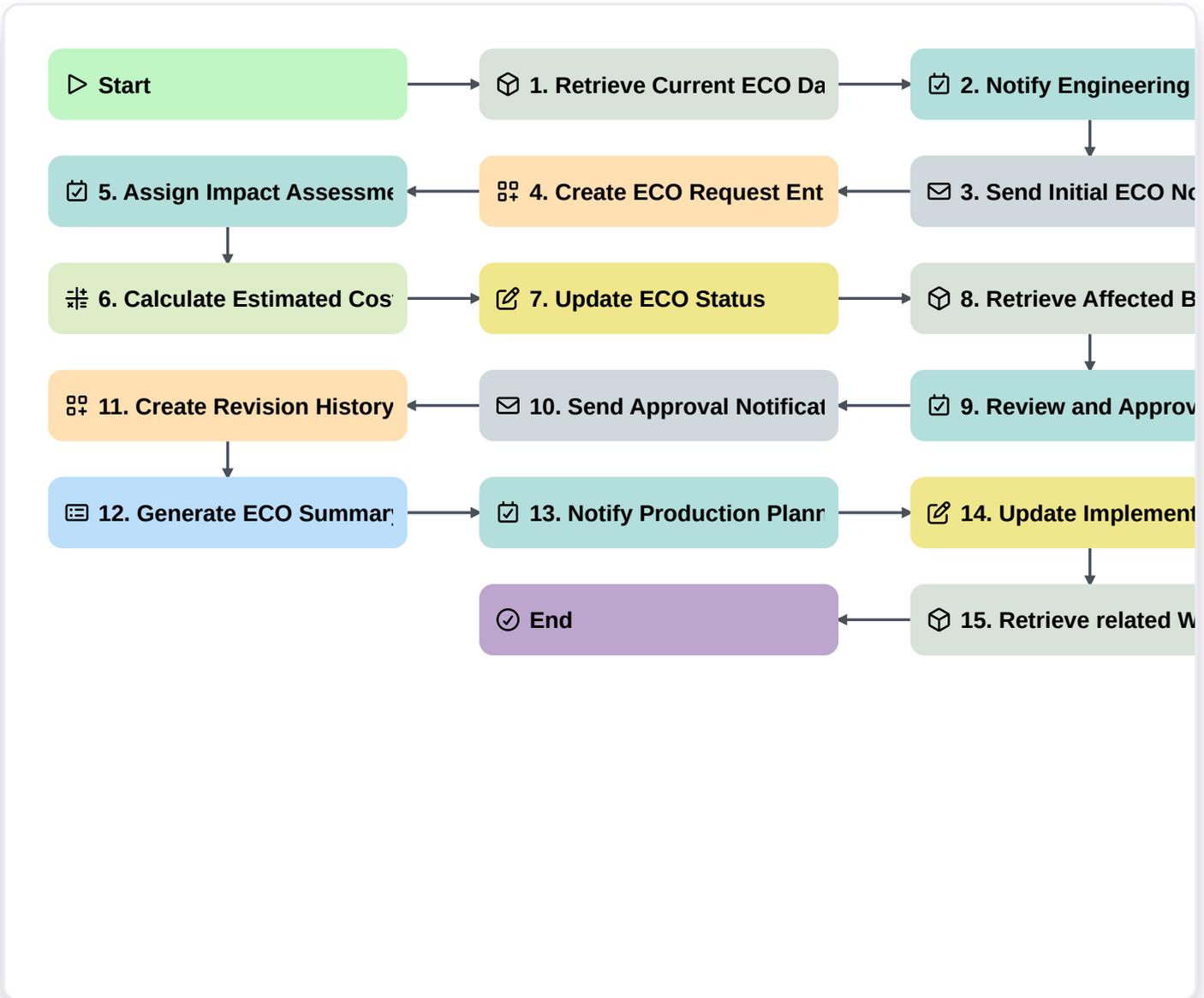


Manufacturing Engineering Change Order (ECO) Process



▷ **Start**

Start of the Workflow/Process.

 **1. Retrieve Current ECO Data**

Fetch existing ECO data from the ECO data model.

 **2. Notify Engineering Lead**

Create a task for the Engineering Lead to review the ECO request.

 **3. Send Initial ECO Notification**

Email notification to relevant stakeholders regarding the submitted ECO.

 **4. Create ECO Request Entry**

Create a new entry in the ECO Request data model.

 **5. Assign Impact Assessment**

Create a task to assess the impact of the proposed change.

6. Calculate Estimated Cost

Calculate the estimated cost of the change based on material and labor costs.

7. Update ECO Status

Update the ECO status field in the ECO data model.

8. Retrieve Affected BOMs

Fetch BOMs potentially impacted by the ECO.

9. Review and Approve BOM Changes

Create a task for BOM engineers to review and approve necessary changes.

10. Send Approval Notification

Email notification upon ECO approval.

11. Create Revision History Entry

Create a new entry in the ECO Revision History data model to track changes.

12. Generate ECO Summary Report

Create a report summarizing the ECO details, impact assessment, and approval status.

13. Notify Production Planning

Create a task for Production Planning to prepare for implementation.

14. Update Implementation Status

Update the implementation status field in the ECO data model.

15. Retrieve related Work Orders

Fetch relevant work orders impacted by the ECO.

End

Start of the Workflow/Process.