

Tutorial: Reprocess Limits

11.3

August 2026

DOCUMENT ACCESS

Public

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Tutorial: Reprocess Limits

Estimated time to read: 2 minutes

Objective

Learn how to configure and validate reprocess limits to control how many times a material can be reprocessed at a specific step.

Step 1: Define the Scenario

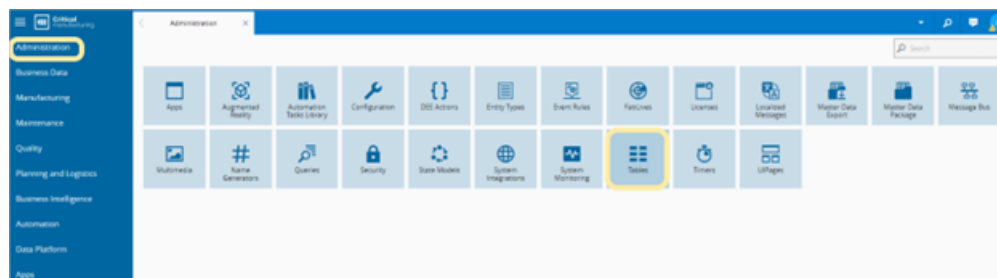
In this example:

- Product: **SMT_Product**
- Step: **SMT_SPI**
- Requirement:
 - Material can only be processed once
 - Reprocessing is not allowed



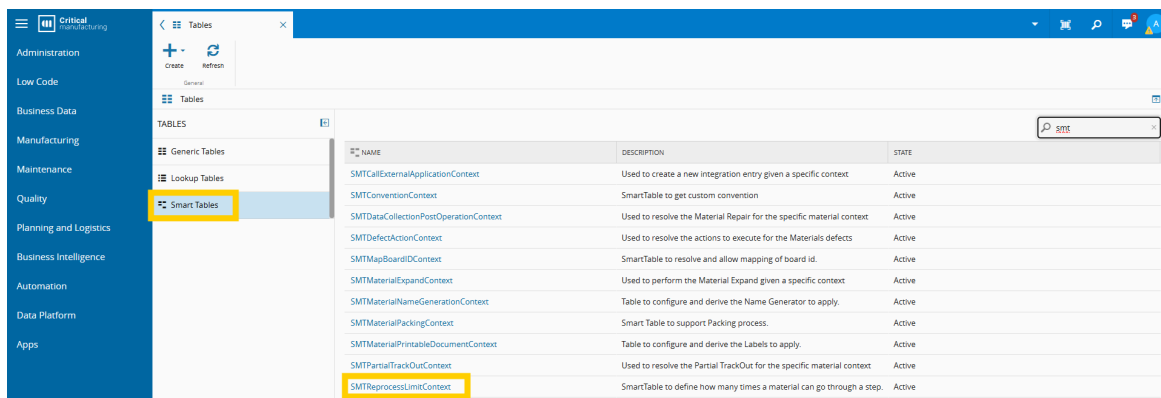
Step 2: Access Smart Table Configuration

- Navigate to **Administration**



- Open **Smart Tables** and select:

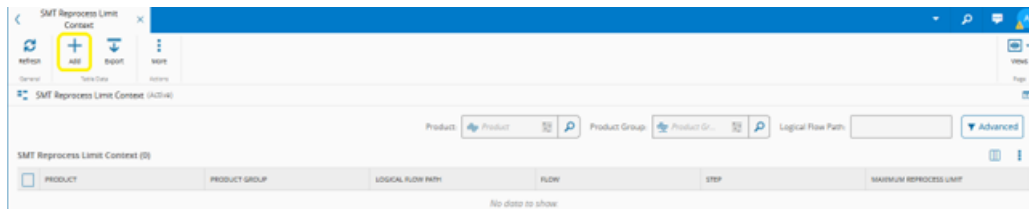
- SMTReprocessLimitContext



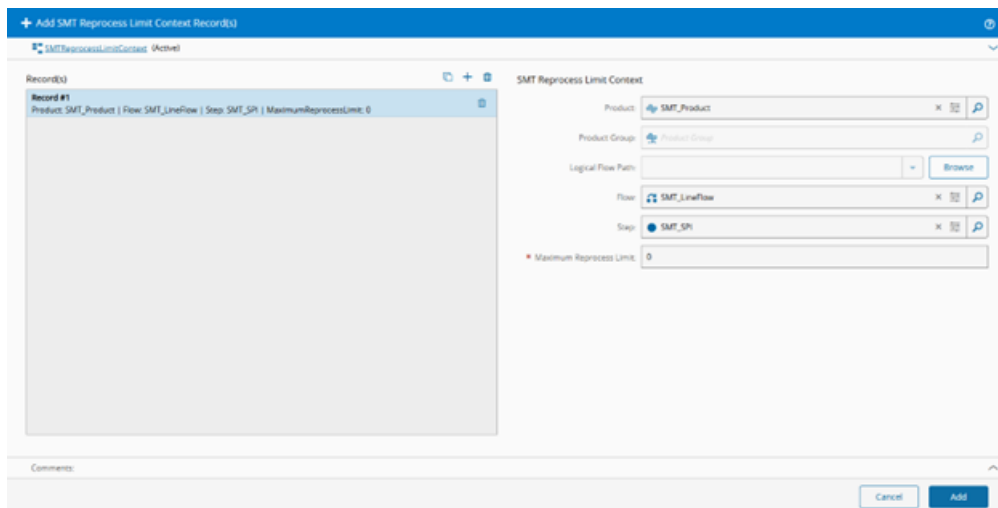
NAME	DESCRIPTION	STATE
SMTCallExternalApplicationContext	Used to create a new integration entry given a specific context	Active
SMTConventionContext	SmartTable to get custom convention	Active
SMTDataCollectionPostOperationContext	Used to resolve the Material Repair for the specific material context	Active
SMTDefectActionContext	Used to resolve the actions to execute for the Materials defects	Active
SMTMapBoardIDContext	SmartTable to resolve and allow mapping of board id.	Active
SMTMaterialExpandContext	Used to perform the Material Expand given a specific context	Active
SMTMaterialNameGenerationContext	Table to configure and derive the Name Generator to apply.	Active
SMTMaterialPackingContext	Smart Table to support Packing process.	Active
SMTMaterialPrintableDocumentContext	Table to configure and derive the Labels to apply.	Active
SMTPartialTrackOutContext	Used to resolve the Partial TrackOut for the specific material context	Active
SMTReprocessLimitContext	SmartTable to define how many times a material can go through a step.	Active

Step 3: Create Reprocess Limit Rule

- Add a new entry



- Configure the following fields:
 - **Product** = applicable product
 - **Flow** = applicable flow
 - **Step** = applicable step
 - **Maximum Reprocess Limit** = 0

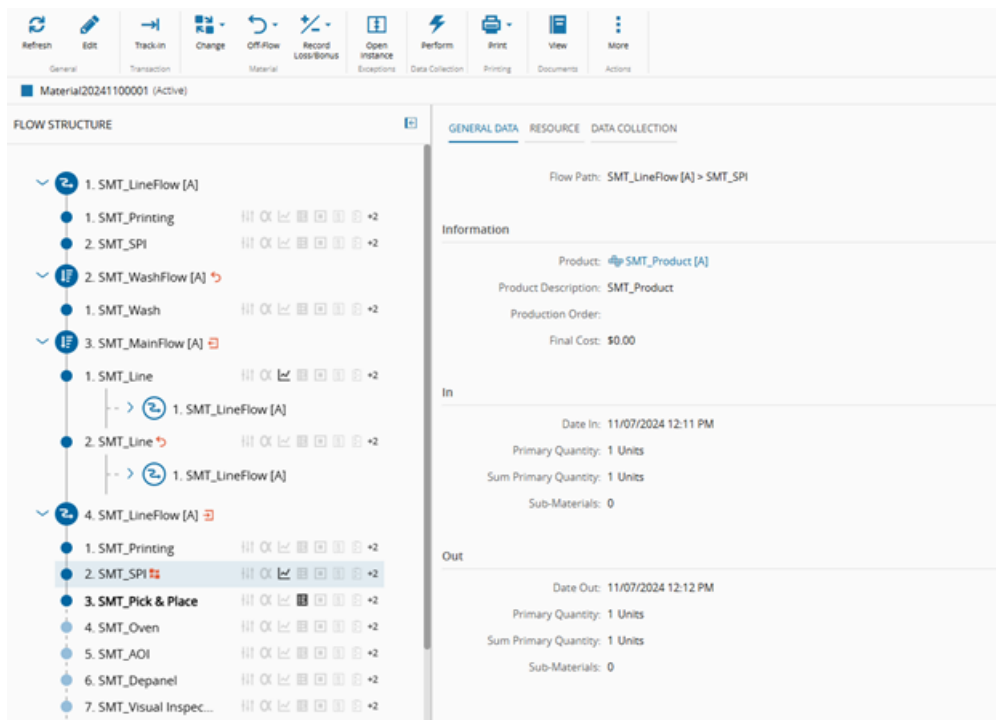


Step 4: Understand the Configuration

- The limit applies only to **reprocessing**, not the initial processing
- Setting:
 - **Maximum Reprocess Limit = 0**
- Means:
 - First processing: allowed
 - Any subsequent reprocessing: blocked

Step 5: Execute Initial Processing

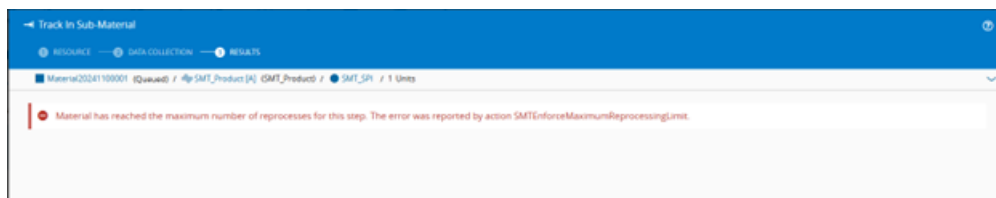
- Process a material at the configured step (SMT_SPI)



The screenshot displays the SAP SMT LineFlow configuration for Material 20241100001. The left pane shows the flow structure with steps 1 to 7. Step 2, SMT_SPI, is highlighted. The right pane shows the 'GENERAL DATA' tab with information about the product (SMT_Product [A]), production order, and final cost (\$0.00). It also shows 'In' and 'Out' quantities for the step.

Step 6: Attempt Reprocessing

- Attempt to process the same material again at SMT_SPI



The screenshot shows the SAP 'Track In Sub-Material' window. A red error message is displayed: 'Material has reached the maximum number of reprocesses for this step. The error was reported by action SMTEnforceMaximumReprocessingLimit.'

Expected Result

- The system blocks the operation
- An exception is raised

- The material cannot proceed at that step
-

Frequent Configuration Questions

Why is reprocessing still allowed?

Verify the following:

- The configured reprocessing limit value is correct.
- The correct Product and Step combination is configured.

Why is the reprocessing rule not being applied?

Check that the Smart Table configuration is correctly defined and active for the relevant process.

Why am I seeing unexpected behavior with reprocessing control?

Confirm that the material is actually being reprocessed and is not undergoing its first pass through the configured step.



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