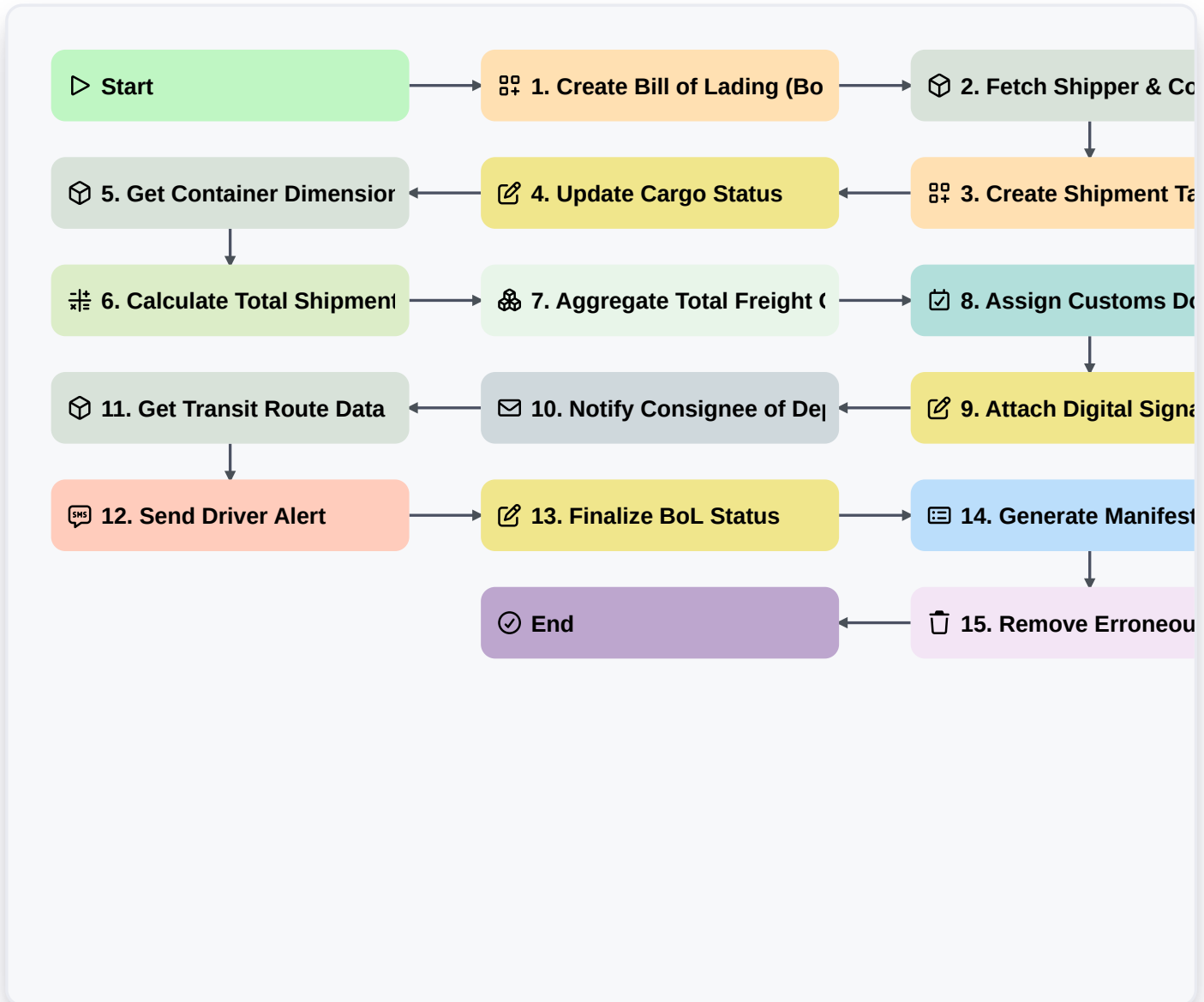


Digital Bill Of Lading Management Workflow



▷ Start

Start of the Workflow/Process.

☰ 1. Create Bill of Lading (BoL) Record

Initialize a new BoL entry in the system with primary shipment details.

📦 2. Fetch Shipper & Consignee Details

Retrieve contact and address information from the Partner Data Model.

☰ 3. Create Shipment Task

Generate a task for the Logistics Coordinator to verify cargo readiness.

✍️ 4. Update Cargo Status

Update the BoL entry status to 'Cargo Loaded' once loading is confirmed.

📦 5. Get Container Dimensions

Retrieve weight and volume data from the Equipment Data Model.

⚖️ 6. Calculate Total Shipment Weight

Sum the weights of all individual items/packages listed in the BoL.



7. Aggregate Total Freight Charges

Sum all associated service fees and fuel surcharges for the shipment.

8. Assign Customs Documentation Task

Create a task for the Documentation Specialist to prepare customs clearance papers.

9. Attach Digital Signature

Update the BoL entry with the timestamped digital signature of the carrier.

10. Notify Consignee of Departure

Send an automated email to the receiver with the BoL number and estimated arrival.

11. Get Transit Route Data

Retrieve the planned route and port of entry from the Route Data Model.

12. Send Driver Alert

Send an SMS to the truck driver with the pickup location and BoL reference.

13. Finalize BoL Status

Update the BoL record status to 'Dispatched' or 'In Transit'.

14. Generate Manifest Report

Create a consolidated report of all BoLs departing on the same vessel/truck.

15. Remove Erroneous Draft

Delete the draft BoL entry if it was created in error during the data entry phase.

End

End of the Workflow/Process.