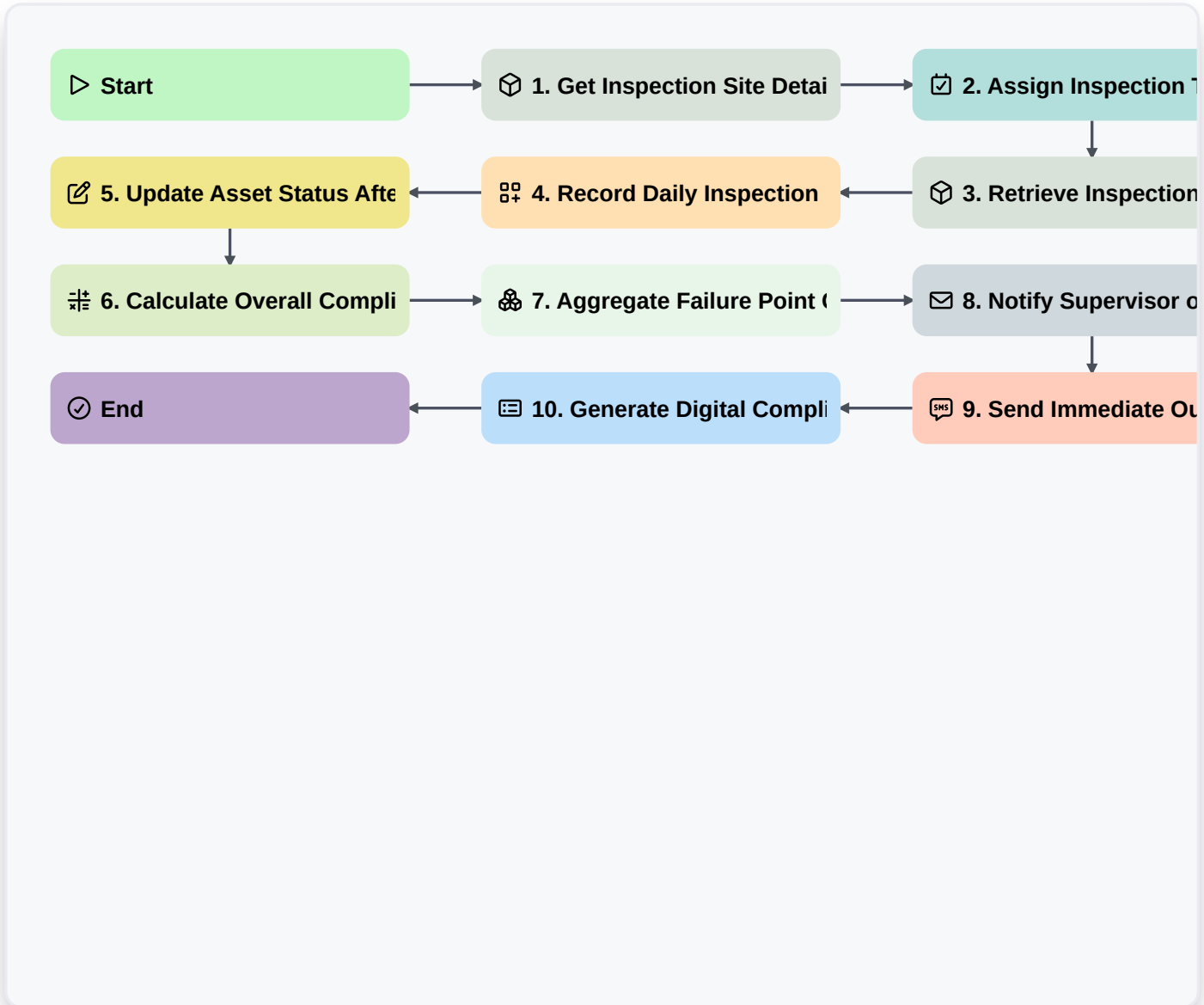


Facility Inspection Workflow: Digital Management For Built Environment Compliance



Start

Start of the Workflow/Process.

1. Get Inspection Site Details

Retrieves initial facility information (e.g., Site ID, Location Coordinates) from the Asset Data Model.

2. Assign Inspection Task to Inspector

Automatically assigns the inspection checklist and workflow to the assigned inspector user.

3. Retrieve Inspection Checklist Template

Fetches the standardized checklist associated with the specific facility type or area.

4. Record Daily Inspection Findings

Allows the inspector to create new entries for observed conditions (e.g., 'Damage Reported', 'Operational Check').

5. Update Asset Status After Inspection

Updates the main Asset Record with the completion date, overall inspection score, and next scheduled date.

6. Calculate Overall Compliance Score

Executes a formula based on checklist items (e.g., $(\text{Passed Items} / \text{Total Items}) * 100$) to determine site compliance percentage.

7. Aggregate Failure Point Count

Sums up the total number of non-compliant entries recorded during the inspection process.

8. Notify Supervisor of Inspection Completion

Sends an email summary report to the supervising manager upon successful completion of the inspection.

9. Send Immediate Out-of-Service Alert

Sends an immediate SMS alert if a critical, safety-related failure point is identified.

10. Generate Digital Compliance Report

Compiles all data entries, calculations, and findings into a final, time-stamped, and immutable digital report for record-keeping.

End

Start of the Workflow/Process.