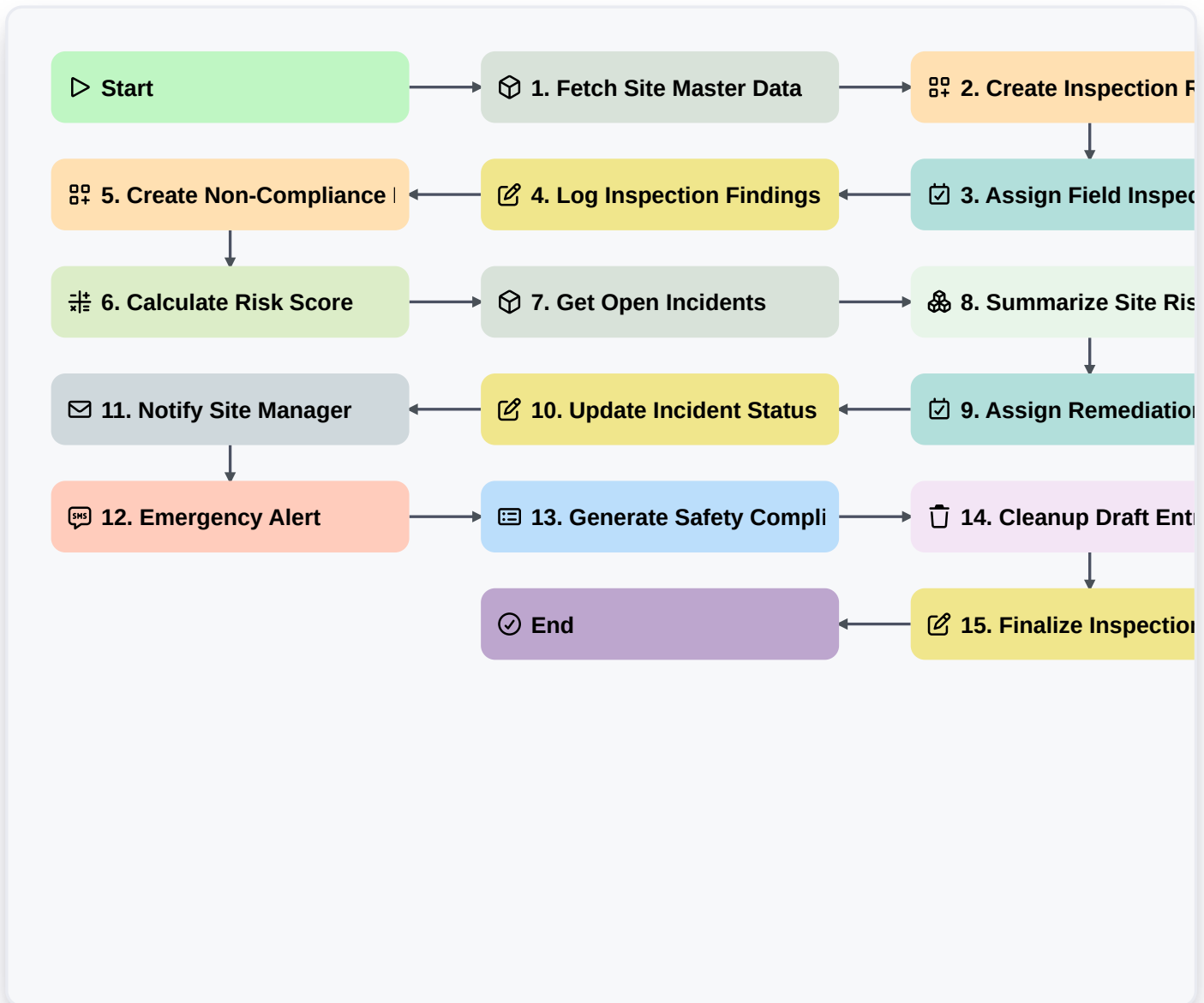


Mine Site Safety Inspection Workflow



▷ Start

Start of the Workflow/Process.

📦 1. Fetch Site Master Data

Retrieve current mine site details, including location and site manager contact info, to populate the inspection form.

📄 2. Create Inspection Record

Generate a new entry in the 'Safety Inspections' data model once the inspection starts.

📝 3. Assign Field Inspector

Create a task for the designated safety officer to perform the physical walkthrough.

📝 4. Log Inspection Findings

Update the Inspection Record with findings, photos, and observations captured during the walkthrough.

📄 5. Create Non-Compliance Issue

If a safety violation is found, create a new entry in the 'Safety Incidents/Non-Compliance' data model.

📊 6. Calculate Risk Score

Apply a formula to the severity and probability findings to determine the overall Risk Level (Low, Medium, High).



7. Get Open Incidents

Retrieve all existing open non-compliance entries for the specific site to check for recurring issues.

8. Summarize Site Risk Level

Aggregate the risk scores of all active non-compliance entries to provide a site-wide safety health metric.

9. Assign Remediation Task

Create a follow-up task for the Site Supervisor if any 'High' risk findings are identified.

10. Update Incident Status

Update the status of the linked Non-Compliance entry to 'Under Investigation' or 'Resolved'.

11. Notify Site Manager

Send an automated email to the Site Manager if the Risk Score exceeds the safety threshold.

12. Emergency Alert

Send an SMS alert to the Safety Head if a 'Critical' life-threatening hazard is recorded.

13. Generate Safety Compliance Report

Generate a PDF summary report of the completed inspection for regulatory archiving.

14. Cleanup Draft Entry

Delete the temporary inspection draft if the inspection was abandoned or cancelled.

15. Finalize Inspection Record

Update the Inspection Record status to 'Completed' and timestamp the closure.

End

End of the Workflow/Process.