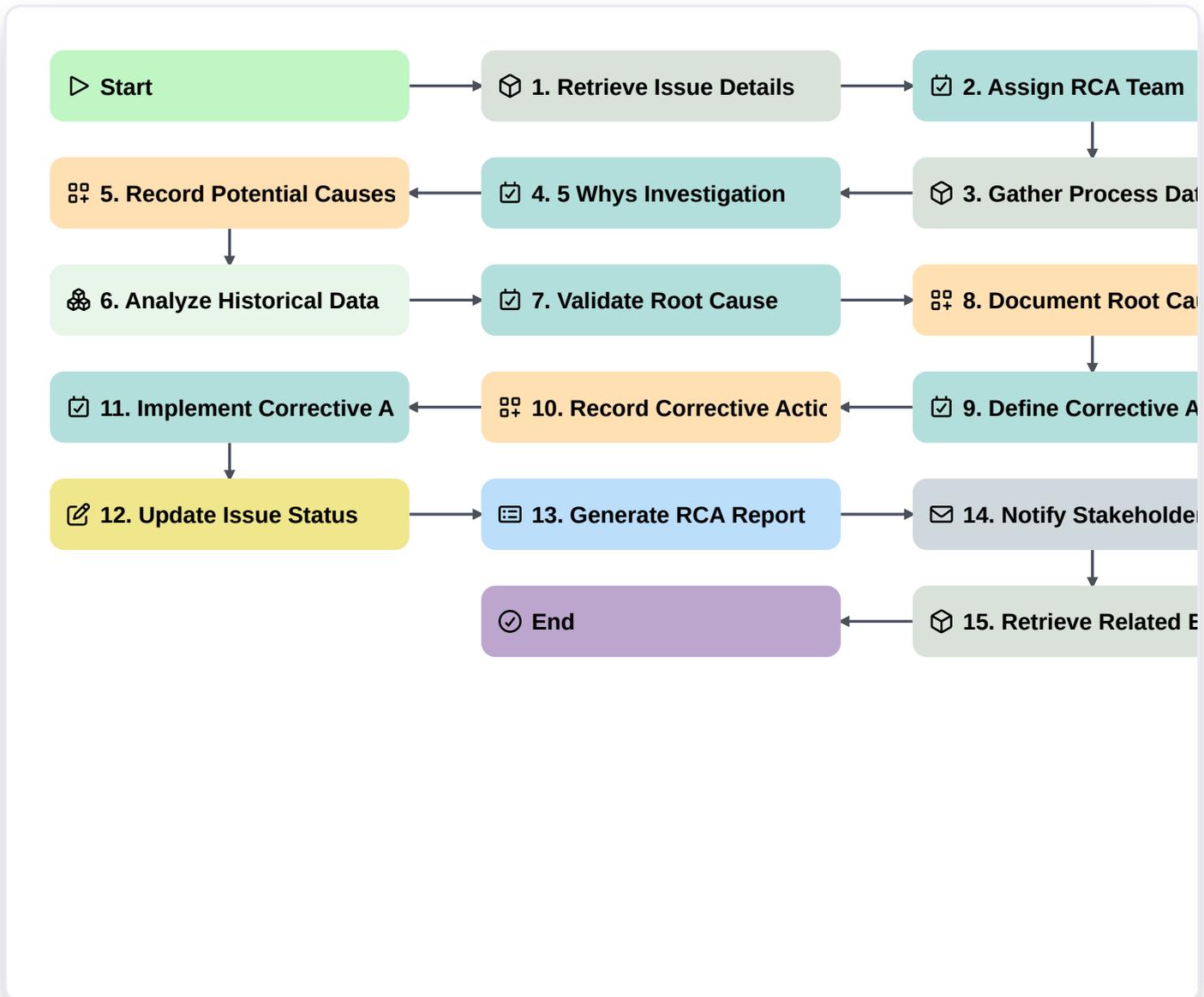


Root Cause Analysis (RCA) Workflow For Manufacturing Issues



▷ **Start**

Start of the Workflow/Process.

 **1. Retrieve Issue Details**

Fetch all relevant data related to the reported manufacturing issue from the 'Issue Log' data model.

 **2. Assign RCA Team**

Create a task to assign the RCA team members based on the issue type and severity.

 **3. Gather Process Data**

Retrieve process data (e.g., machine logs, sensor readings, operator records) associated with the issue from relevant data models.

 **4. 5 Whys Investigation**

Create a task prompting the RCA team to conduct a '5 Whys' investigation to identify the underlying causes.

 **5. Record Potential Causes**

Create an entry in the 'Potential Cause Log' data model to document all identified potential causes.

6. Analyze Historical Data

Aggregate data from historical issue logs to identify patterns and correlations.

7. Validate Root Cause

Create a task to validate the identified root cause through data analysis and testing.

8. Document Root Cause

Create an entry in the 'Root Cause Analysis' data model, detailing the confirmed root cause.

9. Define Corrective Actions

Create a task for the RCA team to define specific corrective actions to prevent recurrence.

10. Record Corrective Actions

Create an entry in the 'Corrective Action Plan' data model, outlining the planned actions and responsible parties.

11. Implement Corrective Actions

Create tasks for implementing the defined corrective actions, assigning owners and deadlines.

12. Update Issue Status

Update the 'Issue Log' entry to reflect the resolved status and the implemented corrective actions.

13. Generate RCA Report

Create a report summarizing the RCA process, findings, and corrective action plan.

14. Notify Stakeholders

Send an email to relevant stakeholders, including management and affected departments, informing them of the RCA findings and corrective actions.

15. Retrieve Related Entries

Get entries from related data models, such as 'Machine Maintenance Log', 'Operator Training Records', to provide additional context for the RCA.

End

Start of the Workflow/Process.