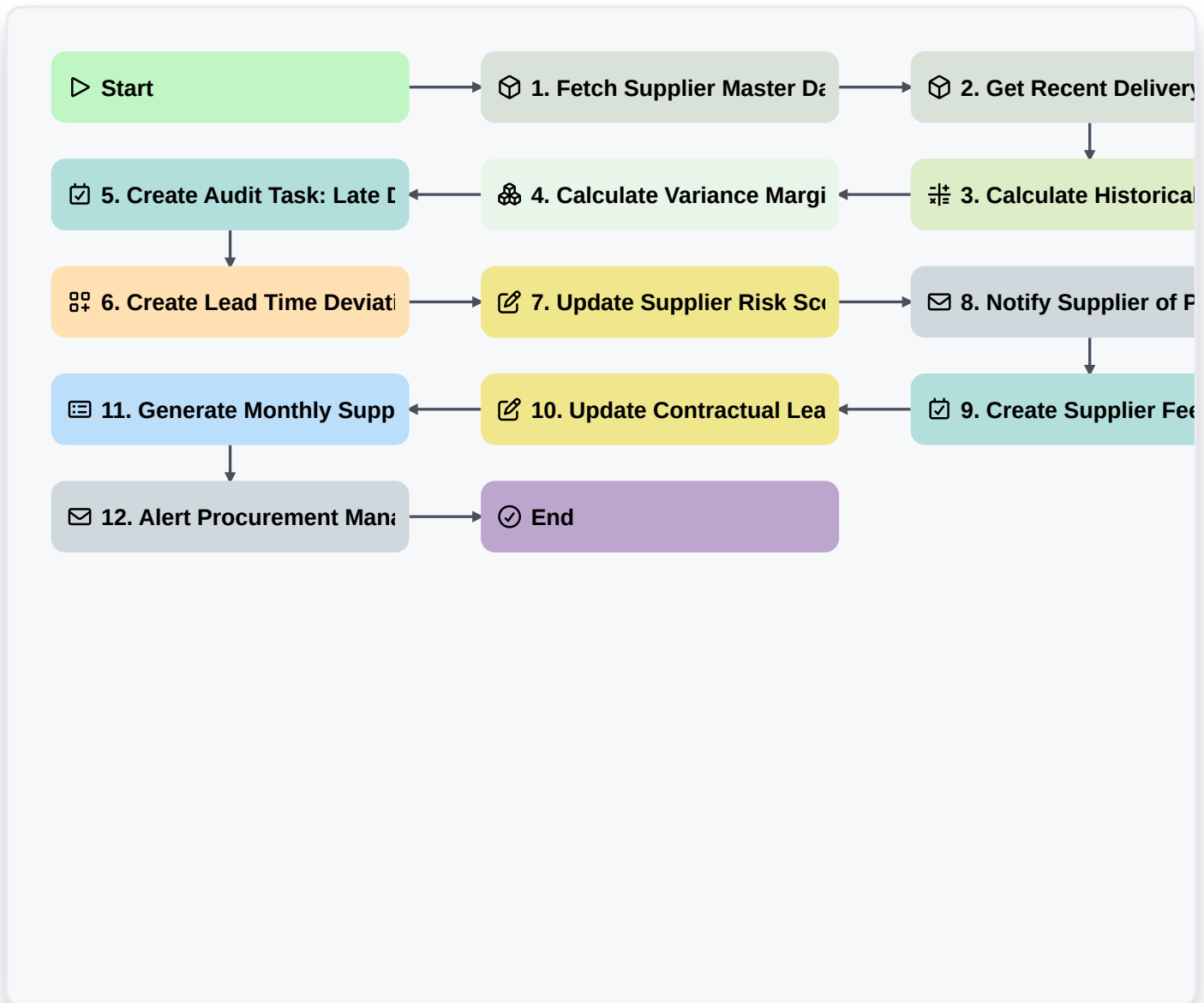


Supplier Lead Time Tracking Workflow



Start

Start of the Workflow/Process.

1. Fetch Supplier Master Data

Retrieve supplier contact details and baseline lead time agreements from the Supplier Data Model.

2. Get Recent Delivery Records

Retrieve the last 5 completed delivery entries for the specific supplier to establish historical context.

3. Calculate Historical Average Lead Time

Calculate the mean duration between 'Order Date' and 'Arrival Date' from retrieved delivery records.

4. Calculate Variance Margin

Aggregate the difference between 'Contracted Lead Time' and 'Actual Lead Time' to identify delays.

5. Create Audit Task: Late Delivery Investigation

Assign a task to the Procurement Officer to investigate if recent delays are due to logistics or production issues.

6. Create Lead Time Deviation Entry

Generate a new record in the 'Lead Time Deviation Log' to document the identified discrepancy.



7. Update Supplier Risk Score

Update the 'Risk Rating' field in the Supplier Master Data based on the calculated variance.

8. Notify Supplier of Performance Deviation

Send an automated email to the supplier's account manager detailing the recent lead time delays.

9. Create Supplier Feedback Task

Create a task for the Supplier to submit a corrective action plan (CAP) via the platform.

10. Update Contractual Lead Time Baseline

If the deviation is permanent, update the 'Standard Lead Time' field in the Supplier Data Model.

11. Generate Monthly Supplier Performance Report

Generate a summary report containing aggregated lead time metrics for all suppliers for the current month.

12. Alert Procurement Manager

Send an internal email alert to the Manager if a supplier's risk score exceeds a predefined threshold.

End

End of the Workflow/Process.