



Industry Blueprint – Container Shipping 3.0

**Digital Container Shipping Association
(DCSA)**

December, 2020

Level 1: Process description of the journey types



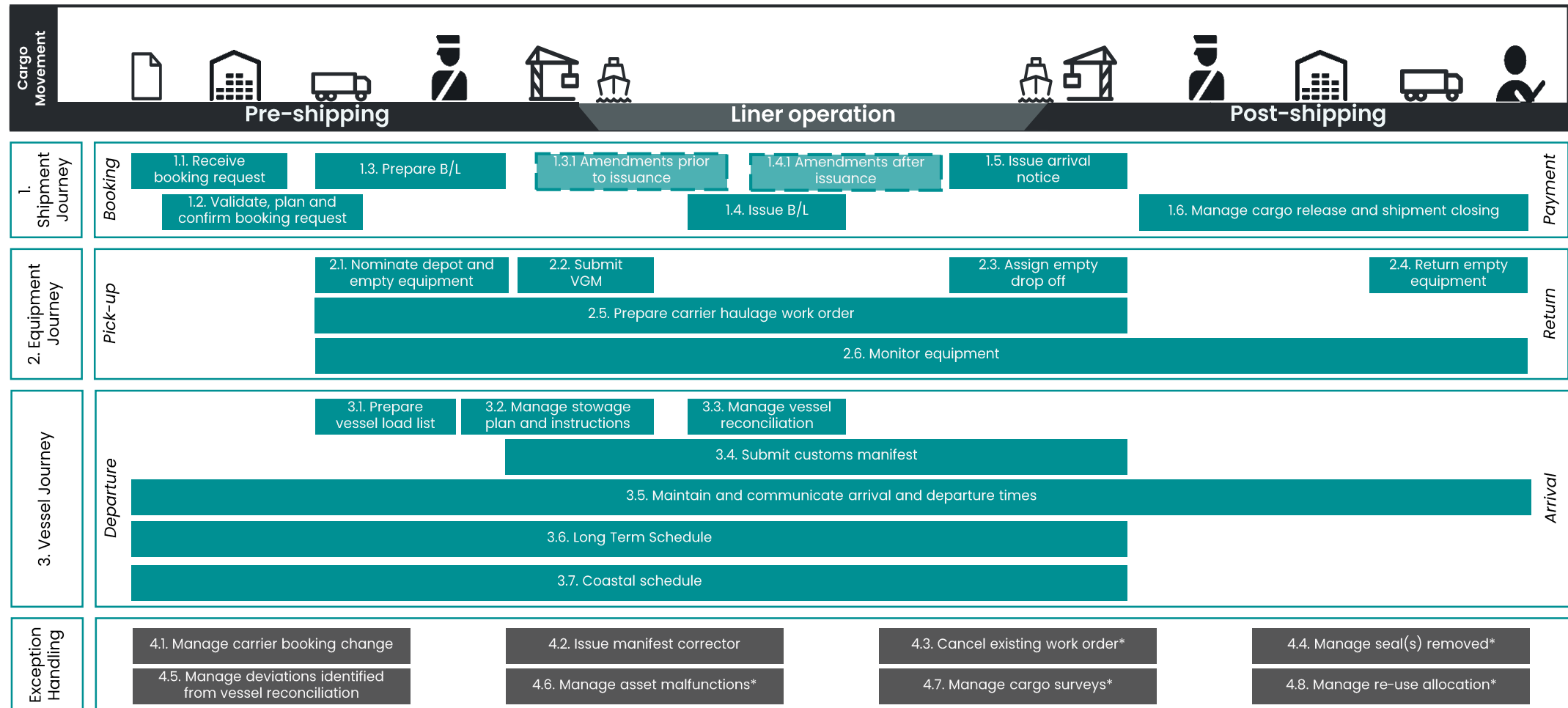
Definitions for Shipment Journey, Equipment Journey and Vessel Journey are included for the Carrier Booking-to-Container Return end-to-end process.

Cargo Movement		
	Pre-shipping	Post-shipping
1. Shipment Journey	<p>Booking</p> <p>Booking-to-Payment covers all activities and documentation processes related to a customer's order</p> <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 <p>Payment</p>	
2. Equipment Journey	<p>Pick-up</p> <p>Pick-up-to-Return covers all activities and documentation processes directly related to containers and/or physical container movements</p> <ul style="list-style-type: none"> • Equipment-driven processes • Carrier-driven processes <p>Return</p>	
3. Vessel Journey	<p>Departure</p> <p>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</p> <ul style="list-style-type: none"> • Activities required to execute a port call successfully • Preparation of vessel arrival and follow-up post vessel departure • <i>"During sea passage" is excluded from the scope of Industry Blueprint 3.0</i> <p>Arrival</p>	

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 3.0 are listed below.



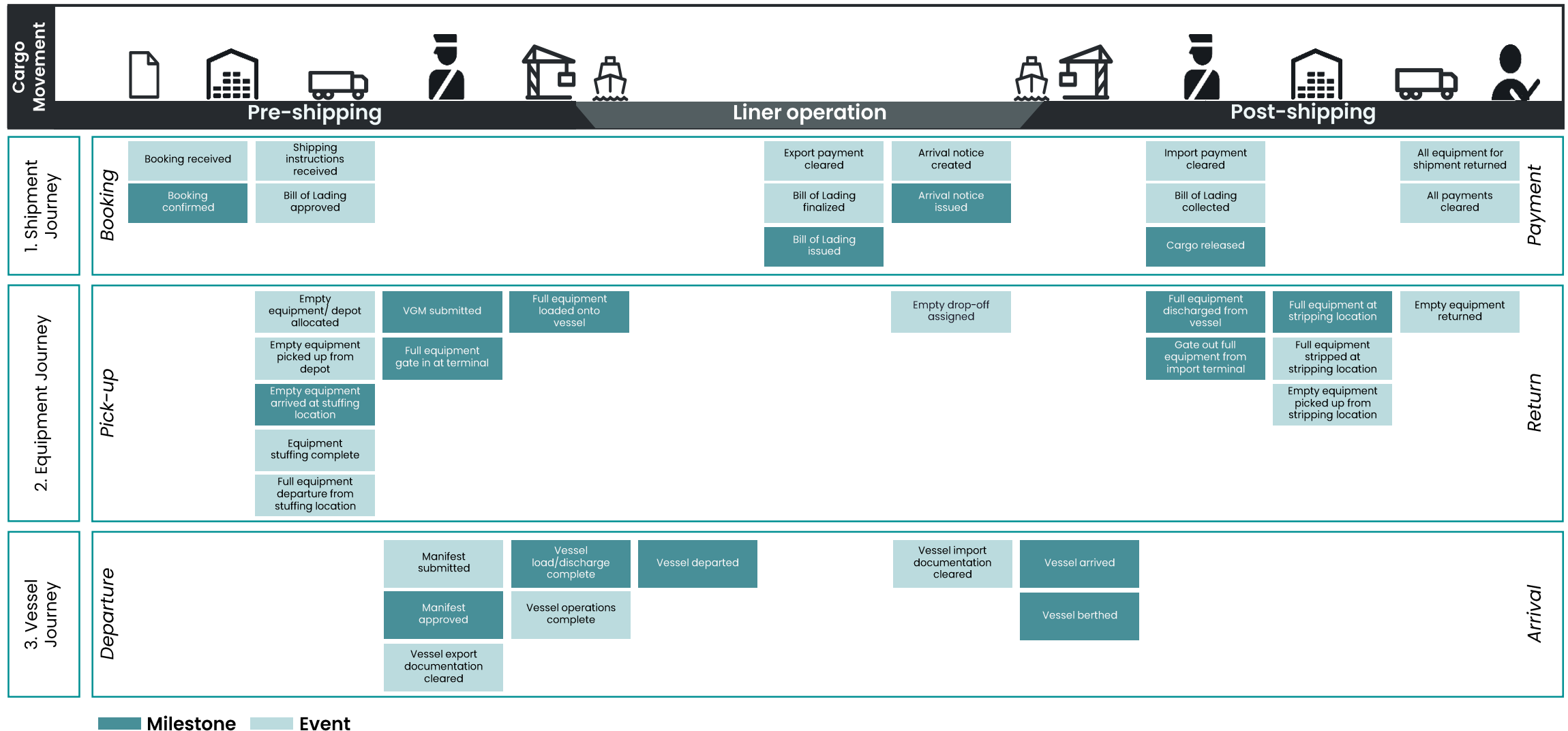
* These processes have not been mapped on level 3 in the Industry Blueprint 3.0

Core process

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

Optional process

Milestone and events per journey



Milestone
 Event

Legal disclaimer

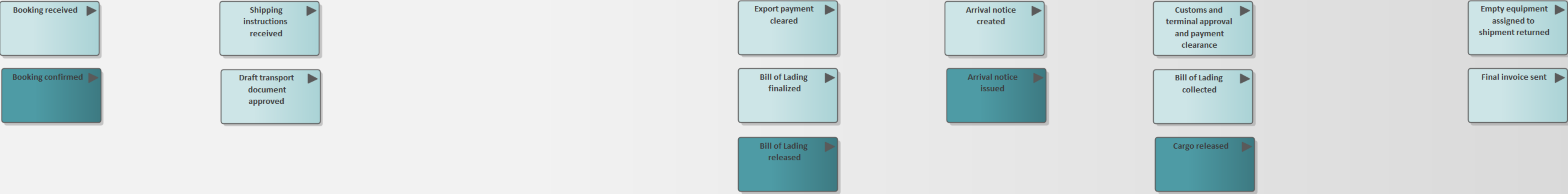


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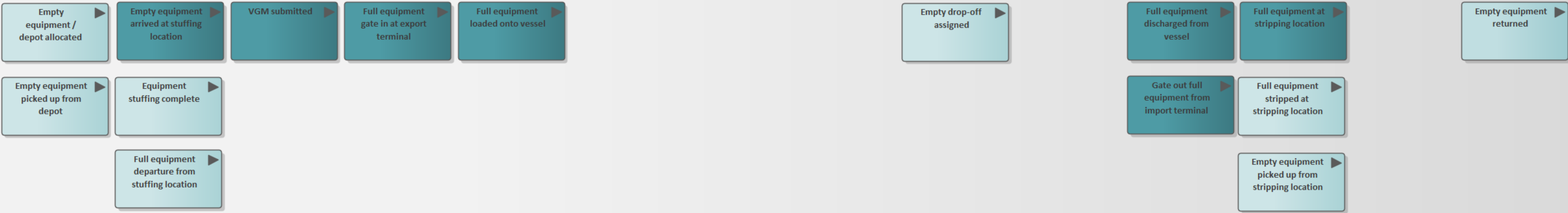
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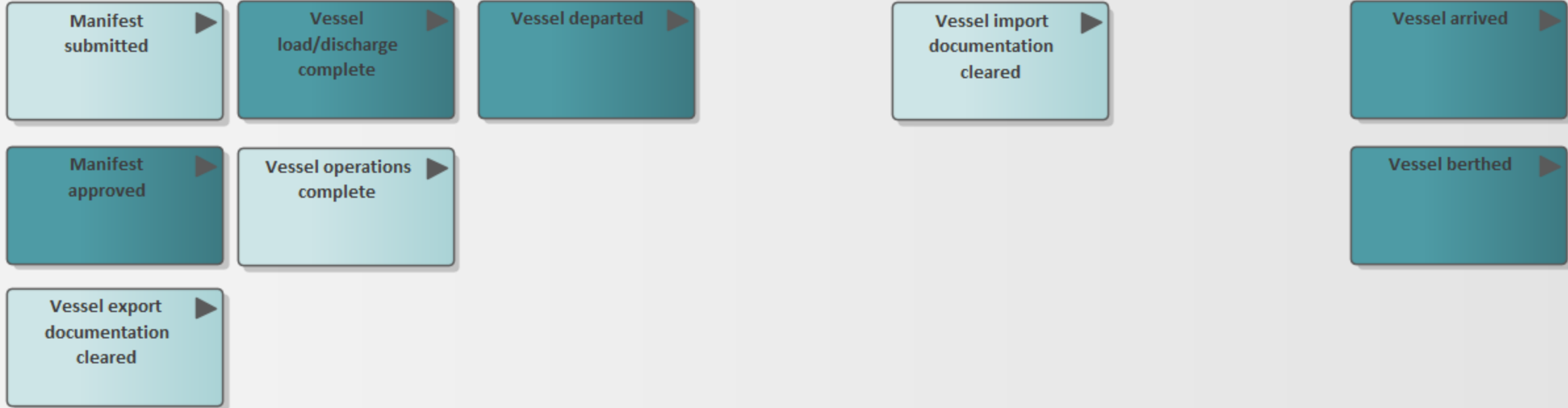
1. Shipment Journey



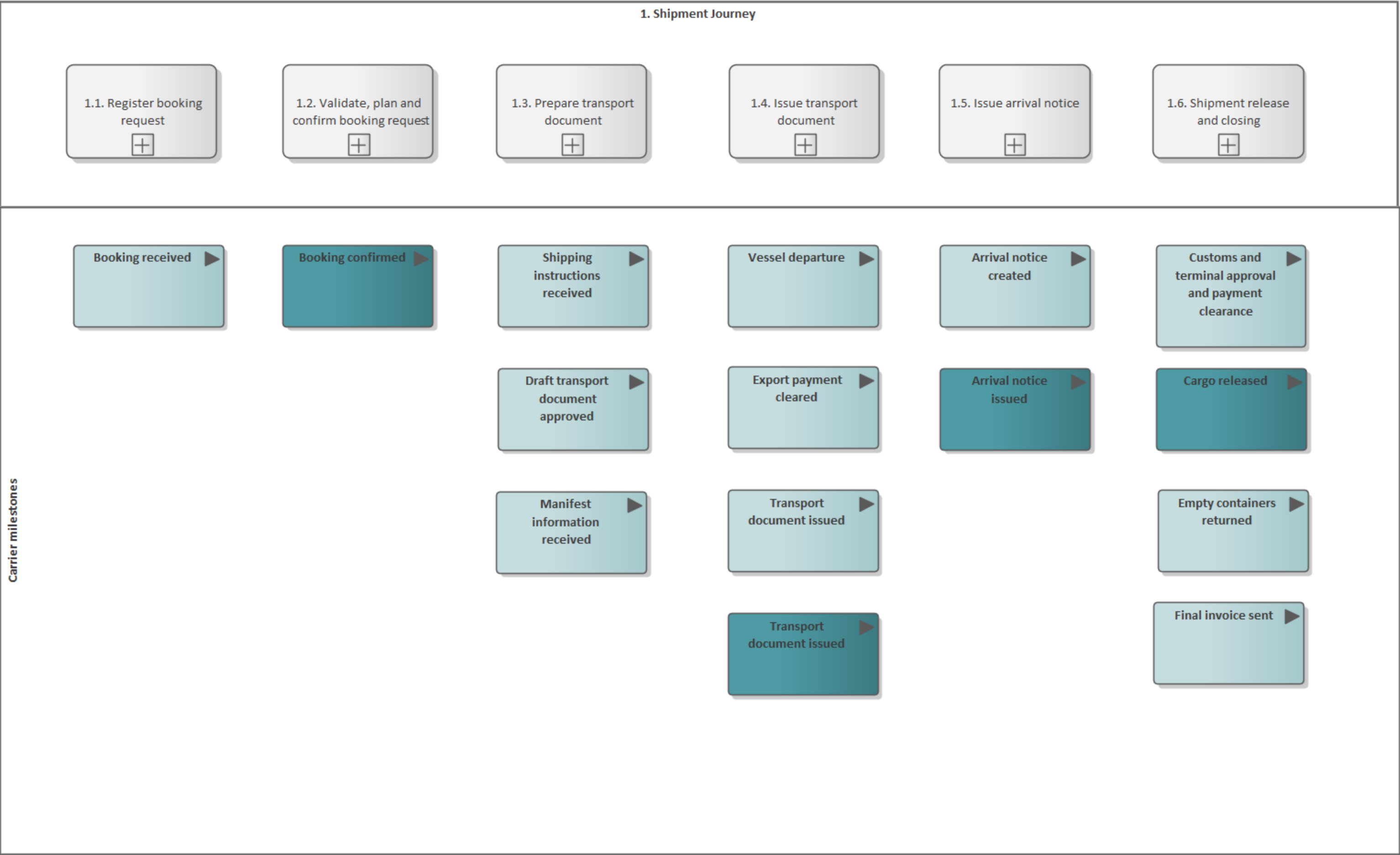
2. Equipment Journey

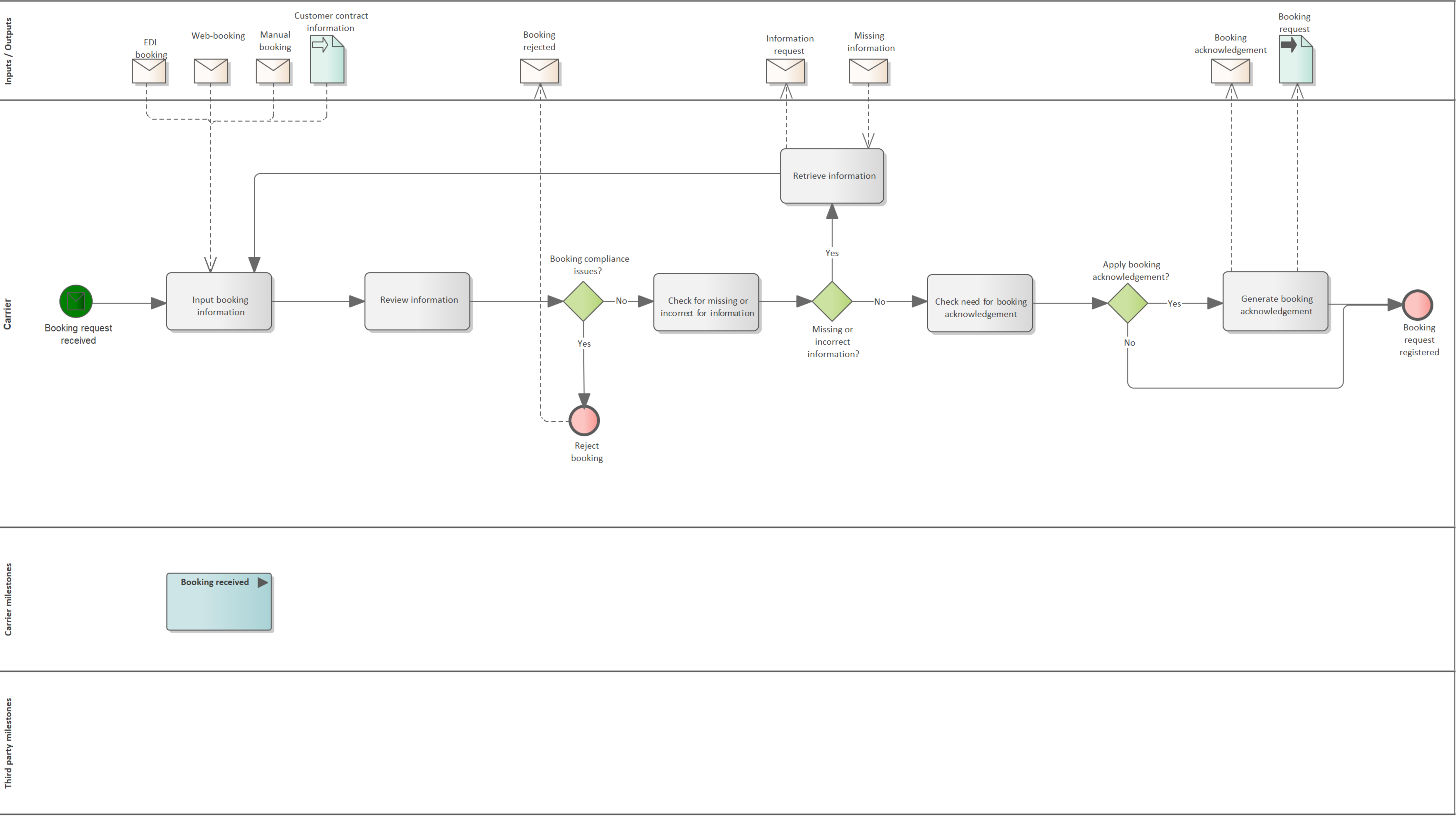


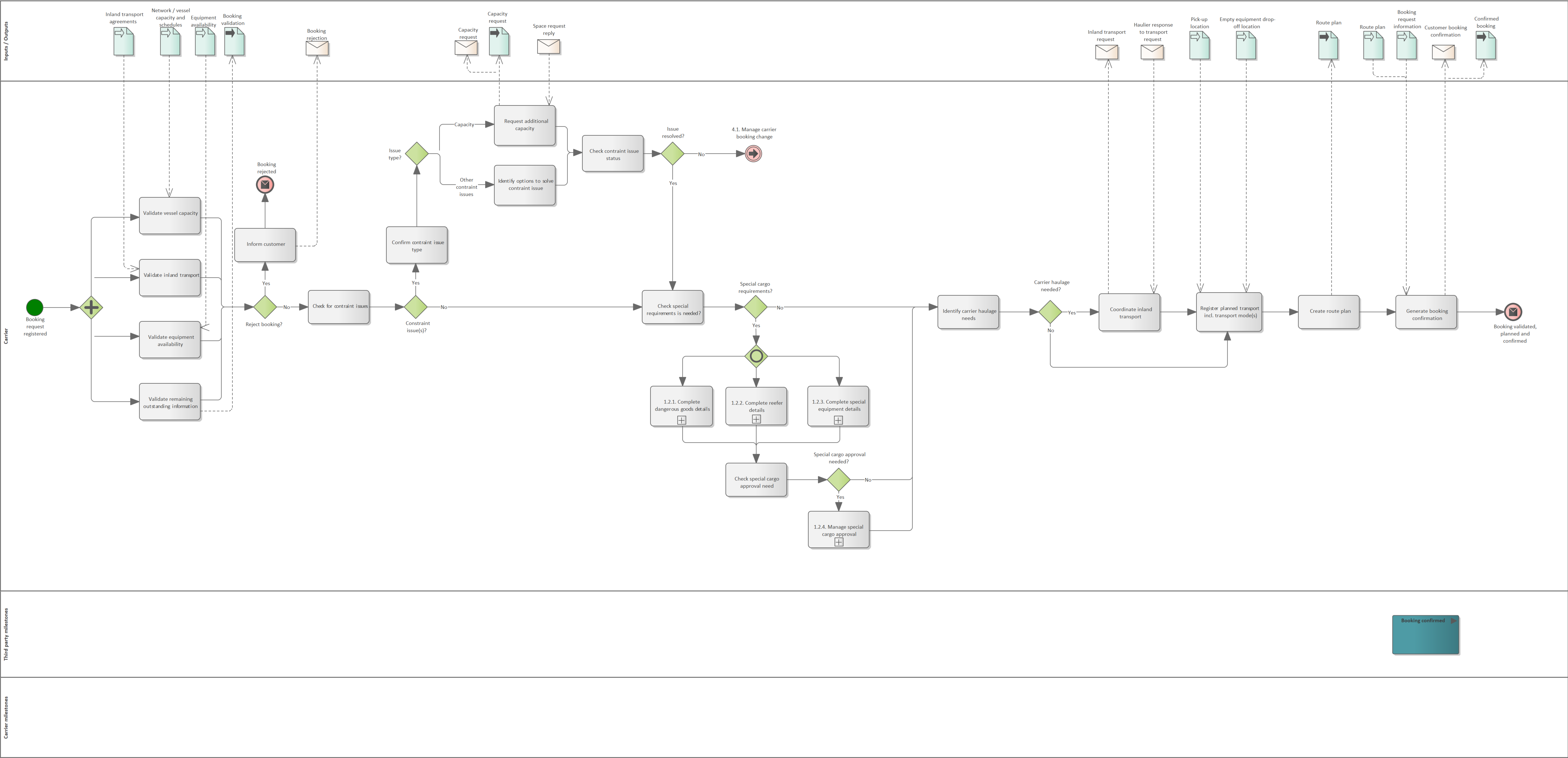
3. Vessel Journey

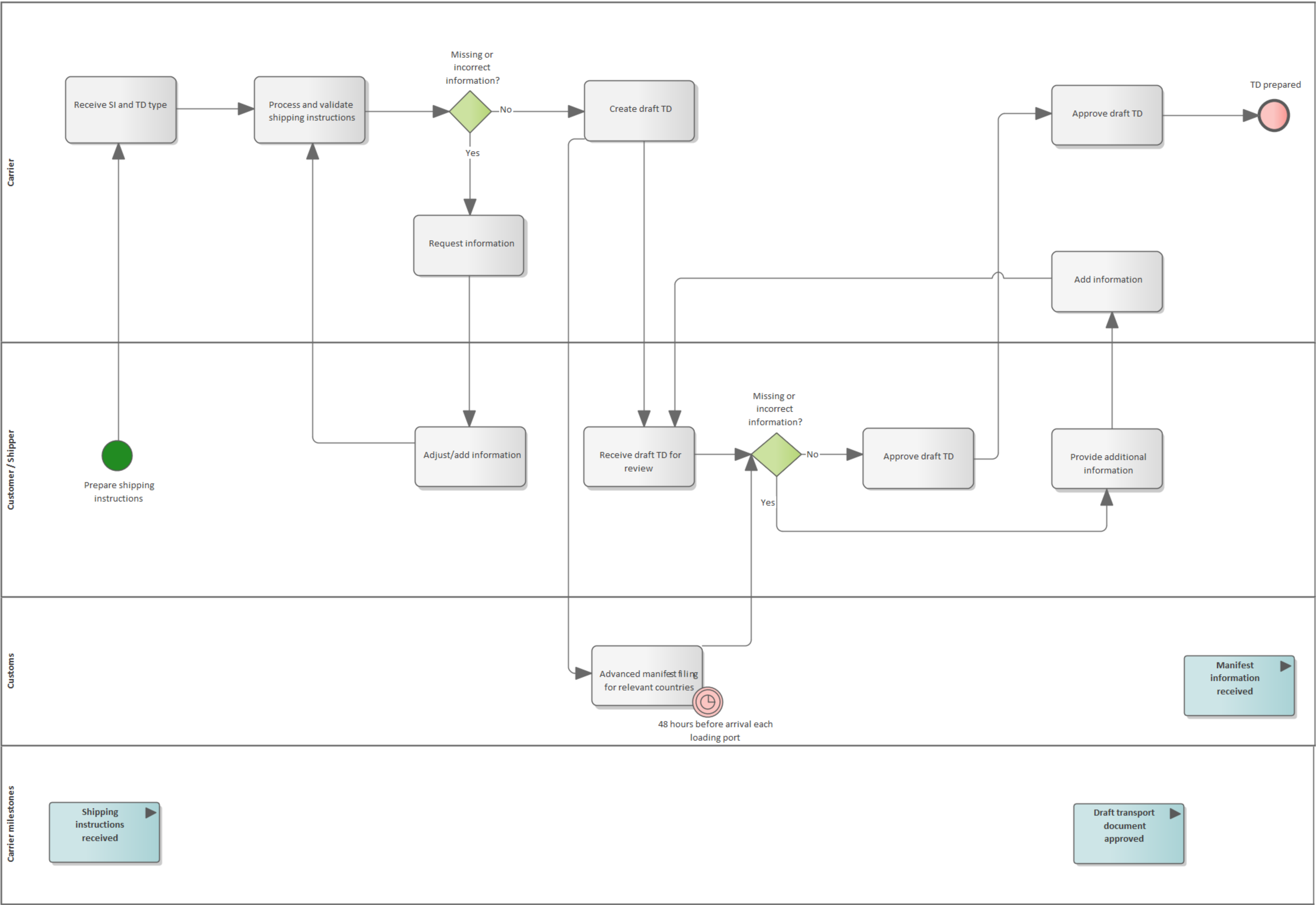


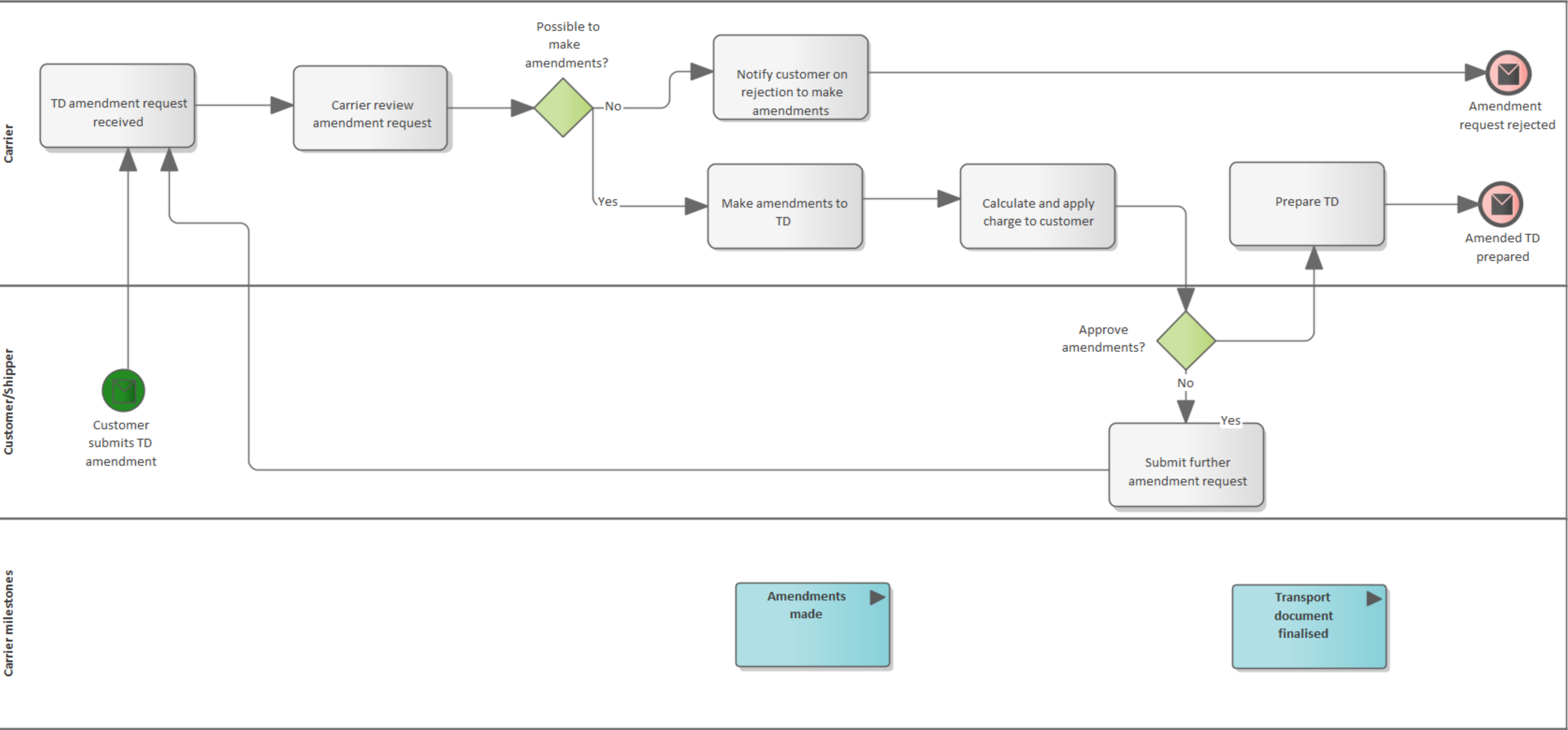
4. Exception Handling

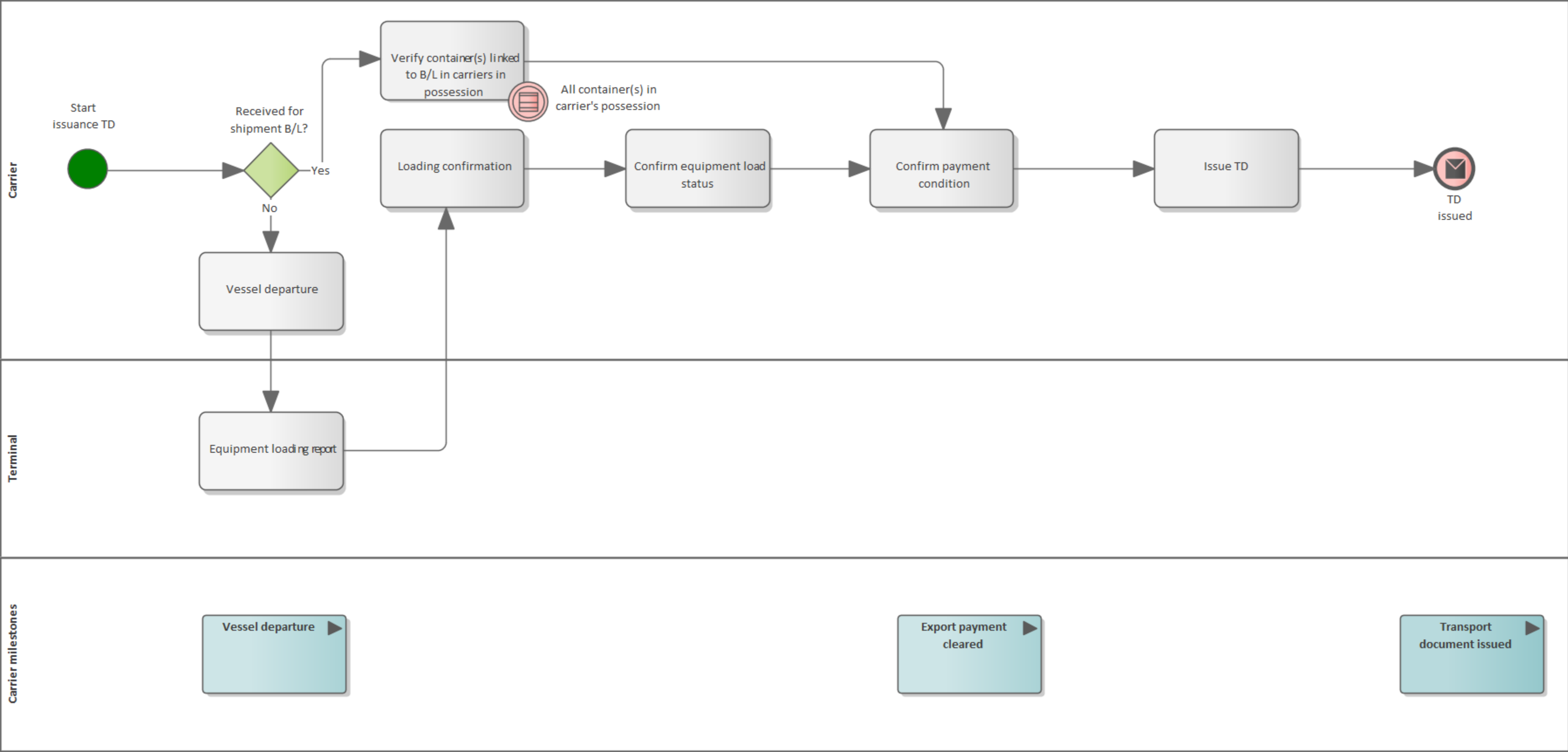


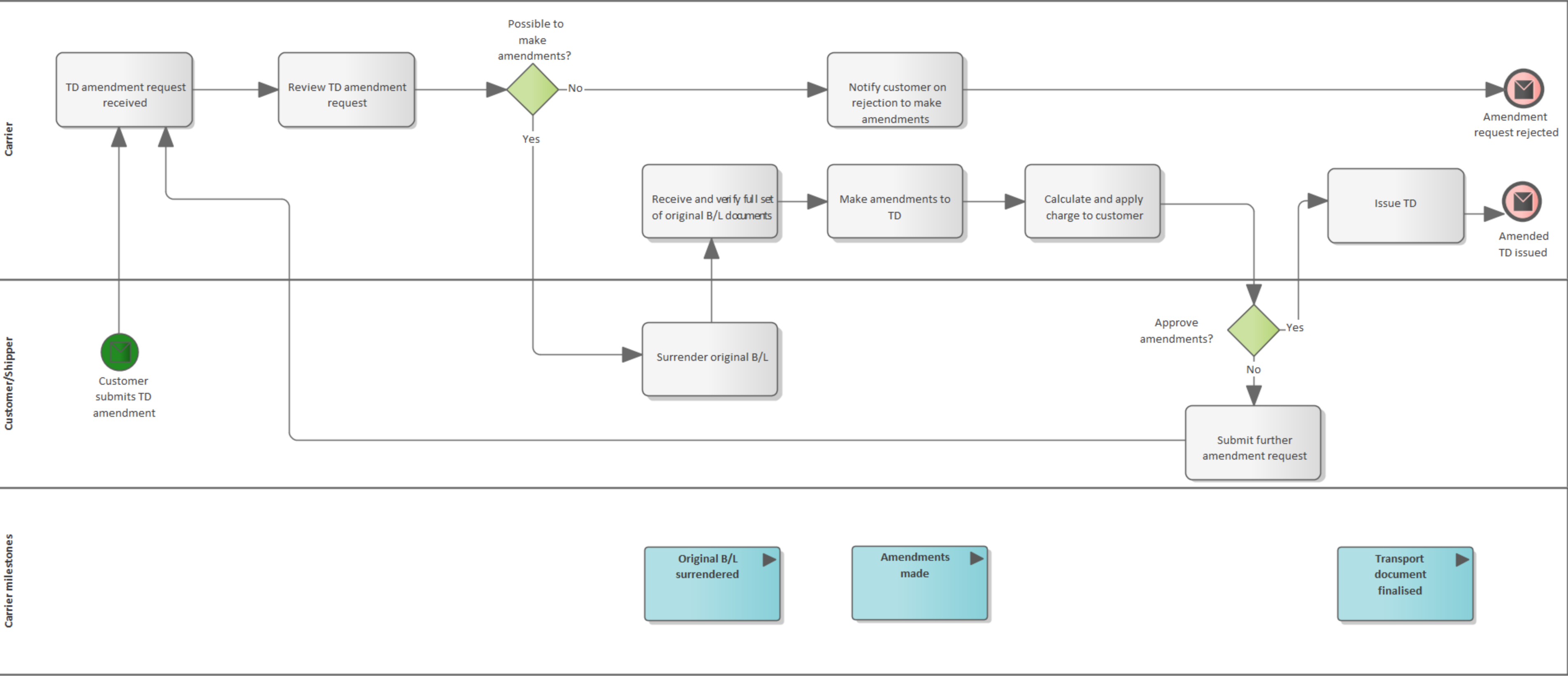


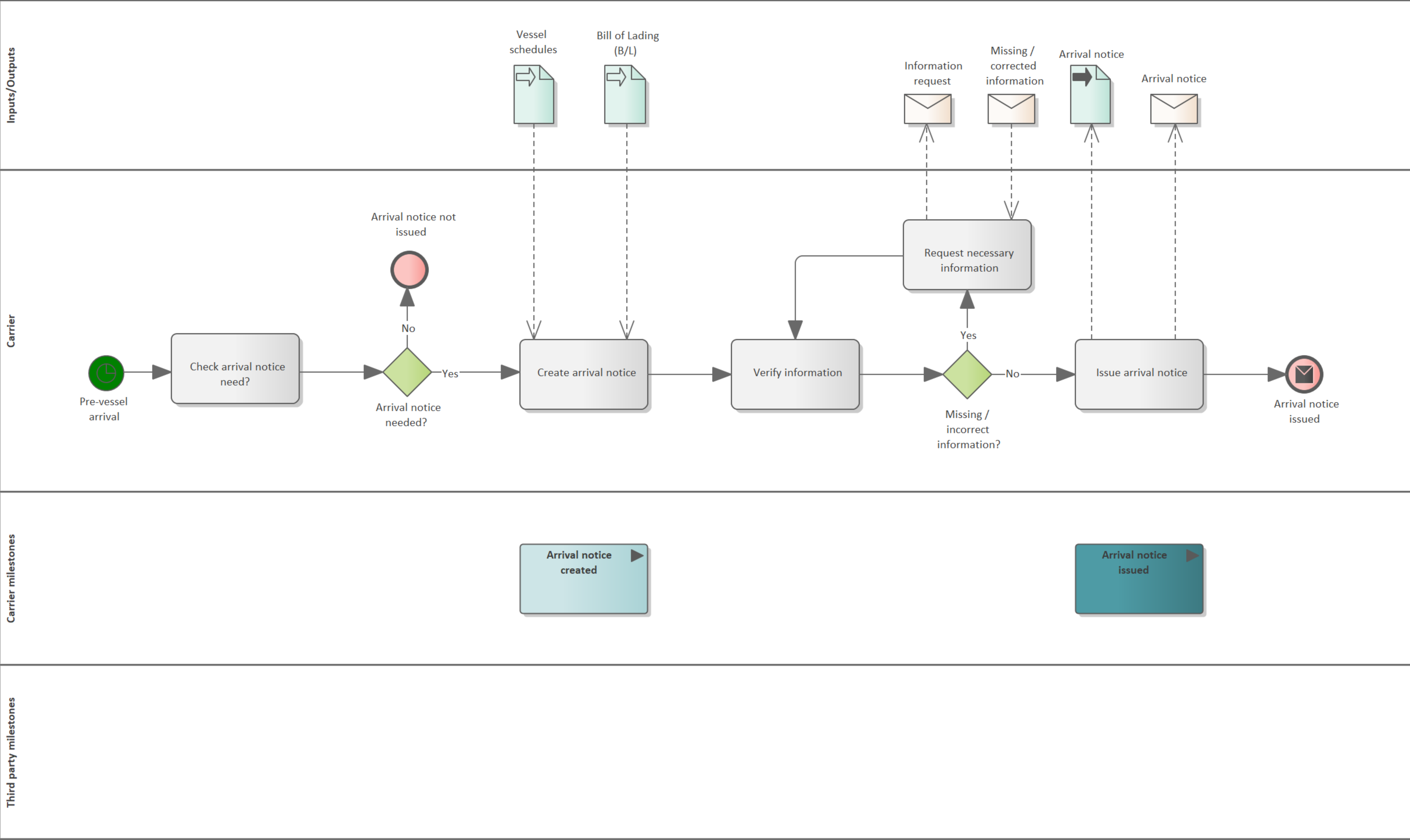


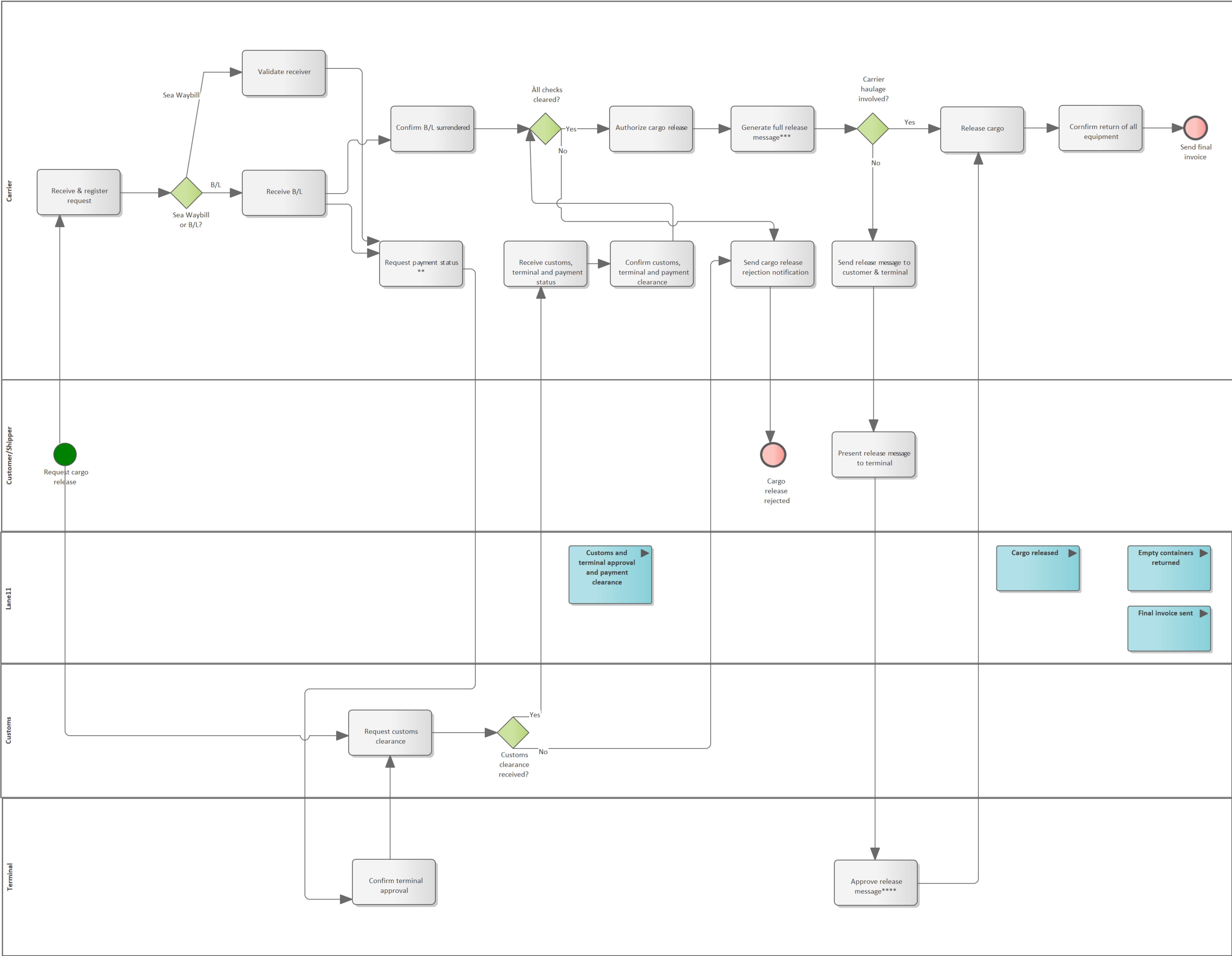


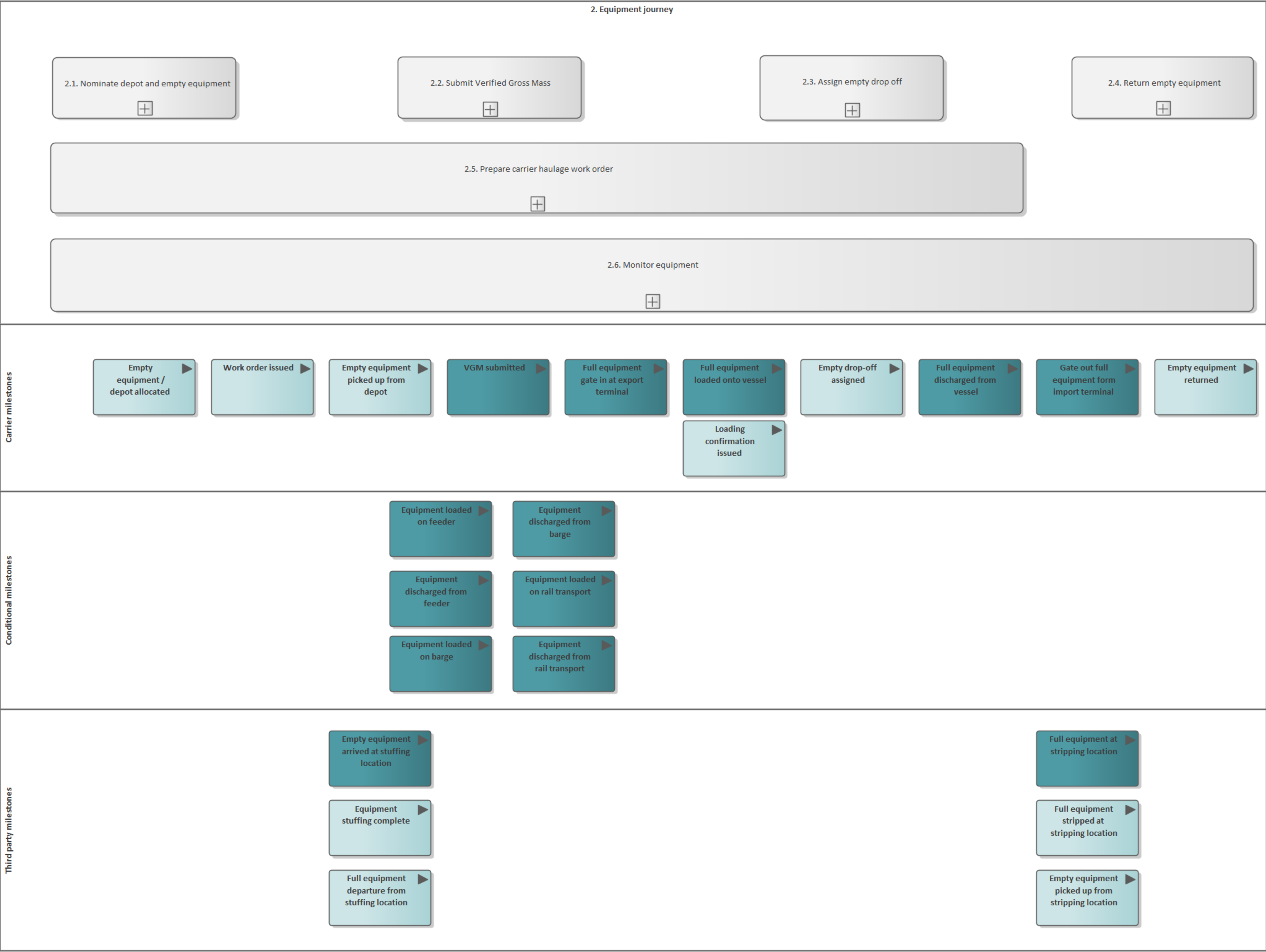


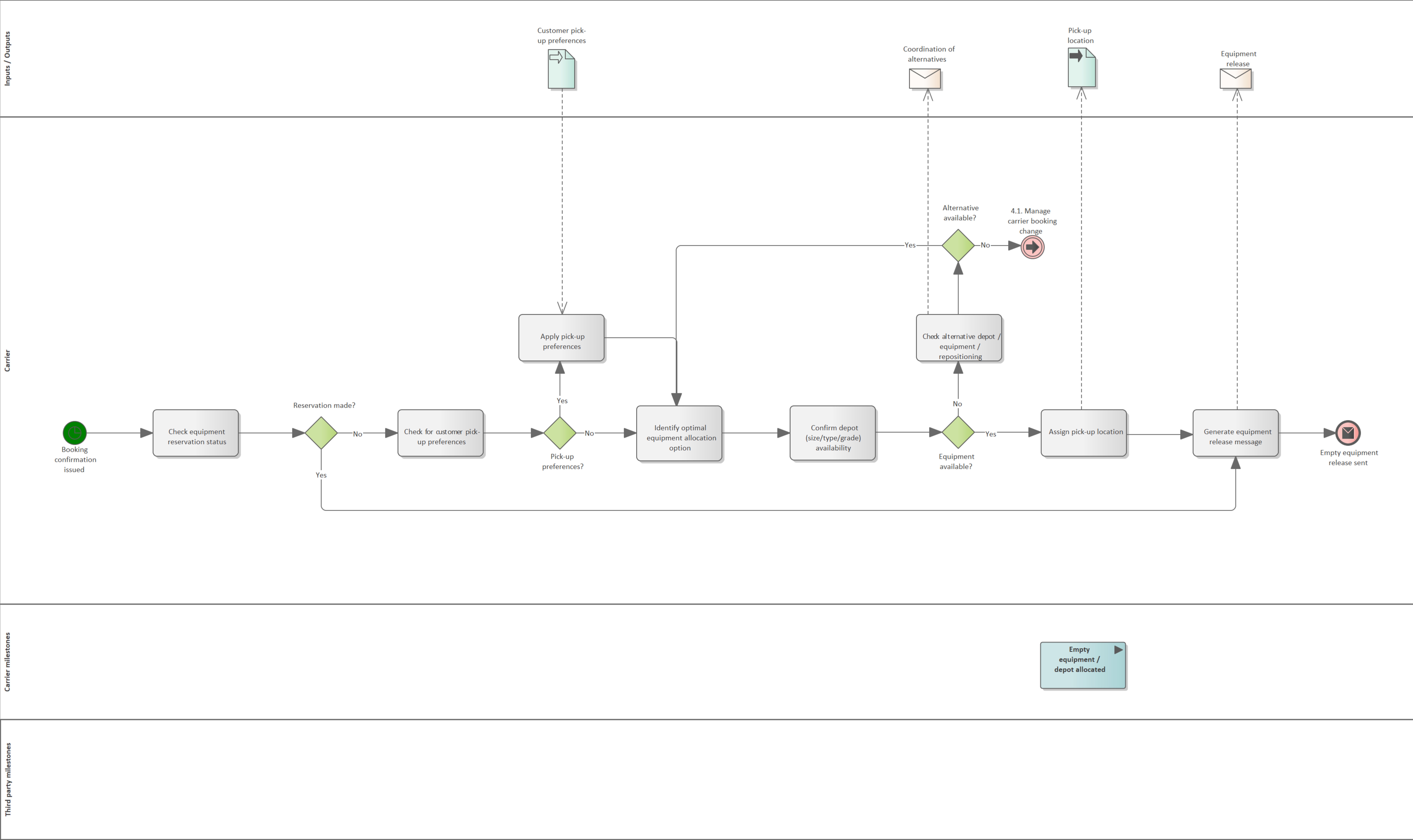










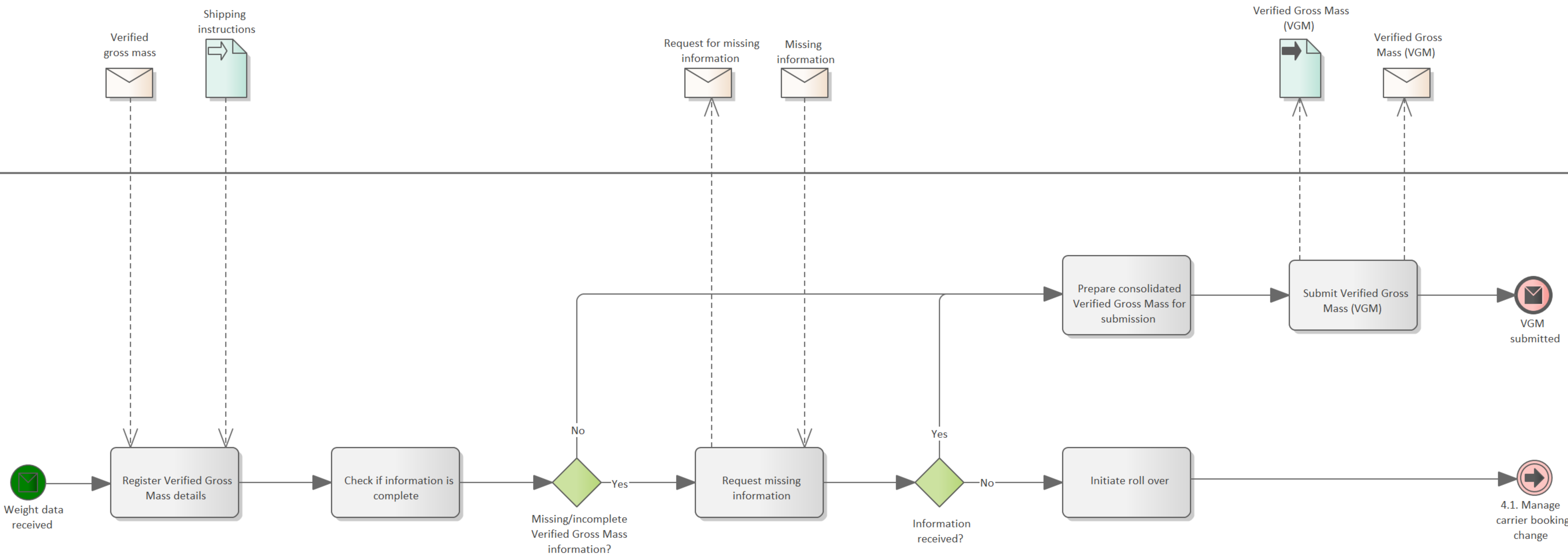


Inputs / Outputs

Carrier

Carrier milestones

Third party milestones



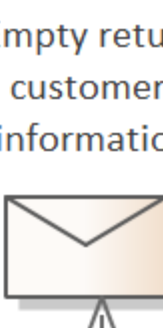
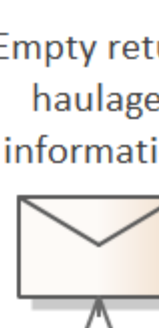
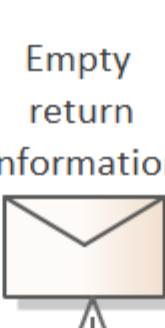
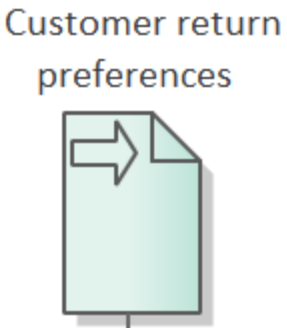
VGM submitted

Inputs/Outputs

Carrier

Carrier milestones

Third party milestones



Assignment of empty drop-off needed

Identify return option

Depot drop-off?

Yes

Confirm equipment return details

Confirm depot capacity and capabilities

Allocate empty equipment drop-off

Inform depot

Check haulage type

Yes

Inform haulier

No

Inform customer

Carrier haulage?

Empty drop-off assigned

4.8. Manage re-use allocation

Empty drop-off assigned

Business Process 2.4. Return empty equipment

Inputs/Outputs

Empty gate in message

Confirmation of return

Updated equipment grade

Carrier

Empty return message recieved

Register empty return message

Graded equipment?

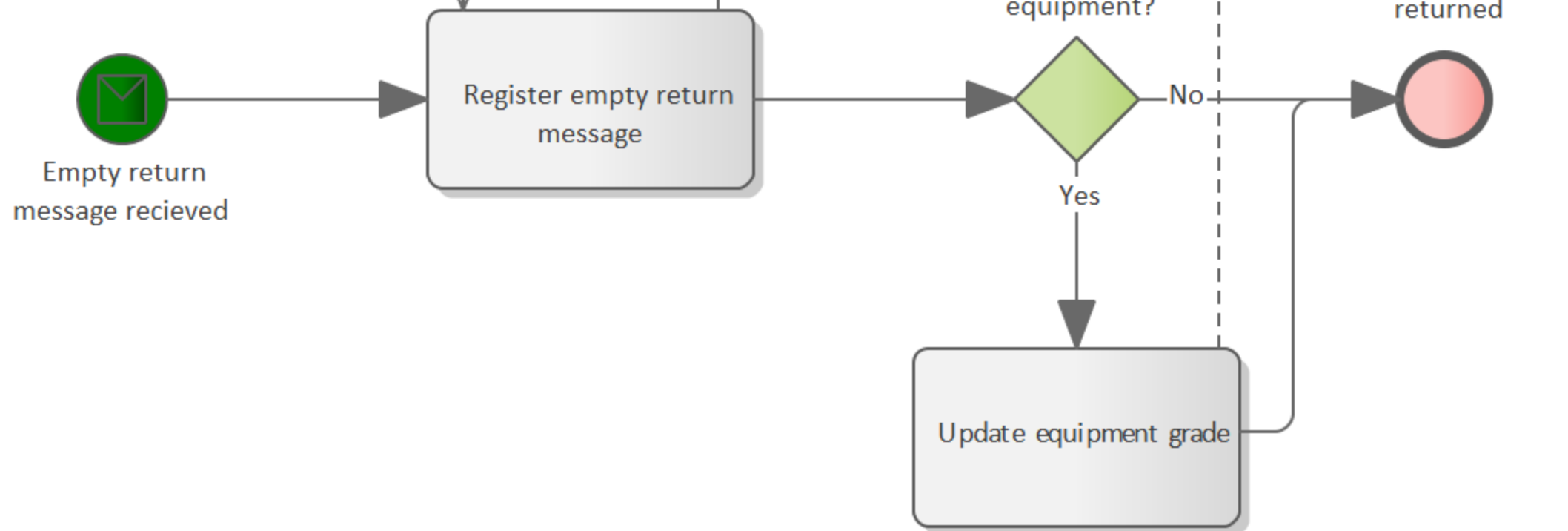
Empty equipment returned

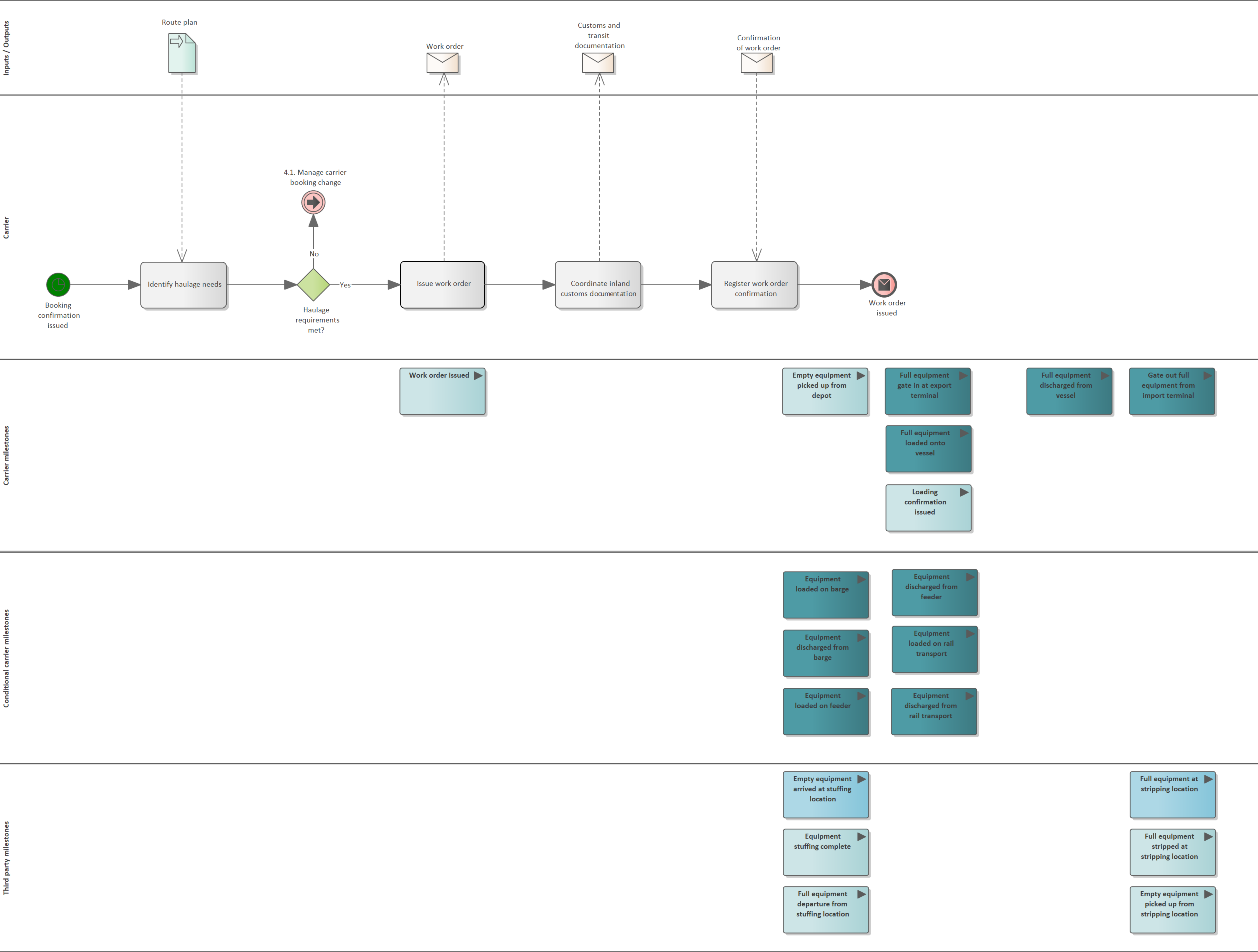
Update equipment grade

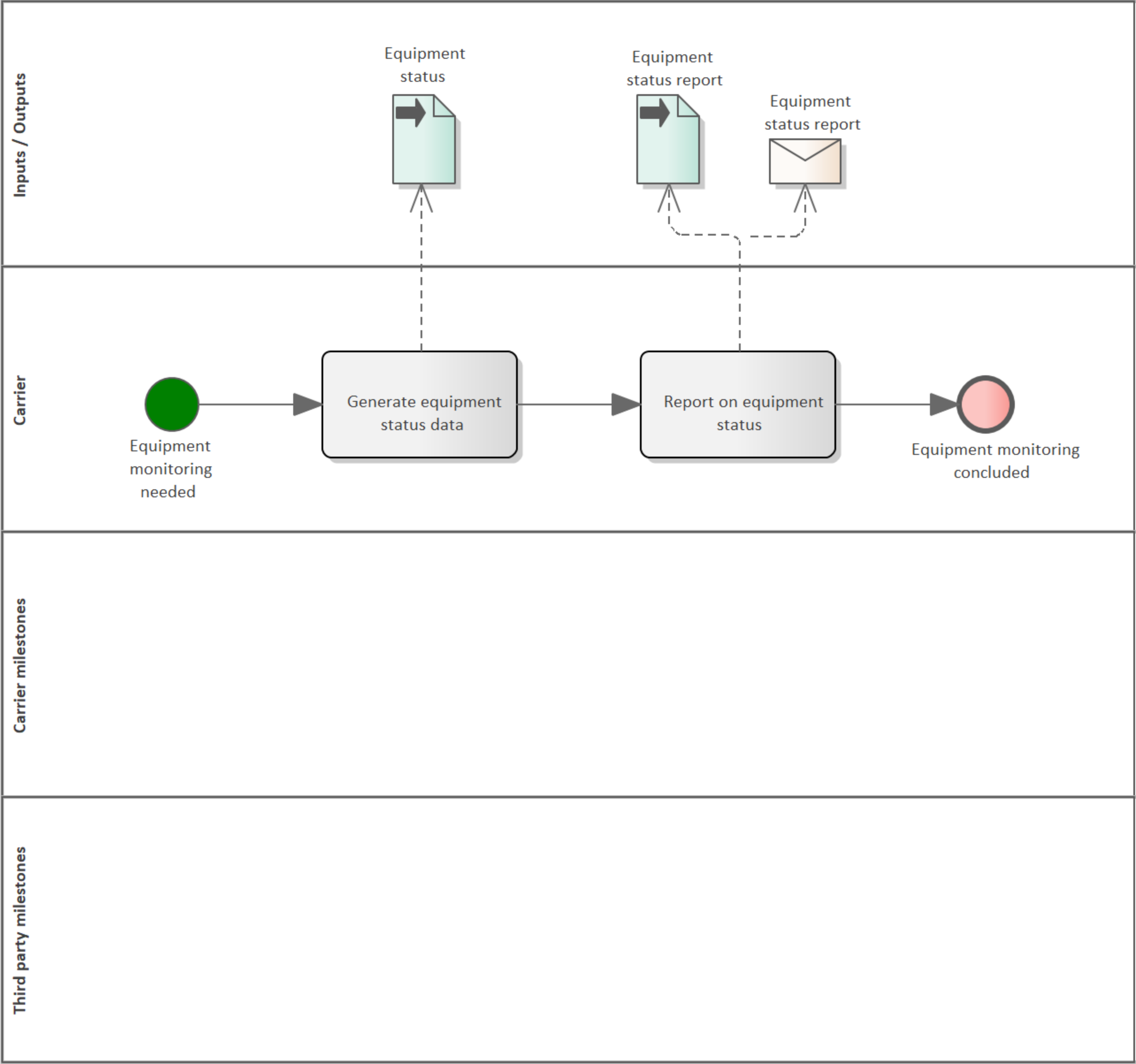
Carrier milestones

Empty equipment returned

Third party milestones







Vessel Journey

3.1. Prepare vessel load list



3.2. Manage stowage plan and instructions



3.3. Manage vessel reconciliation



3.4. Submit customs manifest



3.5. Maintain and communicate arrival and departure times



Manifest submitted



**Manifest
approved**

Vessel
load/discharge
complete

Vessel departed

Vessel import
documentation
cleared



Vessel arrived

Vessel export
documentation
cleared



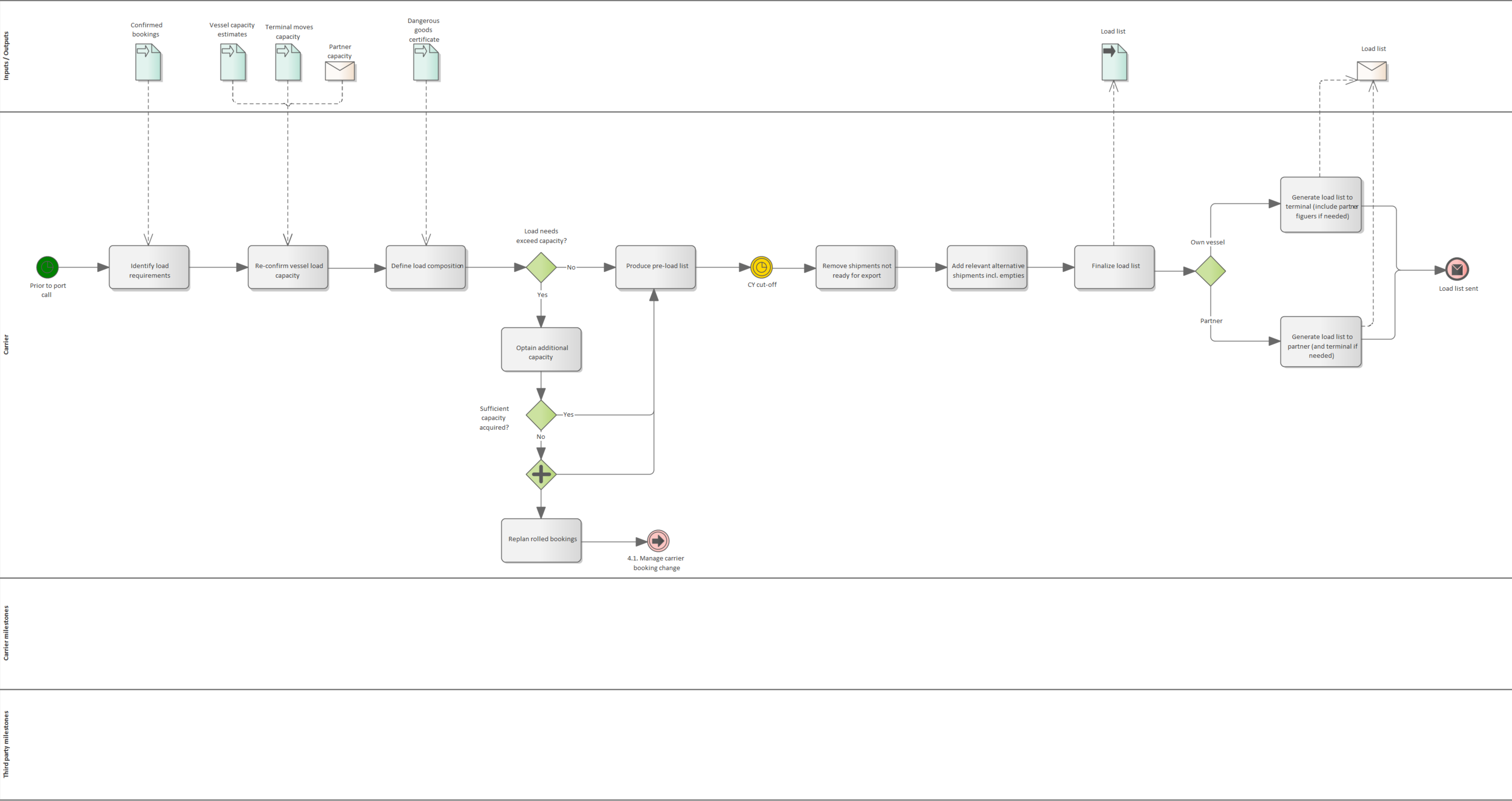
Vessel operations complete

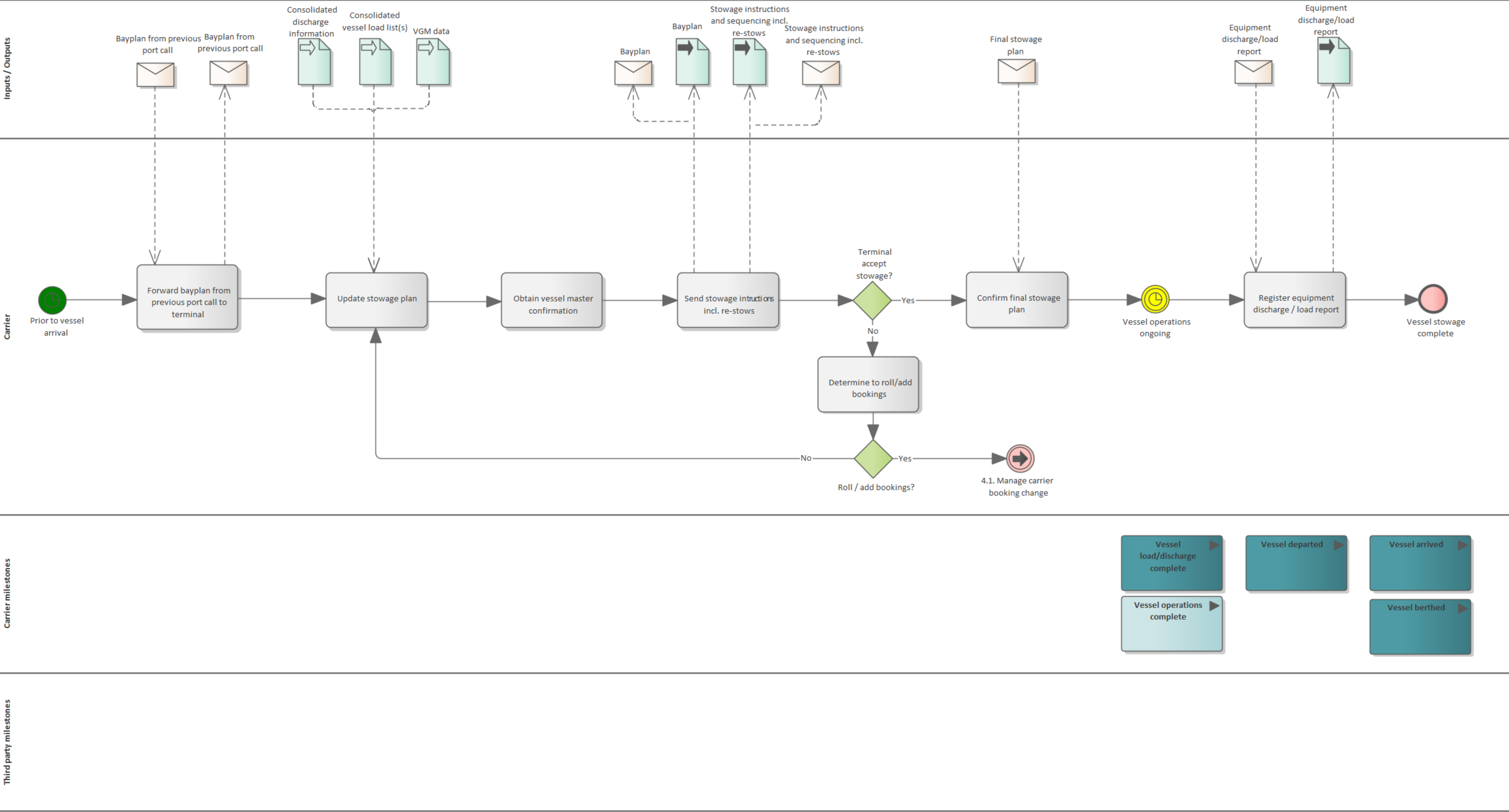


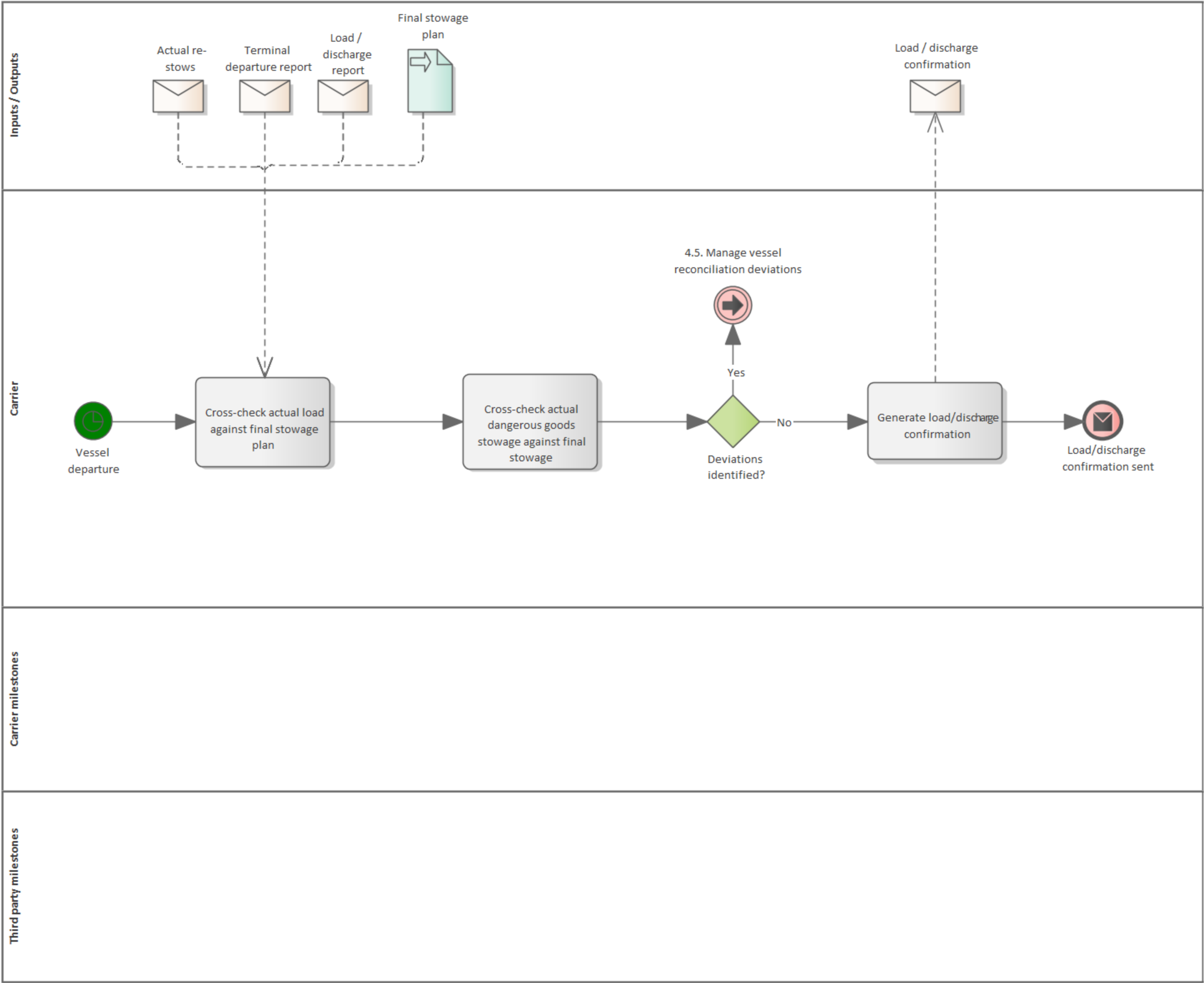
Vessel berthed

Carrier milestones

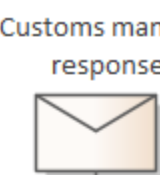
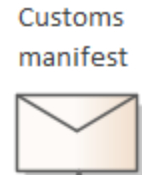
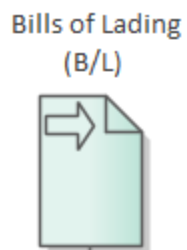
Third party milestones







Inputs / Outputs



Carrier

Submission of customs manifest needed

Compile Bills of Lading information

Generate customs manifest

Register response

Manifest approved?

Customs manifest approved

Inform on rejection or customs instructions

Resolved before deadline?

Initiate roll over

4.1. Manage carrier booking change

Carrier milestones

Manifest submitted

Manifest approved

Vessel export documentation cleared

Vessel departed

Vessel import documentation cleared

Vessel arrived

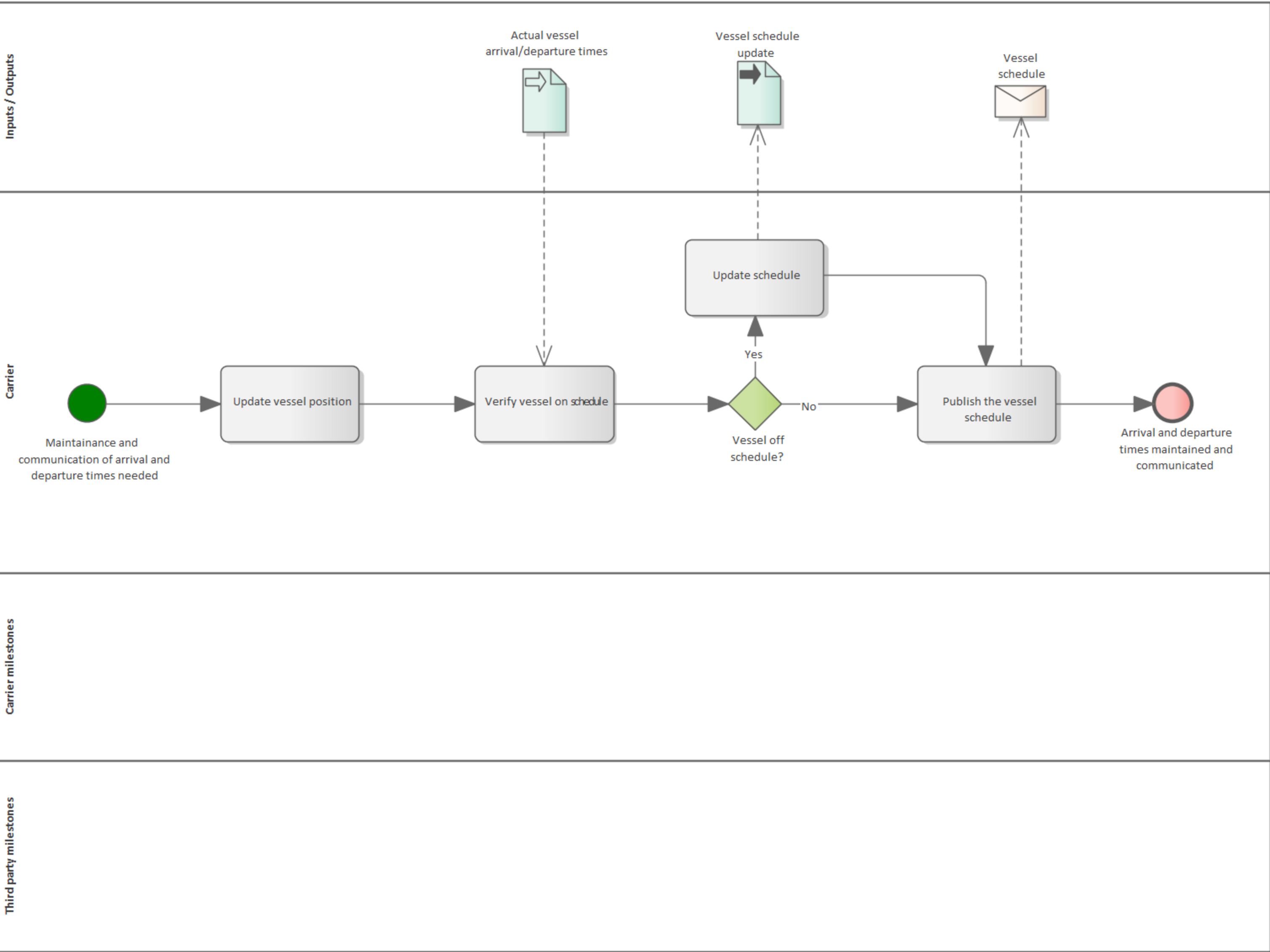
Third party milestones

Inputs / Outputs

Carrier

Carrier milestones

Third party milestones



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*

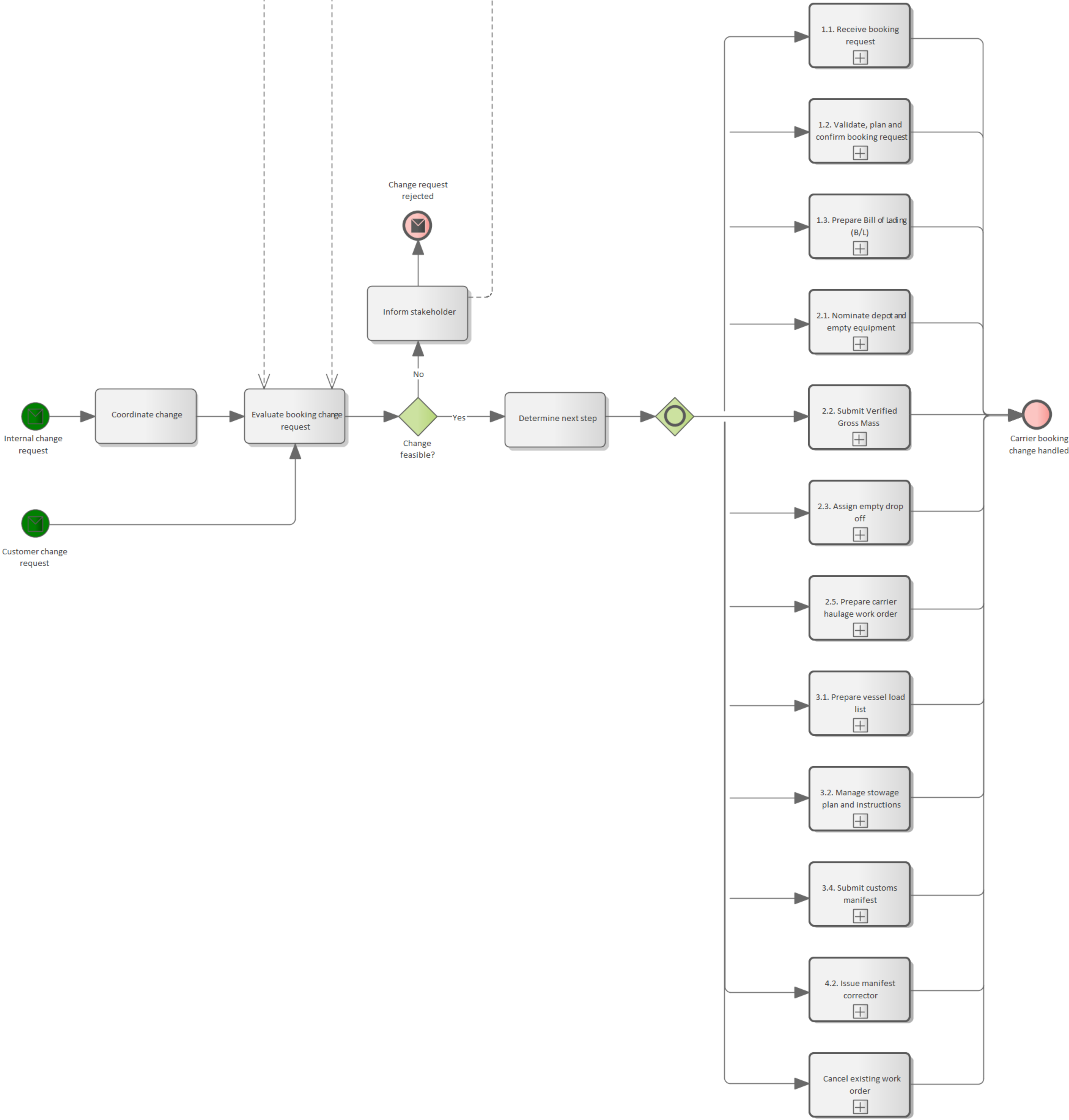
4.8. Manage re-use
allocation*

**: Not defined in Industry Blueprint 1.0*

Inputs / Outputs



Carrier



Carrier milestones

Third party milestones

