

Tutorial: Auto Terminate and Ship on Last Step

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Tutorial: Auto Terminate and Ship on Last Step

Estimated time to read: 2 minutes

Objective

Learn how to configure and execute the **Auto Terminate and Ship on Last Step** feature to automatically complete and ship materials at the end of a production flow.

Step 1: Enable System Configuration

- Navigate to the system configuration and locate the following configuration key:
 - `/SMT/MaterialTracking/AutoTerminateAndShipOnLastStep`
- Set the value to:
 - **True**

This enables the feature globally.

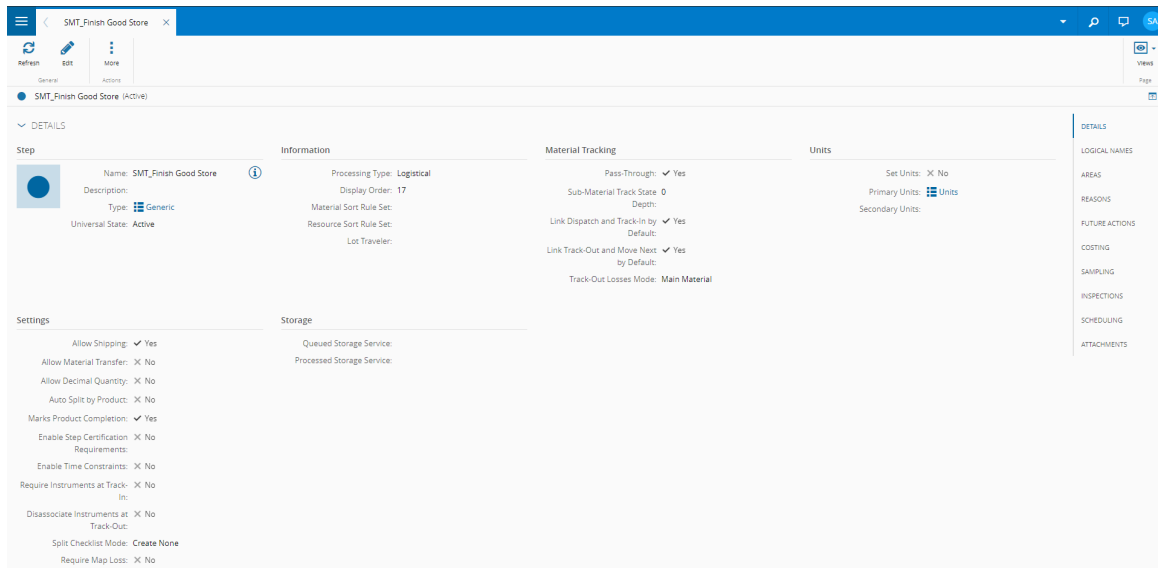
Step 2: Configure the Shipping Facility

- Navigate to **Facility**.
- Select the facility intended to receive completed materials.
- Enable the property:
 - **TerminateOnShip**

Note: If multiple facilities have this property enabled, the system will use the first one available.

Step 3: Configure the Final Flow Step

- Open the relevant **Flow**.
- Identify the **last Step** in the Flow Path.
- Enable the following properties:
 - **Allow Shipping**
 - **Marks Product Completion**



This ensures the step is recognized as the final production and shipping trigger point.

Step 4: Create and Process Material

- Create a **Material** associated with:
 - A **Production Order**
 - A valid **Flow Path**
- Move the material through the flow steps sequentially.

Step 5: Trigger Automatic Termination and Shipping

- Move the material into the **last step** of the flow.
- Observe the system behavior:
 - The material is automatically **completed**
 - The material is automatically **shipped**
 - The destination is the configured **TerminateOnShip Facility**

Expected Result

After reaching the final step:

- No manual shipping action is required
- The material is automatically:
 - Completed
 - Shipped to the correct facility

SMT_Finish Good Store | MaterialToShip

MaterialToShip (Active)

DETAILS

Material Name: MaterialToShip Description: Type: Generic Universal State: Active System State: Queued	Basic Information Form: Board Facility: SMT_Production Product: SMT_Product Product Description: SMT_Product Parent: Approved: Yes Capacity Class:	Flow and Step Flow: SMT_MainFlow Step: SMT_Line Flow Path: SMT_MainFlow > SMT_Line In a Line Step: Yes Line Flow: Line Validation Mode: Line Assembly Mode:	Quantities Primary Quantity: 1 Units Secondary Quantity: Target Quantity:
Sub-Materials Sub-Materials: 0 Sub-Material Primary: 0 Units Quantity: Sub-Material Secondary: Quantity:	Resource and Container Resource: Resource Bin/Position: Resource Area: Container: Container Position:	Priority Priority: 5 Restrictions: No Split Or Merge Restrictions Hot: No	Inspection Current Inspection Order: Current Inspection Order Step: Sample: Open Inspection Order Count: Open Inspection Order Step: Sample Count:
Production Order Production Order: Order No.: Possible Start Date: Due Date:	Flags Hold Count: 0 In Store: No Rework Count: 0 Dispatchable: Yes In Non Sequential Block: No	Floor Life Moisture Sensitivity Level: Remaining Floor Life: Floor Life Counter State: Floor Life Open Date: Floor Life Sealed: No	Manufacturer Manufacturer: Supplier: Purchase Order Number: Manufacturer Part Number: Manufacturer Lot Number: Manufacturer Date Code:

Frequent Configuration Questions

Why is the feature not being triggered?

Verify that:

- The configuration is enabled.
- The step properties are correctly configured.

Why is the material not being shipped?

Ensure that at least one Facility has **TerminateOnShip** enabled.

Why are errors occurring when processing multiple materials?

Ensure that all materials share the same:

- Production Order
- Flow Path



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