

**SAP Manufacturing Execution  
How-To Guide**



# **How To Set Up and Use the SAP ME Floor Stock Feature**

**Applicable Release: ME 6.0**

**Version 1.0**

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# SAP ME How-To-Guide for Floor Stock

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## Document History

| Document Version | Description     | Author         |
|------------------|-----------------|----------------|
| 1.0              | Initial version | Peggy Enriquez |
|                  |                 |                |
|                  |                 |                |

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## 1 Introduction

### 1.1 Purpose

This SAP ME How-To-Guide for the Floor Stock feature is intended to provide sufficient information to enable the user to easily configure and readily utilize the Floor Stock feature making use of available best practices.

### 1.2 Scope

This How-To-Guide covers all aspects of the Floor Stock feature.

### 1.3 Glossary

|                  |  |
|------------------|--|
| Floor Stock      | Materials (components) that are stored on the factory floor prior to being used in manufacturing |
| Inventory ID     | The unique identifier for floor stock items in SAP ME  |
| Storage Location | Physical location for floor stock (unique identifier can be downloaded from SAP ERP)             |

## 2 Floor Stock Feature Overview

This overview provides a high level description of the Floor Stock feature.

### 2.1 Description and Applicability

This feature addresses materials which are stored on the factory floor prior to being used in manufacturing. This can include raw stock, discrete components, components in lots and subassemblies. Floor stock can be stored in floor stock locations after receipt from a vendor, or after manufacture, and prior to being moved to a resource. Floor stock, tracked as a lot, can be split the two lots which are then individually tracked.

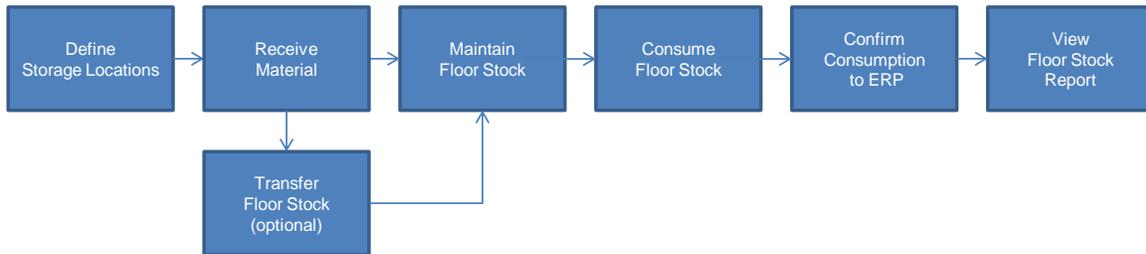
### 2.2 Business Purposes / Functions

This feature is aimed at identifying floor stock and tracking its location prior to use in manufacturing. The Floor Stock feature includes the following functions:

- Define and Maintain Storage Locations
- Receive Floor Stock
- Maintain Floor Stock
- Transfer / Return / Scrap Floor Stock
- Floor Stock Consumption
- Floor Stock Report

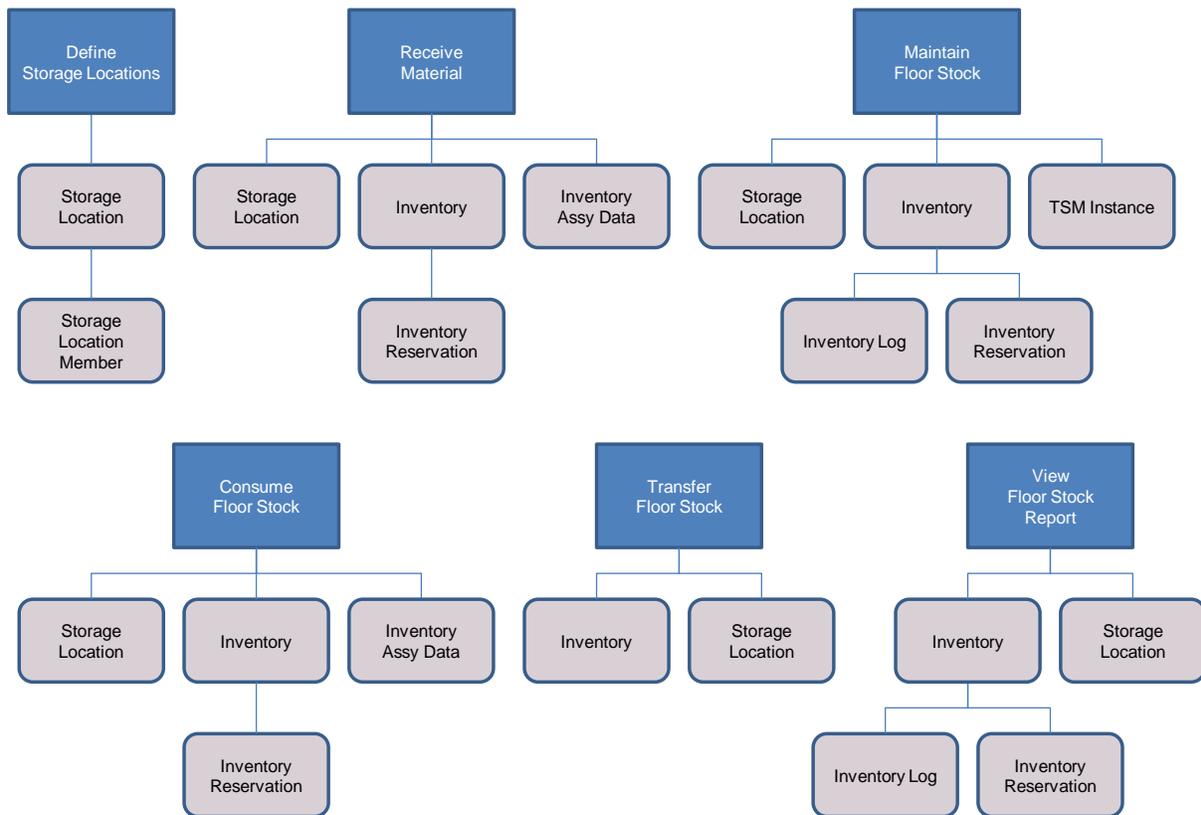
## 2.3 High-Level Process Flows

This figure illustrates the primary flow of the setup and use of the Floor Stock feature.



## 2.4 High Level Data Model

The following figure shows the relationship between some of the Floor Stock functions and ME database tables.



## 2.5 Best Practices

## 3 Floor Stock Functions

### 3.1 Define and Maintain Storage Locations

#### 3.1.1 Description and Applicability

The Storage Location Maintenance activity ( STORAGE\_LOC\_MAINT) provides the capability to define storage locations and to assign them to work centers. A storage location is represented by a site-unique 4-character alphanumeric code. This code must match the storage location code in SAP ERP in order to receive inventory information from SAP ERP. In SAP ERP, the storage location code must be unique within each plant. The work center assignments for a storage location can be modified in this activity.

### 3.2 Receive Floor Stock

#### 3.2.1 Description and Applicability

The Floor Stock Receipt activity (IN500) provides the capability to receive material into a storage location on the factory floor. The material is identified by an inventory ID. The inventory ID can be entered by the user or it can be created by the system, using the next number settings. The next number settings are configured in Next Number Maintenance.

If the inventory ID is assigned to a storage location, or to some other SAP ME object(s), in the Floor Stock Receipt activity, then it can also be reserved for use only for those assigned objects.

Additional data can be collected during floor stock receipt through the use of data fields assigned to a data type for the material. The Floor Stock Receipt activity supports the use of a 2D barcode to fill in fields in the activity screen.

#### 3.2.2 Purpose / Effects

The following screenshot shows the Floor Stock Receipt initial screen.

| * Inventory ID | * Qty | Details |
|----------------|-------|---------|
|                |       |         |

After specifying a material and version and a quantity to receive, the Create button is used to create one or more inventory IDs automatically or to enable the user to enter the needed inventory IDs. This is controlled by an activity rule.

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The activity rules for the Floor Stock Receipt activity are described in the following table.

| Rule                    | Description   |
|-------------------------|---|
| ALLOW_STORAGE_LOC_MOVE  | <p><b>YES</b> (default): If there is a storage location assigned to the inventory ID, the inventory ID can be moved to another storage location</p> <p><b>NO</b>: Disables storage location field. If a storage location is assigned to the inventory ID, the inventory ID cannot be moved to another storage location.</p>   |
| APPLY_ALL_DATA          | <p><b>YES</b> (default): The floor stock data fields are enabled in <i>Floor Stock Receipt</i> and values entered in these fields are applied to all inventory IDs created, except for the data updated on the <i>Inventory ID Details</i> screen.</p> <p><b>NO</b>: The floor stock data fields are disabled in <i>Floor Stock Receipt</i> and the user is required to enter the data for each inventory ID on the <i>Inventory ID Details</i> screen. See the message in the following screenshot.</p> <p>Note that this only applies to data fields that are applicable to more than one inventory ID.</p> |
| AUTOMATIC_ID_GENERATION | <p><b>YES</b> (default): The inventory ID is automatically created according to the next number definition.</p> <p><b>NO</b>: The user enters the inventory ID manually.</p>  |
| DISPLAY_BARCODE         | <p>If set to <b>YES</b>, displays the <i>Barcode</i> field on the <i>Floor Stock Receipt</i> screen. See the following screenshot.</p>  |
| INVENTORY_LOCATION_REQ  | <p><b>YES</b>: The user is required to provide data for at least one <i>Inventory ID Location</i> field for each inventory ID.</p> <p><b>NO</b> (default): Providing <i>Inventory ID Location</i> details for each inventory ID is optional</p> <p>The <i>ERP Integration Active</i> system rule supersedes this activity rule (see ERP Integration Rules in the SAP ME online help). If the system rule is set to <i>true</i>, the <i>Storage Location</i> on the <i>Maintain Floor Stock</i> screen is a required field</p>   |

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In the following screenshot, two inventory IDs have been automatically created using the next number pattern defined for this material (*GEAR\_LUBE*).

**Floor Stock Receipt**

\* Site: CHET

\* Material: GEAR\_LUBE      \* Version: A

\* Receive Qty: 2      Create

Shelf Life Expiration Date: Sep 20, 2012

Maximum Floor Life: 72 HOURS

Barcode: \_\_\_\_\_

\* Vendor: \_\_\_\_\_

\* Vendor Lot: \_\_\_\_\_

\* Vendor Date Code: \_\_\_\_\_      Data will be applied to all inventory IDs

| <u>Insert New</u>        | <u>Insert Before</u> | <u>Insert After</u> | <u>Remove Selected</u> | <u>Remove All</u> |         |
|--------------------------|----------------------|---------------------|------------------------|-------------------|---------|
| <input type="checkbox"/> | * Inventory ID       |                     | * Qty                  |                   | Details |
| <input type="checkbox"/> | GL-000014            |                     | 1                      |                   | 🔍       |
| <input type="checkbox"/> | GL-000015            |                     | 1                      |                   | 🔍       |

Receive    Clear

The number of inventory IDs created depends upon the *Lot Size* specified for the material. If the Receive Qty is less than or equal to the *Lot Size*, only one inventory ID will be created.

As indicated by the message “Data will be applied to all inventory IDs” in the screen above, the information for data type fields can be specified on this screen and used for both of the inventory IDs. This is due to the activity rule, Apply All Data, being set to YES.

After entering data in the Vendor fields above, selecting the icon in the Details column of the Inventory IDs table displays the Inventory ID Details screen as shown in the following screenshot.

## SAP ME How-To-Guide for Floor Stock

**Inventory ID Details**

Inventory ID: GL-000014      Status: Available      Receive Qty: 1  
Material: GEAR\_LUBE      Version: A      Qty on Hand: 1

**Inventory ID Data Details**

Barcode:

\* Vendor:

\* Vendor Lot:

\* Vendor Date Code:

Receive Date/Time:

Receive By:

\* Shelf Life Expiration Date:

\* Maximum Floor Life:

Reason Code:

Comments:

**Inventory ID Location**

Storage Location:

Work Center:    Reserve

Operation:    Reserve

Resource:    Reserve

Shop Order:    Reserve

This screen enables the inventory ID location and time sensitive material information (if applicable) to be entered or updated for the specific inventory ID indicated. It also enables the data type field information entered on the previous screen (AGCO, 2346, and 03-20-2012) to be overridden for this inventory ID

At least one location (storage location, work center, operation, resource or shop order) must be specified for each inventory ID if the activity rule, INVENTORY\_LOCATION\_REQ, is set to YES. If any of these fields contain a valid value and the associated Reserve checkbox is selected, the inventory ID can only be consumed at or for the specified object. If a field contains a valid value but its Reserve checkbox is not selected, the inventory ID is planned for use at or for this object, but can be used elsewhere instead.

If a storage location had been pre-assigned for this inventory ID, the location would be shown in the Storage Location field. If the activity rule, ALLOW\_STORAGE\_LOC\_MOVE, is set to YES, the pre-assigned storage location could be overridden.

The shelf life expiration date and maximum floor life values can be updated for the inventory ID. The maximum floor life value entered cannot extend the floor life beyond the specified shelf life expiration date.

A reason code and comments can be entered for the inventory receipt.

Selecting the Apply button on the above screen saves the information for the specified inventory ID. Selecting the Receive button on the previous screen saves the inventory IDs to the ME WIP database.

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For more information regarding the fields on the above screen, see the following [Maintain Floor Stock](#) section in this document.

## 3.3 Maintain Floor Stock

### 3.3.1 Description and Applicability

The Maintain Floor Stock activity (MAINT\_INV) enables the updating of the data for an inventory ID. This can include updating all of the information established during floor stock receipt (dependent upon certain activity rules described below). The Maintain Floor Stock activity is shown in the following screenshot.

The following table describes the activity rules that are used to control the processing in the Maintain Floor Stock activity.

| Rule                     | Setting  |
|--------------------------|--|
| ALLOW_STORAGE_LOC_MOVE   | If set to YES (default), the storage location can be changed or moved to a different storage location  |
| ALLOW_UPDATE_FLOOR_LIFE  | If set to YES, allows you to edit the entry in the <i>Max Floor Life</i> field (TSM reset).<br>When the user edits the <i>Maximum Floor Life</i> value for any inventory ID, the <i>Maximum Floor Life</i> value is validated as not exceeding the shelf life expiration date. |
| ALLOW_UPDATE_QTY_ON_HAND | If set to YES, allows you to edit the entry in the <i>Qty on Hand</i> field  |

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| Rule                    | Setting  |
|-------------------------|--|
| AUTOMATIC_ID_GENERATION | If set to YES (default), the split inventory ID is automatically created according to next number definition   |
| COMMENT_REQ             | If set to YES (default), the user is required to enter a comment in the <i>Comment</i> field   |
| DISPLAY_BARCODE         | If set to YES, displays the <i>Barcode</i> field on the <i>Maintain Floor Stock</i> screen. This is used with 2D barcodes. For more information, see the SAP ME How-To-Guide – Barcode Scanning.   |
| INVENTORY_LOCATION_REQ  | If set to YES, the user is required to provide location details for each inventory ID<br><br>The <i>ERP Integration Active</i> system rule supersedes this activity rule (see ERP Integration Rules in the SAP ME online help). If the system rule is set to <i>true</i> , the <i>Storage Location</i> on the <i>Maintain Floor Stock</i> screen is a required field |

The following table describes the fields on the Maintain Floor Stock screen.

| Field                                     | Description  |
|---|--|
| <b>Inventory ID Details</b>               |  |
| Inventory ID                              | The unique identifier for the floor stock received   |
| Status                                    | The status of the selected inventory ID ( <i>Available, Hold, or Quarantine</i> )  |
| Material / Version                        | The material and version of the floor stock for the inventory ID   |
| Receive QTY                               | The quantity of the material received into this floor stock inventory ID   |
| Receive By                                | The userID of the user who received the floor stock for the inventory ID   |
| Received Date/Time                        | The date and time (in local time zone) when the floor stock was received into this inventory ID  |
| <b>Inventory ID Data Details</b>          |  |
| Vendor<br>Vendor Code<br>Vendor Date Code | Fields defined in <i>Data Field Definition Maintenance</i> and assigned to a data type in <i>Data Field Assignment Maintenance</i> for the material being received into floor stock (see <i>Data Field Definition Maintenance</i> and <i>Data Field Assignment Maintenance</i> in the SAP ME online help). |
| Shelf Life Expiration Date                | The date / time when the shelf life of the time sensitive material components in this floor stock inventory ID will expire. See <i>Time Sensitive Material</i> in the SAP ME online help.  |
| Maximum Floor Life                        | The maximum length of time that the time sensitive material components can be out of controlled storage. See <i>Time Sensitive Material</i> in the SAP ME online help.   |
| Reason Code                               | Assigns a reason code to indicate why the floor stock record is being updated.   |
| Comment                                   | User comment regarding the update to the floor stock information.  |
| <b>Inventory ID Location</b>              |  |
| QTY on Hand                               | The quantity of components on hand for the selected inventory ID   |
| Storage Location                          | The place where this inventory ID is physically located. See <a href="#">Define and Maintain Storage Location</a> .  |
| Work Center                               | The work center where the component is planned to be consumed / used. Must be a work center assigned to the storage location, if a storage location is specified.  |
| Reserve                                   | <b>Selected:</b> The inventory ID can only be used by SFC numbers that move through the specified work center.<br><b>Cleared:</b> The inventory ID is allocated for information purposes but is not locked.  |
| Operation                                 | The operation where the component is planned to be consumed / used   |
| Reserve                                   | <b>Selected:</b> The inventory ID can only be used by SFC numbers that move through the specified operation.   |

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|            |  |
|------------|--|
|            | <b>Cleared:</b> The inventory ID is allocated for information purposes but is not locked.  |
| Resource   | The resource where the component is planned to be consumed / used  |
| Reserve    | <b>Selected:</b> The inventory ID can only be used by SFC numbers that move through the specified resource.<br><b>Cleared:</b> The inventory ID is allocated for information purposes but is not locked. |
| Shop Order | The shop order for which the component is planned to be consumed / used  |
| Reserve    | <b>Selected:</b> The inventory ID can only be used by SFC numbers that belong to the shop order.<br><b>Cleared:</b> The inventory ID is allocated for information purposes but is not locked.            |

The following table shows pre-defined, inventory related, reason codes that are delivered with SAP ME.

| Reason Code             | Description                              |
|-------------------------|--|
| INV_RECEIPT             | Floor stock receipt default reason code  |
| INV_SPLIT               | Split inventory ID                       |
| INV-LOC_CHANGE          | Inventory ID storage location change     |
| RTN-INV_CHANGE          | Maintain floor stock default reason code |
| RTN-RETURN_TO_INVENTORY | Return to inventory                      |
| SCR-SCRAP               | Scrap inventory                          |

The Inventory ID Split button enables an inventory ID, with a quantity greater than one, to be split into two inventory IDs. The Split Inventory ID screen is shown in the following screenshot.

**Split Inventory ID**

\* Site: CHET

\* Inventory ID: 4348308-401

\* Material: 4348308      \* Version: A

\* Qty on Hand: 100

\* Qty to Split:

\* Number of Inventory IDs:

Insert New Insert Before Insert After Remove Selected Remove All

\* Inventory ID      \* Qty

The user specifies the quantity of components to split off from the current inventory ID and the number of new inventory IDs to create.

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The following screenshot shows the results of specifying a Qty to Split of 80 and the Number of Inventory IDs as 4.

**Split Inventory ID**

\* Site: CHET  
\* Inventory ID: 4348308-401  
\* Material: 4348308 \* Version: A  
\* Qty on Hand: 100  
\* Qty to Split: 80  
\* Number of Inventory IDs: 4 Create

**Inventory ID Location**

Storage Location:    
Work Center:   Reserve  
Operation:   Reserve  
Resource:   Reserve  
Shop Order:   Reserve Data will be applied to all inventory IDs

| <u>Insert New</u>        | <u>Insert Before</u> | <u>Insert After</u> | <u>Remove Selected</u> | <u>Remove All</u>       |
|--------------------------|----------------------|---------------------|------------------------|-------------------------|
| <input type="checkbox"/> | * Inventory ID       |                     |                        | * Qty                   |
| <input type="checkbox"/> | <input type="text"/> |                     |                        | 20 <input type="text"/> |
| <input type="checkbox"/> | <input type="text"/> |                     |                        | 20 <input type="text"/> |
| <input type="checkbox"/> | <input type="text"/> |                     |                        | 20 <input type="text"/> |
| <input type="checkbox"/> | <input type="text"/> |                     |                        | 20 <input type="text"/> |

Inventory ID Split Clear Cancel

By specifying the new inventory ID numbers and selecting the Inventory ID Split button, new inventory IDs are created. If more than one new inventory ID is being created, the user can specify the quantity for each new inventory ID.

The Maintain Floor Stock activity also provides the capability to print a label to be applied to a new or updated inventory ID. This requires that an appropriate label document has been created for this purpose in Document Maintenance. See Document Maintenance in the SAP ME online help.

## 3.4 Transfer / Return / Scrap Floor Stock

### 3.4.1 Description and Applicability

Floor stock can be transferred to a different storage location in several ways:

- Overriding the pre-assigned storage location during floor stock receipt (see the [Receive Floor Stock](#) section in this document)
- Changing the storage location in the Maintain Floor Stock activity (see the previous section, [Maintain Floor Stock](#))
- Splitting an inventory ID and assigning a new storage location (see the previous section, [Maintain Floor Stock](#))

Transferring floor stock to a different storage location is managed totally within SAP ME. SAP ERP is the system of record for inventory and SAP ME is the system of record for floor stock.

#### 3.4.1.1 Transferring an Inventory ID to a Different Storage Location

In the Maintain Floor Stock activity, or in the Floor Stock Receipt activity, enter a new storage location value, or select one from the storage location browse. If a work center is assigned to the original storage location, the system will validate that the user is assigned to that work center.

If the *ERP Integration Active* system rule is set to *True*, the system sends the storage location collaboration message to the SAP ERP system. See the [Integration](#) section in this document for more information.

#### 3.4.1.2 Transferring an Inventory ID to a Different Work Center

In the Maintain Floor Stock activity, or on the Inventory ID Details screen in the Floor Stock Receipt activity, enter new work center value or select one from work center browse. The system validates that the user is assigned to the original work center.

If a storage location was assigned and the activity rule, `ALLOW_STORAGE_LOC_MOVE`, is set to `NO`, the system verifies that both the original and the new work center belong to that storage location.

If the new work center belongs to only one storage location and that storage location differs from that of the original work center, then the system displays an error message and the user must change the work center or the storage location.

If the *ERP Integration Active* system rule is set to *True*, the system sends the storage location collaboration message to the SAP ERP system. See the [Integration](#) section in this document for more information.

## 3.5 Floor Stock Consumption

### 3.5.1 Description and Applicability

Most floor stock components are consumed into an assembly or sub-assembly. This typically occurs in the Assembly Point activity, but can also occur in As-Built Configuration. For Time Based Components, consumption occurs automatically during the completion of SFCs at a Time Based assembly resource (see Time Based Genealogy in the SAP ME online help). Consuming components reduces the quantity on hand for the inventory ID(s) from which the components were consumed.

Components can also be removed from an assembly or sub-assembly, using the As-Built Configuration activity. Components that have been removed can be scrapped, returned to floor stock or sent to a special or NC routing. Returning a component to floor stock will increase the Quantity on Hand for the inventory ID (if the component is tracked via inventory ID).

If ERP integration is active, consumption of components is communicated to SAP ERP through Outbound ERP integration messages. For more information, see the [Integration](#) section in this document.

## 3.6 Floor Stock Reporting

### 3.6.1 Description and Applicability

The Floor Stock Report (IN700) provides information regarding floor stock component quantities and status. The available search parameters for the report are shown in the following screenshot.

The following screenshot shows the result of performing the search as shown above.

| FLOOR STOCK REPORT  |                          |                     |                                |                                    |
|---------------------|--------------------------|---------------------|--------------------------------|------------------------------------|
| Site: CHET          | Material Type: All       | Material: GEAR_LUBE | <a href="#">Graphical View</a> |                                    |
| Material Version: A | Inventory ID Status: All |                     |                                |                                    |
| MATERIAL/VERS.      | TYPE                     | RECEIVE QTY         | QTY ON HAND                    | INFO                               |
| GEAR_LUBE/A         | Purchased                | 5                   | 5                              | <a href="#">Floor Stock Detail</a> |
| <b>End of Data</b>  |                          |                     |                                |                                    |

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In this example for GEAR\_LUBE, a quantity of 5 has been received and all 5 are still on hand (available for use).

By selecting the Floor Stock Detail link in the INFO column, the Floor Stock Details report is displayed, as shown in the following screenshot.

| FLOOR STOCK DETAILS REPORT |           |                          |                                  |
|----------------------------|-----------|--------------------------|----------------------------------|
| Site: CHET                 |           | Material Type: All       | Material: GEAR_LUBE              |
| Material Version: A        |           | Inventory ID Status: All |                                  |
| INVENTORY ID               | STATUS    | QTY ON HAND              | INFO                             |
| GL-000003                  | Available | 1                        | <a href="#">Inventory ID Log</a> |
| GL-000014                  | Available | 1                        | <a href="#">Inventory ID Log</a> |
| GL-000015                  | Available | 1                        | <a href="#">Inventory ID Log</a> |
| GL-000016                  | Available | 1                        | <a href="#">Inventory ID Log</a> |
| GL-000016S1                | Available | 1                        | <a href="#">Inventory ID Log</a> |
| <b>End of Data</b>         |           |                          |                                  |

This report shows the status and quantity on hand for each inventory ID for the selected material.

Selecting the Inventory ID Log link in the INFO column of the above report, displays the Inventory ID Log report, as shown in the following screenshot.

| Inventory ID Log Report                             |            |                                       |             |                   |
|---|------------|---------------------------------------|-------------|-------------------|
| Inventory ID: GL-000003                             |            | Current Status: Available             |             |                   |
| Inventory ID Details                                |            |                                       |             |                   |
| Material/Vers.: GEAR_LUBE/A                         |            | Reserve                               |             |                   |
| Qty on Hand: 1                                      |            | Storage Location: C001                |             |                   |
| Receive Qty: 1                                      |            | Work Center: <input type="checkbox"/> |             |                   |
| Shelf Life Expiration Date: Dec 6, 2011 11:59:59 PM |            | Operation: <input type="checkbox"/>   |             |                   |
| Maximum Floor Life: 72.00 Hours                     |            | Resource: <input type="checkbox"/>    |             |                   |
| Shop Order: <input type="checkbox"/>                |            |                                       |             |                   |
| DATE TIME   | LOG TYPE   | USER                                  | REASON CODE | DETAILS           |
| Jun 6, 2011 11:20:00 AM                             | INV_CREATE | CHET                                  | INV_RECEIPT | <a href="#">Q</a> |
| <b>End of Data</b>                                  |            |                                       |             |                   |
| <input type="button" value="Close"/>                |            |                                       |             |                   |

The above report shows detail information for the individual inventory ID and lists the actions that have been logged for it.

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By selecting the icon in the DETAILS column, the Floor Stock Log Detail report is displayed, as shown in the following screenshot.

**Floor Stock Log Detail Report**

Inventory ID: GL-000003      Current Status: Available

Material/Vers.: GEAR\_LUBE/A      Reserve

Qty on Hand: 1      Storage Location: C001

Receive Qty: 1      Work Center:

Log Type: INV\_CREATE      Operation:

Log Activity Date/Time: Jun 6, 2011 11:20:00 AM      Resource:

User: CHET      Shop Order:

Reason Code: INV\_RECEIPT

Close

The above report reformats some of the information for the specific inventory ID log record from the preceding report.

## 4 Integration

The Floor Stock feature is integrated with SAP ERP by both inbound and outbound integration messages.

### 4.1 Inbound Integration

Inbound ERP integration messages include:

- Goods Movement (type 311)
- Goods Movement (type 261)

Inbound integration messages can create inventory IDs and can change the location of inventory IDs.

### 4.2 Outbound Integration

Outbound ERP integration messages include:

- Goods Consumption (type 261)
- Goods Consumption (type 262)
- Goods Movement (type 311)
- Goods Movement (type 312)
- Scrap Goods (type 551)

Outbound integration messages can change the location of goods in ERP, consume goods in ERP and scrap goods in ERP.

For more information on ERP integration, see SAP ME ERP Integration (SAPMEINT) in the SAP ME online help.

## 5 Floor Stock Setup

### 5.1 Maintenance Activities

#### 5.1.1 Activity Rules

##### 5.1.1.1 Floor Stock Receipt Activity Rules

See the [Receive Floor Stock](#) section of this document.

##### 5.1.1.2 Maintain Floor Stock Activity Rules

See the [Maintain Floor Stock](#) section of this document.

#### 5.1.2 Product Configuration

##### 5.1.2.1 Material Maintenance

The following table describes the floor stock related fields.

| Field                                  | Description  |
|--|--|
| <b>Main tab</b>                        |  |
| Type                                   | In order to receive components into floor stock and assign them an inventory ID, the material type for the component must be Purchased or Manufactured/Purchased.                                |
| Lot Size                               | The lot size determines the quantity assigned to each inventory ID   |
| TSM (Time Sensitive Material)          | Specifies the material is time sensitive and causes the Shelf Life Expiration Date and Maximum Floor Life fields to be displayed in the Floor Stock Receipt and Maintain Floor Stock activities. |
| <b>Build tab</b>                       |  |
| Data to Collect on Floor Stock Receipt | The data type that will be used in the Floor Stock Receipt and Maintain Floor Stock activities.  |

#### 5.1.3 System Configuration Activities

##### 5.1.3.1 Next Number Maintenance

For Floor Stock, this activity is used to specify the next number pattern for the Number Type of Floor Stock Receipt. See Next Number Maintenance in the SAP ME online help.

## 6 Floor Stock Usage Scenario / Example

### 6.1 Time Sensitive Material Component Scenario

#### 6.1.1 Purpose / Goal

This usage scenario / example describes the setup, receipt and use of a purchased TSM component (without ERP integration). The component is gear lube, which comes in 32 ounce containers and is typically purchased 4 containers at a time. Only approximately two ounces of gear lube is used at the assembly operation. To ensure that this gear lube is not used for other purposes, it will be reserved for the assembly operation. The gear lube will be received

# SAP ME How-To-Guide for Floor Stock

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and stored in a cooler. A container of it will be checked out and used at an assembly operation. The container of gear lube will be checked back into the cooler. The Floor Stock report will be run. The quantity on hand for the gear lube will be adjusted due to overuse at the assembly operation. The Floor Stock report will be rerun.

## 6.1.2 Scenario Specific Settings

The Floor Stock Receipt activity rule settings are as follows:

| Rule                    | Setting |
|-------------------------|---------|
| ALLOW_STORAGE_LOC_MOVE  | YES     |
| APPLY_ALL_DATA          | YES     |
| AUTOMATIC_ID_GENERATION | YES     |
| DISPLAY_BARCODE         | NO      |
| INVENTORY_LOCATION_REQ  | YES     |

The Maintain Floor Stock activity rule settings are as follows:

| Rule                     | Setting |
|--------------------------|---------|
| ALLOW_STORAGE_LOC_MOVE   | YES     |
| ALLOW_UPDATE_FLOOR_LIFE  | NO      |
| ALLOW_UPDATE_QTY_ON_HAND | NO      |
| AUTOMATIC_ID_GENERATION  | YES     |
| COMMENT_REQ              | NO      |
| DISPLAY_BARCODE          | NO      |
| INVENTORY_LOCATION_REQ   | YES     |
| LABEL_DOCUMENT           |         |

The TSM component Material settings include the following:

| Field                                  | Value        |
|--|--------------|
| Material / Version                     | 10003022 / A |
| Type                                   | Purchased    |
| Unit of Measure                        | OUNCE        |
| Lot Size                               | 32           |
| TSM (Time Sensitive Material)          | Selected     |
| Data to Collect on Floor Stock Receipt | Vendor       |
| Max Shelf Life                         | 30           |
| Units                                  | Days         |
| Max Floor Life                         | 1            |
| Units                                  | Days         |

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The Floor Stock Receipt Next Number settings, for the material, include the following:

| Field            | Value     |
|------------------|-----------|
| Prefix           | 10003022- |
| Number Base      | 10        |
| Sequence Length  | 5         |
| Min Sequence     | 1         |
| Increment By     | 1         |
| Current Sequence | 1         |

A vendor AGCO exists in the system.

## 6.1.3 Scenario Steps

Set up storage locations

1. Open the Storage Location Maintenance activity
2. Enter C001 as the Storage Location
3. Enter Cooler 1 as the description
4. Select Save
5. Select Clear
6. Enter C002 as the Storage Location
7. Enter Cooler 2 as the description
8. Select Save
9. Select Clear
10. Enter C003 as the Storage Location
11. Enter Cooler 3 as the description
12. Select Save

Receive Floor Stock

13. Open the Floor Stock Receipt activity
14. Select material 10003022 version A
15. Enter 128 for the Receive Qty
16. Select Create

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17. The system creates 4 inventory IDs as shown in the following screenshot

**Floor Stock Receipt** ?

\* Site: CHET

\* Material: 10003022      \* Version: A

\* Receive Qty: 128     

Shelf Life Expiration Date: Apr 21, 2012

Maximum Floor Life: 1      DAYS

\* Vendor:

\* Vendor Lot:

\* Vendor Date Code:       Data will be applied to all inventory IDs

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| <input type="checkbox"/> | <u>Insert New</u> | <u>Insert Before</u> | <u>Insert After</u>             | <u>Remove Selected</u> | <u>Remove All</u> |                                  |
|--------------------------|-------------------|----------------------|---------------------------------|------------------------|-------------------|----------------------------------|
| <input type="checkbox"/> | * Inventory ID    |                      | * Qty                           |                        |                   | Details                          |
| <input type="checkbox"/> | 10003022-00001    |                      | <input type="text" value="32"/> |                        |                   | <input type="button" value="Q"/> |
| <input type="checkbox"/> | 10003022-00002    |                      | <input type="text" value="32"/> |                        |                   | <input type="button" value="Q"/> |
| <input type="checkbox"/> | 10003022-00003    |                      | <input type="text" value="32"/> |                        |                   | <input type="button" value="Q"/> |
| <input type="checkbox"/> | 10003022-00004    |                      | <input type="text" value="32"/> |                        |                   | <input type="button" value="Q"/> |

18. Select AGCO in the Vendor browse
19. Enter 2348 for the Vendor Lot
20. Enter 03-22-2012 for the Vendor Date Code
21. Select the icon in the Details column for the first inventory ID
22. The Inventory ID Details screen is displayed as shown in the following screenshot

# SAP ME How-To-Guide for Floor Stock

**Inventory ID Details**

Inventory ID: 10003022-00001      Status: Available      Receive Qty: 32  
Material: 10003022      Version: A      Qty on Hand: 32

**Inventory ID Data Details**

\* Vendor: AGCO  
\* Vendor Lot: 2348  
\* Vendor Date Code: 03-22-2012  
Receive Date/Time:  
Receive By:

\* Shelf Life Expiration Date: 04/21/2012  
\* Maximum Floor Life: 1 DAYS  
Reason Code: INV\_RECEIPT  
Comments:  
Apply    Cancel

**Inventory ID Location**

▲ Storage Location:      Reserve  
▲ Work Center:      Reserve  
▲ Operation:      Reserve  
▲ Resource:      Reserve  
▲ Shop Order:      Reserve

23. Browse for and select storage location C001
24. Browse for and select operation SETUP\_MAIN\_GEAR
25. Select the Reserve checkbox for the operation
26. Select Apply
27. Repeat steps 17 through 22 for the second inventory ID
28. Repeat steps 17 through 22 for the third inventory ID, except assign storage location C002
29. Repeat steps 17 through 22 for the fourth inventory ID, except assign storage location C002
30. Select Receive
31. The system saves the 4 inventory IDs and starts the shelf life clock for each of them

## Maintain Floor Stock

32. Open the Maintain Floor Stock activity
33. Enter inventory ID 10003022-00004 and select Retrieve
34. The system displays the Maintain Floor Stock screen as shown in the screenshot below

# SAP ME How-To-Guide for Floor Stock

**Maintain Floor Stock**

\* Site: CHET

\* Inventory ID: 10003022-00004 Retrieve [Inventory ID Split](#)

\* Status: Available

\* Material: 10003022 🔍 \* Version: A

Receive Qty: 32 Receive By: CHET

Receive Date/Time: March 22, 2012 3:39:49 PM

**Inventory ID Data Details**

\* Vendor: AGCO 🔍

\* Vendor Lot: 2348

\* Vendor Date Code: 03-22-2012

Shelf Life Expiration Date: April 21, 2012

Maximum Floor Life: 1.00 Days

Reason Code: RTN-INV\_CHANGE 🔍

Comment:

**Inventory ID Location**

Qty on Hand: 32

▲ Storage Location: C002 🔍

▲ Work Center:  🔍  Reserve

▲ Operation: SETUP\_MAIN\_GEAR 🔍  Reserve

▲ Resource:  🔍  Reserve

▲ Shop Order:  🔍  Reserve

Save Clear Delete Print Label

35. Clear the Storage Location field, browse and select storage location C003
36. Select Save
37. The system saves inventory ID 10003022-00004 in storage location C003

## Consume Component (gear lube)

38. Process 4 SFCs to the SETUP\_MAIN\_GEAR operation
39. Open the TSM Check In/Out activity
40. Check out inventory ID 10003022-00001 from Cooler 1
41. Perform the Assembly Point activity at the operation and consume a quantity of 2 for inventory ID 10003022-00001 for each SFC
42. Open the TSM Check In/Out activity
43. Check inventory ID 10003022-00001 back into Cooler 1

## Run the Floor Stock Report

44. Open the Floor Stock Report activity
45. Browse and select material 10003022 and select the Search button
46. The system displays the Floor Stock report as shown in the following screenshot

# SAP ME How-To-Guide for Floor Stock

**Floor Stock Report**

Main | Floor Stock Location

\* Site: CHET      ▲ Date Range: Not Used ▼

Material Type: All ▼      \* 03/23/2012 12:00:00 AM

▲ Material Group:       \* 03/23/2012 11:59:59 PM

▲ Material: 10003022      Version:

▲ Inventory ID:       Inventory ID Status: All ▼

▲ SFC:

Search Clear      Show Results in New Window

**FLOOR STOCK REPORT**

Site: CHET      Material Type: All      Material: 10003022      Graphical View

Inventory ID Status: All

| MATERIAL/VERS. | TYPE      | RECEIVE QTY | QTY ON HAND | INFO                               |
|----------------|-----------|-------------|-------------|------------------------------------|
| 10003022/A     | Purchased | 128         | 120         | <a href="#">Floor Stock Detail</a> |

**End of Data**

47. The above report shows that 8 ounces of the gear lube have been used, leaving a quantity on hand of 120 ounces.
48. Select the Floor Stock Detail link in the INFO column
49. The system displays the Floor Stock Details report as shown in the following screenshot

**FLOOR STOCK DETAILS REPORT**

Site: CHET      Material Type: All      Material: 10003022

Material Version: A      Inventory ID Status: All

| INVENTORY ID   | STATUS    | QTY ON HAND | INFO                             |
|----------------|-----------|-------------|----------------------------------|
| 10003022-00001 | Available | 24          | <a href="#">Inventory ID Log</a> |
| 10003022-00002 | Available | 32          | <a href="#">Inventory ID Log</a> |
| 10003022-00003 | Available | 32          | <a href="#">Inventory ID Log</a> |
| 10003022-00004 | Available | 32          | <a href="#">Inventory ID Log</a> |

**End of Data**

50. This report shows that the 8 ounces were all used from inventory ID 10003022-00001
51. Select the Inventory ID Log link in the first row of the INFO column

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**Inventory ID Log Report**

Inventory ID: 10003022-00001      Current Status: Available

**Inventory ID Details**

|                                     |                                   |                                     |
|-------------------------------------|-----------------------------------|-------------------------------------|
| <b>Material/Vers.:</b> 10003022/A   | <b>Storage Location:</b> C001     | <b>Reserve</b>                      |
| <b>Qty on Hand:</b> 24              | <b>Work Center:</b>               | <input type="checkbox"/>            |
| <b>Receive Qty:</b> 32              | <b>Operation:</b> SETUP_MAIN_GEAR | <input checked="" type="checkbox"/> |
| <b>Vendor:</b> AGCO                 | <b>Resource:</b>                  | <input type="checkbox"/>            |
| <b>Vendor Lot:</b> 2348             | <b>Shop Order:</b>                | <input type="checkbox"/>            |
| <b>Vendor Date Code:</b> 03-22-2012 |                                   |                                     |

**Shelf Life Expiration Date:** Apr 21, 2012 3:39:49 PM  
**Maximum Floor Life:** 1.00 Days

| DATE TIME               | LOG TYPE   | USER | REASON CODE | DETAILS |
|-------------------------|------------|------|-------------|---------|
| Mar 22, 2012 3:39:49 PM | INV_CREATE | CHET | INV_RECEIPT | Q_      |

**End of Data**

Close

52. This report shows detail information for the specific inventory ID and shows actions taken on this floor stock item. It does not show consumption actions.
53. Even though the user recorded using 2 ounces of gear lube per SFC at the operation, let's assume that when the gear lube was checked back into the cooler, there was only 22 ounces left instead of 24. So we need to adjust the Quantity on Hand for the inventory ID.
54. Open Activity Maintenance
55. Select and retrieve the MAINT\_INV activity
56. Select the Rules tab and set the ALLOW\_CHANGE\_QTY\_ON\_HAND to YES
57. Select Save
58. Open the Maintain Floor Stock activity
59. The system displays the Maintain Floor Stock screen with the Qty on Hand field enabled for edit, as shown in the following screenshot

# SAP ME How-To-Guide for Floor Stock

**Maintain Floor Stock** ?

\* Site: CHET

\* Inventory ID: 10003022-00001 Retrieve [Inventory ID Split](#)

\* Status: Available

\* Material: 10003022 \* Version: A

Receive Qty: 32 Receive By: CHET

Receive Date/Time: March 22, 2012 3:39:49 PM

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**Inventory ID Data Details** **Inventory ID Location**

\* Vendor: AGCO

\* Vendor Lot: 2348

\* Vendor Date Code: 03-22-2012

Shelf Life Expiration Date: April 21, 2012

Maximum Floor Life: 1.00 Days

Reason Code: RTN-INV\_CHANGE

Comment:

Qty on Hand: 24

▲ Storage Location: C001

▲ Work Center:   Reserve

▲ Operation: SETUP\_MAIN\_GEAR   Reserve

▲ Resource:   Reserve

▲ Shop Order:   Reserve

Save Clear Print Label

60. Change the Qty on Hand value to 22
61. Select the Save button
62. Open the Floor Stock Report activity
63. Browse and select material 10003022 and select the Search button
64. The system displays the Floor Stock report as shown in the following screenshot

# SAP ME How-To-Guide for Floor Stock

**Floor Stock Report**

**Main** | **Floor Stock Location**

\* Site: CHET      ▲ Date Range: Not Used

Material Type: All

▲ Material Group:

▲ Material: 10003022      Version:

▲ Inventory ID:       Inventory ID Status: All

▲ SFC:

03/23/2012 12:00:00 AM  
03/23/2012 11:59:59 PM

Search Clear      Show Results in New Window

**FLOOR STOCK REPORT**

Site: CHET      Material Type: All      Material: 10003022      Graphical View

Inventory ID Status: All

| MATERIAL/VERS. | TYPE      | RECEIVE QTY | QTY ON HAND | INFO                               |
|----------------|-----------|-------------|-------------|------------------------------------|
| 10003022/A     | Purchased | 128         | 118         | <a href="#">Floor Stock Detail</a> |

**End of Data**

65. This report now shows that 10 ounces have been used and only 118 ounces are still available
66. Select the Floor Stock Detail link in the INFO column
67. The system displays the Floor Stock Details report as shown in the following screenshot

**FLOOR STOCK DETAILS REPORT**

Site: CHET      Material Type: All      Material: 10003022  
Material Version: A      Inventory ID Status: All

| INVENTORY ID   | STATUS    | QTY ON HAND | INFO                             |
|----------------|-----------|-------------|----------------------------------|
| 10003022-00001 | Available | 22          | <a href="#">Inventory ID Log</a> |
| 10003022-00002 | Available | 32          | <a href="#">Inventory ID Log</a> |
| 10003022-00003 | Available | 32          | <a href="#">Inventory ID Log</a> |
| 10003022-00004 | Available | 32          | <a href="#">Inventory ID Log</a> |

**End of Data**

68. This report shows that the 10 ounces were all used from inventory ID 10003022-00001 (now only 22 ounces left)
69. Select the Inventory ID Log link in the first row of the INFO column

# SAP ME How-To-Guide for Floor Stock

**Inventory ID Log Report**

Inventory ID: 10003022-00001      Current Status: Available

**Inventory ID Details**

|                                     |                                   |                                     |
|-------------------------------------|-----------------------------------|-------------------------------------|
| <b>Material/Vers.:</b> 10003022/A   | <b>Storage Location:</b> C001     | <b>Reserve</b>                      |
| <b>Qty on Hand:</b> 22              | <b>Work Center:</b>               | <input type="checkbox"/>            |
| <b>Receive Qty:</b> 32              | <b>Operation:</b> SETUP_MAIN_GEAR | <input checked="" type="checkbox"/> |
| <b>Vendor:</b> AGCO                 | <b>Resource:</b>                  | <input type="checkbox"/>            |
| <b>Vendor Lot:</b> 2348             | <b>Shop Order:</b>                | <input type="checkbox"/>            |
| <b>Vendor Date Code:</b> 03-22-2012 |                                   |                                     |

**Shelf Life Expiration Date:** Apr 21, 2012 3:39:49 PM  
**Maximum Floor Life:** 1.00 Days

| DATE TIME               | LOG TYPE   | USER | REASON CODE    | DETAILS |
|-------------------------|------------|------|----------------|---------|
| Mar 22, 2012 3:39:49 PM | INV_CREATE | CHET | INV_RECEIPT    | 🔍       |
| Mar 23, 2012 1:51:47 PM | INV_CHANGE | CHET | RTN-INV_CHANGE | 🔍       |

**End of Data**

70. This report now shows the updated Qty on Hand and the additional inventory change action.

## 7 Links to Additional Information

[SAP ME Online Help](#)

## 8 Other Reference Material

SAP ME How-To-Guide – Barcode Scanning

## 9 Overview of Changes

For SAP ME 6.0, the Floor Stock feature was modified in the following manner.

Maintain Floor Stock was modified to:

- Enable edit of most inventory id locations for ERP integrated, under defined circumstances
- Enable “used” inventory id locations to be updated
- Add Split Inventory ID functionality, including the capability to split into multiple additional inventory IDs
- Add capability to move floor stock from one storage location to another
- Add a table for Reason Codes
- Add 2D Barcode support
- Change terminology from Inventory to Floor Stock, except for Inventory ID
- Add TSM Reset functionality
- Correct errors associated with the Maximum Floor Life field
- Enhance the ERP integration for Floor Stock transactions