



Industry Blueprint – Container Shipping 2023.4 Process Maps

**Digital Container Shipping Association
(DCSA)**

December 2023

Level 1: Process description of the journey types



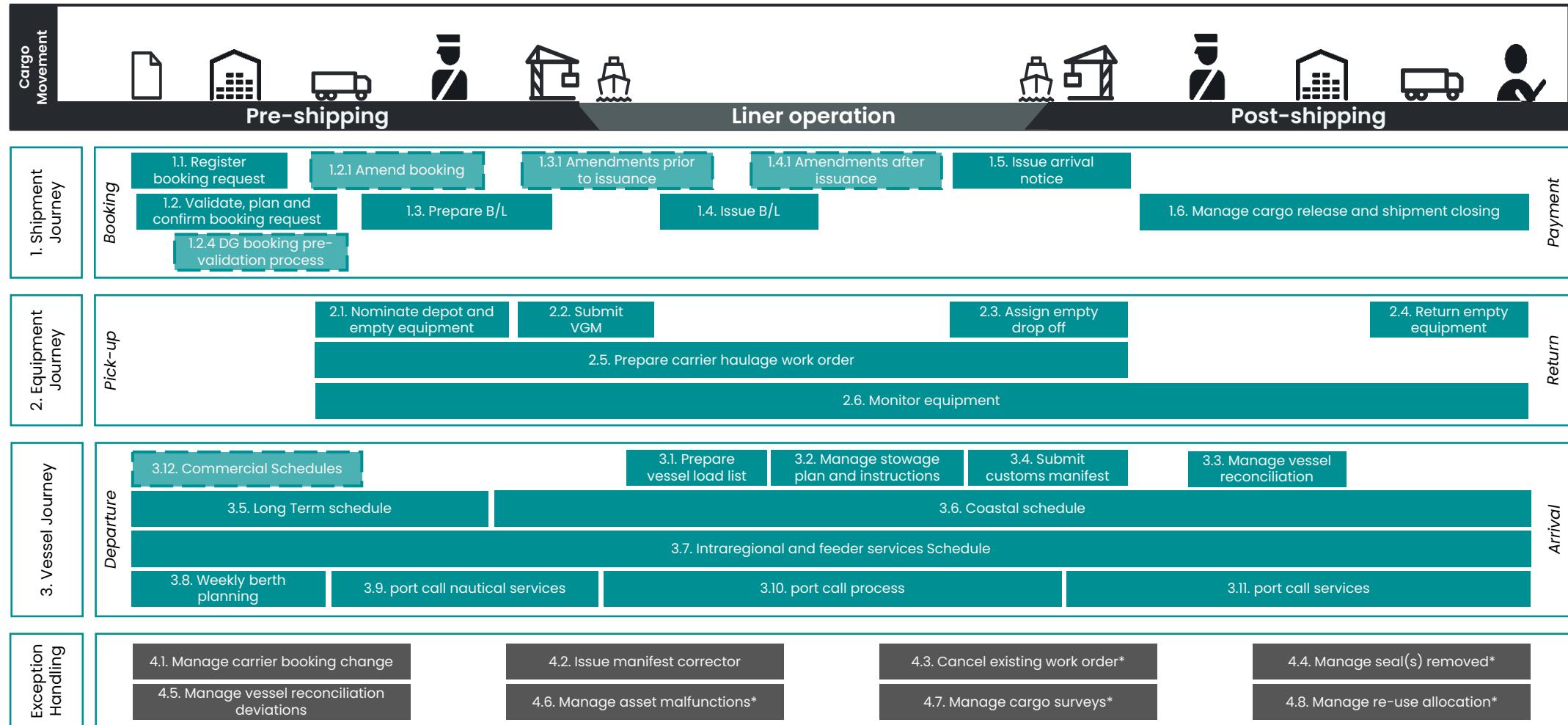
Definitions for Shipment Journey, Equipment Journey and Vessel Journey are included for the Carrier Booking-to-Container Return end-to-end process.

Cargo Movement		Pre-shipping	Liner operation	Post-shipping	
1. Shipment Journey	Booking	Booking-to-Payment covers all activities and documentation processes related to a customer's order <ul style="list-style-type: none">Customer-driven processes (and/or triggered by the customer)Process executed in relation to an agreement made between the customer and the carrier, which is later invoiced and settled			Payment
2. Equipment Journey	Pick-up	Pick-up-to-Return covers all activities and documentation processes directly related to containers and/or physical container movements <ul style="list-style-type: none">Equipment-driven processesCarrier-driven processes			Return
3. Vessel Journey	Departure	Departure-to-Arrival covers all activities and documentation processes related to one vessel AND the relevant port calls in relation to the transport of one shipment <ul style="list-style-type: none">Activities required to execute a port call successfullyPreparation of vessel arrival and follow-up post vessel departure<i>"During sea passage" is excluded from the scope of Industry Blueprint 2023.4</i>			Arrival

Level 2: overview of activity maps



Level 1 (Carrier Booking-to-Container Return), Level 2 journeys (Booking-to-Payment, Pick-up-to-Return and Departure-to-Arrival) and Level 3 processes documented within the Industry Blueprint – Container Shipping 2023.4 are listed below.



Core process
Optional process

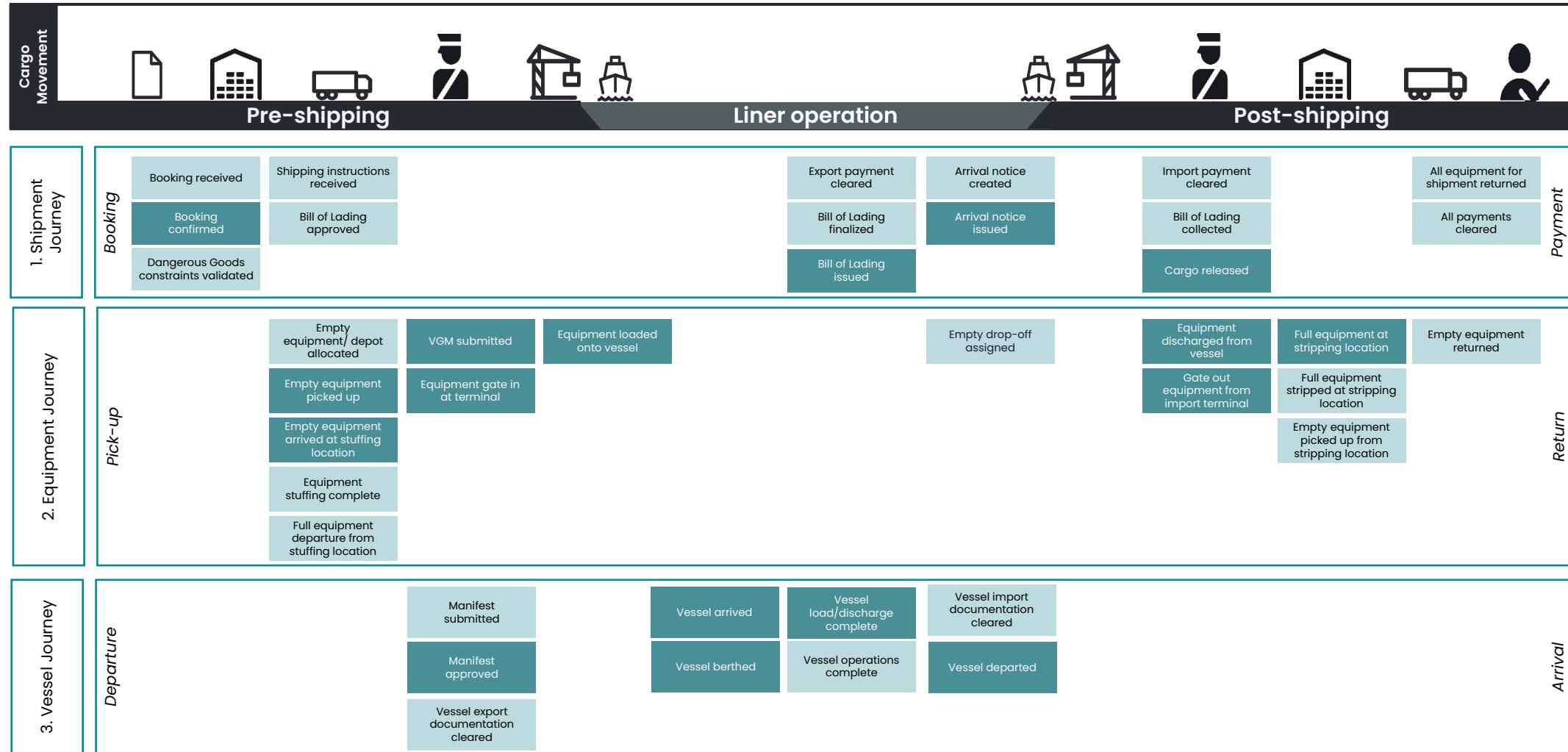
Exception process (Not aligned with the "Cargo movement" diagram)

* These processes have not been mapped on level 3 in the Industry Blueprint 2023.4

Level 2: overview of activity maps



Level 1 (Carrier Booking-to-Container Return), Level 2 journeys (Booking-to-Payment, Pick-up-to-Return and Departure-to-Arrival) and Level 3 processes documented within the Industry Blueprint – Container Shipping 2023.4 are listed below.



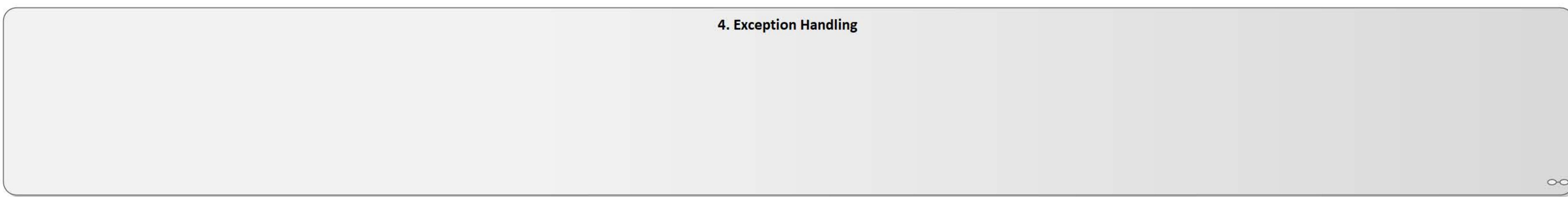
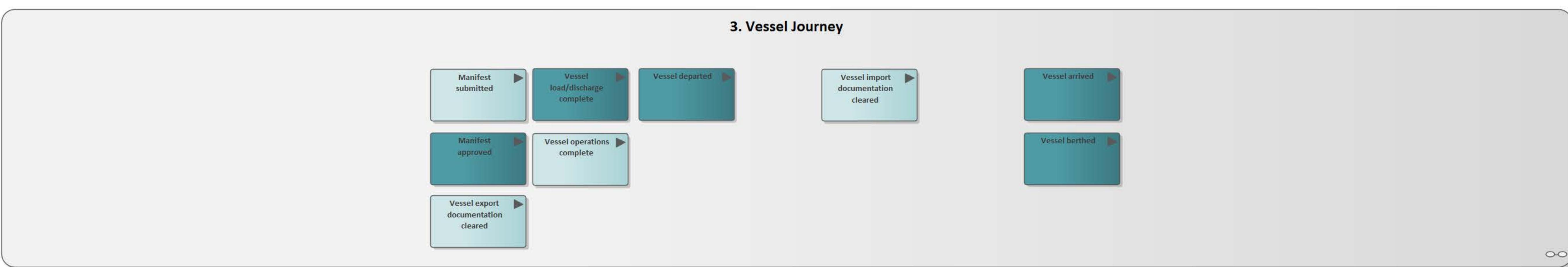
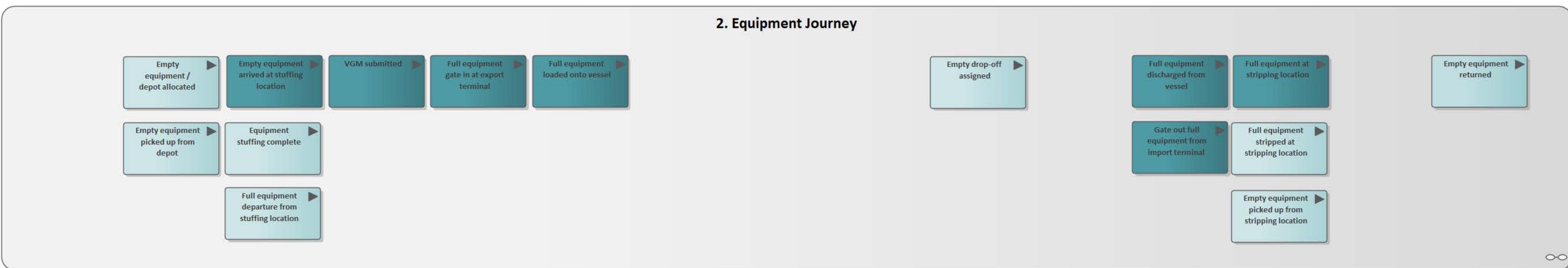
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1. Shipment Journey

1.1. Register booking request
+

1.2. Validate, plan and confirm booking request
+

1.3. Prepare transport document
+

1.4. Issue transport document
+

1.5. Issue arrival notice
+

1.6. Shipment release and closing
+

Booking received ►

Booking confirmed ►

Shipping instructions received ►

Vessel departure ►

Arrival notice created ►

Customs and terminal approval and payment clearance ►

Draft transport document approved ►

Export payment cleared ►

Arrival notice issued ►

Cargo released ►

Manifest information received ►

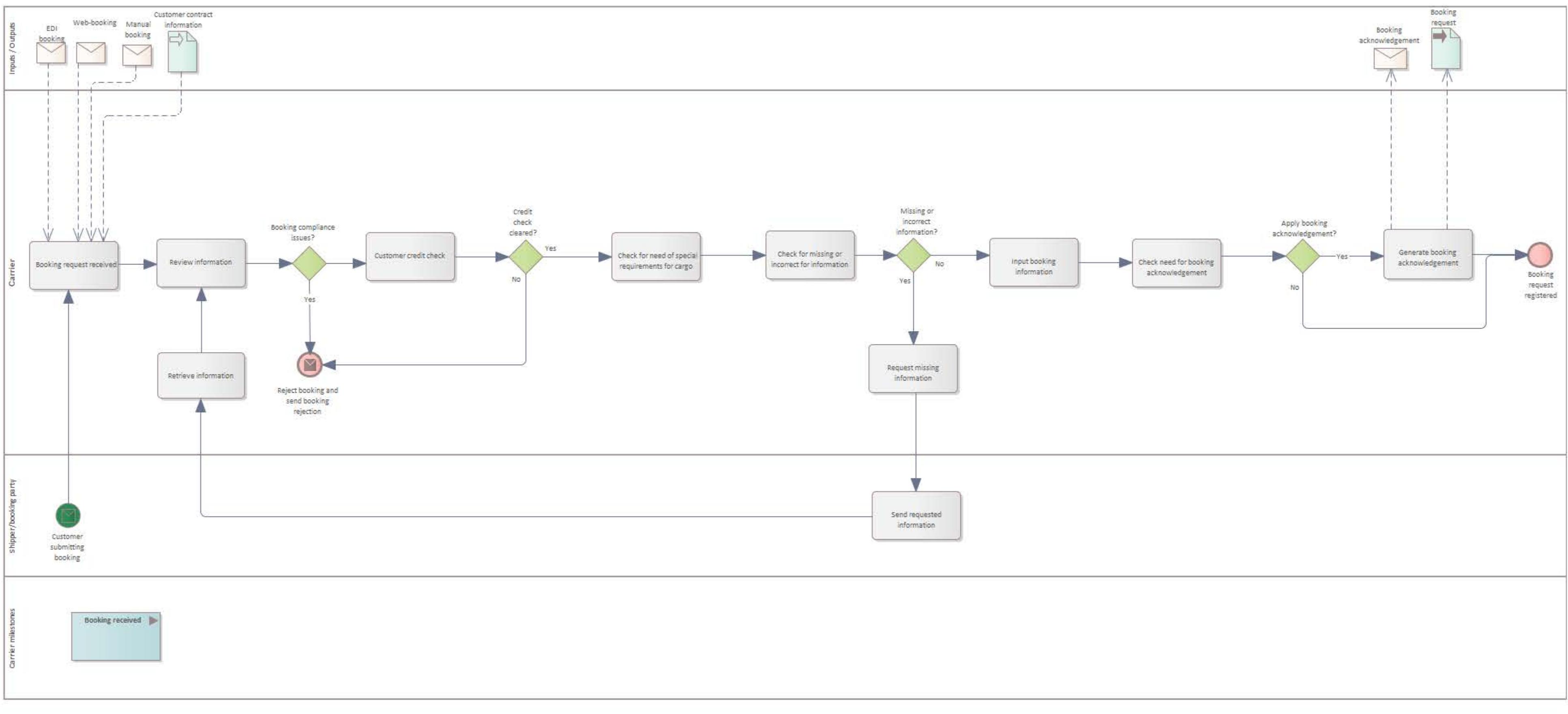
Transport document issued ►

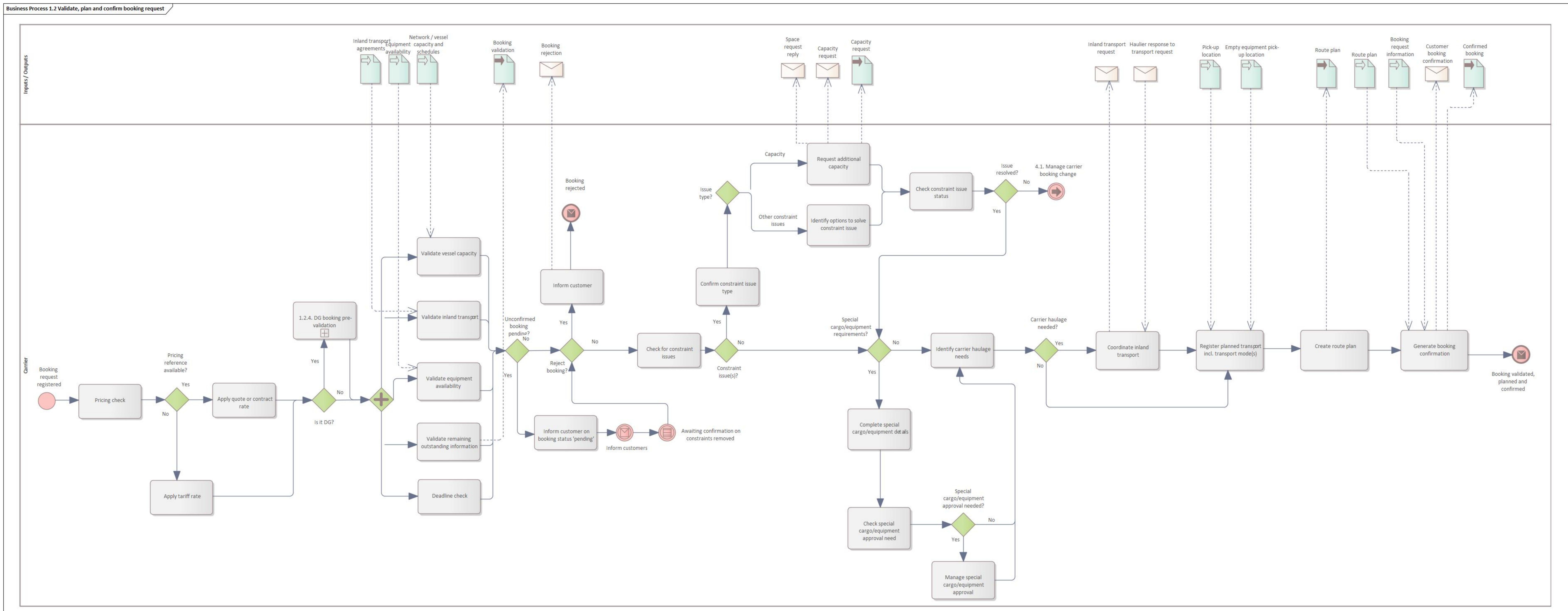
Empty containers returned ►

Transport document issued ►

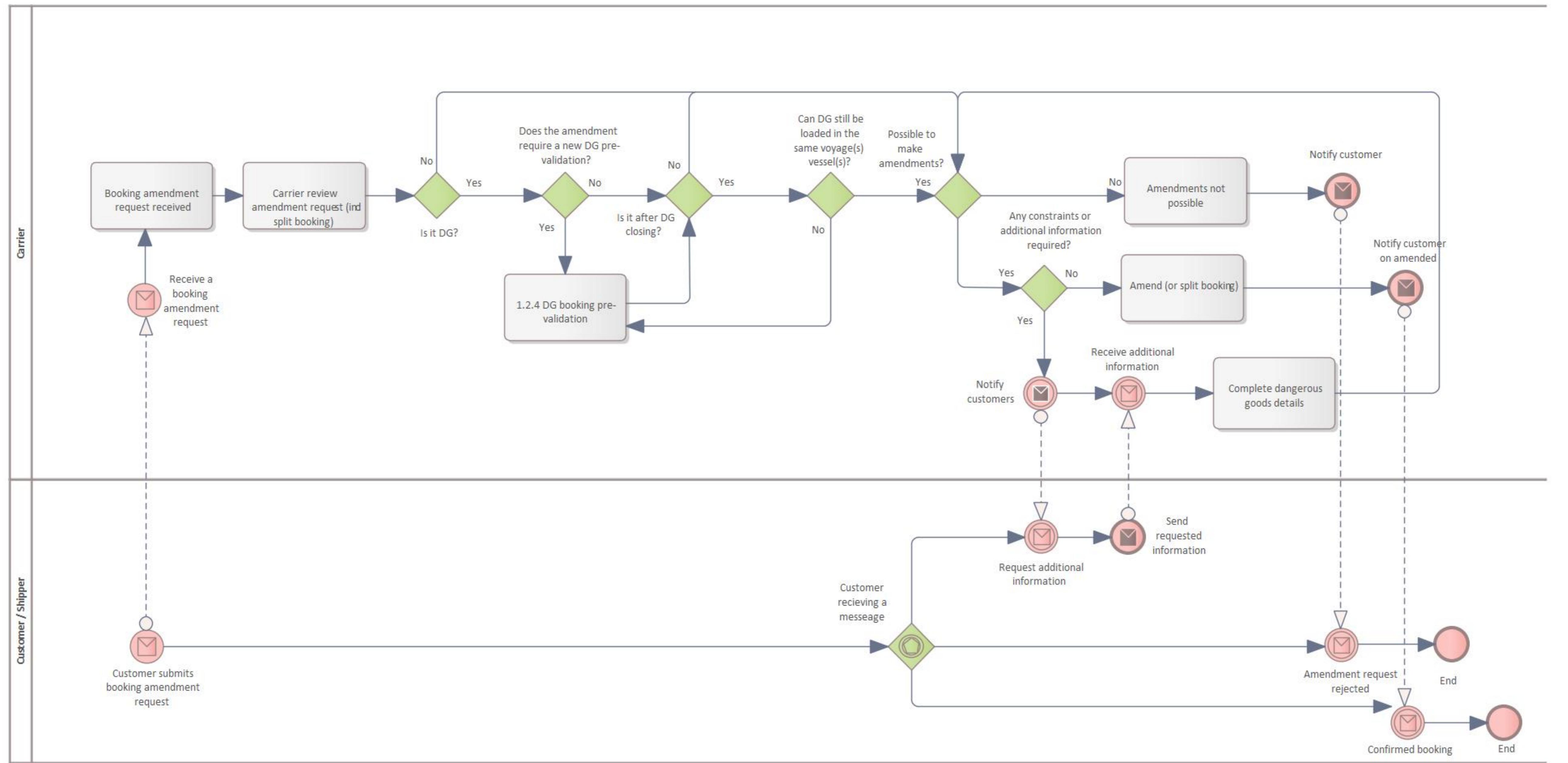
Final invoice sent ►

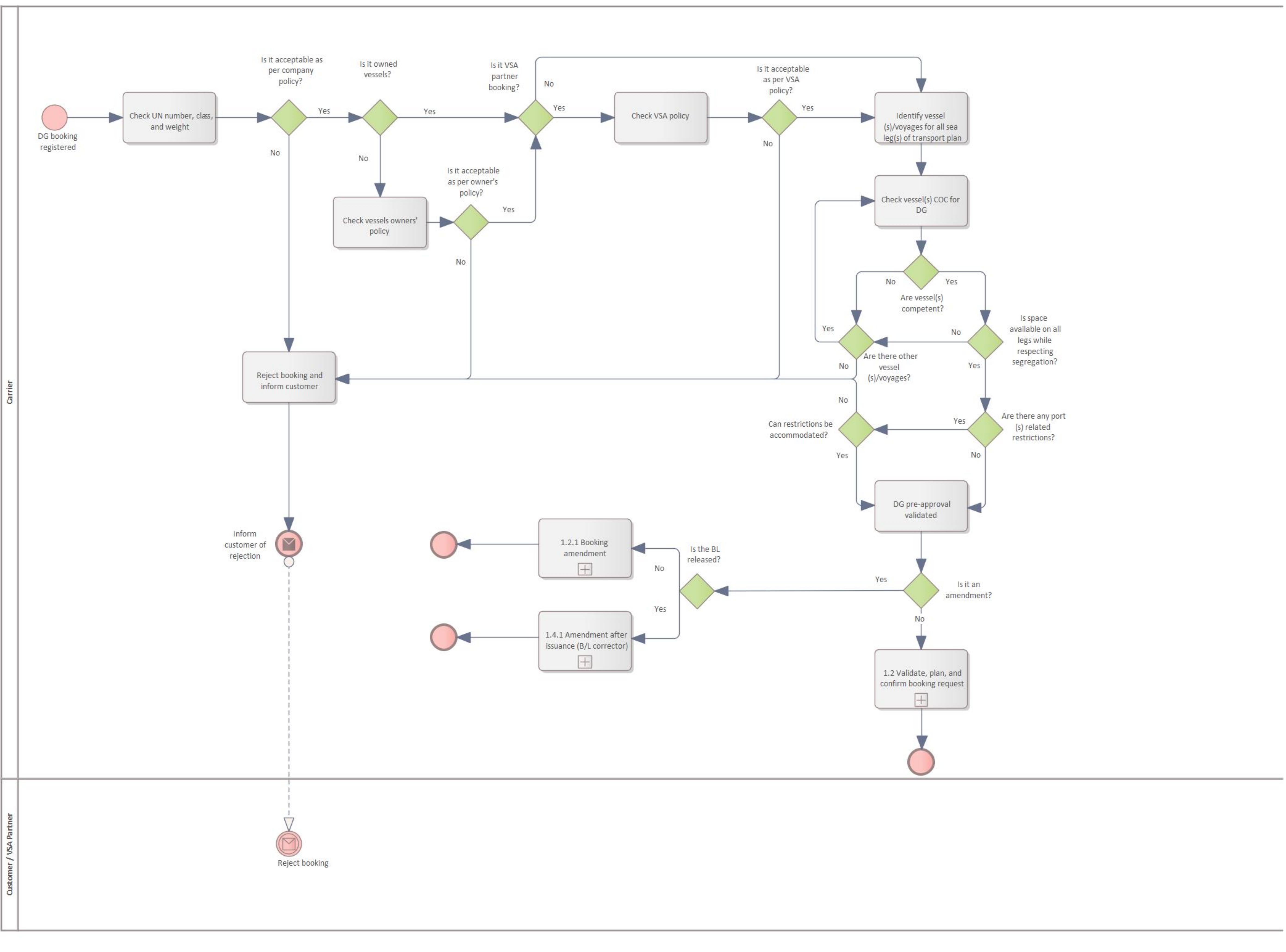
Business Process 1.1 Register booking request

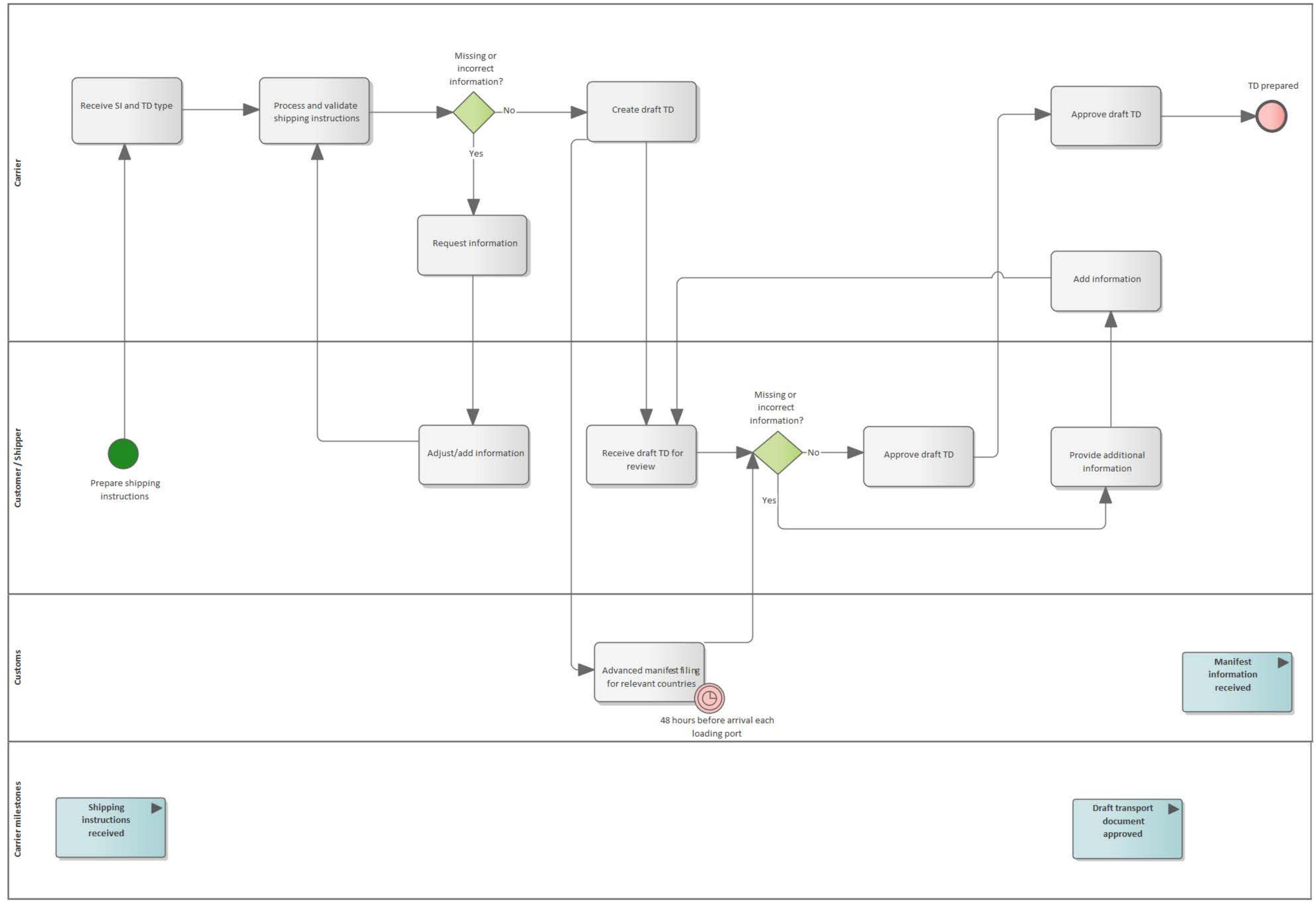


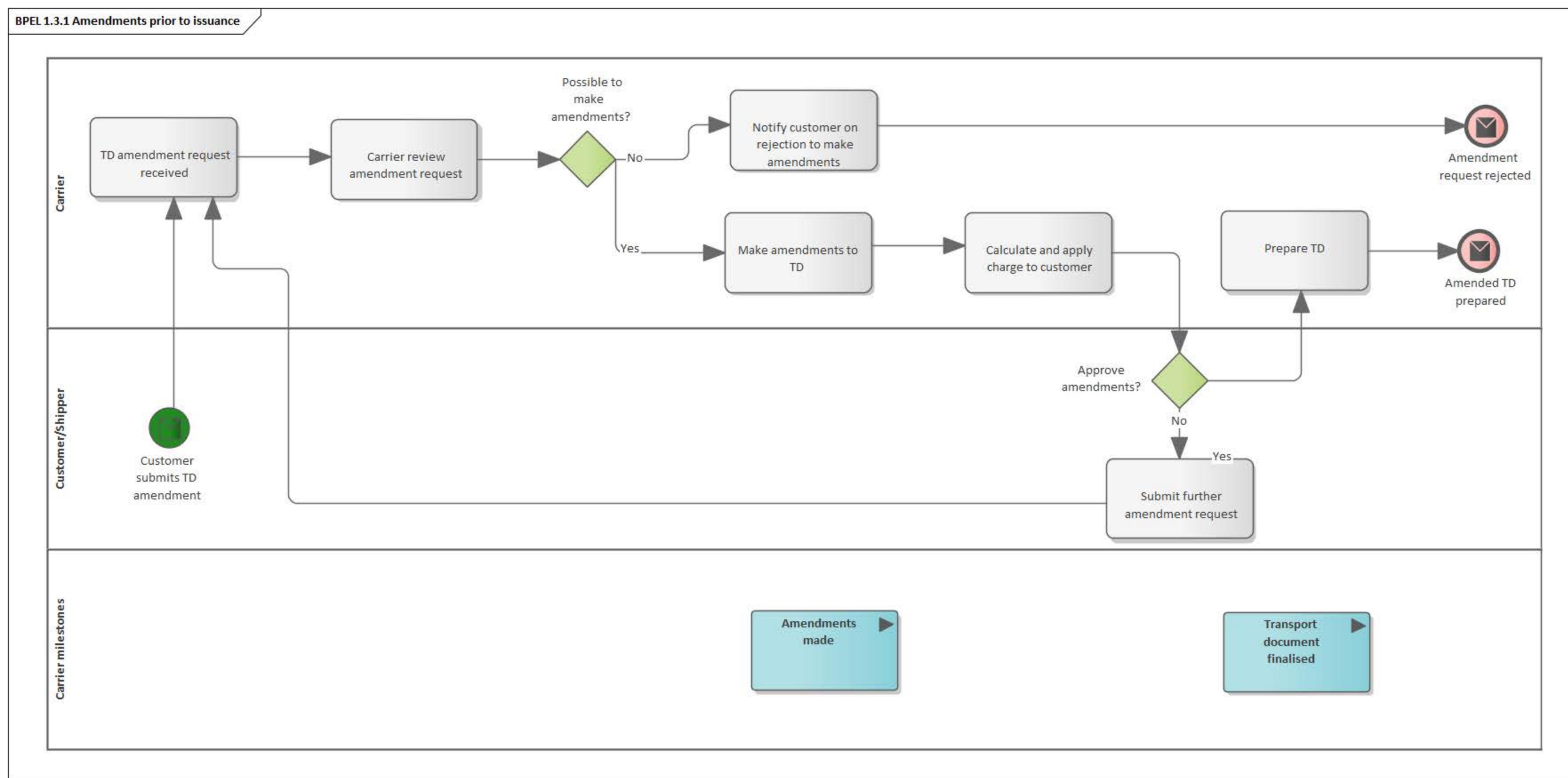


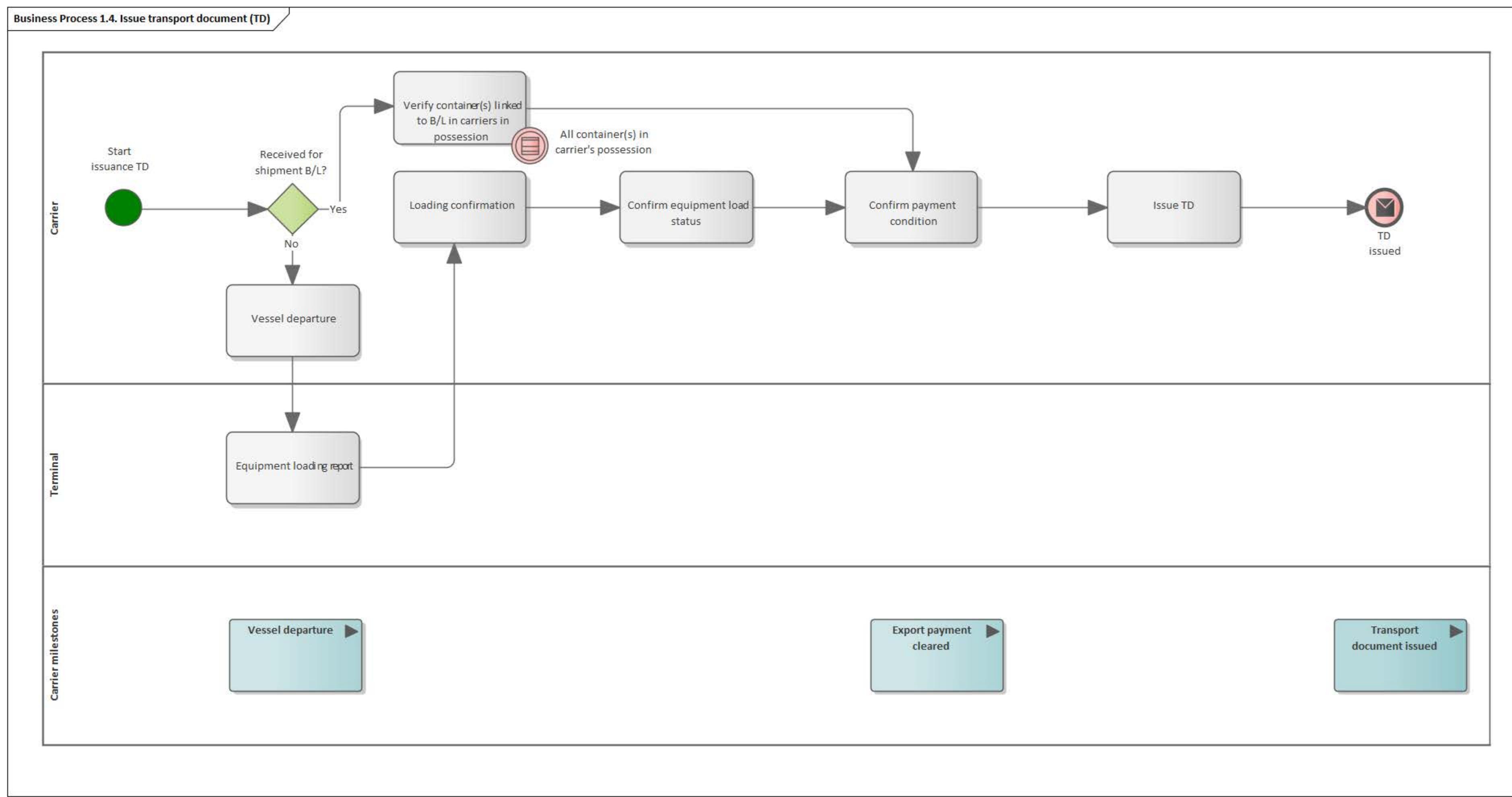
Collaboration 1.2.1 Booking Amendment

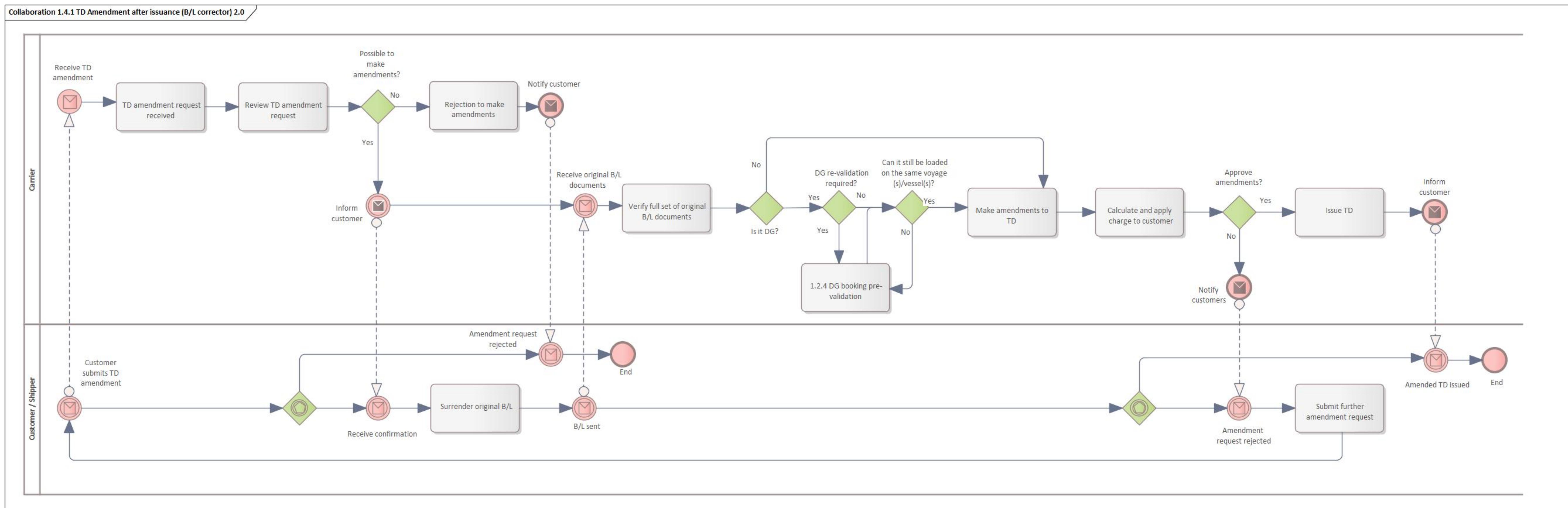


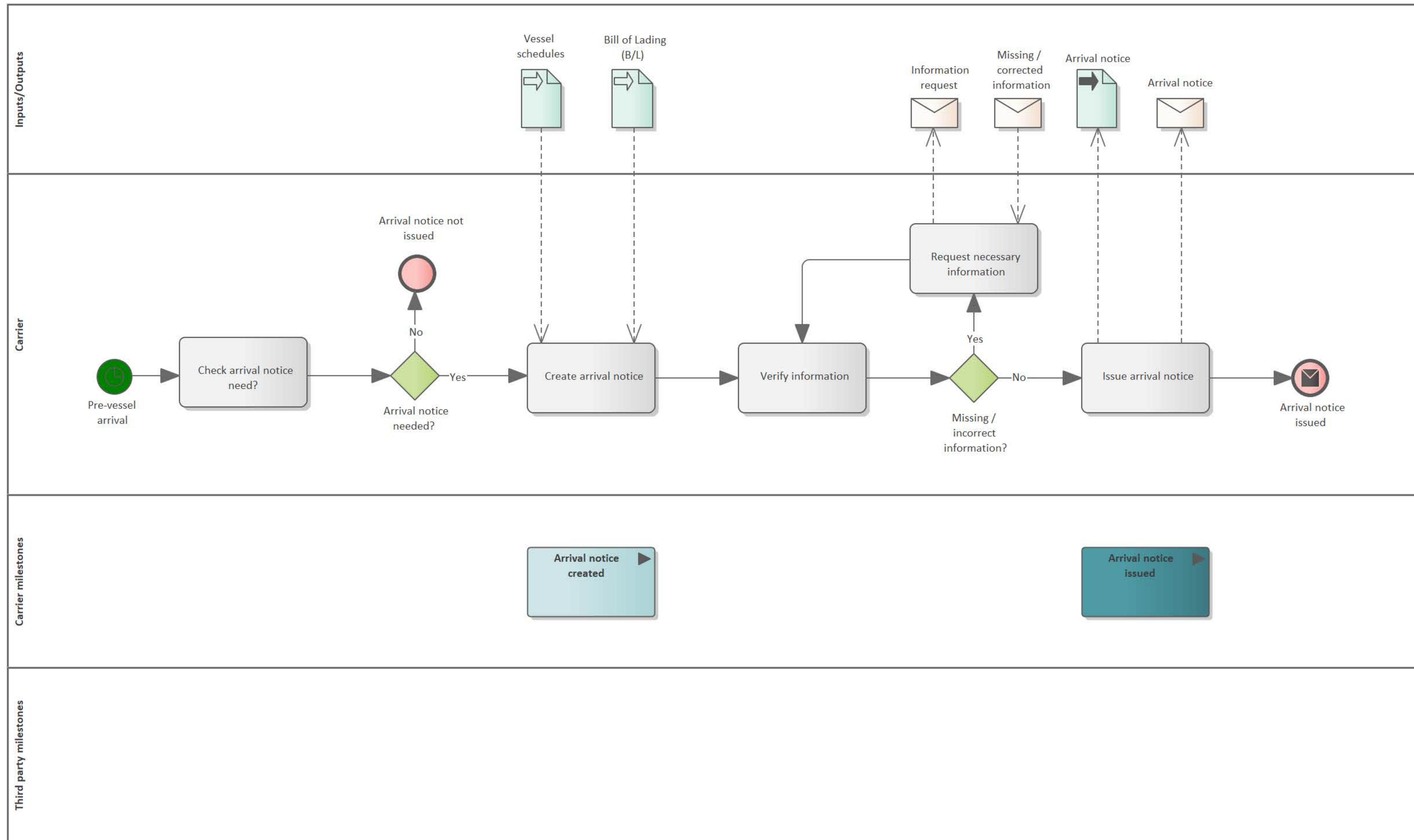


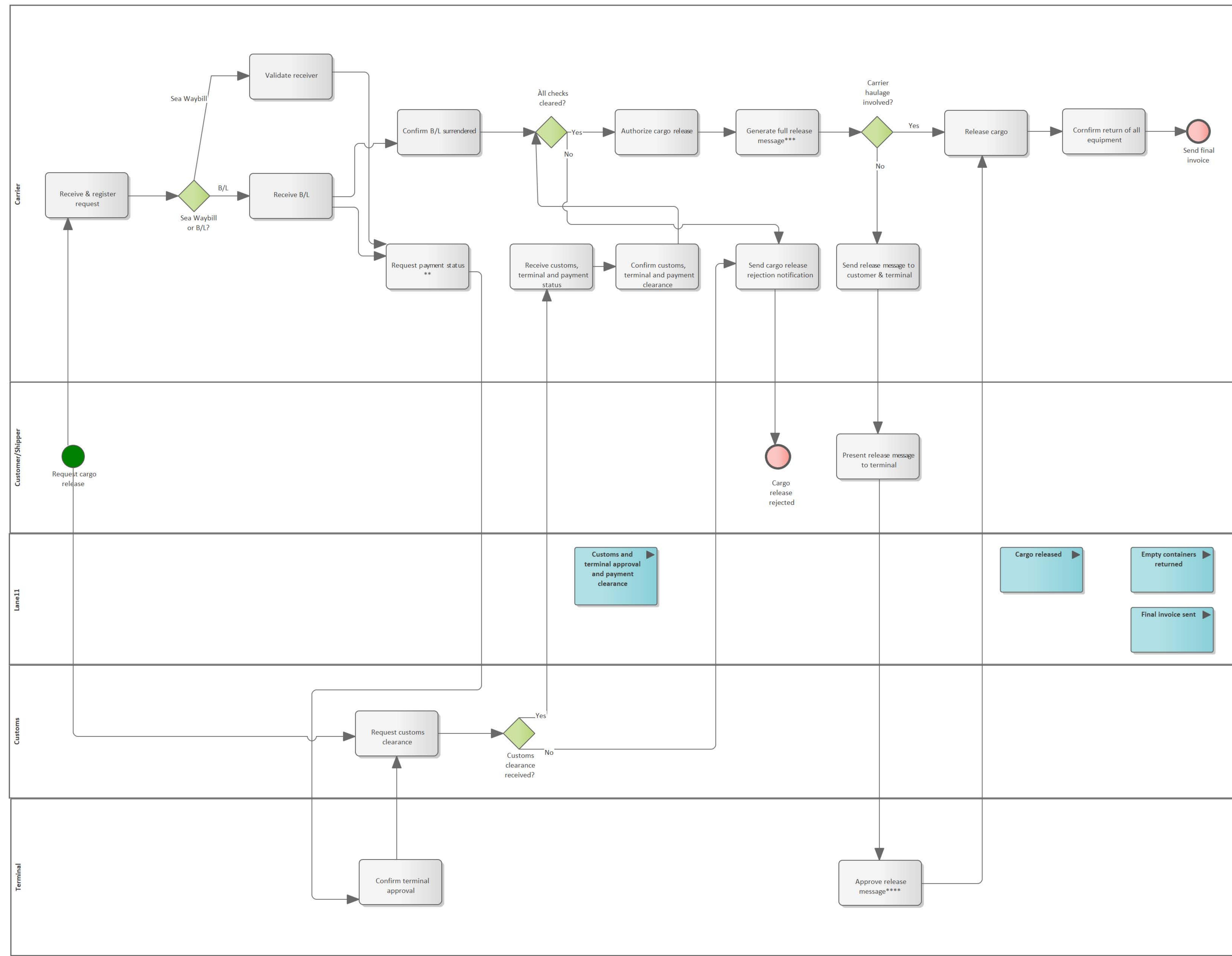












2. Equipment journey

2.1. Nominate depot and empty equipment
+

2.2. Submit Verified Gross Mass
+

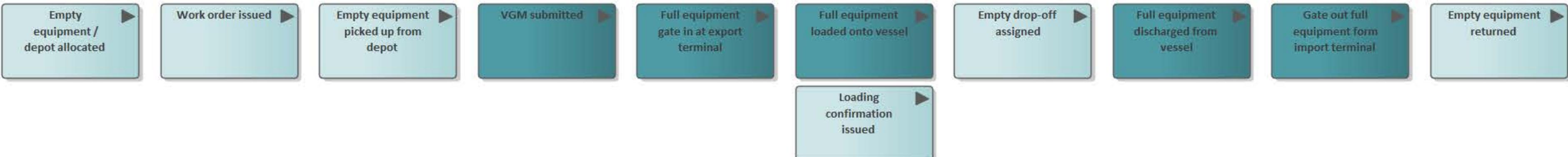
2.3. Assign empty drop off
+

2.4. Return empty equipment
+

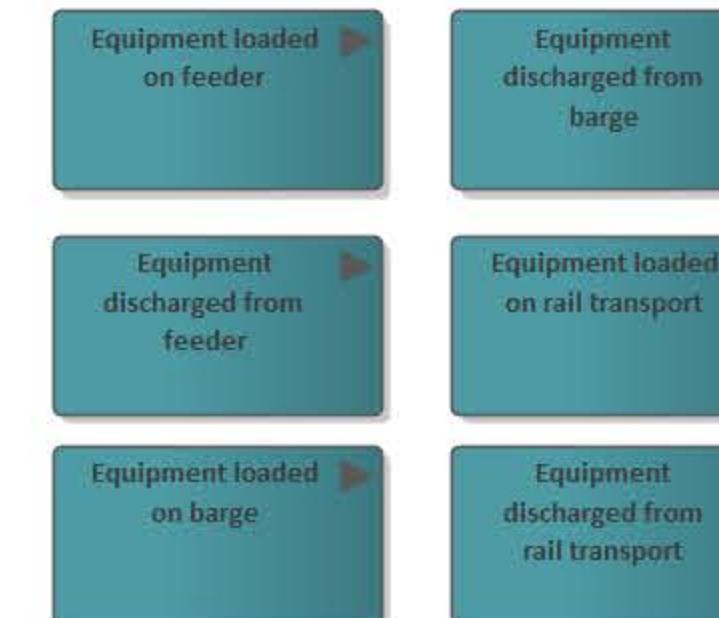
2.5. Prepare carrier haulage work order
+

2.6. Monitor equipment
+

Carrier milestones

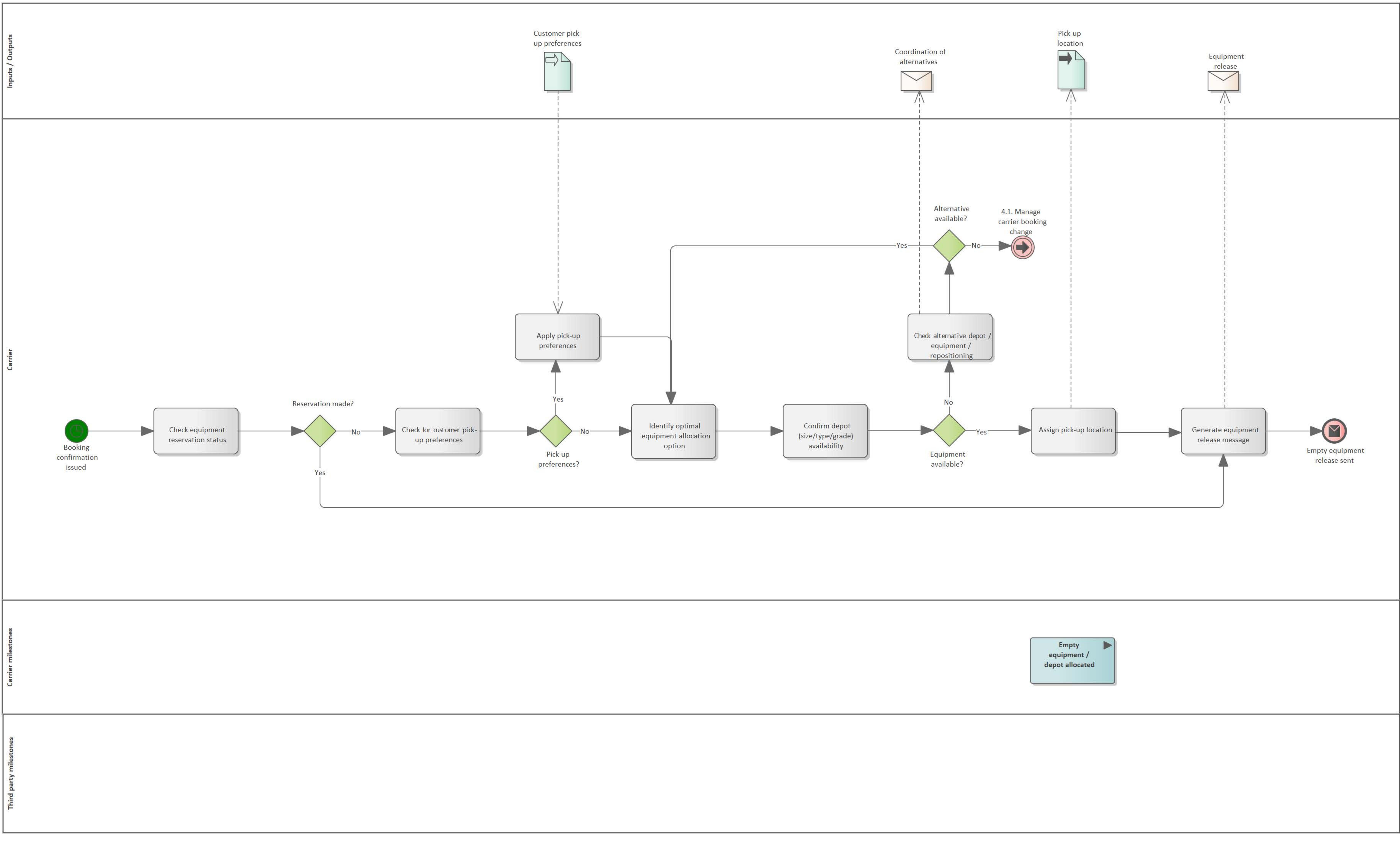


Conditional milestones

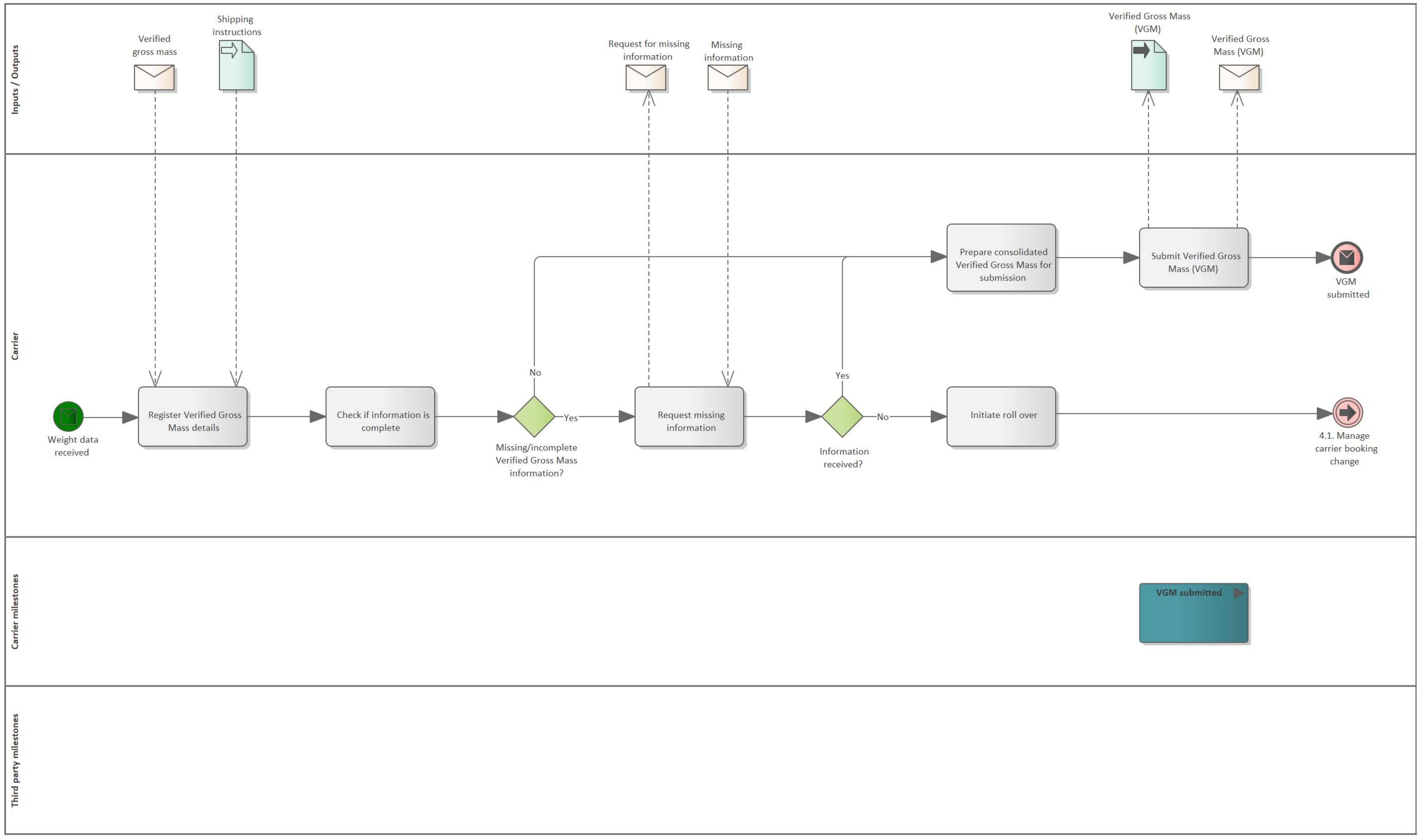


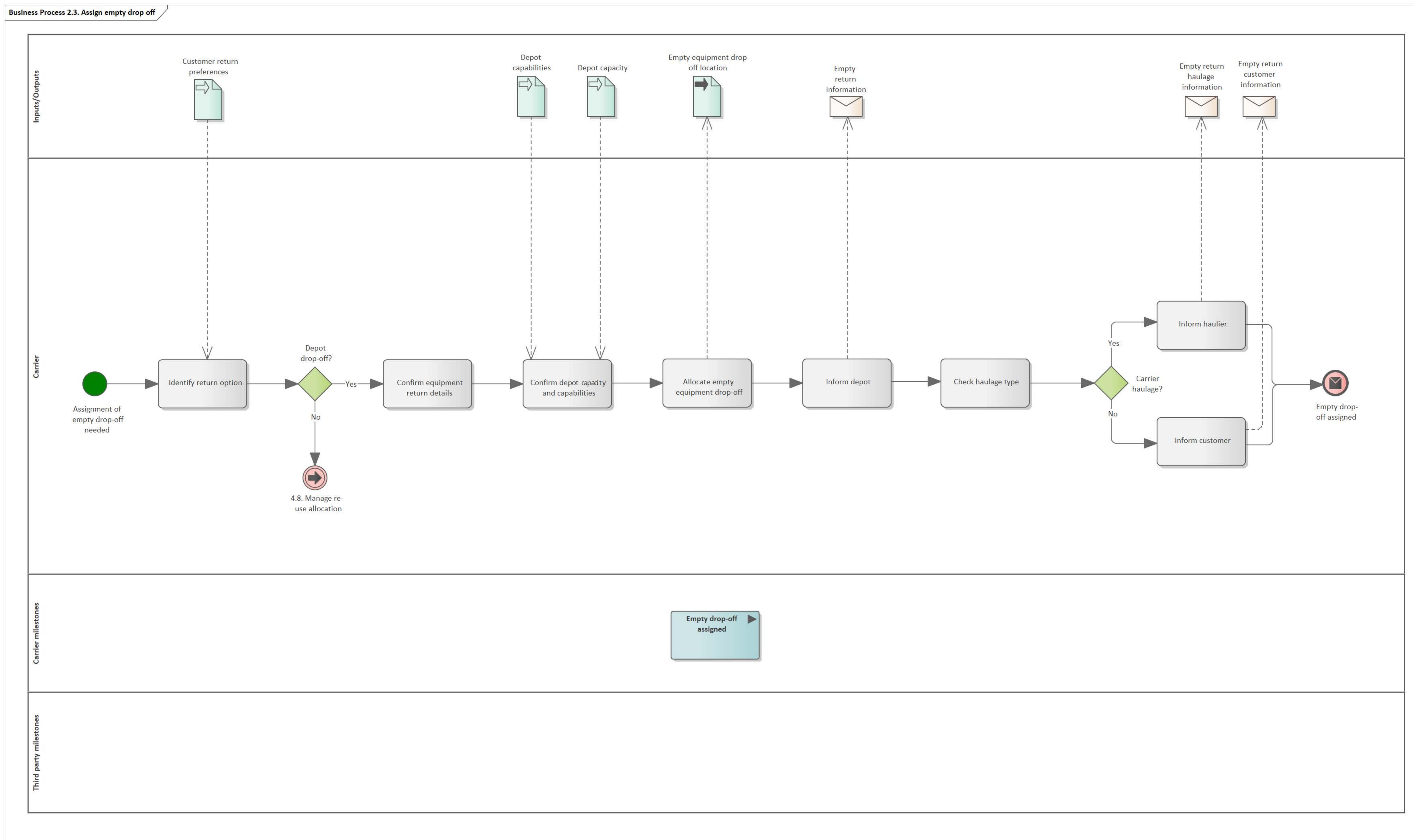
Third party milestones



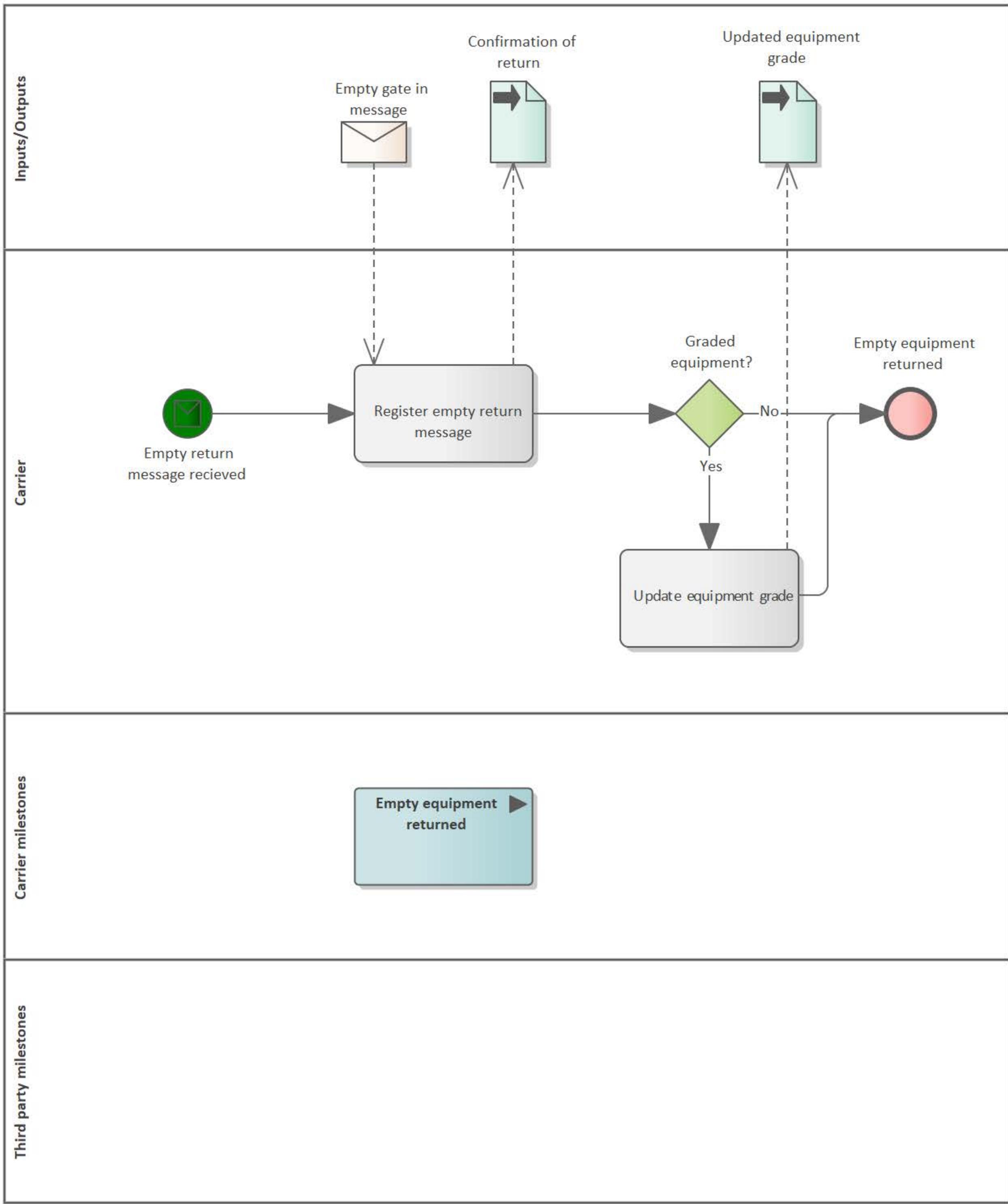


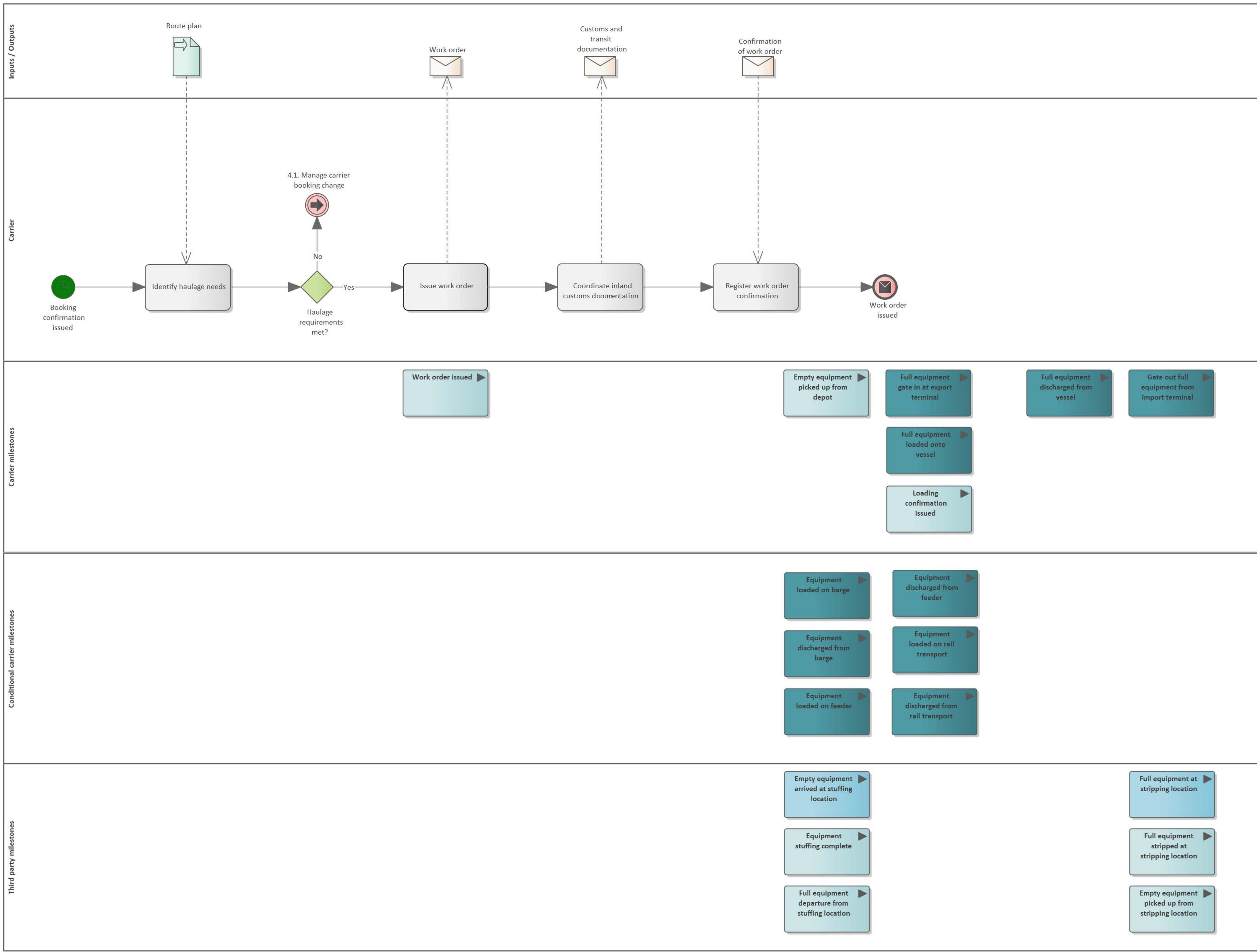
Business Process 2.2. Submit Verified Gross Mass



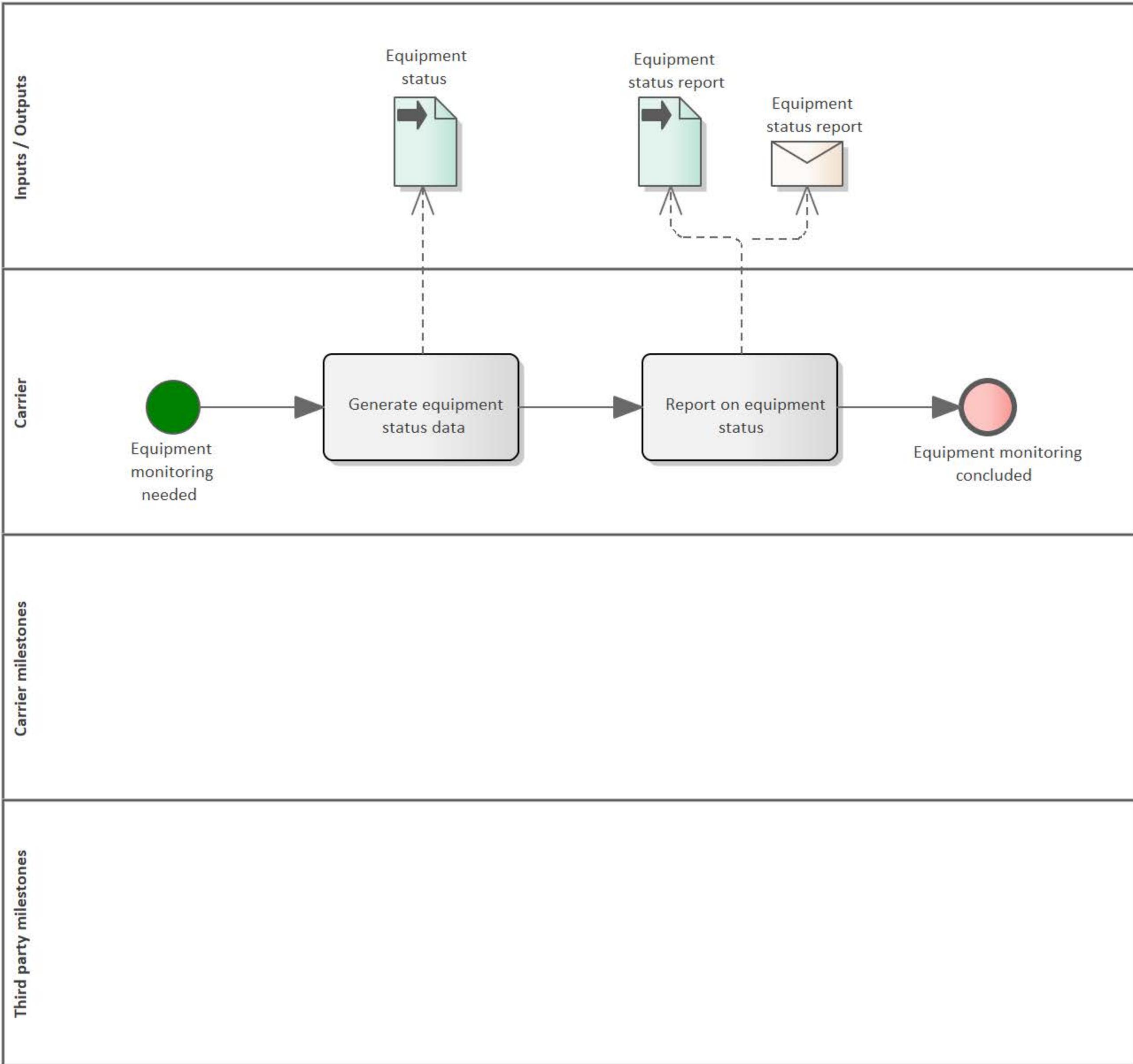


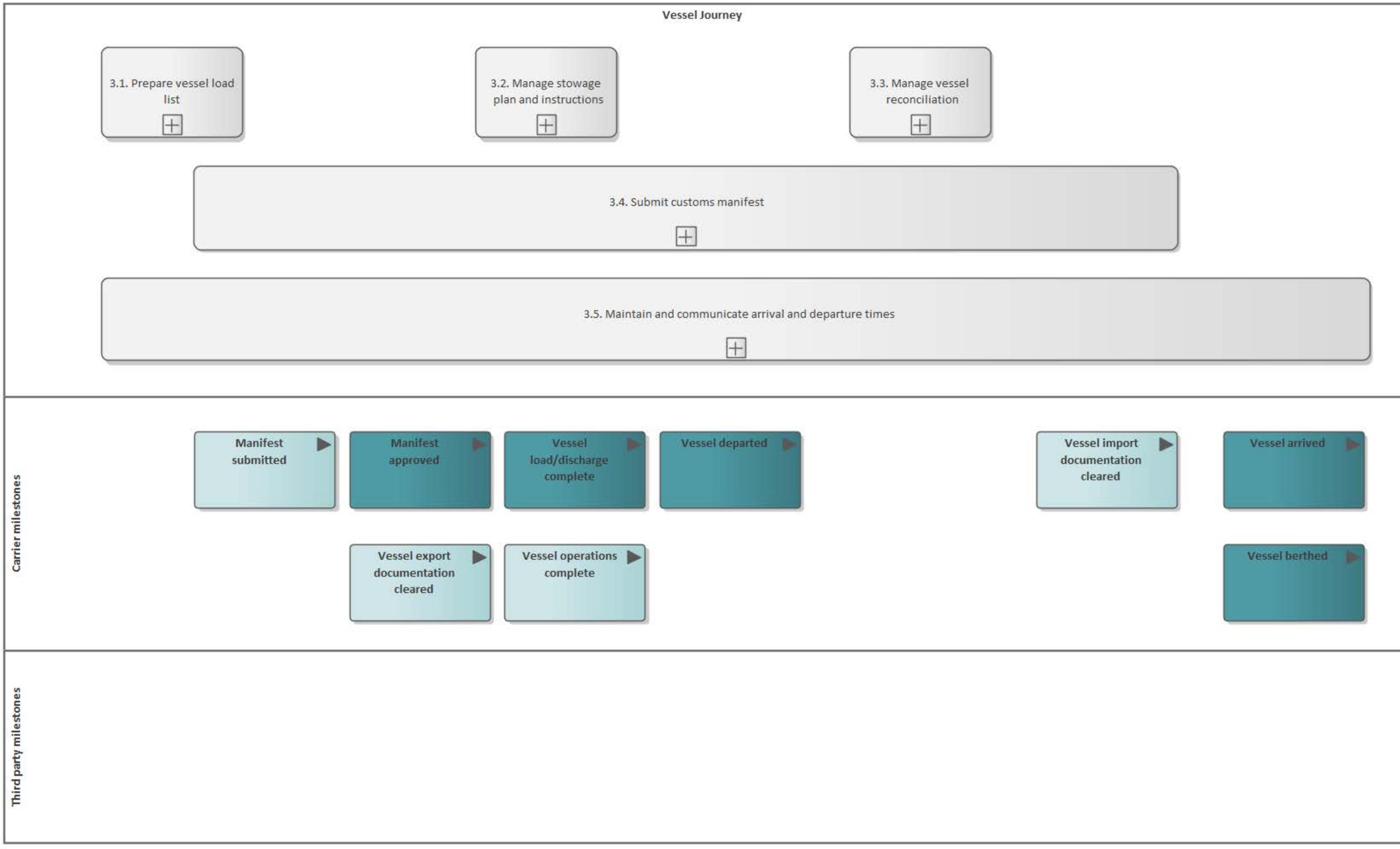
Business Process 2.4. Return empty equipment

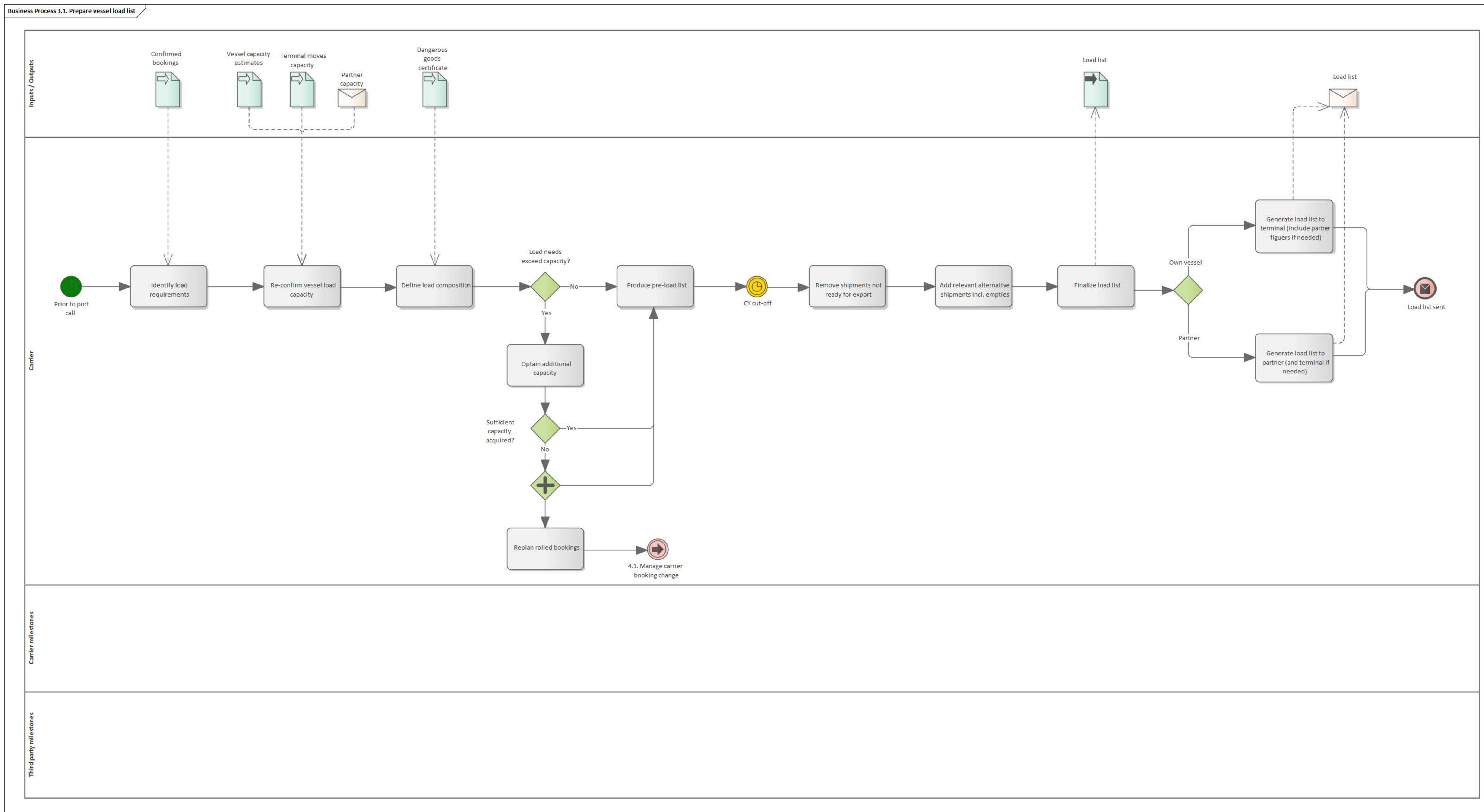


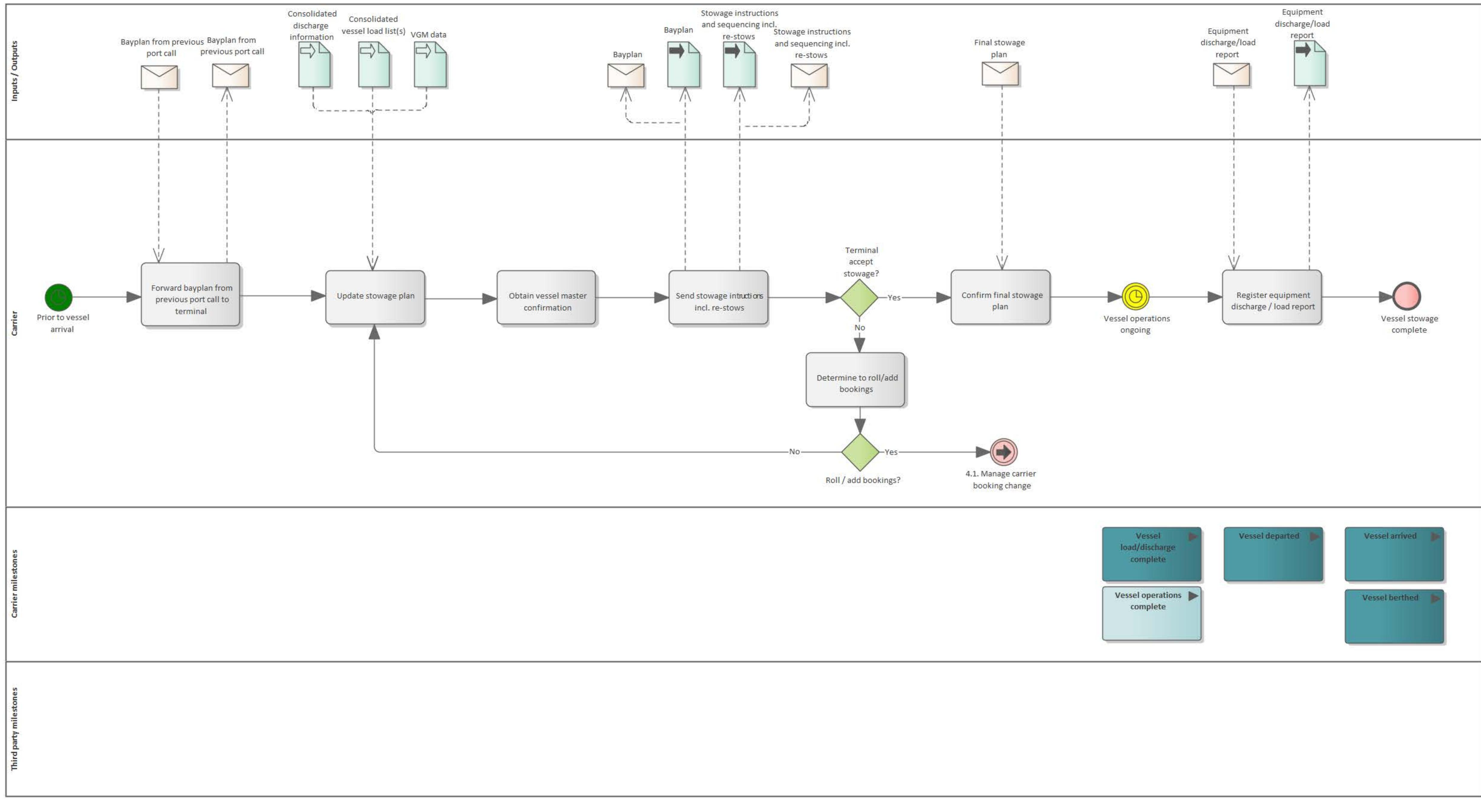


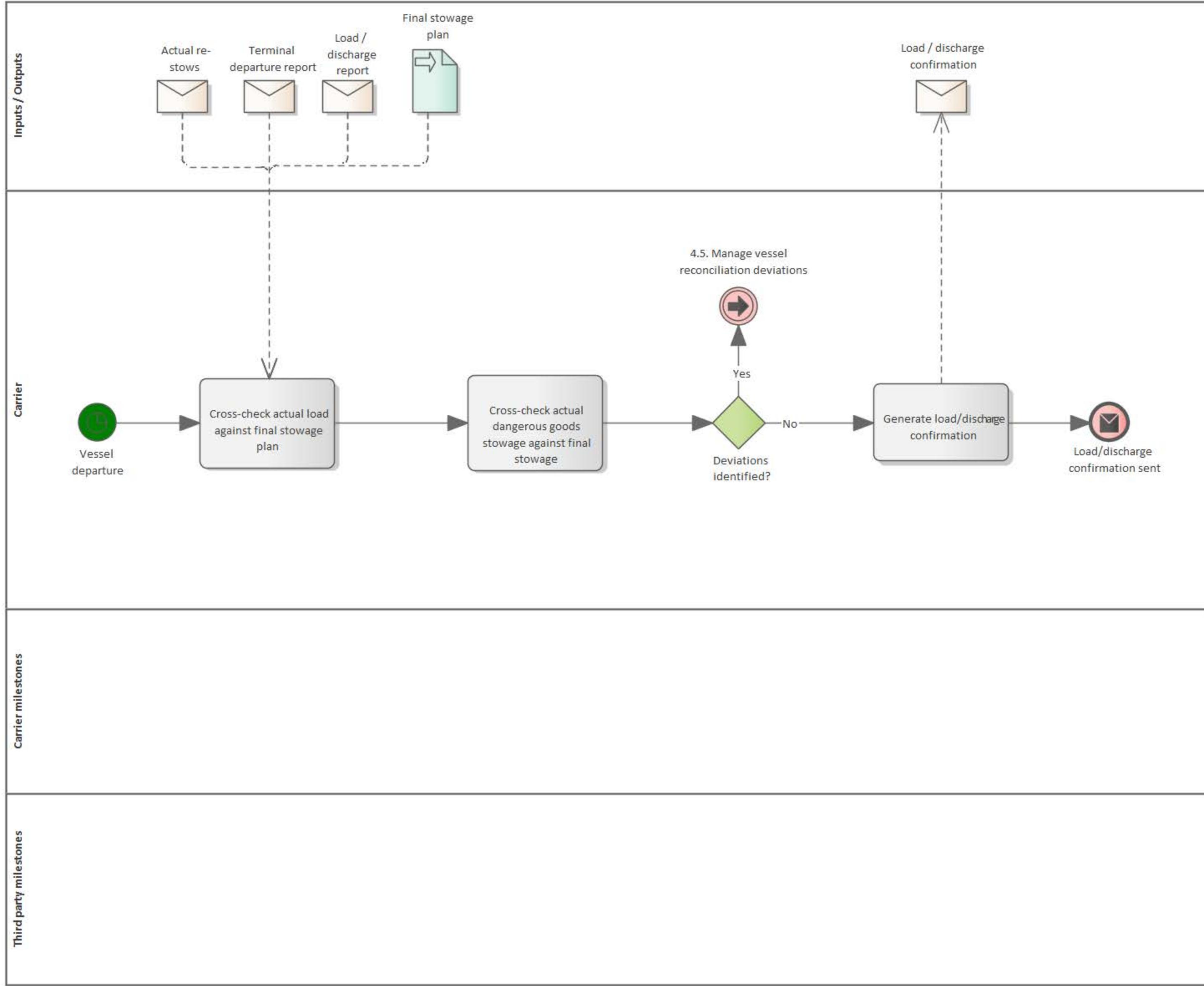
Business Process 2.6. Monitor equipment

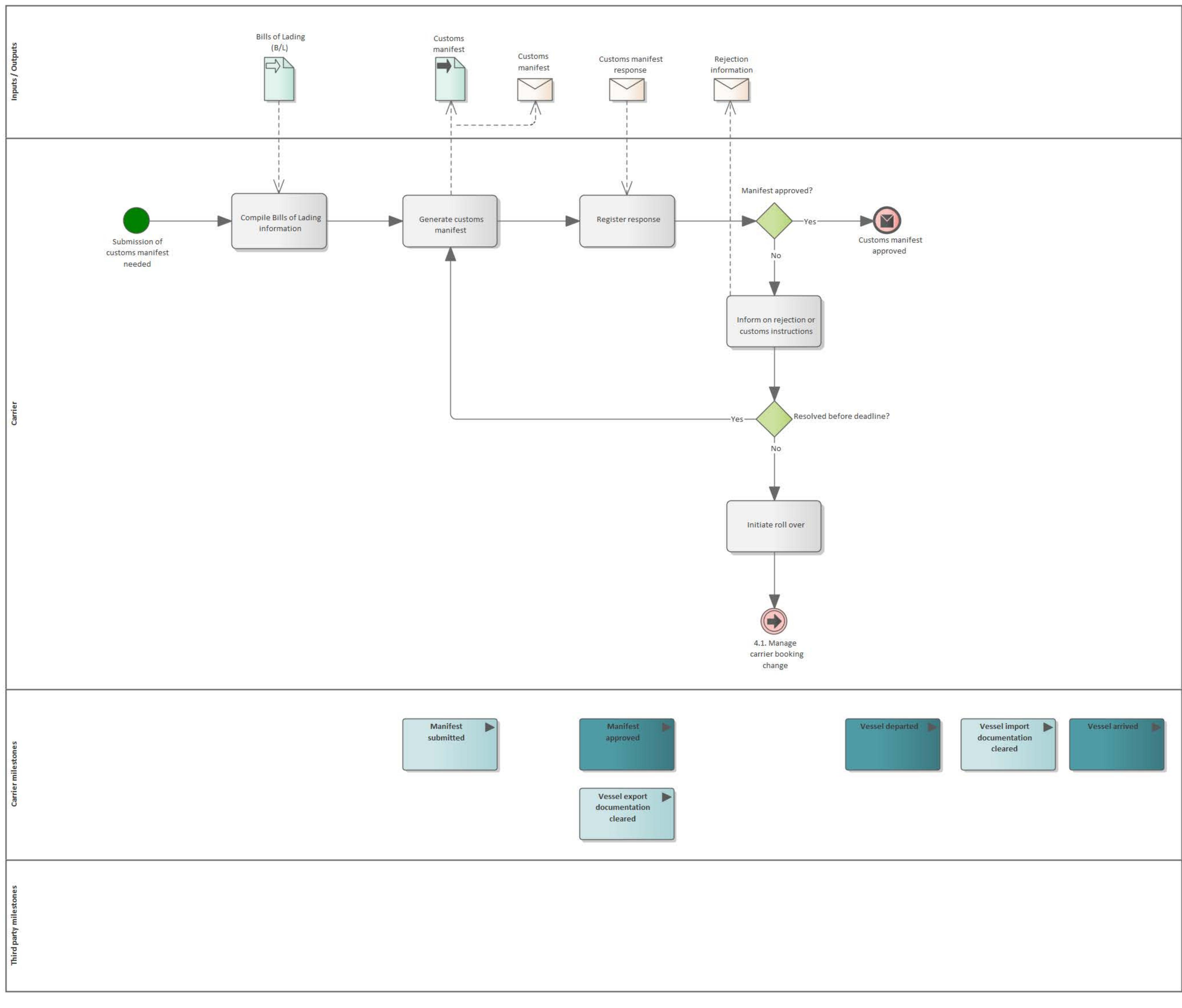


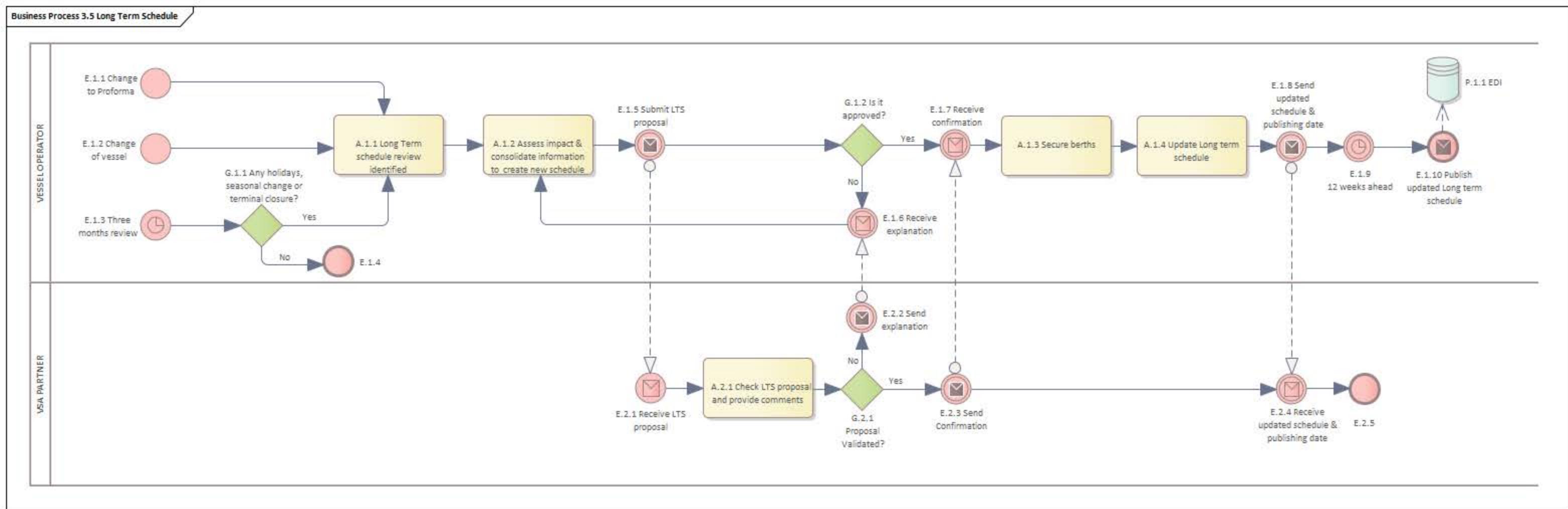


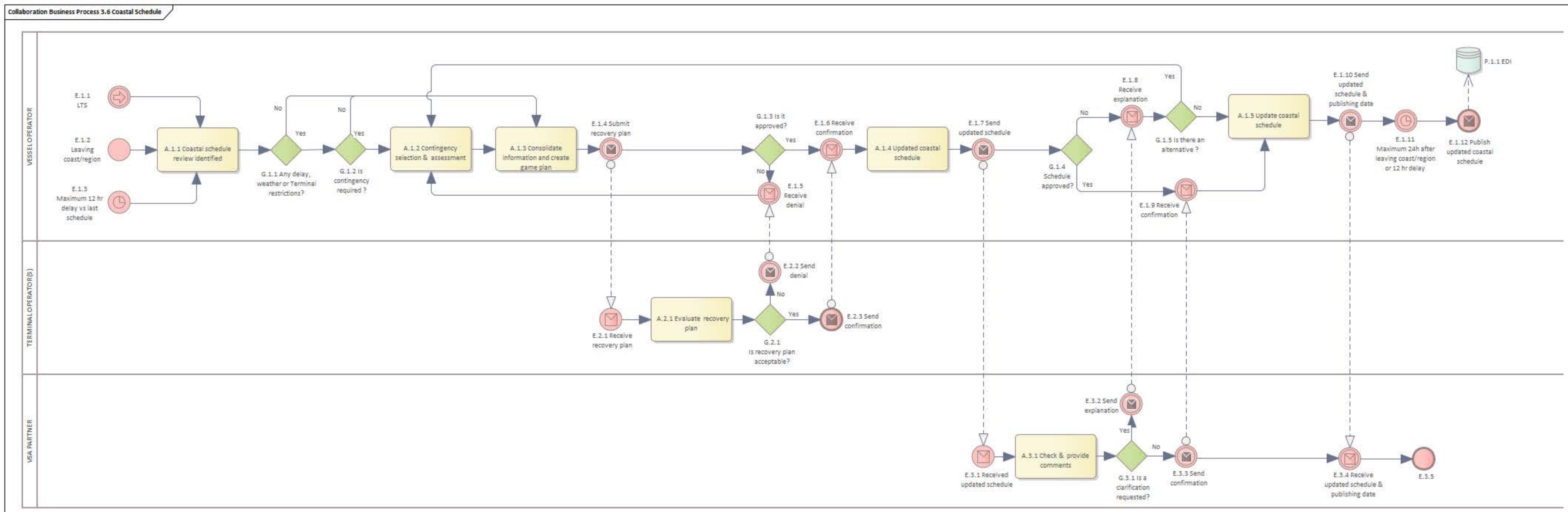


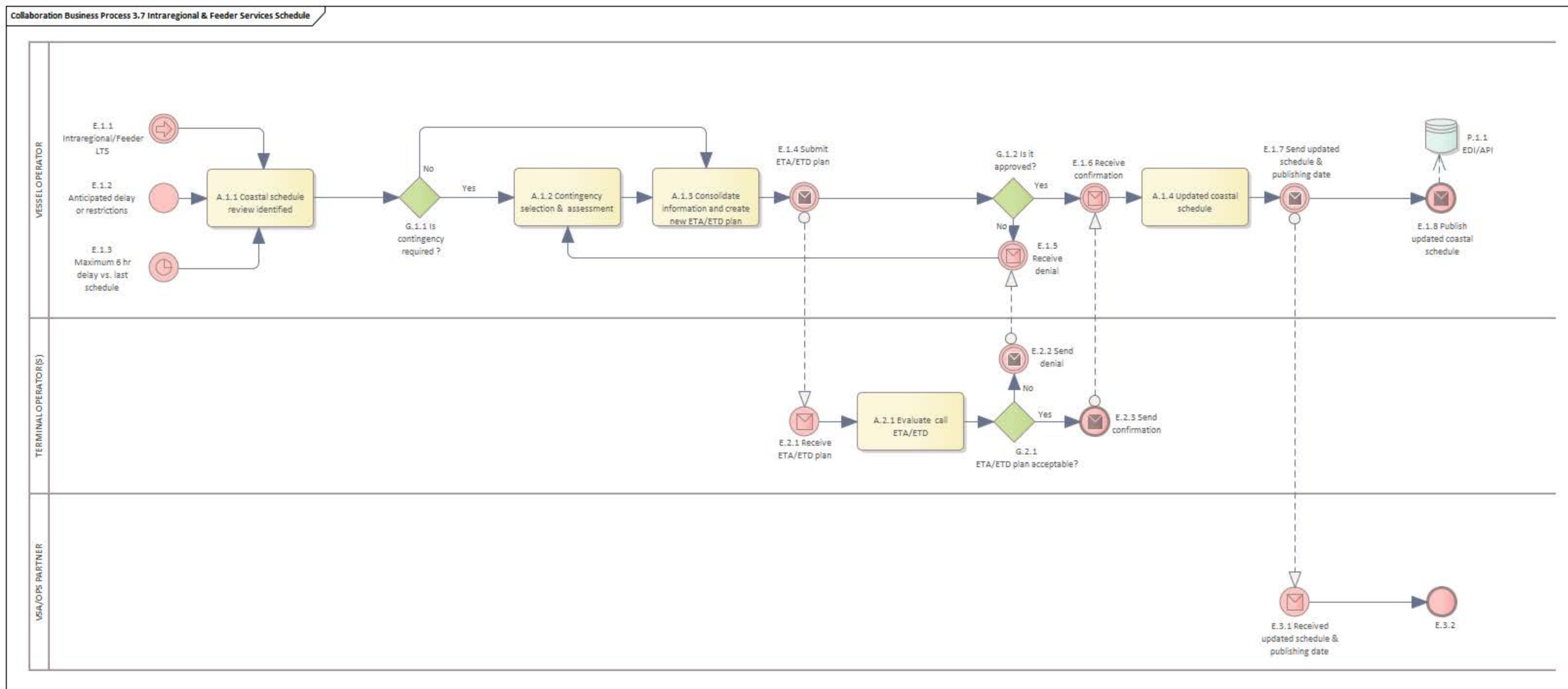


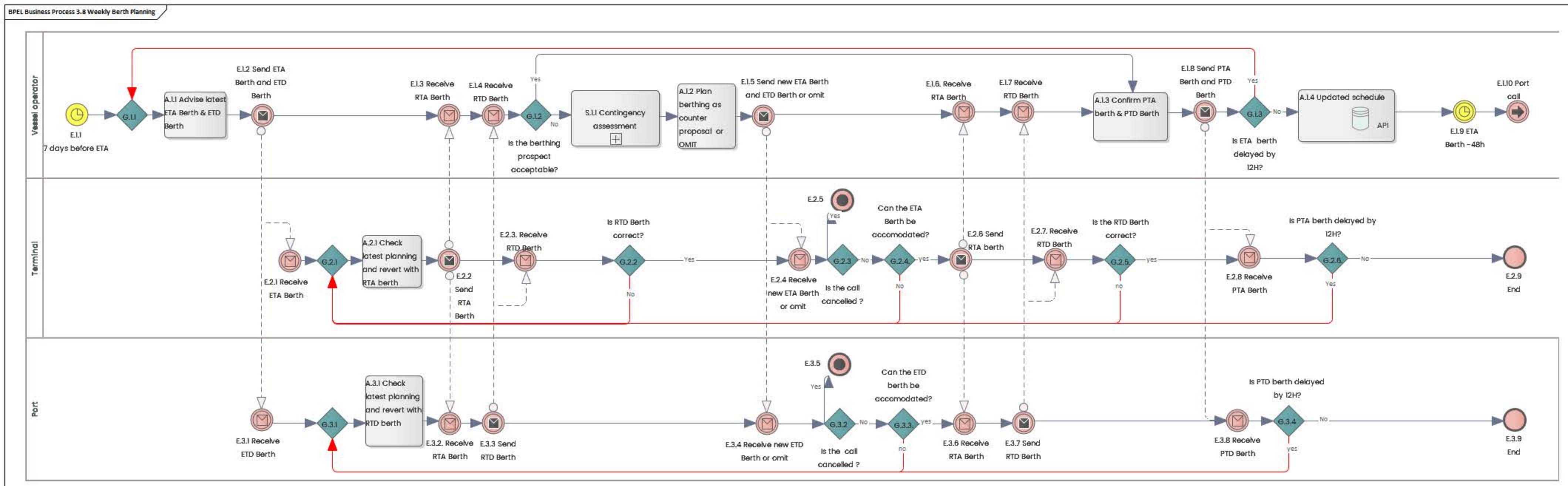


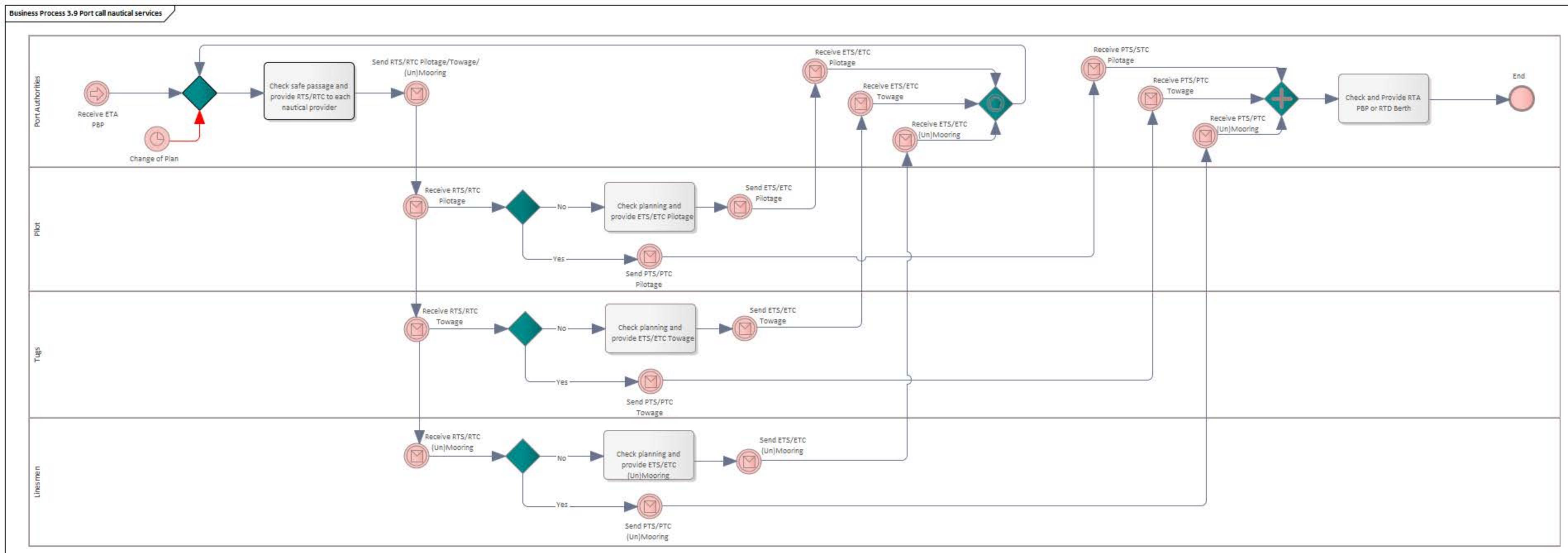


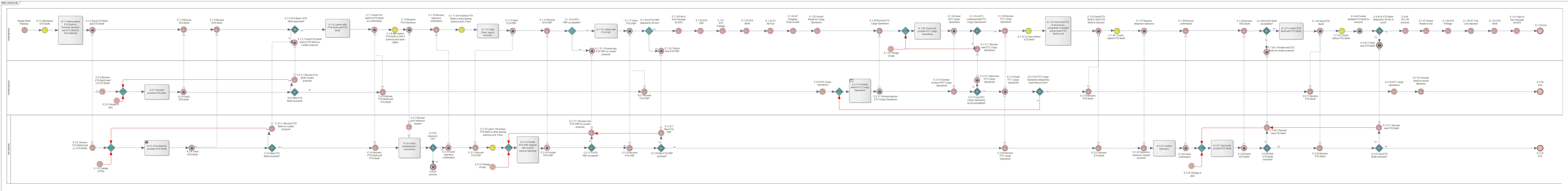


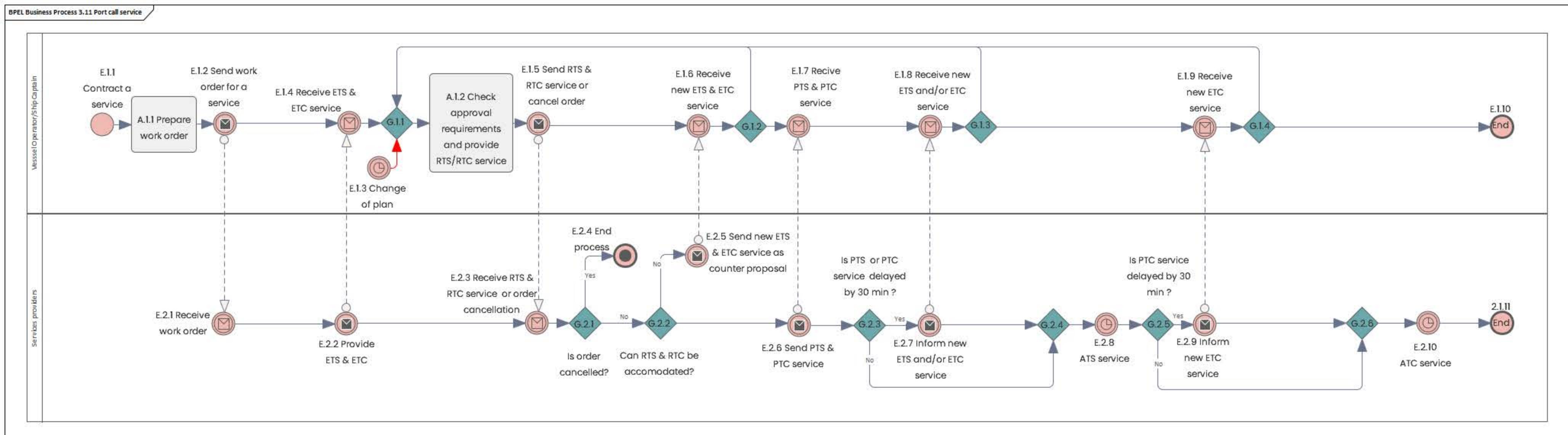




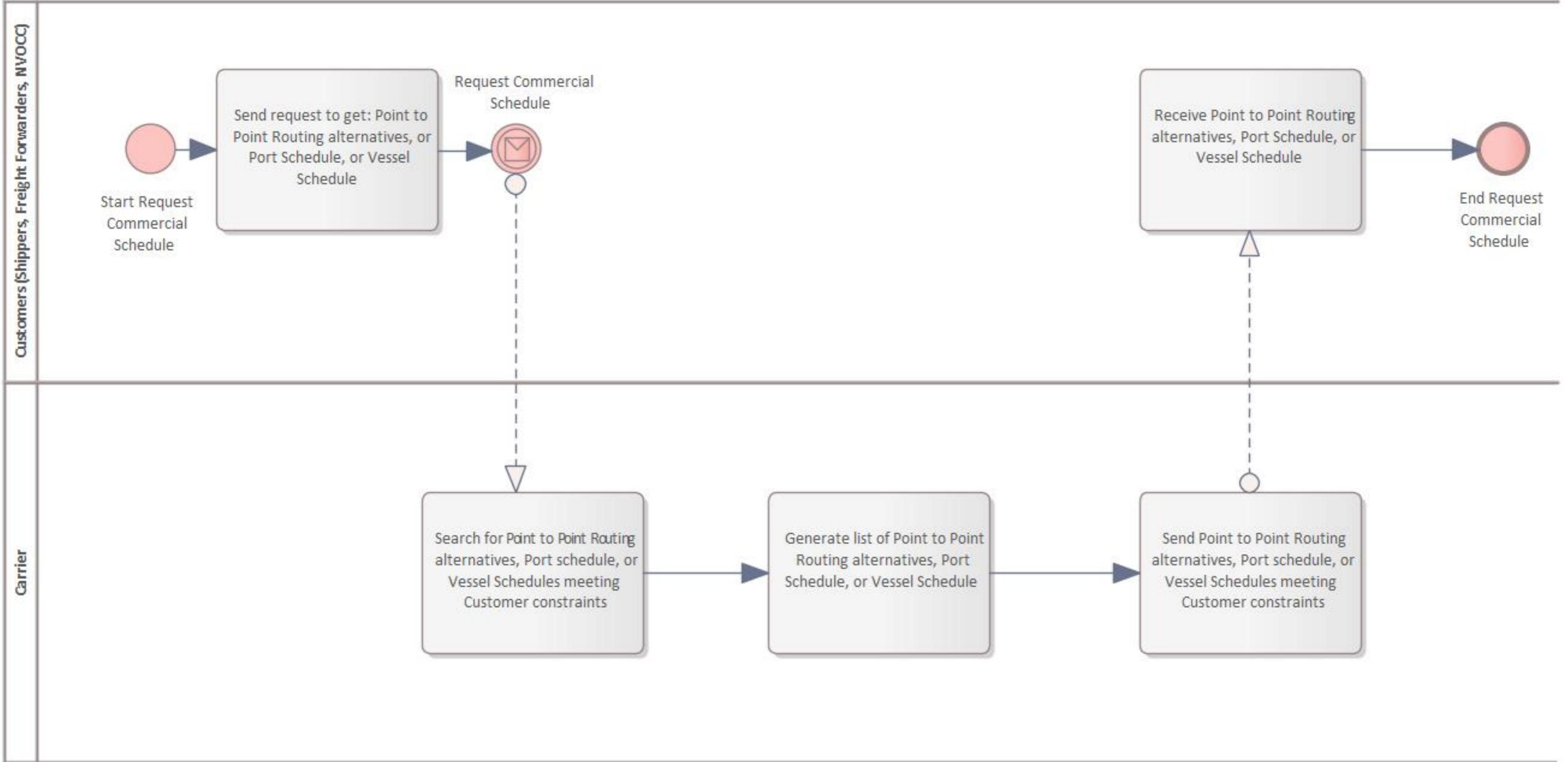








Business Process 3.12 Request Commercial Schedules



Business Process 4. Exception Handling

Carrier

4.1. Manage carrier
booking change



4.2. Issue manifest
corrector



4.3. Cancel existing work
order*

4.4. Manage seal(s)
removed*

4.5. Manage vessel
reconciliation deviations

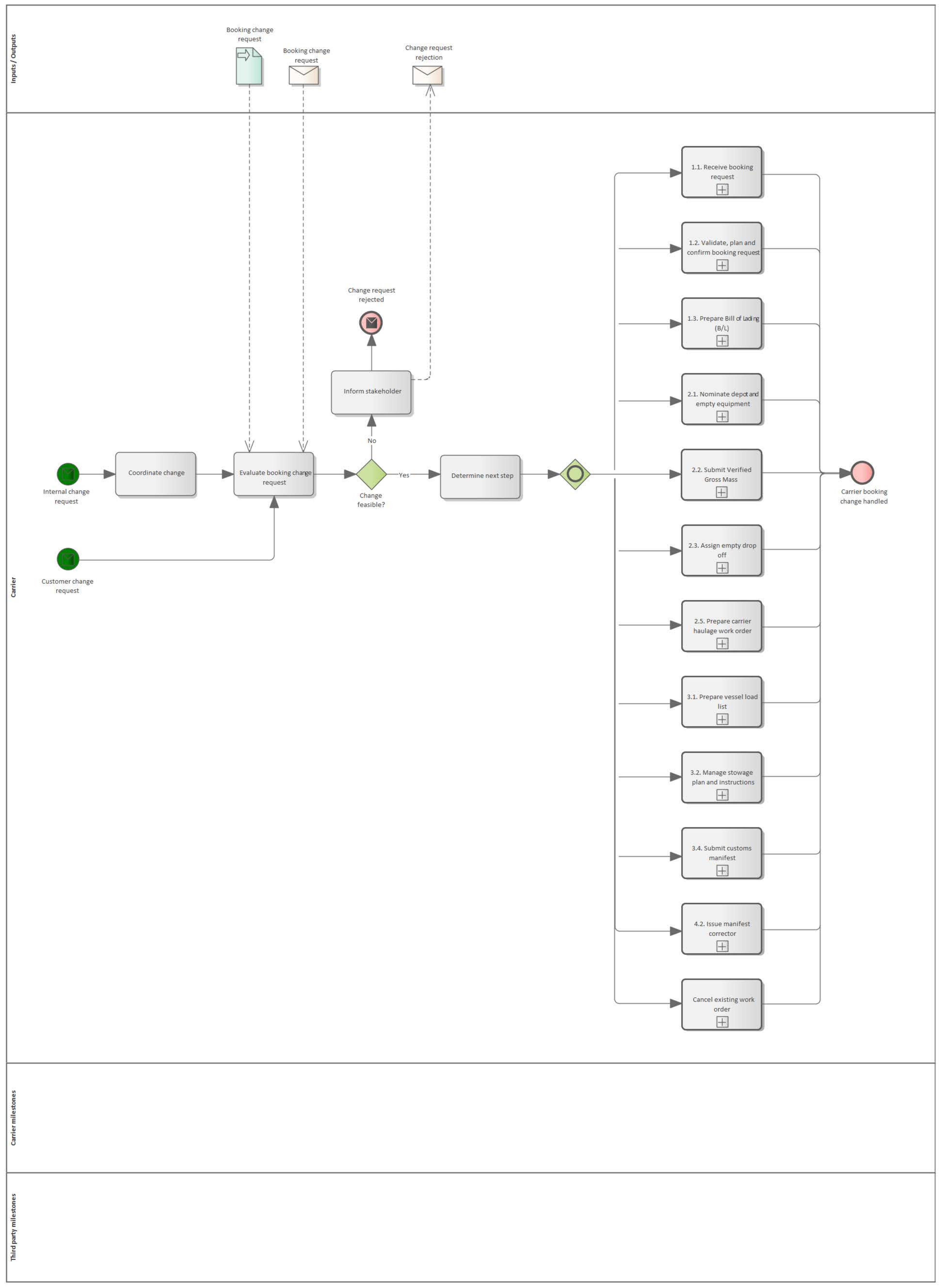


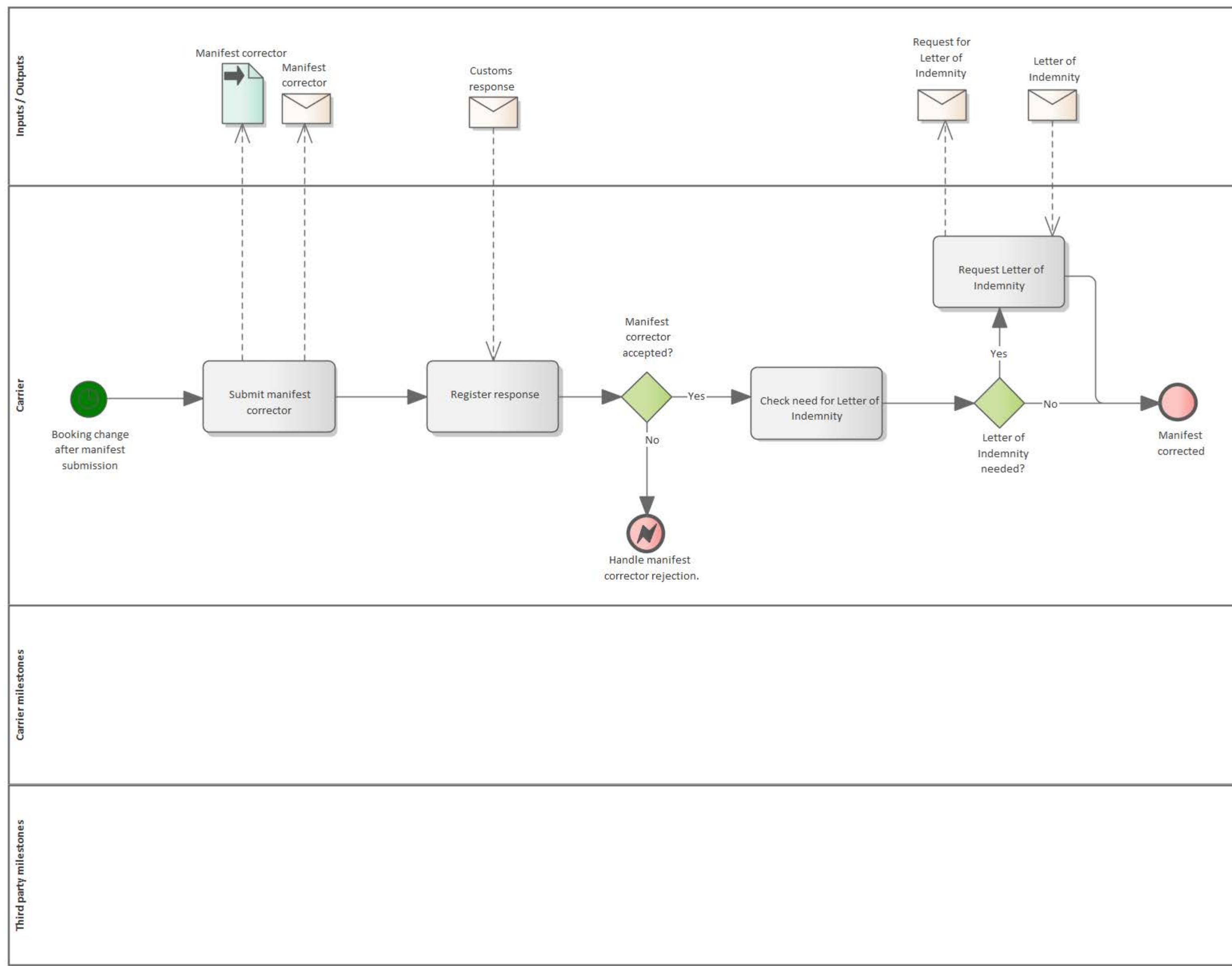
4.6. Manage asset
malfunctions*

4.7. Manage cargo
surveys*

4.8. Manage re-use
allocation*

*: Not defined in Industry Blueprint 1.0





Business Process 4.5. Manage vessel reconciliation deviations

