Infor LN Manufacturing User's Guide for SFC Operator Workbench

Publication Information

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About this document

This document describes the use of the SFC Operator Workbench, which provides easy access to the information required to manage the manufacturing process for shop floor orders. The layout, navigation, user settings, and features of the workbench are also detailed.

Document summary

This user's guide explains the various concepts and process available in the SFC Operator Workbench.

How to read this document

This document is assembled from online Help topics. As a result, references to other sections in the manual are presented as shown in the following example:

For details, refer to Infor LN Manufacturing Online Help.

Please refer to the Table of Contents to locate the referred section.

Underlined terms indicate a link to a glossary definition. If you view this document online and you click on underlined text, you jump to the glossary definition at the end of this document.

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Chapter 1
SFC Operator Workbench

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This chapter provides an introduction about the SFC Operator Workbench functionality, in Manufacturing.

Introduction to SFC Operator Workbench

The SFC Operator Workbench makes it possible for a work center/machine operator to :

- Record production order operation set up time.
- Record production order operation run time.
- Register completed quantities.
- Register rejected quantities.
- Report operations complete.
- View production order operation data, including operation steps, instructions, materials, tools, texts, and related documents.
- Filter and sort operation data.

The operator can also:

- Retrieve related documents or files via Content Assistant.
- View in-context information using the In-Context BI web parts.

Positioning

This workbench is positioned along with the Shop Floor Control sessions in the Infor LN Manufacturing.

Launching the Workbench

To access this workbench, go to Manufacturing > Shop Floor Control > Production Order Control > SFC Operator Workbench (tisfc8350m500).

The workbench can also be started by running the SFC Operator Workbench (tisfc8350m000) session, using Infor Workspace.

Layout

The workbench includes these sections:

- Toolbar and selection section: This section displays various options:
  - Update the Screen / User Setting options: Use this options to update the data and to set the default/personalized layout.
  - Work Center: A list of main work centers and sub work centers for the current company.
  - A planned production start date/time : The operations data that is displayed includes a planned production start up including the selected Planned Production Start.
  - Operator: The list of the operators using the workbench. The operator you select, is the current user of the workbench.
- Actions Sections: This section displays buttons that trigger an action such as Setup, Run, Stop and so on.
- Operations Section: This section displays the operations based on the data selected in the selection section. The data in this section is populated from the Production Orders (tisfc0501m000) session, for the work centers selected.
- Operations Steps and Instructions: This section displays the operation steps and instructions for the selected operation.
- Material : This section displays the material that is required for the selected operation.
- Tools and Text : This section displays the tools required for the selected operation. The text section displays the text related to the production order, operation, task or operation step.
- Message Section: This section displays errors / warnings message and information related to SFC operator.

Chapter 2
SFC Operator Workbench Toolbar and Icons

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This chapter provides a detailed description of the various toolbar options and the icons that help the user to navigate the workbench, easily.

Workbench Navigation

Toolbar

The following options are available:

-

- **Update the Screen**
  Updates the production order operation data from Infor LN.

- **Work Center**
  A list of all main work centers and sub work centers for the current company are displayed. These work centers are defined in the Work Centers (tirou0101m000) session. You can view the production order operation data for the selected work center(s). By default, Infor LN selects the work center related to the user who logs in. This department must be a work center or sub work center defined in the Employees - General (tccom0101m000) session.

- **Planned Production Start**
  The operations data that is displayed includes a planned production start up including the selected Planned Production Start date.

- **Operator**
  The list of operators displayed is selected from the Employees - General (tccom0101m000) session and the Employees - People (bpmdm0101m000) session. The **Department** of the employee must be of type **Work Center** in the Departments (tcmcs0565m000) session. The changes recorded for the production order processes in the specified time period are logged against the selected operator. The registration of quantities is independent of the selected operator, Infor LN does not register the operator who specifies the quantities or completes the operation.

> **Note**
>
> When you access the workbench for the first time, the default view includes:
>
> - The work center related to the user who logs in, is selected. This department must be a work center or sub work center defined in the Employees - General (tccom0101m000) session.
> - The current date is defaulted as the Planned Production Start date.
> - Only production order operations with status 'Ready To Start', 'Started', 'Active', or 'Blocked'.

Icons

The following icons are used in the JSC operator workbench:

- **Operation not started**

    ⭕ This symbol is displayed as long as no time recording is started or no quantities are registered.

- **Setup In process**

    🔧 This symbol is displayed as soon as the setup time recording is started.

- **Production In process**

    ⚙️ This symbol is displayed as soon as run time recording is initiated, or when quantities are registered. The operators who record setup time for the operation must not be available.

- **Operation Completed**

    ✅ This symbol is displayed as soon as the operation is reported complete.

- 👤 and 👥 - This represent the operators (single or multiple) who have recorded time for the specific operation. The blue icon represents the current selected operator, and the grey icon represents the other operators.

- 🕐 - This indicator displays the time that is being recorded for the operation. The blue icon represents that the record applies to the current operator and the grey icon represents all other operators.

■

● ●   ● and   - Indicates that an operation requires attention. The   indicates that the situation

● is critical, for example when the operation is late or blocked.   indicate that the situation is less critical, for example when quantities are registered, but time is not being recorded.

Workspace In-Context BI

Since the JSC Operator Workbench is initiated from Workspace, the in-context BI web part can be triggered and the web parts display information based on the data sent from the JSC Operator Workbench.

The following content is displayed when you select an operation\ operation step\ material\ tool:

- Content attached to the production order
- Content attached to the operation
- Content attached to the item of the operation
- Content attached to the operation step
- Content attached to the material line
- Content attached to the material (item)
- Content attached to the tool
- Content attached to the tool type/item

Chapter 3
Personalization

<div style="text-align: right;">**3**</div>

This chapter explains the various settings available for the user.

User Settings

This workbench provides various user settings which can be used to personalized the view and the layout.

- Workbench Settings:
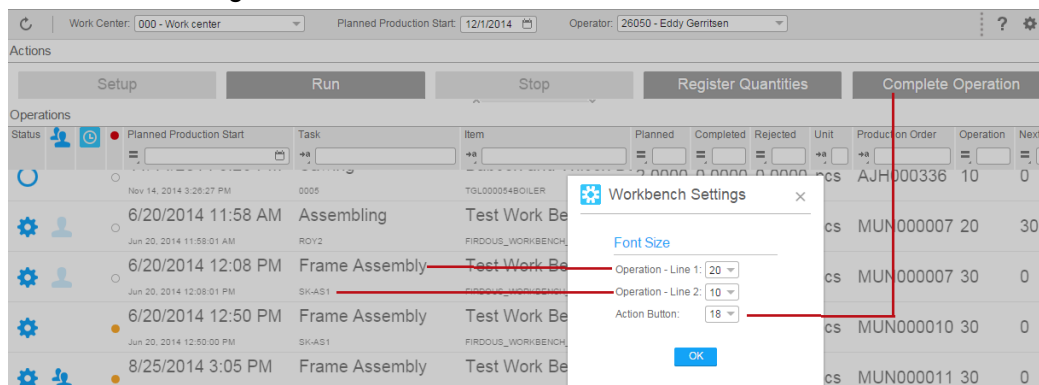
- From the Workbench Settings, the user can change the font sizes of the operations or the action buttons. This helps in adjusting the number of operations displayed. The user can save these settings by selecting the 'Save Defaults' option from the Settings menu.

- Save Default : You can use this option to save your default setting. The same view is available every time you access the workbench.

- Clear Default : You can use this option to clear the default setting. After you clear the setting, the Infor LN, default view is displayed when you access the workbench.

- Get Defaults : Use this option to view the default setting.

- Clear Layout Personalisation: You can use this option to clear your personalized view.

- Get Layout Personalisation: You can use this option to retrieve the personalized view saved previously.

- About : Displays the company logo and provides the version and copyright information.
- Save Layout Personalisation: You can use this option to save your own personalized view. The following is saved:
  - The position of the panes
  - The column ordering of all the grids
  - The order in which the columns are displayed.
  - The position of the frozen column separator.

Note

The layout is saved for the current company and user in the Session Personalizations (ttadv9100m000).

Chapter 4
Hours Registration

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This chapter explains the process used by the operator to register the hours.

Time Recording

Hours registration process comprises of the following steps:

Set-up the Time Recording

The workbench can record time taken by the operator to complete the task. The operator uses the Setup button, to record the time.

To start the time recording, click the Setup button. The time recording stops when the Stop or Run button is clicked. To resume the time recording, select the operation for which the recording is to be started and click the Setup button.

It is possible to record the time for multiple operators for one operation, by changing the operator in the Operation Selection pane before you click the Setup for an operation for which the time recording has been stopped.

The setup time is registered in the Production Order Hours (bptmm1120m000) session.

> **Note**
>
> The Setup button is only available if:
>
> - The **Split Hours in Setup and Production** parameter is selected in the Shop Floor Control Parameters (tisfc0500m000) session.
> - The **Split Hours in Setup and Production** field is selected in Production Orders (tisfc0501m000) session for the selected production order operation.
> - The **Backflush Hours** parameters is not selected for the production order operation for which the time must be recorded.
> - The selected production order operation can not be fully **Blocked**.

Run the Time Recording

The workbench can record production order operation run time, using the Run button. The Run button applies to the selected operation and the selected operator.

To start a run-time recording, click the Run button in the Action pane. To stop recording click the Stop button. To resume recording click the Run button after selecting the operation for which the recording is to be resumed.

It is possible to record the time for multiple operators for one operation, by changing the operator in the Operation Selection pane before you click the Run for an operation for which the time recording has been stopped.

The run time is registered in the Production Order Hours (bptmm1120m000) session.

Note

- For run time the field Setup Time must have value No.
- The **Backflush Hours** parameters is not selected for the production order operation for which the time must be recorded.
- The selected production order operation cannot be fully **Blocked**.

Stop the Time Recording

- The set up time and run time recording is stopped when the user clicks the Stop button. The recording is stopped only for the selected operator. Time recording for other operators continuous unless specifically selected and stopped separately. For an operation, the time recording stops when the operation is completed.

Chapter 5
Register Quantities and Complete Operation

<div style="text-align: right">5</div>

This chapter explains the various functionality available for the user.

Register Quantities and Complete Operation

The workbench allows you to register quantities or complete operation using the buttons in the Action menu. You must select a production order operation line to enable the Register Quantities and Complete Operation button.

You must select the production order operation line and click the Register Quantities or Complete Operation button to access the Register Quantities section or Complete Operation section. This section allows you to modify the registered or the completed quantity. You can select the 'To reject' or 'To complete' radio button on the right.

Note

- It is possible to either complete or reject serial numbers. It is not possible to complete and reject serial numbers simultaneously.
- The operator can view the scrapped/quarantined quantity in Infor LN.

- **Registering quantities**
  The *Register Quantities* button allows the operator to register completed quantities and rejected quantities for the selected operation.

  Quantities can be registered as:
  - Additionally Completed
  - Additionally Rejected
  - Cumulatively Completed
  - Cumulatively Rejected

  The values in these fields are defaulted from Infor LN when you click *Default* button. The process is the same as in the Report Operations Completed (tisfc0130m000) session.

  It is possible to specify a reason in the *Reject Reason* field. The reason can be selected from the Reasons (tcmcs0105m000) session.

Note

- It is not possible to specify a reject reason when the **Use Reason Codes for Rejected Items** is set to **Never** in the Shop Floor Control Parameters (tisfc0100s000) session.
- The rejected quantities must be handled outside the workbench (either to scrap or to send them to quarantine).

- **Completing an operation**
  Select an operation and click the *Complete operation* button. The process of recording the quantity is similar to the Registering process. The status of the operation is set to **Completed**.

Note

- Completing the operation stops the time recording for all operators.
- When operations are reported complete, hours and materials are backflushed, when applicable. This is similar as the logic of the Report Operations Completed (tisfc0130m000) session.
- The materials/hours are only backflushed when the **Backflushing Method** field is set to **Automatic**. The value **Interactive** is not supported by the workbench.
- Backflushing must be executed using the Backflush Materials and Hours (tisfc0220m000) session when the parameter is set to **Interactive** or **Manual**.

For more information refer to Actual costing and backflushing.

Serialized Item

It is possible to report serialized items as complete or reject. The serial numbers of the items to be completed or rejected can be selected from a list. You can also generate a serial number based on the

mask or specify an arbitrary serial number. When completing or rejecting serialized items, a list of serial numbers is displayed in the Quantity Registration section or the Complete Operation section.

Note

- The list of serial numbers is displayed on the last operation, by default. You can select the serials that are to be reported as complete. For other operations, the user can display the serial numbers by clicking the ▶ icon located to the right of the Quantity Registration section or Complete Operation section.
- In case a manufactured end item is serialized or serialized and lot controlled, shop operators can report complete or reject based on the serial number assigned.
- Lot controlled items (no serials), unit effectivity or combination of serials (and lots) with unit effectivity are not supported with the workbench.

The steps to complete or reject the serialized items:

- Enter a quantity
  - When the user enters a quantity for the last operation of a production order, or rejects a quantity, a matching serial numbers is displayed.
  - The serial numbers with the status set Created, Assigned or Rejected only are displayed.
  - Serial numbers with status 'Created' is selected when a positive additional completed quantity or a positive additional rejected quantity is entered.
  - Serial numbers with status 'Assigned' is selected when a negative additional completed quantity is specified (reversing a completion).
  - Serial numbers with status 'Rejected' is selected when a negative additional rejected quantity is specified (reversing a rejection).
  - A message is displayed when there are not enough serial numbers to select to match the entered quantity.
- Select specific serial numbers
  - The user can also select specific serial numbers from the list. After selecting one or more serial numbers the user must click the 'To complete' or the 'To reject' radio button to indicate action to be performed for the serialized items. The related quantity is populated. The serial numbers with the status set to Created, Assigned or Rejected only, are displayed.
  - A positive additional completed quantity is specified when serial numbers with status 'Created' are selected and the 'To complete' radio button is selected.
  - A positive additional rejected quantity is specified when serial numbers with status 'Created' are selected and the 'To reject' radio button is selected.
  - A negative additional completed quantity is specified when serial numbers with status 'Assigned' are selected (reversing a completion).
  - A negative additional rejected quantity is specified when serial numbers with status 'Rejected' are selected (reversing a rejection).
  - The serial numbers are actually completed or rejected when selecting the Save button or Complete Operation button.

Generating Serials

The serial numbers can already be available in the workbench, because the number are generated earlier (during document printing, order release, or manually). Else, the serial number must be generated or created in the workbench. Generation or creation of serials is done on a one-by-one basis. The user can create new serial numbers in the following ways:

- Manually enter a new serial number : The user can enter an arbitrary serial number and click the 'Create' button. An error message is displayed if the serial number already exists for the production order, or if the serial number is not available anymore for the production order.
- The user can click the 'Generate' button and a new serial number is generated based on the default mask for the item. The newly generated serial number is displayed at the end of the serial number list.

Post End Item to Inventory

The **Post to Inventory when Reporting on Last Operation** field in the Shop Floor Control Parameters (tisfc0100s000) session, determines if a main/end item is posted to inventory.

The functionality of each option and the impact on the workbench is:

- If set to 'Yes' : When reporting a quantity complete for the last operation and when posting the main item(s) to inventory, is allowed, the following field is displayed in the Quantity Registration pane or in the Complete Operation pane:

- Automatically confirm receipt: Select Yes or No to save the completed quantity. The main item is posted to inventory. If the user selected 'Yes' the main item(s) are also received in the warehouse. This field is defaulted based on the Warehouse Receipt activity of the related production warehouse order inbound line. If the receipt activity process is automated, the field "Automatically confirm receipt" is set to 'Yes'; else 'No'.

- If set to 'No' : The main item is not be posted to inventory when a quantity is reported complete.

- Interactive : When reporting a quantity complete for the last operation and when posting the main/end item to inventory, is allowed, the following fields are displayed in the Quantity Registration pane or in the Complete Operation pane:

  - Post main item to inventory : Select Yes or No. If the user selects No, it is possible to save the quantity completed and the main item(s) are not posted to inventory. If the user selects Yes, the Automatically confirm receipt field is displayed.

  - Automatically confirm receipt : Select Yes or No to save the completed quantity. The main item(s) are posted to inventory. If the user selected 'Yes' the main item(s) are also received in the warehouse.