Industry Blueprint – Container Shipping 3.0
Digital Container Shipping Association (DCSA)
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# 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.

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
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| **1. Shipment Journey** | Booking-to-Payment covers all activities and documentation processes related to a customer’s order  
  - 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 |
| **2. Equipment Journey** | Pick-up-to-Return covers all activities and documentation processes directly related to containers and/or physical container movements  
  - Equipment-driven processes  
  - Carrier-driven processes |
| **3. Vessel Journey** | 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  
  - Activities required to execute a port call successfully  
  - Preparation of vessel arrival and follow-up post vessel departure  
  - “During sea passage” is excluded from the scope of Industry Blueprint 3.0 |
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.
Milestone and events per journey

1. Shipment Journey
   - Booking received
   - Booking confirmed
   - Bill of Lading issued
   - Export payment cleared
   - Arrival notice issued
   - Cargo released

2. Equipment Journey
   - Empty equipment/depot allocated
   - Full equipment loaded onto vessel
   - Empty drop-off assigned
   - Full equipment discharged from vessel
   - Gate out full equipment from import terminal
   - Empty equipment returned

3. Vessel Journey
   - Manifest submitted
   - Vessel load/discharge complete
   - Vessel operations complete
   - Vessel import documentation cleared
   - Vessel arrived

4. Arrival
   - Vessel berthed
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Business Process 2.4. Return empty equipment

Inputs/Outputs

Empty gate in message

Confirmation of return

Updated equipment grade

Carrier

Empty return message received

Register empty return message

Graded equipment?

Empty equipment returned

Update equipment grade

Carrier milestones

Empty equipment returned

Third party milestones
Business Process 2.6. Monitor equipment

Carrier

Equipment monitoring needed

Generate equipment status data

Report on equipment status

Equipment monitoring concluded

Inputs / Outputs

Equipment status

Equipment status report

Equipment status report

Carrier milestones

Third party milestones
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 berth

Vessel export documentation cleared ➔ Vessel operations complete ➔
4.5. Manage vessel reconciliation deviations

Cross-check actual load against final stowage plan

Cross-check actual dangerous goods stowage against final stowage

No

Deviations identified?

Yes

Generate load/discharge confirmation

Load/discharge confirmation sent

Carrier milestones

Third party milestones

Vessel departure
Business Process 3.5. Maintain and communicate arrival and departure times

Inputs/Outputs:
- Actual vessel arrival/departure times
- Vessel schedule update
- Vessel schedule

Carrier:
- Update vessel position
- Verify vessel on schedule
- Vessel off schedule?
- Publish the vessel schedule

Carrier milestones:
- Maintenance and communication of arrival and departure times needed

Third party milestones:
- Arrival and departure times maintained and communicated
Business Process 4. Exception Handling

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

3.3. Manage vessel reconciliation

- Investigate deviation reasons
- Initiate correction

4.1. Manage carrier booking change