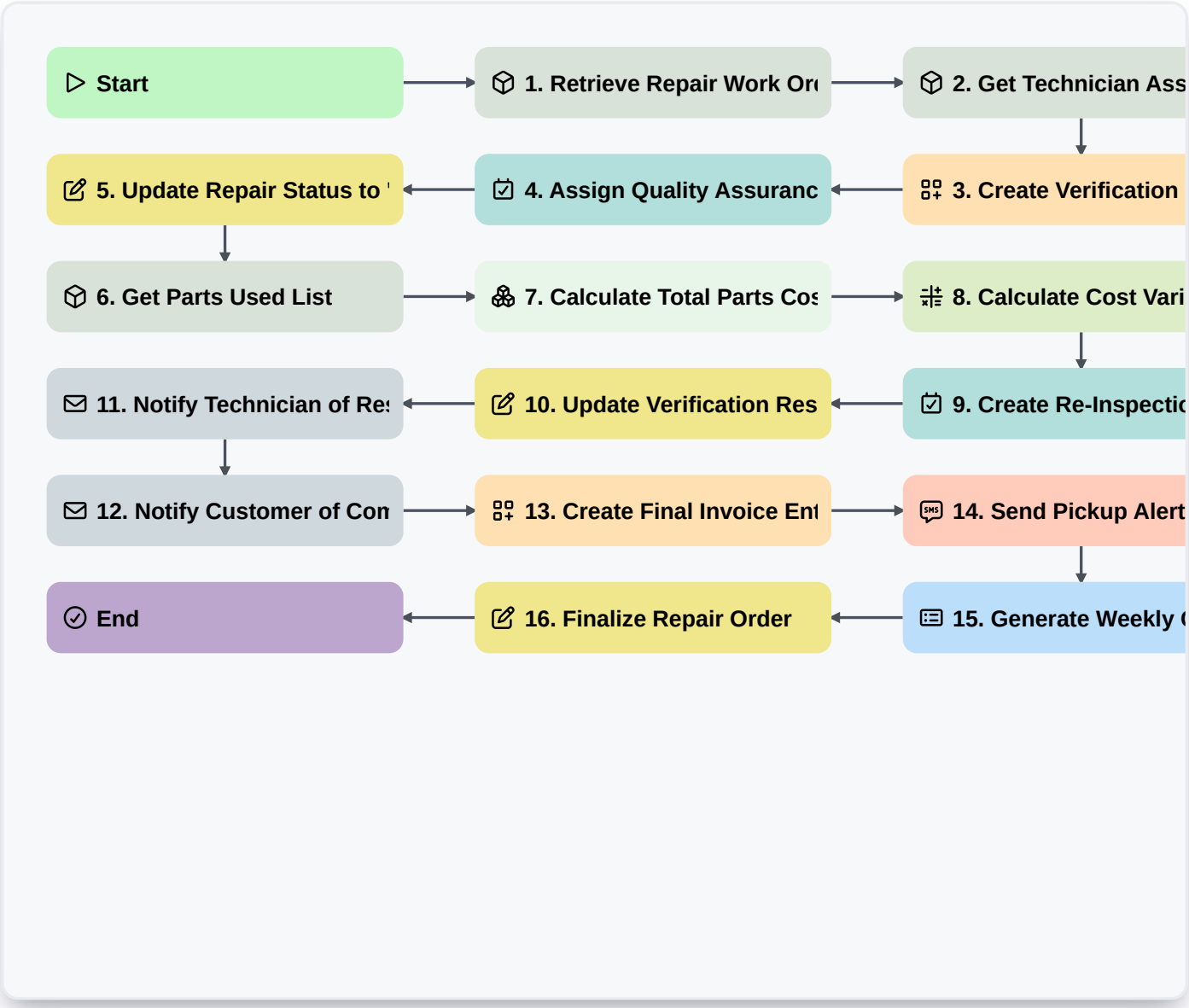
ChecklistGuro

Post-Repair Verification Workflow



Start
Start of the Workflow/Process.

1. Retrieve Repair Work Order
Fetch the primary repair record and its associated technical details from the Repair Data Model.

2. Get Technician Assignment
Identify the technician assigned to the repair to determine the person responsible for verification.

3. Create Verification Checklist
Generate a new entry in the Verification Data Model linked to the original Repair Work Order.

4. Assign Quality Assurance Task
Create a task for the QA Supervisor to perform the physical inspection of the repaired item.

5. Update Repair Status to 'In Verification'
Change the status of the original Repair Work Order entry to reflect it is currently undergoing verification.

6. Get Parts Used List
Retrieve all parts entries associated with this repair to ensure they match the replacement logs.

7. Calculate Total Parts Cost
Sum the cost property of all parts entries retrieved to verify the total repair cost against the estimate.

8. Calculate Cost Variance
Calculate the difference between the Estimated Cost and the Actual Total Parts Cost.

9. Create Re-Inspection Task (If Failed)
If the verification checklist fails, create a high-priority task for the original technician to rework the repair.

10. Update Verification Results
Update the Verification Data Model entry with the final Pass/Fail outcome and inspector notes.

11. Notify Technician of Result
Send an automated email to the technician notifying them if the repair passed or requires rework.

12. Notify Customer of Completion
Send a professional email to the customer informing them that their item has passed verification and is ready for pickup.

13. Create Final Invoice Entry
Generate a new entry in the Billing Data Model based on the verified repair costs.

14. Send Pickup Alert
Send a short SMS to the customer's registered phone number confirming the item is ready.

15. Generate Weekly Quality Report
Compile a report of all completed Post-Repair Verifications for the current week for management review.

16. Finalize Repair Order
Update the original Repair Work Order status to 'Closed' and timestamp the completion.

End
End of the Workflow/Process.