

PP 1: Display Stock/Requirements List

Exercise Use the SAP Fiori Launchpad to display the Stock/Requirements List.

Time 5 min

Task Review the material status of your Deluxe Touring bike (finished good) in the Dallas plant using the Stock/Requirements list.

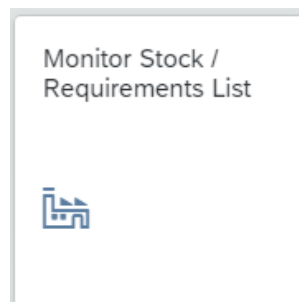
Name (Position) Lars Iseler (Shop Floor Worker 2)

The Stock/Requirements list contains up-to-date information on the current status of inventory on hand, requirements, and receipts. It is a dynamic list that allows you to view changes made to material status.

Stock/Requirements List

To review the material status, in the space *Production Planning and Execution* space and the role of *Shop Floor Worker*, use the app *Monitor Stock / Requirements List*.

Fiori App



Firstly, you need to find the material number(s) for your Deluxe Touring bikes. For this, click the *Material* field and press **F4** (or click on the search icon next to the field). This will open the *Material Number (1)* search screen.

F4

Material Number (1)

Search and Select

M: Material Number/Material Description ▾

Go Hide Filters ⚙

Material description: Language Key: Material:

EN

Items (0)

Go to the T: *Material by Material Type* tab. Use the icon to display a list of all search tabs available.

Material by Material Type

In the *Material Type* field, select **Finished Product (FERT)**. In order to display your Deluxe Touring bikes only, you need to define two more search criteria. First, in the *Material Description* field type **Deluxe Touring***. Second, in the *Material* field (which is the field for the unique material

Finished Product

Deluxe Touring*

*###

number) type *###. Remember to replace ### with your three-digit number, e.g., *014 if your number is 014.

Compare your entries with the screen below before pressing Enter or clicking on **Go** to start the search.

Material Number (1)

Search and Select

T: Material by Material Type ▾ **Go** Hide Filters ⚙

Material Type: FERT Material description: Deluxe Touring* Language Key: EN Material: *400

Items (0)

The result of this search should give you a list of all:

- finished goods,
- names (with a short description) that start with Deluxe Touring,
- material numbers that end with your number (###).

Material Number (1)

Search and Select

T: Material by Material Type ▾ **Go** Hide Filters ⚙

Material Type: FERT Material description: Deluxe Touring* Language Key: EN Material: *400

Items (3)

Material T...	Material description	Langu...	Material
FERT	DELUXE TOURING BIKE (BLACK)	EN	DXTR1400
FERT	DELUXE TOURING BIKE (RED)	EN	DXTR3400
FERT	DELUXE TOURING BIKE (SILVER)	EN	DXTR2400

You should get a list of three different Deluxe Touring bikes – black, red and silver (please note that the material numbers in your screen will be different). Double-click on your black Touring bike which will copy its unique material number (**DXTR1###**) into the *Material* field.

DXTR1###

In addition to the material number, in the *Plant* field select Global Bike's manufacturing facility in Dallas (**DL00**).

DL00

Menu ▾

Individual access Collective access

* Material: DXTR1400

Description:

MRP Area:

Plant: DL00

With filter: ☐

Then, click on **Continue**. You should be displayed a screen similar to the one shown below.

The screenshot shows the SAP Stock/Requirements List for material DXTR1400 (Deluxe Touring Bike (black)) at plant DL00. The available quantity is 250.

A...	Date	MRP e...	MRP element data	Rescheduling...	E...	Receipt/Reqmt	Available Qty
Q	08/02/2023	Stock					250
Q	08/09/2023	----->	End of Planning Tim...				

As you can see, Global Bike has currently 250 black Deluxe Touring bikes on stock. You might see a different amount based on the case studies you did before. Repeat the same procedure for the other two deluxe bikes (red and silver).

How many red Deluxe Touring Bikes are available in Dallas?

_____ pieces

How many silver Deluxe Touring Bikes are stored in the DL00 plant?

_____ pieces

Click to return to the SAP Fiori Launchpad.



PP 2: Display Bill of Material

Exercise Use the SAP Fiori Launchpad to display a bill of material.

Time 10 min

Task Review the components of your black Deluxe Touring bike and the components of the Touring Aluminum Wheel Assembly within the finished bike bill of material.

Name (Position) Jun Lee (Production Manager)

A bill of material (BOM) is a list of the components that are needed to create a given product. The list contains the description, the quantity, and unit of measure. The BOM can contain items of different item categories such as stock items, non-stock items, document items, and text items.

Bill of Material (BOM)

To review a bill of material, in the space *Production Planning and Execution* space and the role of *Production Manager*, use the app *Maintain Bill Of Material – Create, change & display*.

Fiori App




Enter for *material number* **DXTR1###** and **DL00** for the *plant* in **Dallas**.

DXTR1###
DL00


Select **Production** in the dropdown menu for **BOM Usage** as seen below.

Production

Press Enter or  to run the search. You will be shown the parts list of your black Deluxe Touring Bike.

Bills of Material (1)					
Create BOM Create Version BOM Create Alternative Create Version Handover to Manufacturing Copy BOM Assign Plant Remove Plant ...					
Material	Material Description	Plant	BOM Usage	Alternative ...	BOM Version
<input type="radio"/> DXTR1400	Deluxe Touring Bike (black)	Plant Dallas (DL00)	Production (1)	1	>
BOM Version Status: Change Number:					

Click somewhere in the row you found to open the Bill of Material. (Please note that the material numbers in your screen will be different).

<  Maintain Bill of Material Search In: "Apps"					
DXTR1400 Deluxe Touring Bike (black), Plant:Plant Dallas, BOM Usage:Production, Alternative:01					
Selected Date: <input type="text" value="08/02/2023"/> Select Change Number: <input type="text" value="No change number ..."/> View Change Records					
Components Header Attributes Header Attachments Header Long Text					
Standard ▾					
<input type="checkbox"/> Item Nu...	Item Category	Component	Preliminary Component	Component Quantity	Subitems
<input type="checkbox"/> 0010	Stock item (L)	TRWA1400		2.000 EA	Maintain
<input type="checkbox"/> 0020	Stock item (L)	TRFR1400		1.000 EA	Maintain
<input type="checkbox"/> 0030	Stock item (L)	DGAM1400		1.000 EA	Maintain
<input type="checkbox"/> 0040	Stock item (L)	TRSK1400		1.000 EA	Maintain
<input type="checkbox"/> 0050	Stock item (L)	TRHB1400		1.000 EA	Maintain
<input type="checkbox"/> 0060	Stock item (L)	PEDL1400		1.000 EA	Maintain
<input type="checkbox"/> 0070	Stock item (L)	CHAN1400		1.000 EA	Maintain
<input type="checkbox"/> 0080	Stock item (L)	BRKT1400		1.000 EA	Maintain
<input type="checkbox"/> 0090	Stock item (L)	WDOC1400		1.000 EA	Maintain
<input type="checkbox"/> 0100	Stock item (L)	PCKG1400		1.000 EA	Maintain

Scroll to the right to view more information about each component. The column *Assembly Indicator* highlights components that have their own BOMs. In this case, the component *Touring Aluminum Wheel* serves as an example.

Standard ▾ <input type="text" value="Search"/> Software Constraints									
<input type="checkbox"/>	Component Quantity	Subitems	Component Description	Valid From	Valid To	Change Number	Item Identification	Assembly Indicator	
<input type="checkbox"/>	2.000 EA	Maintain	Touring Aluminum Wheel Assembly	01/01/2010	12/31/9999		A0000001	View	>
<input type="checkbox"/>	1.000 EA	Maintain	Touring Frame-Black	01/01/2010	12/31/9999		A0000002		>
<input type="checkbox"/>	1.000 EA	Maintain	Derailleur Gear Assembly	01/01/2010	12/31/9999		A0000003		>
<input type="checkbox"/>	1.000 EA	Maintain	Touring Seat Kit	01/01/2010	12/31/9999		A0000004		>

Click [View](#) in the *Assembly Indicator* column to open the parts list of the Touring Aluminum Wheel.

<div> <div> Maintain Bill of Material </div> <div> <input type="text" value="Search In: 'Apps'"/> </div> </div>						
<div> <div>TRWA1400</div> <div>Touring Aluminum Wheel Assembly, Plant:Plant Dallas, BOM Usage:Production, Alternative:01</div> <div> <div>Edit</div> <div>Assign Change Record</div> </div> </div>						
<div> <div> <div>Selected Date: 08/02/2023</div> <div>Select Change Number: No change number ...</div> <div>View Change Records</div> </div> </div>						
<div> <div>Components</div> <div>Header Attributes</div> <div>Header Attachments</div> <div>Header Long Text</div> </div>						
<div> <div>Standard</div> <div>Search</div> <div>Software Constraints</div> </div>						
<input type="checkbox"/>	Item Nu...	Item Category	Component	Preliminary Component	Component Quantity	Subitems
<input type="checkbox"/>	0010	Stock item (L)	TRTR1400		1.000 EA	Maintain
<input type="checkbox"/>	0020	Stock item (L)	TRTB1400		1.000 EA	Maintain
<input type="checkbox"/>	0030	Stock item (L)	TRWH1400		1.000 EA	Maintain
<input type="checkbox"/>	0040	Stock item (L)	HXNT1400		1.000 EA	Maintain
<input type="checkbox"/>	0050	Stock item (L)	LWSH1400		2.000 EA	Maintain
<input type="checkbox"/>	0060	Stock item (L)	BOLT1400		1.000 EA	Maintain

Thus, this is a multi-level BOM, since components of the BOM contain their own BOM with components

Click once on the back button to navigate back to the Bill of Material of your material DXTR1###.

How many parts of the TRWA1## component are needed to manufacture the DXTR1##?

Repeat the procedure for your red and the silver Deluxe Touring bike to identify the differences in their bills of materials. You can also use multiple windows or tabs of your browser to better compare the BOMs.

Click to return to the SAP Fiori Launchpad.



PP 3: Display Multi-Level Bill of Materials

Exercise Use the SAP Fiori Launchpad to display a multi-level BOM.

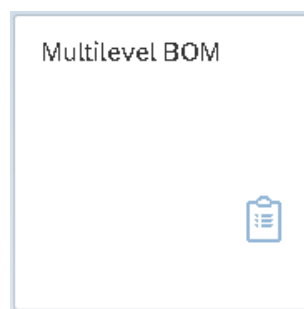
Time 5 min

Task Review the BOM for your black Deluxe Touring bike from a multi-level hierarchy level.

Name (Position) Jun Lee (Production Manager)


To display a multi-level BOM, in the space *Production Planning and Execution* space and the role of *Production Manager*, use the app *Multilevel BOM*.



























Fiori App





In the following screen, enter (or find) *Material DXTR1###* (replace ### with your number), *Plant DL00*, and *BOM Application PP01* (Production-General). Under *Selection* enter **1** for Required quantity.

DXTR1###
DL00
PP01
1


Then, click on  to display the BOM structure for your bike valid today. If a pop-up opens, click Continue.


SAP Display Multilevel BOM Search In: "Apps"							
Menu ▾          							
Material DXTR1400 Plant/Usage/Alt. DL00 / 1 / 01 Description Deluxe Touring Bike (black) Base Qty (EA) 1.000 Reqd Qty (EA) 1							
Explosion level	Item	Obj...	Component number	Object description	Ovfl	Comp. Qty (CUn)	Unit
.1	0010		TRWA1400	Touring Aluminum Wheel As...		2	EA
..2	0010		TRTR1400	Touring Tire		2	EA
..2	0020		TRTB1400	Touring Tube		2	EA
..2	0030		TRWH1400	Touring Aluminum Wheel		2	EA
..2	0040		HXNT1400	Hex Nut 5 mm		2	EA
..2	0050		LWSH1400	Lock Washer 5 mm		4	EA
..2	0060		BOLT1400	Socket Head Bolt 5x20mm		2	EA
.1	0020		TRFR1400	Touring Frame-Black		1	EA
.1	0030		DGAM1400	Derailleur Gear Assembly		1	EA
.1	0040		TRSK1400	Touring Seat Kit		1	EA
.1	0050		TRHB1400	Touring Handle Bar		1	EA
.1	0060		PEDL1400	Pedal Assembly		1	EA
.1	0070		CHAN1400	Chain		1	EA
.1	0080		BRKT1400	Brake Kit		1	EA
.1	0090		WDOC1400	Warranty Document		1	EA
.1	0100		PCKG1400	Packaging		1	EA

You will now see a summarized list of all materials required for both the Deluxe Touring Bike (DXTR1##) and the Touring Aluminum Bike (TRWA1##). In contrast to the previous task, in which individual parts lists were considered, all materials for the touring aluminum bike are now also multiplied by the corresponding quantity required. This means that the total consumption of all materials can be examined across all stages.

Click on  to go back to the initial screen. There, you click on . On the following screen, in the *Display* field group select **Variable list**.

Variable list

 **Explode BOM: Multilevel BOM: View** Search In: "Apps"


Menu 

Define view Alt priority Scrap


Display ☒ Variable list






Display:

Print:


Keep the fields that were filled in by the system and click on  to display the list in the newly selected representation.

You will get an overview of all used items.


 **Explode BOM: Multilevel BOM**

Menu     

Material	DXTR1400	DL00	Alt.	Usage 1
	Deluxe Touring Bike (black)			Valid 01/01/2010
Reqd qty	1.000 EA	Base quant		1.000 EA
Level no.	Item Component no.	Quant	UoM	Ict
	Description			Ex.
.1	0010 TRWA1400 Touring Aluminum Wheel Assembly	2.000 EA	L	
..2	0010 TRTR1400 Touring Tire	2.000 EA	L	
..2	0020 TRTB1400 Touring Tube	2.000 EA	L	
..2	0030 TRWH1400 Touring Aluminum Wheel	2.000 EA	L	
..2	0040 HXNT1400 Hex Nut 5 mm	2.000 EA	L	
..2	0050 LWSH1400 Lock Washer 5 mm	4.000 EA	L	


In addition to a different display format, the interaction options have also changed compared to the previous display. Select the *TRWA1##* component and click .


<





Where-Used List: Material


Menu











Material


TRWA1400

Touring Aluminum Wheel Assembly

Key Date

08/02/2023

Lv	B	Plnt	Material	Rv	Al Item	ReqQty	Un	Resulting qty	UoM
Object description								Cl	DeI
1	1	DL00	DXTR1400		0010	2.000	EA	1.000	EA
Deluxe Touring Bike (black)									
1	1	DL00	DXTR2400		0010	2.000	EA	1.000	EA
Deluxe Touring Bike (silver)									
1	1	DL00	DXTR3400		0010	2.000	EA	1.000	EA
Deluxe Touring Bike (red)									

Click  to return to the SAP Fiori Launchpad.



PP 4: Display Routing

Exercise Use SAP Fiori Launchpad to display a routing.

Time 10 min

Task Review the routing for your black Deluxe Touring bike.

Name (Position) Jun Lee (Production Manager)

A routing is a series of sequential operations that are carried out to produce an end product. Routings contain information about where work needs to be performed, steps that need to be completed, and timelines assigned for each operation.

Routing

To review a routing, in the space *Production Planning and Execution* space and the role of *Production Manager*, use the app *Display Routing*.


Fiori App








Display Routing

Enter **Material DXTR1###** and **Plant DL00**.

DXTR1###
DL00

Then, click on  to display the following list of operations.

 **Display Routing: Operation Overview**

Menu       

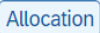
Group: Group Counter:

Material: Deluxe Touring Bike (black)

Sequence: Sequence Desc.:

Operation Overview

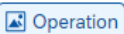
Op...	SOp	Work Ce...	Plant	Con...	Standard...	Description	Lo...	PRT
<input type="checkbox"/> 0010		ASSY1000	DL00	ASSY		Material staging	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 0020		ASSY1000	DL00	ASSY		Attach seat to frame	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 0030		ASSY1000	DL00	ASSY		Attach handle bar assembly	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 0040		ASSY1000	DL00	ASSY		Attach derailleur gear asm. to wheel	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 0050		ASSY1000	DL00	ASSY		Attach front and rear wheels to chain	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 0060		ASSY1000	DL00	ASSY		Attach brakes	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 0070		ASSY1000	DL00	ASSY		Attach peddles	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 0080		INSP1000	DL00	ASSY		Test bike	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 0090		PACK1000	DL00	ASSY		Disassemble	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 0100		PACK1000	DL00	ASSY		Pack bike	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 0110		PACK1000	DL00	ASSY		Move to storage	<input type="checkbox"/>	<input type="checkbox"/>

Select  to display the list of components. If you don't see the button Allocation follow the path **Menu ► Goto ► Allocation**.

Note None of the components is specifically assigned to an operation. The corresponding *Activity* column is empty for each component.

Item Overview

Ph...	Le...	Path	It...	Component	Quantity	Sort String	Un...	It...	Ba...	Activity	Seq.
<input type="checkbox"/>	<input type="checkbox"/>	0	0	0010	TRWA1400	2		EA	L		
<input type="checkbox"/>	<input type="checkbox"/>	0	0	0020	TRFR1400	1		EA	L		
<input type="checkbox"/>	<input type="checkbox"/>	0	0	0030	DGAM1400	1		EA	L		
<input type="checkbox"/>	<input type="checkbox"/>	0	0	0040	TRSK1400	1		EA	L		
<input type="checkbox"/>	<input type="checkbox"/>	0	0	0050	TRHB1400	1		EA	L		
<input type="checkbox"/>	<input type="checkbox"/>	0	0	0060	PEDL1400	1		EA	L		
<input type="checkbox"/>	<input type="checkbox"/>	0	0	0070	CHAN1400	1		EA	L		
<input type="checkbox"/>	<input type="checkbox"/>	0	0	0080	BRKT1400	1		EA	L		
<input type="checkbox"/>	<input type="checkbox"/>	0	0	0090	WDOC1400	1		EA	L		
<input type="checkbox"/>	<input type="checkbox"/>	0	0	0100	PCKG1400	1		EA	L		

Select  to go back to the operation overview. Then find the following system menu item:

Menu ► Extras ► Scheduling ► Schedule

A popup for setting the scheduling appears. Enter **1** as the scheduling type and **10** as the lot size.

1
10

Scheduling ✕


Basic dates

Start Date:

Finish Date:

Scheduling type:

Lot Size:


Press . In the following popup, select as *overview var.* **000000000001** (operation segments). You can also use the value help for this.

000000000001

Enter overview variant ✕

* Overview var.:

✓ ✕

Press  again. An overview of all operations, the latest start times and the respective setup, machining and teardown times is displayed.

Material DXTR1400

Deluxe Touring BikeGrpCounte1


Objects

Objects										
Act.	Work Center	Latest start		Queue	Setup	Edit	Teardown	Wait	Transport	

<input type="checkbox"/> Sequence	0	Std. seq.								
<input type="checkbox"/> 0010	ASSY1000	08/03/2023	08:00:00	0.0	0.0 MIN	6.7 MIN	0.0 MIN	0.0	0.0	
<input type="checkbox"/> 0020	ASSY1000	08/03/2023	08:07:30	0.0	0.0 MIN	10.0 MIN	0.0 MIN	0.0	0.0	
<input type="checkbox"/> 0030	ASSY1000	08/03/2023	08:18:45	0.0	0.0 MIN	20.0 MIN	0.0 MIN	0.0	0.0	
<input type="checkbox"/> 0040	ASSY1000	08/03/2023	08:41:15	0.0	0.0 MIN	20.0 MIN	0.0 MIN	0.0	0.0	
<input type="checkbox"/> 0050	ASSY1000	08/03/2023	09:03:45	0.0	0.0 MIN	50.0 MIN	0.0 MIN	0.0	0.0	
<input type="checkbox"/> 0060	ASSY1000	08/03/2023	10:00:00	0.0	0.0 MIN	20.0 MIN	0.0 MIN	0.0	0.0	
<input type="checkbox"/> 0070	ASSY1000	08/03/2023	10:22:30	0.0	0.0 MIN	20.0 MIN	0.0 MIN	0.0	0.0	
<input type="checkbox"/> 0080	INSP1000	08/03/2023	10:45:00	0.0	2.0 MIN	50.0 MIN	0.0 MIN	0.0	0.0	
<input type="checkbox"/> 0090	PACK1000	08/03/2023	11:43:30	0.0	0.0 MIN	50.0 MIN	0.0 MIN	0.0	0.0	
<input type="checkbox"/> 0100	PACK1000	08/03/2023	12:39:45	0.0	0.0 MIN	50.0 MIN	0.0 MIN	0.0	0.0	
<input type="checkbox"/> 0110	PACK1000	08/03/2023	13:36:00	0.0	0.0 MIN	3.3 MIN	0.0 MIN	0.0	0.0	

How long does sequence 0090 take?

What is the total processing time?

Click  to return to the SAP Fiori Launchpad.



PP 5: Display Work Center

Exercise Use the SAP Fiori Launchpad to display a work center.

Time 15 min

Task Review a work center in Global Bike's plant in Dallas.

Name (Position) Jun Lee (Production Manager)


A work center is a location where operations are carried out for a production order. Capacities (setup, machine, and labor) are assigned to work centers so that they can be allocated and consumed within an order in a controlled and predictable manner. The work center capacity is created in and assigned to a single work center.

Work center

To review a work center and the capacity assigned to it, in the space *Production Planning and Execution* space and the role of *Production Manager*, use the app *Display Work Center*.

Fiori App





Enter *Plant DL00*. In the *Work center* field, use the **F4** help and choose Enter to display all work centers in Dallas. Then click in the *Work center* field and select the value help icon .






DL00
F4

Work Center (1)

[Search and Select](#)

A: Work Center Category 

Go Hide Filters 

Work Center Category:	Plant:	Work Center:	Description:	Language Key:
	DL00 			EN 

Items (0)

Accept the default settings and press **Go** to display all workstations in Dallas.

Work Center (1)

Search and Select

A: Work Center Category ▾ Go Hide Filters

Work Center Category: Plant: Work Center: Description: Language Key:

Items (14) Find Find next Add to Favorites

Cat.	P...	Work ...	Short description	Langua...
0001	DL00	APHS3000	DL Handling Station	EN
0001	DL00	APPL1000	DL Pallet Warehouse	EN
0001	DL00	APPR2000	DL Press	EN
0001	DL00	COTM1000	DL Coating Thickness Measurement	EN
0001	DL00	CRAN1000	DL Vacuum Crane	EN
0001	DL00	POCO1000	DL Powder Coating	EN
0001	DL00	POLG1000	DL Polishing	EN
0003	DL00	ASSY1000	DL Assembly	EN
0003	DL00	DVLP1000	DL Development	EN
0003	DL00	INSP1000	DL Inspection	EN
0003	DL00	MANT1000	DL Maintenance	EN
0003	DL00	PACK1000	DL Packaging	EN
0003	DL00	PROC1000	DL Procurement	EN

OK Cancel

In the search results, click on the **DL Assembly** work center to select it and press OK to copy its number (**ASSY1000**).

ASSY1000

< **SAP** Display Work Center: Initial Screen

Menu ▾ Basic Data Scheduling Capacities

Plant:

Work Center:

Back in the *Display Work Center: Initial Screen* press Basic Data.



On the *Basic Data* tab, find out who is the person responsible.

On the *Default Values* tab, click in the *Control key* field (**ASSY**) and select the value help icon . In the following popup, the entry Routing/Ref. op. set – internal proc. (**ASSY**) is already selected.






ASSY
F4

Restrict Value Range (1)


Search and Select


Restrictions  Hide Filters 


Control Key:	Control Key Desc.:	Confirmations:	Print Confirmation:	External Processing:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Scheduling:	Insp. Char. Required:	Gen. Costs Activity:	Date definition:	Automatic GR:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dummy:	Print Time Tickets:	Print:	Cost:	Det. Cap. Reqmnts:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Service:	Rework:	Sched. External Op.:		
<input type="text"/>	<input type="text"/>	<input type="text"/>		

Items (30)     

Ctrl	Control Key Description	C...	Print C...	ExtP...	Sch...
■	ASSY Routing/Ref. op. set - internal proc.	2	X		X
■	ME01 ME Routing/Ref. op. set - internal proc.				X
■	ME02 ME Routing - in-house prod. with check				X
■	ME03 ME Routing - in-house prod. w. auto. GR				X
■	PD01 PD resource plng "internal processing"		X		X
■	PI01 Process manufacturing				X

Press  to return to the *Display Work Center: Scheduling*. Then select the *Scheduling* tab.

In the *Scheduling* tab, click  next to the *Processing Duration* field. You will see the formula used for this formula key.

Display Formula 

Formula Key


Formula key: Description:


Formula


Formula:

Formula Indicator

☒ Generate
 ☐ PRT for reqmts
☒ Costing allowed
 ☒ Allowed sched.
☐ WkCtr for reqmts



After checking the formula, press  to continue.

After selecting  (Test formula) at the bottom of the screen, enter *Operation Quantity 1 EA*, *Base Quantity 1*, *No. of Splits 2*, *Setup 7 MIN*, and *Labor 7 MIN*.

1 EA
1
2
7 MIN
7 MIN

Test Formula

General values


* Operation Quantity: 1 EA
* Base Quantity: 1
* No. of Splits: 2

Standard values

Setup: 7 MIN
Machine: MIN
Labor: 7 MIN

Values for internal processing

Normal duration:
Work:
Number of employees: 1.00
Number: 1

Then, select . The total duration for the specified operation quantity is now determined on the basis of the standard values.

Test Formula


Duration with Operation Segments


Setup Durat.: 7.000 MIN
Process. Durat.: 3.500 MIN
Teardown Dur.: 0.000 MIN

Tot. Duratn: 10.500 MIN

Duration of Internal Processing

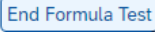
Duration Int. Process.: 0.000 MIN




Click on  to continue. The formula for process duration is:

$$\text{Process Duration} = (((\text{Labor} * \text{Operation quantity}) / \text{Base quantity}) / \text{Operation splits})$$

Did the Processing formula work correctly?

Select  to go back.

Click  to return to the SAP Fiori Launchpad.

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