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|  | PP 1: Display Stock/Requirements List | |
| **Exercise** Use the SAP Fiori Launchpad to display the Stock/Requirements List.  **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 (Production Order Worker) | | **Time** 5 min |
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| 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 |
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| To review the material status, use the app *Monitor Stock / Requirements List*. | | Fiori App |
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| First of all, you need to find the material number(s) for your Deluxe Touring bikes. In order to do so, click in the Material field and press **F4** (or click on the search icon  next to the field). This will produce the Material Number search screen. | | F4 |
|  | |  |
| Go to the Material by Material Type tab. Use the  icon (in the top-right corner) to display a list of all search tabs available. | |  |
| 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\***. Second, in the Material field (which is the field for the unique material number) type **\*###**. Remember to replace ### with your three-digit number, e.g. \*014 if your number is 014. | | Finished Product  Deluxe\*  \*### |
| Compare your entries with the screen below before pressing Enter or clicking on  to start the search. | |  |
|  | |  |
| The result of this search should give you a list of:  a) all finished goods,  b) which name (short description) starts with Deluxe,  c) which material numbers end with your number (###). | |  |
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| 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 GBI’s manufacturing facility in Dallas (**DL00**). Then, press Enter. You should be displayed a screen similar to the one shown below. | | DL00 |
|  | |  |
| As you can see, GBI has currently 240 black Deluxe Touring bikes on stock. 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. | |  |
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|  | PP 2: Display Bill of Material | | |
| **Exercise** Use the SAP Fiori Launchpad to display a bill of material.  **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 Supervisor) | | **Time** 10 min | |
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| 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, use the app *Maintain Bill Of Material – Create, change & display*. | | | Fiori App |
|  | | |  |
| Enter for material number **DXTR1###** and use the **F4** help to find your plant in **Dallas**. | | | DXTR1###  F4  DL00 |
| Click in the BOM Usage field and use **F4** to display possible usage types. In the pop up *BOM Usage* enter nothing and press just . | | | F4 |
| Select usage type **1** for plant DL00. Then, press Enter or . Back in the screen *Maintain Bill of Material* choose . | | | 1 |
| Select your material and click on  to display the BOM of your black Deluxe Touring bike (please note that the material numbers in your screen will be different). | | |  |
|  | | |  |
| Scroll down to display information about the Base unit of measure or the Bill of Material number. | | |  |
| Select the Touring Aluminum Wheel Assembly (TRWA1###) and click on . | | | TRWA1### |
|  | | |  |
| Choose once  to go back to the Bill of Material of your material DXTR1###. | | |  |
| What is the Base unit of measure of the material? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | |  |
| Repeat the procedure for your red and the silver Deluxe Touring bike to identify the differences in their bills of materials. | | |  |
| Click  to return to the SAP Fiori Launchpad. | | |  |
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|  | PP 3: Display Multi-Level Bill of Materials | |
| **Exercise** Use the SAP Fiori Launchpad to display a multi-level BOM.  **Task** Review the BOM for your black Deluxe Touring bike from a multi-level hierarchy level.  **Name (Position)** Jun Lee (Production Supervisor) | | **Time** 5 min |
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| To display a multi-level BOM, use the app *Multilevel BOM.* | | Fiori App |
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| 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 quantity.  Then, click on  to display the BOM structure for your bike valid today. If a pop-up occurs click Continue. | | DXTR1###  DL00  PP01  1 |
|  | |  |
| 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** and click on. | | Variable list |
|  | |  |
| You will get an overview of all used items. | |  |
|  | |  |
| Select the line of the component TRWA1000 (Touring Aluminum Wheel Assembly) and choose . | |  |
| Which materials are using the Touring Aluminum Wheel Assembly and how much are needed?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |  |
| Click  to return to the SAP Fiori Launchpad. | |  |
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|  | PP 4: Display Routing | |
| **Exercise** Use SAP Fiori Launchpad to display a routing.  **Task** Review the routing for your black Deluxe Touring bike.  **Name (Position)** Jun Lee (Production Supervisor) | | **Time** 10 min |
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| A routing is a series of sequential operations carried out to produce an end product. Routings contain information on where work is to be performed, steps that need to be completed, and time lines assigned for each operation. | | Routing |
|  | |  |
| To review a routing, use the app *Display Routing*. | | Fiori App |
|  | |  |
| Enter Material **DXTR1###** and Plant **DL00**. | | DXTR1###  DL00 |
|  | |  |
| Then, click on  to display the following list of operations. | |  |
|  | |  |
| None of them is assigned to any specific operation (note that column Oper./Act. is empty). Select  to display the list of components. | |  |
| Select  **or**  **to go back to the operation overview.**  Then find the following system menu item: | |  |
| More ► Extras ► Scheduling ► Schedule  This should produce the following screen. | |  |
|  | |  |
| Enter Scheduling type **1** and Lot size **10**. Click on . In the following screen, find or enter overview variant **000000000001** (Operation segments). Confirm your entry with . | | 1  10  000000000001 |
| How long does sequence 0090 take?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |  |
| Choose . What is the Usage?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |  |
| Click  to return to the SAP Fiori Launchpad. | |  |
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|  | PP 5: Display Work Center | | |
| **Exercise** Use the SAP Fiori Launchpad to display a work center.  **Task** Review a work center in GBI’s plant in Dallas.  **Name (Position)** Jun Lee (Production Supervisor) | | **Time** 15 min |
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| 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, 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. | | DL00  F4 |
|  | |  |
| In the search results, double-click on the DL Assembly work center to select it which should copy its number (**ASSY1000**). | | ASSY1000 |
|  | |  |
| Back in the Display Work Center: Initial Screen choose Enter. | |  |
| 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 **F4**. On the following screen, single-click on the ASSY. Then, select  which indicates what data is required when ASSY is used. | | ASSY  F4 |
|  | |  |
| Select . Click on the Scheduling tab. | |  |
| On the Scheduling tab, click in the Processing Duration field and select  (Display formula). After acknowledging the formula, press  to continue. | |  |
| After selecting  (Test formula), enter Operation Quantity **100 EA**, Base Quantity **1**, No. of Splits **2**, Setup **7 MIN**, and Labor **7 MIN**. | | 100 EA  1  2  7 MIN  7 MIN |
|  | |  |
| Then, select . The following screen will appear. | |  |
|  | |  |
| Click on  to continue. The formula for process duration is:  Process Duration = (((Labor \* Operation quantity) / Base quantity) / Operation splits) Did the Processing formula work correctly? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |  |
| Select  to go back. | |  |
| Click  to return to the SAP Fiori Launchpad. | |  |
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