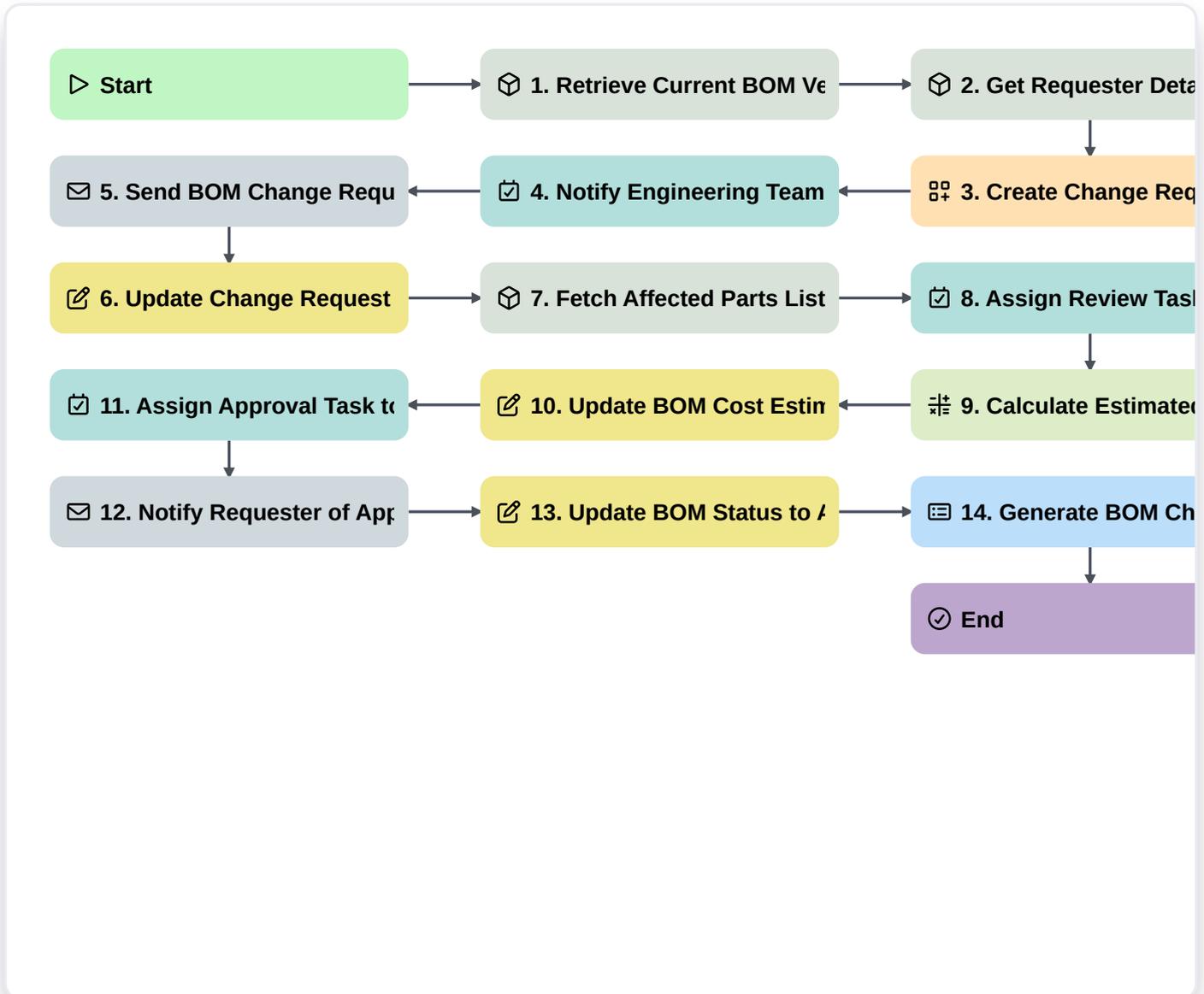


# Bill Of Materials (BOM) Approval Workflow



## Start

Start of the Workflow/Process.

## 1. Retrieve Current BOM Version

Fetch the latest version of the Bill of Materials from the BOM Data Model.

## 2. Get Requester Details

Retrieve details of the user requesting the BOM change.

## 3. Create Change Request Entry

Create a new entry in the Change Request Data Model to document the request.

## 4. Notify Engineering Team

Create a task assigned to the Engineering team to review the BOM change request.

## 5. Send BOM Change Request Notification

Send an email notification to the requester and relevant stakeholders about the new BOM change request.

## 6. Update Change Request Status

Update the status of the Change Request entry (e.g., 'Under Review').

### **7. Fetch Affected Parts List**

Retrieve a list of parts affected by the proposed BOM change.

### **8. Assign Review Task to Quality**

Create a task for the Quality team to review the impact of the change.

### **9. Calculate Estimated Cost Impact**

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

### **10. Update BOM Cost Estimate**

Update the BOM data model with calculated cost estimate.

### **11. Assign Approval Task to Management**

Create a task for management to review and approve the BOM change.

### **12. Notify Requester of Approval Status**

Send an email to the requester with the final approval or rejection decision.

### **13. Update BOM Status to Approved/Rejected**

Update the BOM Data Model status field.

### **14. Generate BOM Change Report**

Create a report summarizing the BOM change request, approvals, and reasons (if rejected).

### **End**

Start of the Workflow/Process.