

Gate Inspection Checklist for ISO Freight Containers (Port Operations)

Operational Safety · Structural Integrity · Regulatory Compliance

This checklist is designed for the systematic inspection of ISO freight containers before use, handling, stacking, and transportation. It is based on internationally recognized standards (CSC, ISO 6346) and ensures a uniform, audit-proof inspection process.

Inspection Standard

- Aligned with the **Institute of International Container Lessors (IICL)**
- Legal framework: **International Convention for Safe Containers (CSC)**

Container Identification

- Container number complete and legible (ISO 6346)
- Owner code correct
- Container type confirmed (20ft, 40ft, HC, Reefer, Tank, etc.)
- CSC Safety Approval Plate present
- CSC plate legible and valid
- Tare / Payload / Max Gross Weight legible

Assessment

- OK Defect

Structural Main Components

Supporting Parts. Deviations usually lead to the rejection of the container.

1. Corner Castings

Checkpoint	Yes	No	Comment
No cracks, fractures, or deformations	<input type="checkbox"/>	<input type="checkbox"/>	
Lock openings undamaged	<input type="checkbox"/>	<input type="checkbox"/>	
Weld seams complete and intact	<input type="checkbox"/>	<input type="checkbox"/>	
Dimensional tolerances within permissible ISO limits	<input type="checkbox"/>	<input type="checkbox"/>	

2. Corner Posts

Checkpoint	Yes	No	Comment
No dents, kinks, or twists	<input type="checkbox"/>	<input type="checkbox"/>	
Corrosion less than 10% of wall thickness	<input type="checkbox"/>	<input type="checkbox"/>	
Weld joints intact	<input type="checkbox"/>	<input type="checkbox"/>	
No signs of material fatigue	<input type="checkbox"/>	<input type="checkbox"/>	

3. Cross Members

Checkpoint	Yes	No	Comment
No rust-through	<input type="checkbox"/>	<input type="checkbox"/>	
No cracks in weld seams	<input type="checkbox"/>	<input type="checkbox"/>	
No overload deformation	<input type="checkbox"/>	<input type="checkbox"/>	
Connections to side rails intact	<input type="checkbox"/>	<input type="checkbox"/>	

4. Door and End Frames

Checkpoint	Yes	No	Comment
Doors fully functional	<input type="checkbox"/>	<input type="checkbox"/>	
Door seals intact	<input type="checkbox"/>	<input type="checkbox"/>	
Locking mechanisms functioning properly	<input type="checkbox"/>	<input type="checkbox"/>	
Hinges without excessive play	<input type="checkbox"/>	<input type="checkbox"/>	
No light passage when doors are closed	<input type="checkbox"/>	<input type="checkbox"/>	
Locking bars straight, free-moving, and undamaged	<input type="checkbox"/>	<input type="checkbox"/>	

Non-Structural Components

Impact leakage and usability.

5. Roof and Side Walls

Checkpoint	Yes	No	Comment
No large dents or openings	<input type="checkbox"/>	<input type="checkbox"/>	
Weatherproofing intact	<input type="checkbox"/>	<input type="checkbox"/>	
Repairs carried out professionally	<input type="checkbox"/>	<input type="checkbox"/>	
Insulation intact (for refrigerated or specialty containers)	<input type="checkbox"/>	<input type="checkbox"/>	

6. Container Floor

Checkpoint	Yes	No	Comment
No loose or missing floorboards	<input type="checkbox"/>	<input type="checkbox"/>	
No decay or insect infestation	<input type="checkbox"/>	<input type="checkbox"/>	
No rust-through on steel floors	<input type="checkbox"/>	<input type="checkbox"/>	
No chemical contamination	<input type="checkbox"/>	<input type="checkbox"/>	

7. Cargo Securing Systems

Checkpoint	Yes	No	Comment
Sufficient number of tie-down points	<input type="checkbox"/>	<input type="checkbox"/>	
No deformations or cracks	<input type="checkbox"/>	<input type="checkbox"/>	
Load capacity marked	<input type="checkbox"/>	<input type="checkbox"/>	
D-rings and rails operate smoothly	<input type="checkbox"/>	<input type="checkbox"/>	

8. Markings and Documentation

Checkpoint	Yes	No	Comment
CSC safety approval plate present	<input type="checkbox"/>	<input type="checkbox"/>	
CSC data complete and legible	<input type="checkbox"/>	<input type="checkbox"/>	
ISO 6346 marking correct	<input type="checkbox"/>	<input type="checkbox"/>	
Weight information complete	<input type="checkbox"/>	<input type="checkbox"/>	

Final Assessment

- Container fit for sea transport
- Container restricted – repair required
- Container not fit for transport

Action

- Release
- Repair required
- Reject / Hold

Claim-Relevant Documentation

Checkpoint	Yes	No	Comment
Photos of all relevant defects	<input type="checkbox"/>	<input type="checkbox"/>	
Container number visible in photos	<input type="checkbox"/>	<input type="checkbox"/>	
Short damage description	<input type="checkbox"/>	<input type="checkbox"/>	
Date & time recorded	<input type="checkbox"/>	<input type="checkbox"/>	
Location / gate / terminal recorded	<input type="checkbox"/>	<input type="checkbox"/>	
Inspector / organization recorded	<input type="checkbox"/>	<input type="checkbox"/>	

Inspector Approval

Inspector: _____

Date: _____

Signature: _____

Usage Notes

- Any deviation must be documented traceably.
- Non-compliant containers must not be put into service.
- Inspection results must be stored securely in an audit-proof manner.
- This checklist does not replace statutory inspection duties but supports their structured implementation.
- The application is at the user's own risk; national or local regulations remain unaffected.