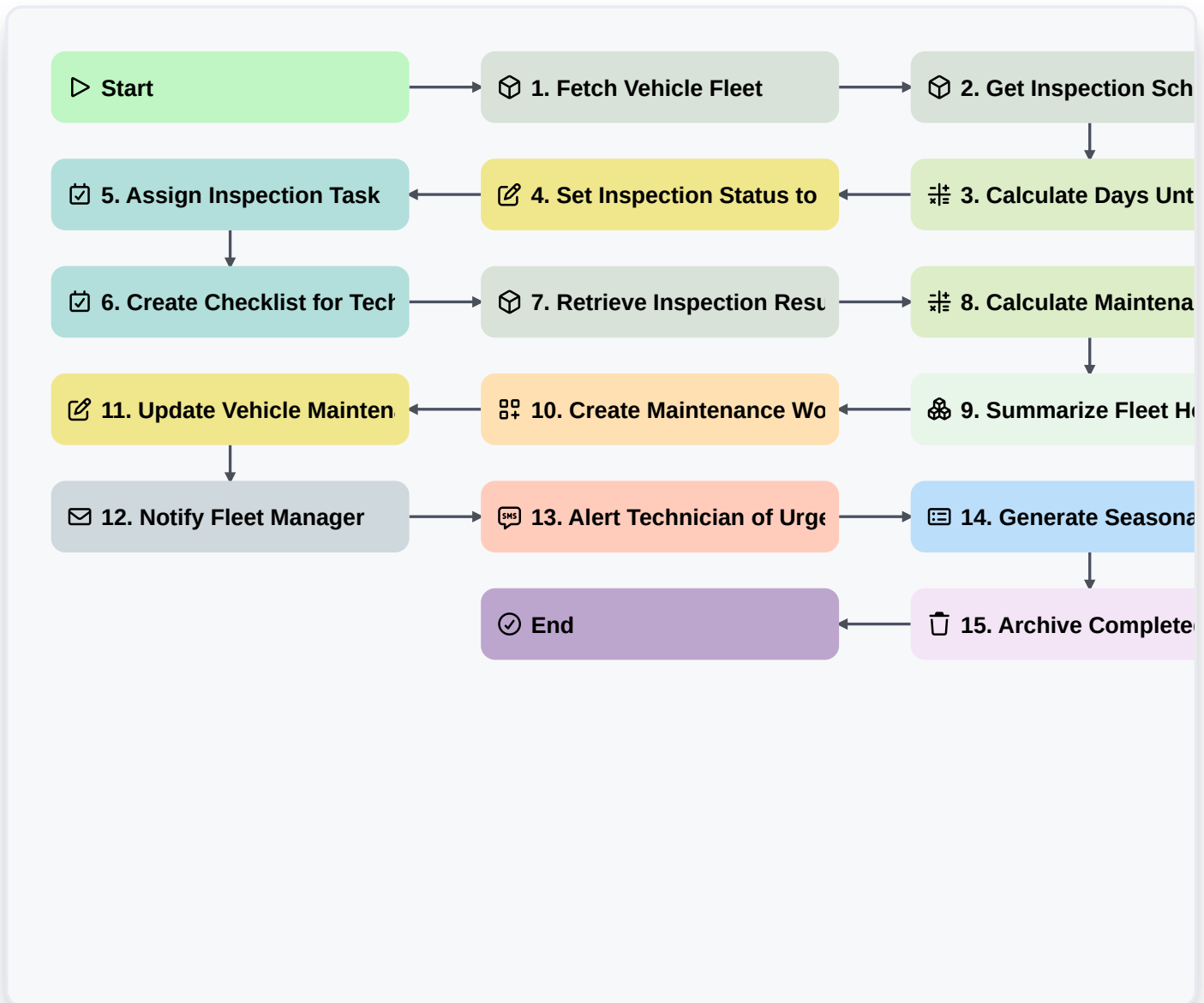


Seasonal Vehicle Inspection Workflow



Start

Start of the Workflow/Process.

1. Fetch Vehicle Fleet

Retrieve all active vehicle records from the Vehicle Data Model to identify which need inspection.

2. Get Inspection Schedule

Retrieve the predefined seasonal inspection schedule and deadline dates.

3. Calculate Days Until Deadline

Calculate the remaining days between the current date and the inspection due date.

4. Set Inspection Status to 'Pending'

Update the status of the selected vehicle entries to 'Scheduled' for the current season.

5. Assign Inspection Task

Create a new task assigned to the Fleet Technician to perform the physical inspection.

6. Create Checklist for Technician

Generate a standardized seasonal checklist (tires, fluids, brakes, lights) within the inspection task.



7. Retrieve Inspection Results

Fetch the completed inspection data entries and checklist responses.

8. Calculate Maintenance Score

Calculate a health score based on the number of 'Fail' vs 'Pass' items in the checklist.

9. Summarize Fleet Health

Aggregate all inspection results to calculate the percentage of the fleet that passed the inspection.

10. Create Maintenance Work Order

If failures are detected, create a new entry in the Maintenance Work Order data model.

11. Update Vehicle Maintenance Record

Update the 'Last Inspected Date' and 'Maintenance Needed' flag in the Vehicle Data Model.

12. Notify Fleet Manager

Send an email report to the Fleet Manager summarizing the inspection outcomes and critical failures.

13. Alert Technician of Urgent Repairs

Send an SMS to the lead mechanic if a critical safety failure is identified during the inspection.

14. Generate Seasonal Compliance Report

Create a comprehensive PDF report containing all inspection results for regulatory compliance.

15. Archive Completed Inspection Logs

Remove temporary inspection draft entries from the active workspace to maintain system cleanliness.

End

End of the Workflow/Process.