Industry Blueprint – Container Shipping 3.1

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>Cargo Movement</th>
<th>Pre-shipping</th>
<th>Liner operation</th>
<th>Post-shipping</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Shipment Journey</td>
<td>Booking</td>
<td>Pick-up-to-Return covers all activities and documentation processes related to containers and/or physical container movements</td>
<td>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</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Equipment-driven processes</td>
<td>• Activities required to execute a port call successfully</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Carrier-driven processes</td>
<td>• Preparation of vessel arrival and follow-up post vessel departure</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Process executed in relation to an agreement made between the customer and the carrier, which is later invoiced and settled</td>
<td>• “During sea passage” is excluded from the scope of Industry Blueprint 3.0</td>
</tr>
</tbody>
</table>

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

**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.
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 3.1 are listed below.

1. Shipment Journey
   - 1.1. Receive booking request
   - 1.2. Validate, plan and confirm booking request
   - 1.3. Prepare B/L
   - 1.4. Issue B/L
   - 1.5. Issue arrival notice
   - 1.6. Manage cargo release and shipment closing

2. Equipment Journey
   - 2.1. Nominate depot and empty equipment
   - 2.2. Submit VGM
   - 2.3. Assign empty drop off
   - 2.4. Return empty equipment
   - 2.5. Prepare carrier haulage work order
   - 2.6. Monitor equipment

3. 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
   - 3.6. Long Term schedule
   - 3.7. Coastal schedule
   - 3.8. Weekly berth planning
   - 3.9. Port call process
   - 3.10. Port call services

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 deviations identified from vessel reconciliation
- 4.6. Manage asset malfunctions*
- 4.7. Manage cargo surveys*
- 4.8. Manage re-use allocation*

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

Optional process (Not aligned with the “Cargo movement” diagram)
Milestone and events per journey

1. Shipment Journey
   - Booking received
   - Booking confirmed
   - Shipping instructions received
   - Bill of Lading approved
   - VGM submitted
   - Full equipment loaded onto vessel
   - Empty drop-off assigned
   - Export payment cleared
   - Arrival notice created
   - Bill of Lading issued
   - Bill of Lading finalized
   - Import payment cleared
   - Bill of Lading collected
   - Cargo released
   - All equipment for shipment returned

2. Equipment Journey
   - Empty equipment/depot allocated
   - Empty equipment picked up from depot
   - Empty equipment gate in at terminal
   - Full equipment at stripping location
   - Empty equipment returned
   - Full equipment discharged from vessel
   - Full equipment at stripping location
   - Empty equipment picked up from stripping location

3. Vessel Journey
   - Manifest submitted
   - Manifest approved
   - Vessel export documentation cleared
   - Vessel arrived
   - Vessel berth/anchor complete
   - Vessel import documentation cleared
   - Vessel operations complete
   - Vessel departed

Milestone and Event
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Business Process 1.5. Issue arrival notice

1. Check arrival notice need?
   - Yes: Create arrival notice
   - No: Arrival notice not issued

2. Verify information
   - Yes: Issue arrival notice
   - No: Missing/incorrect information?

3. Request necessary information

4. Arrival notice created

5. Arrival notice issued
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:
- Empty equipment / depot allocated
- Work order issued
- Empty equipment picked up from depot
- VGM submitted
- Full equipment gate in at export terminal
- Full equipment loaded onto vessel
- Empty drop-off assigned
- Full equipment discharged from vessel
- Gate out full equipment form import terminal
- Empty equipment returned

Conditional milestones:
- Loading confirmation issued
- Equipment loaded on feeder
- Equipment discharged from barge
- Equipment loaded on rail transport
- Equipment discharged from rail transport

Third party milestones:
- Empty equipment arrived at stuffing location
- Equipment stuffing complete
- Full equipment departure from stuffing location
- Full equipment at stripping location
- Full equipment stripped at stripping location
- Empty equipment picked up from stripping location
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

Carrier milestones
Empty equipment returned

Third party milestones
Business Process 2.6. Monitor equipment

Inputs / Outputs

Carrier

Equipment monitoring needed

Generate equipment status data

Report on equipment status

Equipment status

Equipment status report

Equipment status report

Equipment monitoring concluded

Carrier milestones

Third party milestones
Business Process 3.4: Submit customs manifest

1. Submission of customs manifest needed
2. Compile Bills of Lading Information
3. Generate customs manifest
4. Register response
5. Manifest approved?
   - Yes: Customs manifest approved
   - No: Inform on rejection or customs instructions
6. Resolved before deadline?
   - Yes: Initiate roll over
   - No: Update carrier looking change

Carrier

Carrier milestones:
- Manifest submitted
- Manifest approved
- Vessel departed
- Vessel import documentation cleared
- Vessel arrived
- Vessel export documentation cleared

Third party milestones:
Business Process 3.5. Maintain and communicate arrival and departure times

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

Carrier
- Maintenance and communication of arrival and departure times needed
- Update vessel position
- Verify vessel on schedule
- Vessel off schedule?
- Yes
- No
- Update schedule
- Publish the vessel schedule
- Arrival and departure times maintained and communicated

Carrier milestones

Third party milestones
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 4.2. Issue manifest corrector

Carrier

Booking change after manifest submission

Submit manifest corrector

Register response

Manifest corrector accepted?

Check need for Letter of Indemnity

Letter of Indemnity needed?

Manifest corrector rejection.

Request for Letter of Indemnity

Manifest corrected

Carrier milestones

Third party milestones
Business Process 4.5. Manage vessel reconciliation deviations

Carrier
3.3. Manage vessel reconciliation → Investigate deviation reasons → Initiate correction → 4.1. Manage carrier booking change

Carrier milestones

Third party milestones