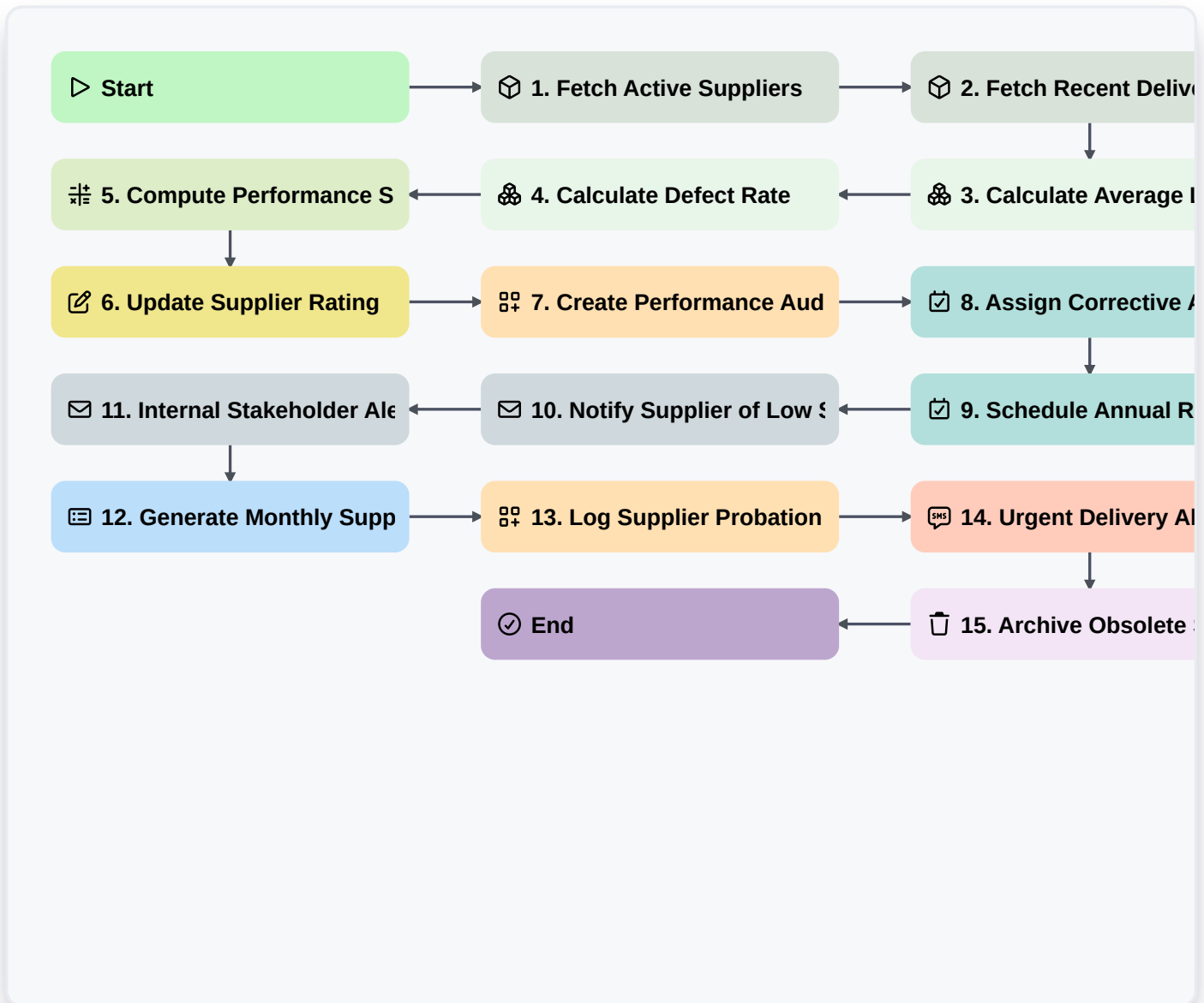


Supplier Performance Monitoring Workflow



Start

Start of the Workflow/Process.

1. Fetch Active Suppliers

Retrieve all entries from the Supplier Data Model that are currently marked as 'Active'.

2. Fetch Recent Delivery Logs

Retrieve all delivery entries associated with the selected supplier from the last 90 days.

3. Calculate Average Lead Time

Calculate the average number of days between 'Order Date' and 'Delivery Date' from delivery logs.

4. Calculate Defect Rate

Calculate the percentage of rejected items versus total items received from the quality logs.

5. Compute Performance Score

Apply a weighted formula combining Lead Time variance, Defect Rate, and Price Stability to generate a 0-100 score.

6. Update Supplier Rating

Update the 'Performance Score' and 'Last Audit Date' fields in the Supplier Data Model.



7. Create Performance Audit Entry

Create a new record in the 'Audit History' data model containing the calculated metrics and score.

8. Assign Corrective Action Task

Create a task for the Procurement Manager if the Performance Score falls below a predefined threshold.

9. Schedule Annual Review

Create a recurring task for the Quality Assurance team to perform a physical site inspection.

10. Notify Supplier of Low Score

Send an automated email to the Supplier Contact Person detailing the performance decline and required improvements.

11. Internal Stakeholder Alert

Send an email to the Head of Supply Chain regarding suppliers who have entered 'Critical' status.

12. Generate Monthly Supplier Scorecard

Generate a PDF report summarizing the performance of all suppliers for the management monthly review.

13. Log Supplier Probation

Create an entry in the 'Supplier Sanctions' data model if the score remains below threshold for two consecutive periods.

14. Urgent Delivery Alert

Send an SMS to the Warehouse Manager if a high-priority supplier fails a critical quality check.

15. Archive Obsolete Supplier Logs

Remove/Archive delivery entries older than 5 years from the system to maintain performance.

End

End of the Workflow/Process.