⊘ ChecklistGuro

Production Data Analysis & Reporting Workflow

▷ Start	⬡ 1. Retrieve Production Data	⊛ 2. Calculate Total Out
⊞ 5. Create Summary Report	⇌ 4. Calculate OEE	⊛ 3. Calculate Defect Ra
✎ 6. Update Performance Met	☑ 7. Assign Review Task to S	✉ 8. Send Report to Stal
⊛ 11. Calculate Downtime Dur	⬡ 10. Fetch Downtime Events	▤ 9. Generate Visual Da
⇌ 12. Calculate Yield Rate	✎ 13. Log Report Generation	☑ 14. Escalate Issues to
		⊘ End
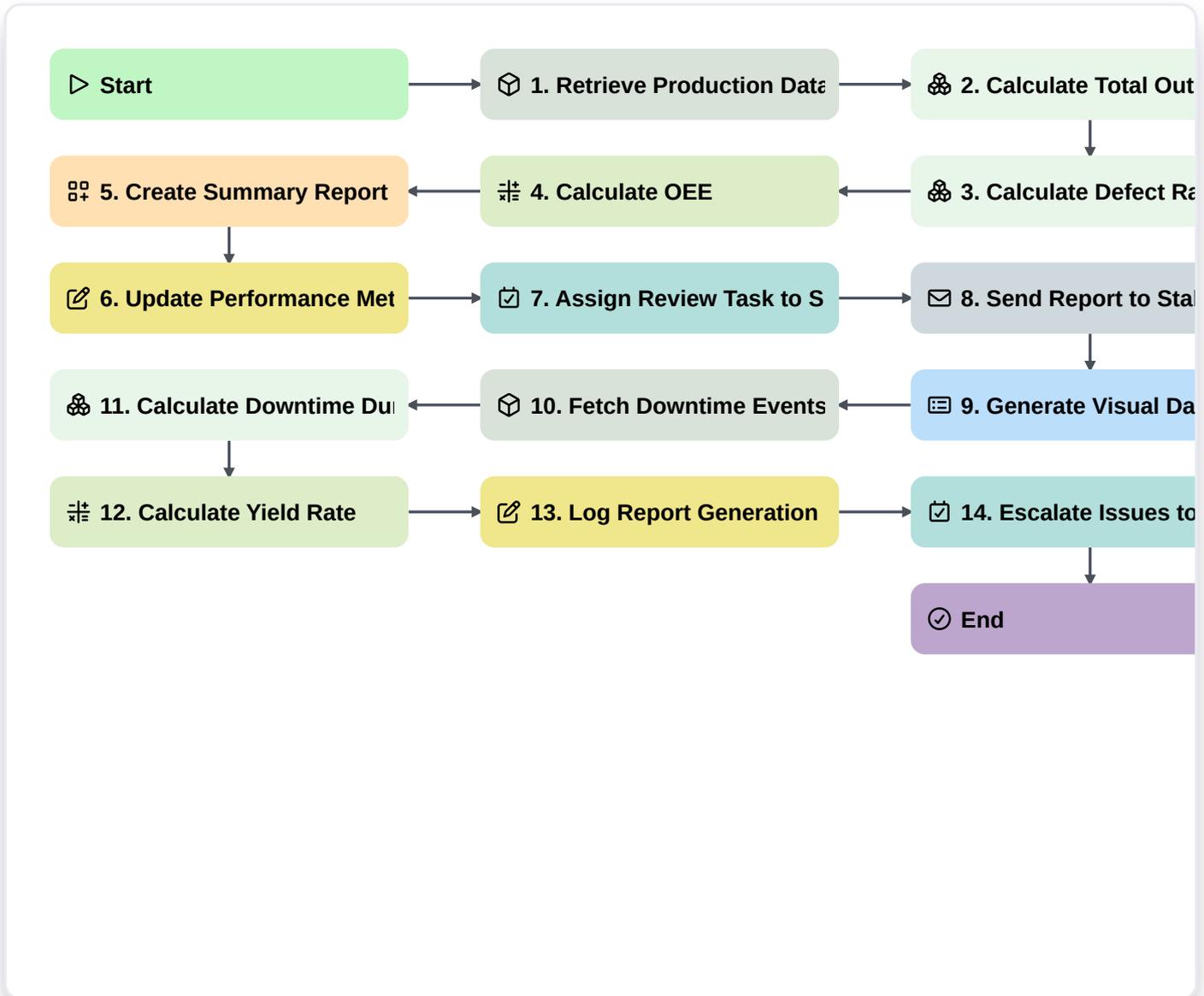
▷ Start
Start of the Workflow/Process.

⬡ 1. Retrieve Production Data
Fetch raw production data from the MES system for the reporting period.

⊛ 2. Calculate Total Output
Aggregate production entries to determine total units produced.

⊛ 3. Calculate Defect Rate
Aggregate data on defective units to calculate the overall defect rate.

⇌ 4. Calculate OEE
Calculate Overall Equipment Effectiveness (OEE) based on availability, performance, and quality data.

⊞ 5. Create Summary Report Entry
Create a new entry in the 'Production Summary Reports' data model.

✎ 6. Update Performance Metrics
Update existing KPIs in the 'Production Performance' data model with the calculated values.

☑ 7. Assign Review Task to Supervisor

Create a task for the production supervisor to review the generated report.

✉ 8. Send Report to Stakeholders

Automatically email the report to relevant stakeholders (e.g., plant manager, quality team).

▦ 9. Generate Visual Dashboard

Create a visual dashboard summarizing key production metrics.

◈ 10. Fetch Downtime Events

Retrieve information about downtime events from the maintenance system.

⬡ 11. Calculate Downtime Duration

Aggregate downtime event data to determine total downtime duration.

⚟ 12. Calculate Yield Rate

Calculate yield rate based on good output and total input.

✏ 13. Log Report Generation

Update a log entry to record the report generation and its status.

☑ 14. Escalate Issues to Engineering

Create a task for the engineering team if critical thresholds are breached.

⊘ End

Start of the Workflow/Process.