
	0	0	0090	WDOC1000	1
	0	0	0100	PCKG1000	1

In the following pop up, click Oper/act. list .Choose operation 0020

and press. Back on the Material Component Overview screen, you see that now both components have been assigned to operation 0020.

lte	em O	vervie	W									
	Р	Le	Path	Ite	Component	Quantity	Sort String	U	lt	В	Activity	Seq.
		0	0	0010	TRWA1000	2		EA	L			
		0	0	0020	TRFR3000	1		EA	L		0020	0
		0	0	0030	DGAM1000	1		EA	L			
		0	0	0040	TRSK1000	1		EA	L		0020	0
		0	0	0050	TRHB1000	1		EA	L			
		0	0	0060	PEDL1000	1		EA	L			
		0	0	0070	CHAN1000	1		EA	L			
		0	0	0080	BRKT1000	1		EA	L			
		0	0	0090	WDOC1000	1		EA	L			
		0	0	0100	PCKG1000	1		EA	L			

Repeat the same process for the other components and assign them to operations as shown below.

0020

Component	Operation
TRHB1### (touring handle bar)	0030
TRWA1### (touring aluminum wheel assembly)	0040
DGAM1### (derailleur gear assembly)	0040
CHAN1### (chain)	0050
BRKT1### (brake kit)	0060
PEDL1### (pedal assembly)	0070
WDOC1### (warranty document)	0100
PCKG1### (packaging)	0100

TRHB1###

TRWA1###

DGAM1###

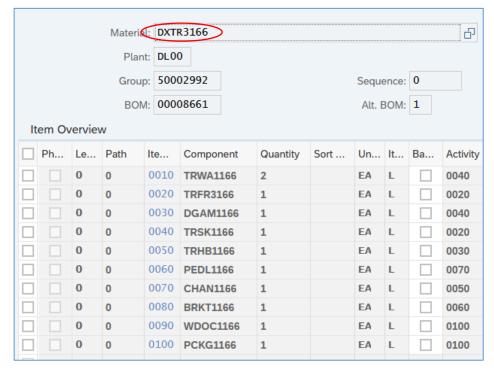
CHAN1###

BRKT1###

PEDL1###

WDOC1###

PCKG1###



STEP A: Take a screenshot of the *Material Component*Overview screen as show above. Make sure that the Material
Code (DXTR3###) is included.

Save your entries with

Save

☑ Routing was saved with group 50000004 and material DXTR3000.

Click on the home icon



to return to the Fiori Launchpad overview.



# Step 3: Display Product Group

**Task** Display a product group.

Time 5 min

**Short Description** Display the product group (product family) for all your Deluxe Touring bikes.

Name (Position) Jun Lee (Production Supervisor)

A product group (product family) supports high-level planning. This way, it is not necessary to delve into the minutia of creating planning forecasts for every material in the company.

Product group

To display the deluxe touring bike product group, use the app *Display Product Group*.

Fiori App

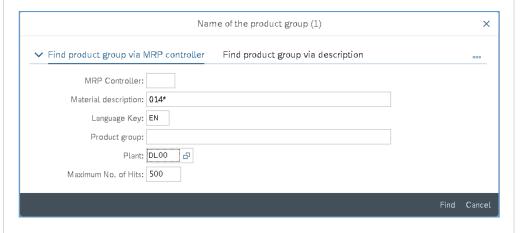


In the Display Product Group: Initial Screen, in the Product group field find and select your group for deluxe touring bikes. In order to do so, press the

search icon (or pressed F4), enter ###\* in the Material description field. Remember to replace ### with your three-digit number, e.g. enter 009\* if your number is 009. Enter **DL00** as Plant.

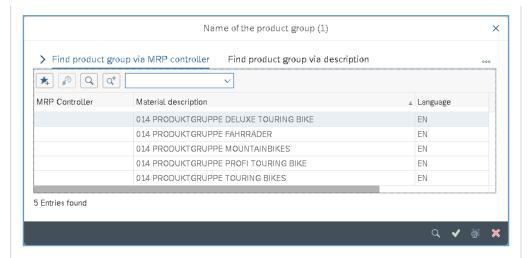
###\*

DL00



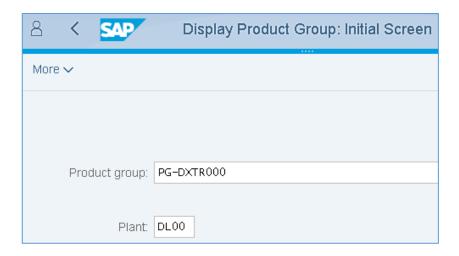
Then, press *Enter* or click on Find to display the search results.

Compare with the screen shown below. Double-click on the line for deluxe touring bicycles to select the group.



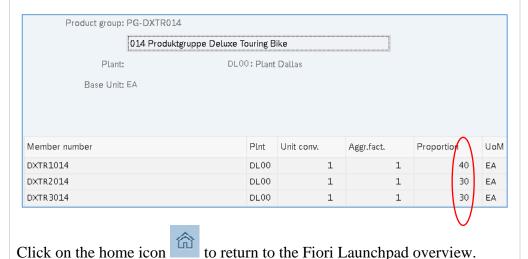
Now that the correct product group (**PG-DXTR**###) is filled in, make sure that Plant **DL00** is entered.

PG-DXTR### DL00



Then, press *Enter* to display the product group details.

On this screen you can see that this product group defines proportions for three different bikes: the black, silver and red deluxe touring bike. For the black bike a share of 40% will be considered and 30% for the silver and the red bikes each.





## Step 4: Create Sales and Operations Plan

**Task** Create a sales and operations plan for a product group.

Time 20 min

**Short Description** Create a 12-month sales and operations plan (SOP) for your product group.

Name (Position) Jun Lee (Production Supervisor)

A sales and operations plan (SOP) is a planning tool used to consolidate data for forecasting future sales and production levels as well as the methods needed to meet those requirements. In this task, our SOP will be based on historical consumption values taken from a fixed period. This is in contrast to forecasting within a real-life system which would base the prediction on previous periods and their respective consumption.

Sales and operations plan

To create an SOP, use the app Create Sales and Operations Plan.

Fiori App



Make sure that Product group **PG-DXTR###** and Plant **DL00** are entered

PG-DXTR### DL00



Active version Then, select Record the version number: In the menu bar, select: More ► Edit ► Create sales plan ► Forecast... Select Period intervals, Forecast from current period/current year to previous period/next year, Historic Data from **04/2014** to **03/2018**, Forecast execution Aut. model selection. Forecast: Model Selection × Periods Period intervals Fr... :\* 09/2020 To:\* 08/2021 Forecast Historical data :\* 04/2014 To:\* 03/2018 No. of periods No. of forecast periods: 0 No. of historical values: 120 Forecast execution O Constant models O Seasonal models Trend models O Season. Trend Models Historical Aut. model selection Forecast parameters Profile: SAP

If there are any warning messages click on  $\checkmark$  and continue.

You will see that the system has selected *Trend and season*. Click on Expression again.

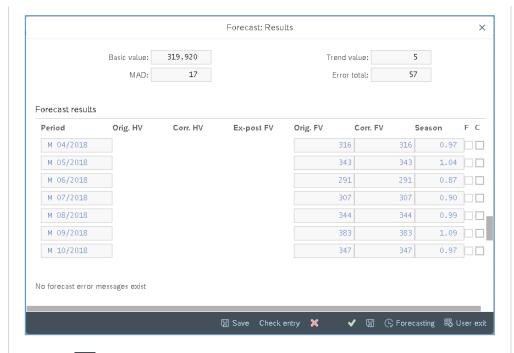
In the next pop-up, *Forecast: Results* you can see that the system tested and found Seasonal and Trend tendencies in the past consumption data and has applied a Seasonal Trend Model.

Menu bar

Period intervals current period/current year previous period/next year 04/2014 03/2018 Aut. model selection

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🕒 Forecasting Historical... Forecast profile.



Click on (Copy and Save). The sales forecast is copied into your Sales and Operations Plan.

As *Target day's supply* enter **5** for each forecasted period. (**12 periods only**).



In a production plan, you plan the quantities you need to produce in order to meet your sales plan. The system then calculates stock levels and days' supply for each period on the basis of the sales and production quantities and any target data. There are several different planning strategies available, which differ in the production values and the stock levels proposed.

As the SOP is a high-level planning, discrete production values are not necessary. The SAP system calculates discrete numbers once the SOP is transferred to the Demand Management.

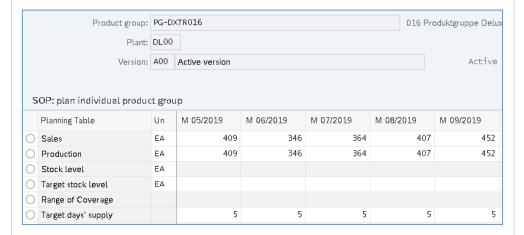
5

In the menu bar, select:

#### More ▶ Edit ▶ Create product plan ▶ Synchronous to sales

Menu bar

Note the change in the Production and in the Stock level lines. The production plan is created to match the sales forecast. (Your numbers may be different).



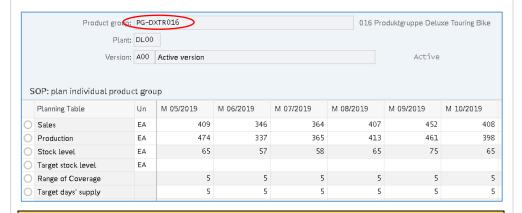
In the system menu, select

#### More ► Edit ► Create productn plan ► Target day's supply

Menu bar

Note the impact on the production plan and stock levels. Production levels are generated to match the sales plus produce enough to put into stock to meet the target days of supply specifications.

Review the Planning Table (your numbers may be different).



STEP B: Take a screenshot of the *Change Rough-Cut Plan* screen as shown above. Make sure that the Product Group (PG-DXTR###) is included.

Save with Save

Click on the home icon to return to the Fiori Launchpad overview.



## Step 5: Transfer SOP to Demand Management

**Task** Transfer SOP to Demand Management.

Time 10 min

**Short Description** Transfer the Sales and Operations Plan to Demand Management.

Name (Position) Jun Lee (Production Supervisor)

Demand Management is the tool used to disaggregate planning data from high-level plans down to the detailed planning level. For this task, planning for the Deluxe Touring Product Group will be broken down into the individual components that belong to this group.

**Demand Management** 

To transfer the SOP to Demand Management, use the app *Transfer SOP to Demand Management – Transfer the Sales and Operations Plan to Demand Management.* 

Fiori App



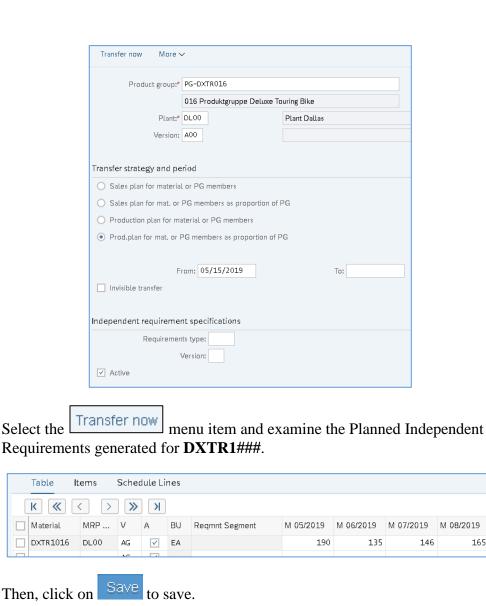
Enter Product group **PG-DXTR###**, Plant **DL00**, and the version saved in the previous task (**A00**).

PG-DXTR### DL00 A00

Select **Prod.plan for mat. or PG members as proportion of PG** and select **Active**.

Then, deselect the **Invisible transfer** indicator to present the disaggregation results on another screen allowing the planner to modify the results before saving them manually to Demand Management.

Prod.plan for mat. or PG members as prop. of PG Active Invisible transfer



DXTR1###

Then, click on Save to save.

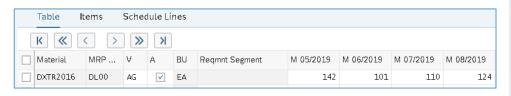
Select the

Table

Material

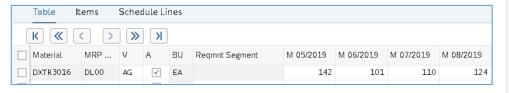
The Planned Independent Requirements generated for **DXTR2**### will now be displayed. Save them with

DXTR2###



DXTR3###

Finally, review the requirements for **DXTR3**### and save them with



to return to the Fiori Launchpad overview. Click on the home icon



# Step 6: Review Demand Management

**Task** Review the requirements for a product group.

Time 10 min

**Short Description** Review the requirements for the product group to ensure that there are production requirements for the individual production items.

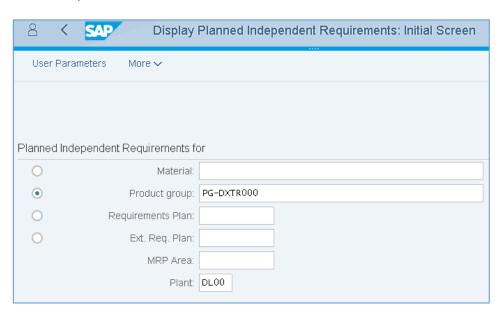
To review planned requirements, use the app *Display PIRs*. (PIR = Planned Independent Requirement).

Fiori App



Select the **Product group** radio button, enter Product group **PG-DXTR###**, Plant **DL00**, and select or click *Enter*.

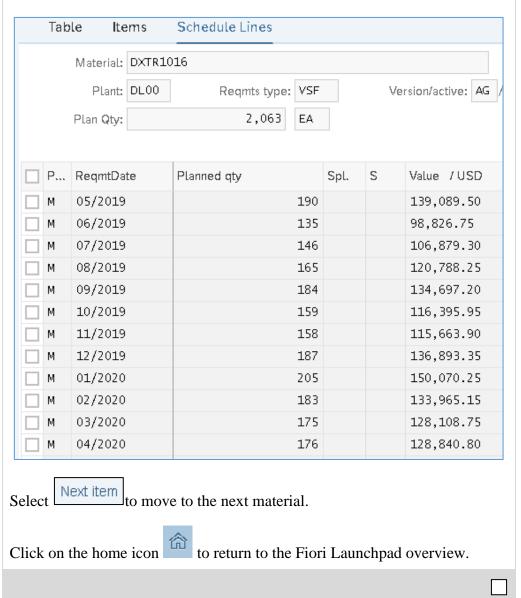
Product group PG-DXTR### DL00



On the *Table* tab, review the Planned Independent Requirements for the Deluxe Touring bike product group by material.



On the *Schedule lines* tab, review the requirement dates, planned quantities, values, and total planned quantities.





## Step 7: Run MPS with MRP

Task Run Master Production Scheduling (MPS).

Time 10

**Short Description** Run Master Production Scheduling (MPS) to generate a series of planned orders that satisfy the requirements from SOP and demand management. Concurrently with MPS, the MRP materials will be processed leading to the generation of planned orders for dependent requirements that have been created by the BOM explosion process.

To run Master Production Scheduling, use the apps *Schedule MRP Run – Run MPS with MRP*.

Fiori App



Enter your material DXTR3###,

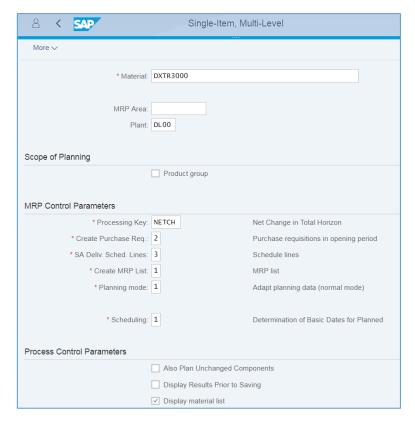
Plant **DL00**,

Processing key **NETCH**,

Select 2 (Purchase requisition in opening period), 3 (Schedule lines), 1 (MRP list), 1 (Adapt planning data (normal mode)), and 1 (Determination of Basic Dates for Planned).

Then, select Display material list.

DXTR3###,
DL00
NETCH
2
3
1
1
Display material
list

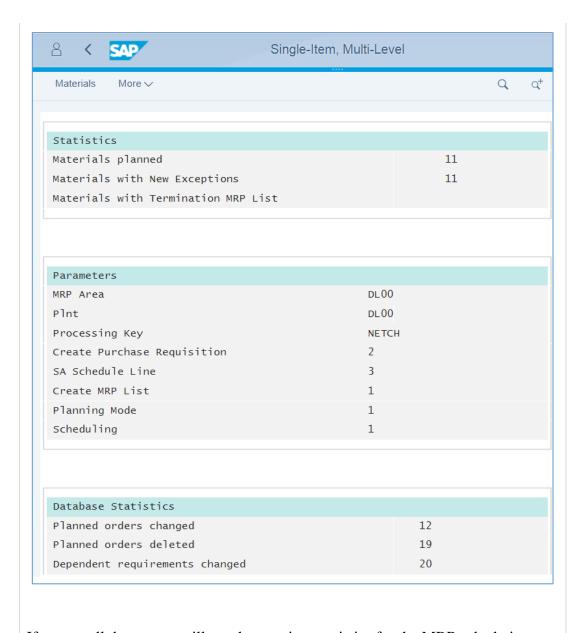


#### Press Enter.

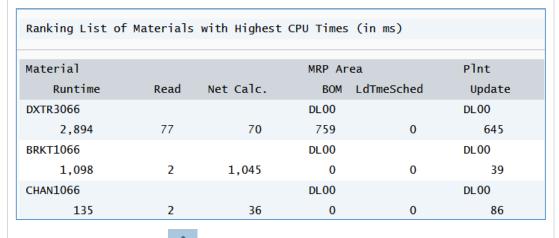
A warning message will appear asking you to check input parameters. Press *Enter* to confirm and bypass the warning message.

**Note** In MRP, a net requirements calculation is executed in the planning run to determine whether a material shortage exists for a certain material. In addition, stock and fixed receipts that currently exist (for example, purchase orders, production orders, fixed purchase requisitions and planned orders) are compared with the safety stock and requirements. The result of this comparison is the quantity available for planning.

If the quantity available for planning is lower than zero, a material shortage exists. MRP reacts to material shortages by creating new procurement proposals (purchase requisitions and planned orders). The suggested procurement quantity results from the lot-sizing procedure that is set in the material master.



If you scroll down, you will see the run-time statistics for the MRP calculation.



Click on the home icon to return to the Fiori Launchpad.



## Step 8: Review Stock/Requirements List

**Task** Review the Stock/Requirements List.

Tin

Stock/F

**Short Description** Review the Stock/Requirements List for your deluxe touring bike.

Name (Position) Lars Iseler (Production Order Worker)

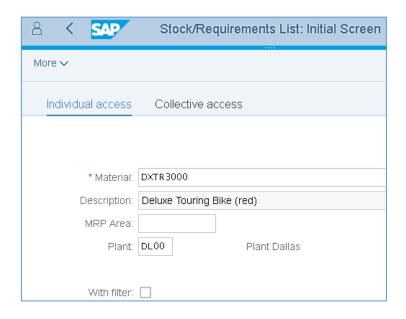
The Stock/Requirements List is a list which dynamically changes whenever a transaction occurs using the given material. Display and review the Stock/Requirements List for all materials of the red deluxe touring bike on hand and the demand that exists against these products. The report shows that there is no stock and therefore nothing is available for use at this time.

To review the Stock/Requirements List, use the SAP Fiori App Monitor Stock / Requirements List.

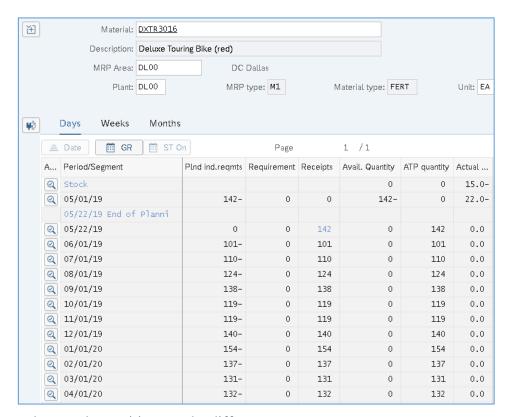


On the Individual access tab, enter Material **DXTR3**### and Plant **DL00** and click on





Choose (Switch to Period Totals). This will allow you to see the planned independent requirements, planned receipts, and Available to Promise (ATP) quantities based on time - days, weeks, or months.

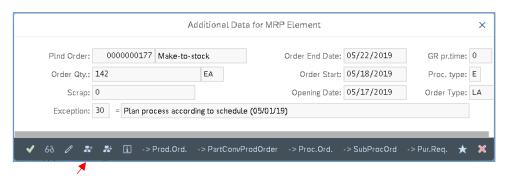


Note that your dates and quantities may be different.

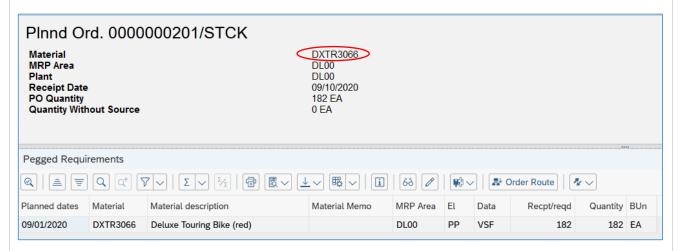
Select to go back to the individual lines.



To view the details of the **first** planned order (**PldOrd**), select (Element Details).



Select (Pegged Requirements).



You can see that this planned order is to fulfill our Safety Stock and the first planned independent requirement that was created when we disaggregated our SOP.

STEP C: Take a screenshot of the *Pegged Requirements* screen as shown above. Make sure to include the Material Code (DXTR3###).

Click on the home icon



to return to the Fiori Launchpad overview.



## Step 9: Convert Planned Order into Production Order

Task Convert a planned order into a production order.

Time 10 min

**Short Description** Convert a planned order generated in the MPS/MRP run to a production order. The stock requirements list displays the suggested planned orders from the MPS run.

Name (Position) Lars Iseler (Production Order Worker)

To convert planned orders into production orders, use the SAP Fiori App *Monitor Stock / Requirements List*.

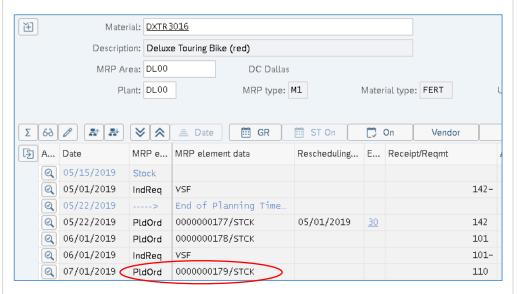
Fiori App



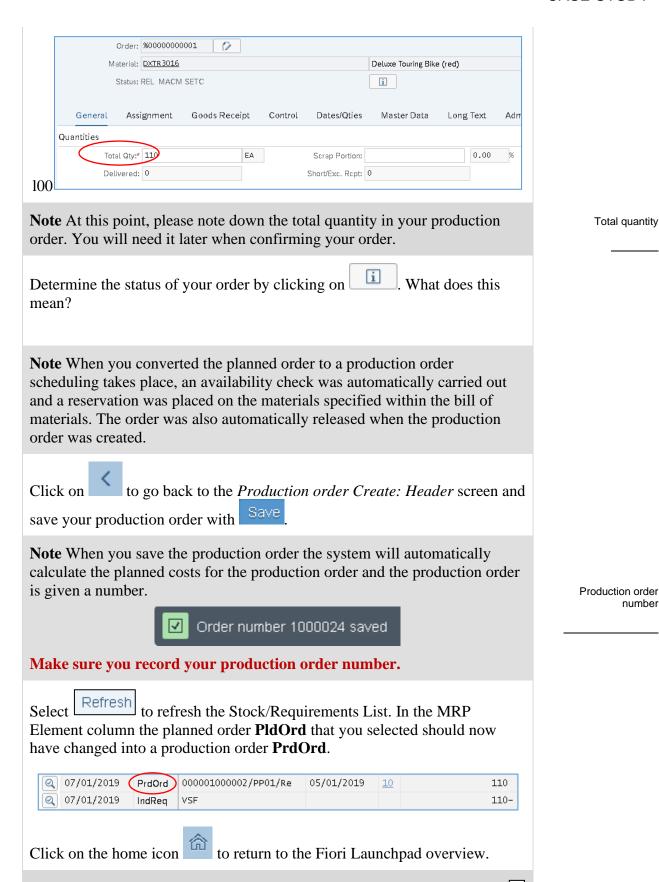
Enter Material **DXTR3###**, Plant **DL00**, and click on double-click on the **third** planned order.

DXTR3### DL00

**Note** that your dates and quantities may be different.



In the Additional Data screen, click on order to production order).





## Step 10: Receive Goods in Inventory

**Task** Receive goods in the Dallas plant.

Time 10 min

**Short Description** Receive enough goods in the Dallas storage locations to start the production process.

Usually, at this point the purchasing department in Dallas would take over and procure enough raw materials from vendors to fill the inventory so that the production process can be initiated. In this case study, we are bypassing this procurement process (this process is explained in the MM unit in detail). Because the inventory for all DXTR3### components is empty, we will assume that we find 500 pieces each in the storage location.

To receive goods in the inventory, use the app *Post Goods Movement*.



Make sure that *Goods Receipt* and *Other* is selected in the drop-down menu.



Enter Movement Type **561** (Receipt per initial entry of stock balances into unrestricted use),

and today's date as Document and Posting Date.

Then, press *Enter*. If necessary, confirm the information pop-up.

If you now click on the *Close Detail Data* button you will be able to enter the ten materials which are the components that are needed in your production order later.

Enter the Material Code in the *Mat. Short Text* field, and the *Quantity* and *Storage Location* as shown below.

561 today

Note that all materials are stored in the **raw materials** storage location in Dallas (**DL00**) except the touring wheel assembly (first component in the list) which is a **semi-finished good**.

Material	Quantity	SLoc
TRWA1### (Touring Aluminum Wheel Assembly)	500	SF00
TRFR3### (Touring Frame-Red)	500	RM00
DGAM1### (Derailleur Gear Assembly)	500	RM00
TRSK1### (Touring Seat Kit)	500	RM00
TRHB1### (Touring Handle Bar)	500	RM00
PEDL1### (Pedal Assembly)	500	RM00
CHAN1## (Chain)	500	RM00
BRKT1### (Brake Kit)	500	RM00
WDOC1### (Warranty Document)	500	RM00
PCKG1### (Packaging)	500	RM00

Enter DL00 as *Plnt* in all of the ten lines. After each line, press *Enter*.

Compare your screen with the screenshot shown below.

Line	Mat. Short Text	Wa	ОК	Qty in UnE	EUn	SLoc
1	Touring Aluminum Wheel Assembly		✓	500	EA	Semi-Fin. Goods
2	Touring Frame-Red		✓	500	EA	Raw Materials
3	Derailleur Gear Assembly		✓	500	EA	Raw Materials
4	Touring Seat Kit		✓	500	EA	Raw Materials
5	Touring Handle Bar		✓	500	EA	Raw Materials
6	Pedal Assembly		✓	500	EA	Raw Materials
7	Chain		✓	500	EA	Raw Materials
8	Brake Kit		✓	500	EA	Raw Materials
9	Warranty Document		✓	500	EA	Raw Materials
10	Packaging		✓	500	EA	Raw Materials

Save your goods receipt with Post and record the material document number.

☑ Material document 4900005129 posted View Details

Click on the home icon to return to the Fiori Launchpad overview.

DL00

TRWA1###
TRFR3###
DGAM1###
TRSK1###
TRHB1###
PEDL1###
CHAN1###
BRKT1###
WDOC1###
PCKG1###

DL00

Material document number



## Step 11: Issue Goods to Production Order

**Task** Issue goods to a production order.

Time 10 min

**Short Description** Now that all necessary components are on stock issue them to your production order in precise quantity.

The goods issue process is fully defined in the production order, BOM, and routing. The quantities and the materials are reserved for this specific production order, they will be withdrawn with reference to the order number and will be used to assign actual costs to the production order for managerial accounting purposes.

Goods issue

To issue goods to a production order, use the app *Post Goods Movement*.

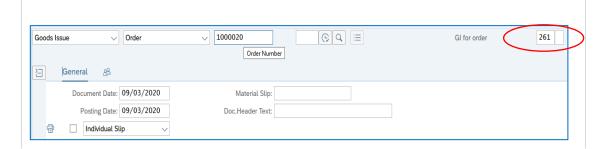
Fiori App



Make sure that *Goods Issue* and *Order* is selected.

**Note** Goods issues posting for the required components is another milestone in the production order process. The following functions are performed when a GI for the components of the production order is posted:

- Storage-location-specific update of the stock and consumption fields
- Reduction of the reservation (for planned withdrawal)
- Update of costs for unplanned withdrawals
- Determination of actual costs (valuation) and order update
- Consumption update
- Generation of material and accounting documents (FI and CO documents)
- Creation of material document.
- Creation of accounting document
- Creation of controlling document
- Printing of GI document



today today 261

	ment Type <b>261</b> (Consumption for as Document Date and Posting			rom wareh	ouse)	,			
Enter your penter.	production order number from	n two	o task	s back (Ste	ep 9).	The	n press		Production order number
If you have	not written down your producti	on o	rder 1	number, yo	u can	finc	l it in th	ie	
•	order to do so, in the Order field or Info System – Input Help for C	-						Q erial	F4
	in the Material field and click of tyour production order number		xecu the i	. Dodoic		k on	the resu	ult	DXTR3###
that need to Location the Assembly (*	I list will appear. It lists all the note issued to your order. You note materials should be withdrawn TRWA1###), enter SF00 (Semi M00 (Raw materials) in the SL	eed to n froi i-fini	o tell m. Fo ished	the system or the Touri goods) and	whating A	t Sto lumi all ot	rage inum W her	heel	SF00 RM00
Line	Mat. Short Text	W	OK	Qty in UnE	EUn		SLoc		
1	Touring Aluminum Wheel Assembly			322	EA	ெ	SF00		
2	Touring Frame-Red			161	EA		RM00		
3	Derailleur Gear Assembly			161	EA		RM00		
4	Touring Seat Kit			161	EA		RM00		
5	Touring Handle Bar			161	EA	ெ	RM00		
6	Pedal Assembly			161	EA		RM00		
7	Chain			161	EA		RM00		
8	Brake Kit			161	EA	ெ	RM00		
9	Warranty Document			161	EA		RM00		
10	Packaging			161	EA	ெ	RM00		
Flag each it number.	em with <b>OK</b> . Click or	n P	ost a	nd record t	he m	ateri	al docu	ment	OK Material
	Material document 4900	0005	130 p	osted Viev	v Det	ails			document number
Click on the	e home icon to return to the	e Fic	ori La	unchpad ov	vervie	ew.			



## Step 12: Review Production Order Status

**Task** Review the production order status.

**Time** 10 min

**Short Description** Review the current production order with respect to the status of the order.

Name (Position) Michael Brauer (Shop Floor Worker 4)

To display the production order, use the app *Display Production Order*.

Fiori App

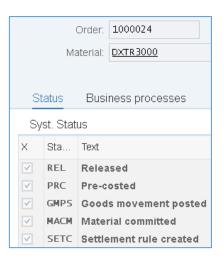


Enter the number of your **production order**.

order

If you have not written down your production order number you can find it in the system. In order to do so, in the Order field press F4 or click on the search icon In the Order Number (1) screen choose the tab Production Orders by Material and Routing, enter your material **DXTR3**### in the Material field and click on Enter. Double-click on the result row to adopt your production order number into the initial screen.

Continue When your production order number is entered, click on Note that the order status has changed and review it by clicking on again.



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Production number

F4

DXTR3###

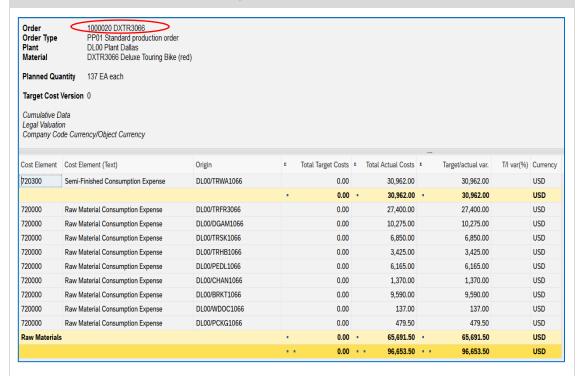
You did a Goods Issue to the production order in the last task. Now, you want to review the cost assigned to the order, the material document, and the corresponding accounting document.

In order to do so, click on to go back to the header screen.

Then in the menu bar select:

More ► Goto ► Costs ► Analysis

Menu bar



Here you can see the costs that were assigned to the production order from our goods issue.

STEP D: Take a screenshot of the *Target/Actual Comparison* screen as shown above. Make sure that you include the Production Order Number and the Material Code (DXTR3###).

Click on the home icon



to return to the Fiori Launchpad overview.



## Step 13: Confirm Production Completion

Task Confirm production order completion.

Time 10 min

**Short Description** Confirm completion for your production order.

Name (Position) Michael Brauer (Shop Floor Worker 4)

When the assembly has been completed for the current production order, we need to confirm that certain procedures and activities have been completed and record the quantity of the finished product that has been manufactured.

Production completion

To confirm production completion, use the app *Enter Production order Confirmation*.

Fiori App



Enter your **production order** number and click on Continue or Enter

Production order number

Yield Quantity.
ce for this order

your amount

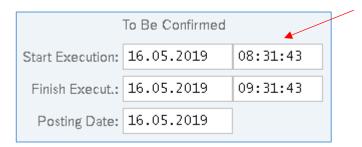
Final Confirm.
Clear Reservation
Amount

Select **Final Confirmation** and **Clear Open Reserv**. In the Yield Quantity. field enter the **amount** of bikes you were supposed to produce for this order (Ref. Step 9) if the field is not already filled. Remember that your amount might be different from the screen below.

Order:	1000002 Status: REL PRC GMPS MACM SETC					
Material:	DXTR3016					
Material Descr.:	Deluxe Touring Bike (red)					
Confirmation Type						
	Partial confirmati	on: O	Clear Open Reservs	.: 🗸		
	Final Confirmati	on:				
	Autom. Final Co	nf.: O				
Actual Data						
	Curr. t/b Conf.	Unit	Confirmed to Date	Planned t/b Conf. Unit		
		EA	0	110 EA		
Yield Quantity:	110					
			0	0		
Yield Quantity:			0	0		

1 hour earlier

Then, change the Start Execution to 1 hour earlier than the default time.



Click on *Enter* and save your entries with



**Note** When the confirmation is saved, labor costs for the order are calculated automatically. The quantity yield also establishes the parameters for the goods receipt into Inventory.

Click on the home icon to return to the Fiori Launchpad overview.



## Step 14: Receive Goods from Production Order

**Task** Post a goods receipt from production order.

Time 15 min

**Short Description** Post a goods receipt from your production order.

Name (Position) Susanne Castro (Receiving Clerk)

Receive the completed products into finished goods inventory. Check the quantity proposed against the quantity specified in the production order and the quantity specified during confirmation. If there are any discrepancies, the system will decide if an error or warning message should be generated depending upon the deviation identified.

Goods receipt

To post a goods receipt, use the app *Post Goods Movement*.

Fiori App



Select *Goods Receipt* and *Order* in the drop-down menu.



Enter Movement Type **101** and your **production order number**. Press *Enter*.

Enter as SLoc **FG00** (Finished Products) and make sure, that the plant DL00 (Plant Dallas) is entered.

Production order number

FG00

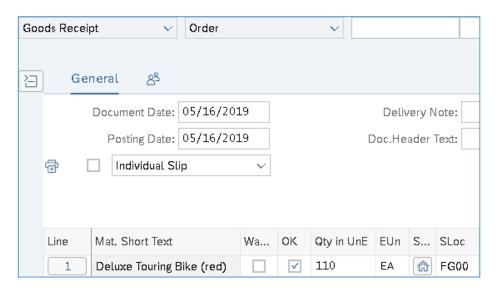
OK

Select **OK** for your item.



Review the item to ensure that all the data is correct.

- Movement Type → 101 (goods receipt into Inventory)
- Storage Location → FG00 (Inventory)
- Quantity → should equal the amount that you confirmed in the previous task



Click on Post to post the goods receipt. When you save this material document the actual value of the material produced was entered into the production order.



Record the material document number.

Click on the home icon to return to the Fiori Launchpad overview.

Material document number



## Step 15: Review Costs Assigned to Production Order

**Task** Review costs assigned to your production order.

Time 5 min

**Short Description** Display and review the costs that have been assigned to your production order.

To display costs assigned, use the app Display Production Order.

Fiori App



Enter your **production order number** and click on

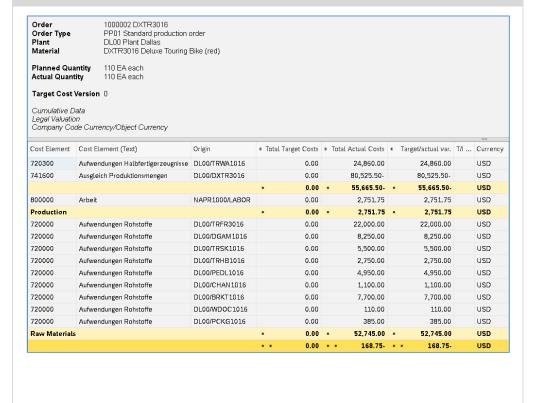


Production order number

In the menu bar select:

More ► Goto ► Costs ► Analysis

Menu bar





Click on the home icon to return to the Fiori Launchpad overview.



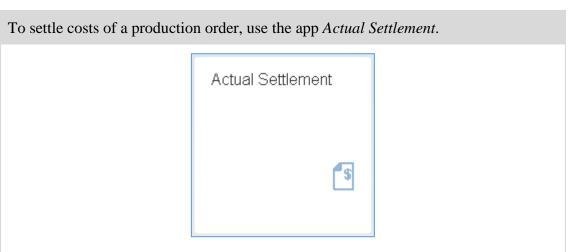
# Step 16: Settle Costs of Production Order

Task Settle costs of your production order.

Time 20 min

**Short Description** Settle the costs of your production order. The costs are temporarily captured in the production order and they need to be assigned to an appropriate cost object. Compare the actual costs to the planned costs to identify any deviations or potential problems in this regard.

Name (Position) Jamie Shamblin (Cost Accountant)

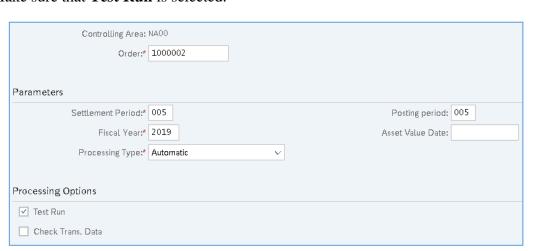


If you have to input the Controlling Area, enter NA00, and click on Continue



Enter your production order number, the **current month** as Settlement period (e.g. 007 for July), the current month as Posting period, and the current year as Fiscal year.

Make sure that **Test Run** is selected.

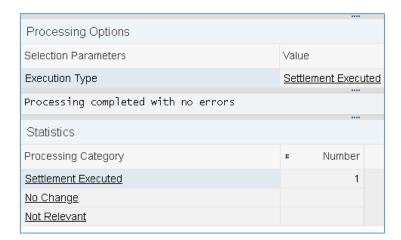


and confirm any occurring pop-ups. Click on

NA00

Fiori App

Production order number current month current month current year Test Run



Click on

Detail lists

In the menu bar choose:

#### More ► Environment ► Report

Menu bar

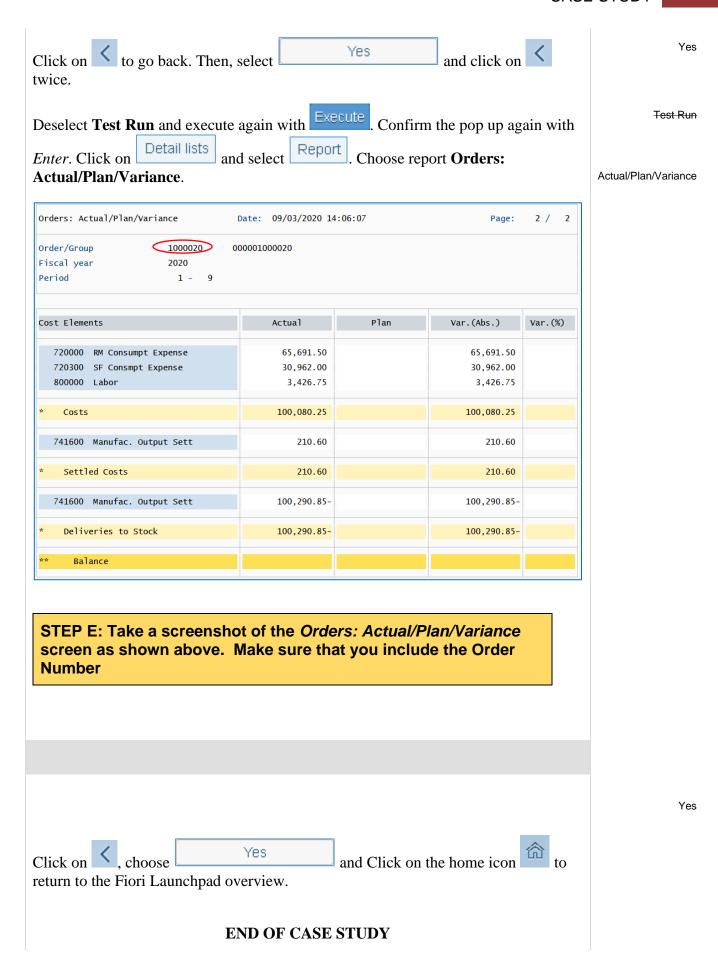
Then, double-click on **Orders: Actual/Plan/Variance** to select the report.

Select Report × Drders: Actual/Plan/Variance Orders: Actual/Plan/Commitments Orders: Drilldown by Partner Orders: Accruals/Category Technical names on/off Choose



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Actual/Plan/Variance



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