

TG-06

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TG-06: COA Guidelines for Container Interchange Criteria CIC-2

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This document is intended for qualified industry professionals; persons who have completed appropriate technical and health and safety training.

Users of this document should carry out their own risk assessment and ensure any guidance is fit for their purpose and the container is safe and reliable for transport and in accordance with regulations applicable in the region of use.

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CIC-2: Common interchange criteria

This edition of CIC applies to general purpose dry freight containers. CIC-2 is a revised edition of CIC-1 and includes amendments to harmonize with IICL-6.

CIC-2 provides guidance when assessing “not acceptable condition”. Not acceptable condition should be repaired in accordance with the “action required” column.

Containers should comply with the provisions of The Convention for Safe Containers (CSC) which requires examination of the container in accordance with an approved procedure. Owners might decide to incorporate CIC-2 into their proposed approved procedure. The Administration of the country where the owner of the container is registered should approve the procedure. Ref: CSC Chapter1, Annex 1, Regulation 2

TOP & BOTTOM RAILS	CONDITION	ACTION REQUIRED
All rails, including side rails, headers and sills and welds to corner fittings	Holed, cut, torn or cracked; broken component and/or weld	REPAIR
	Missing or loose parts or fasteners	REPAIR
Top side rails	Any deformation such as bend, bow, dent, etc.	If more than 30 mm (1-3/16 in) deep - REPAIR
Front and rear headers	Any deformation such as bend, bow, dent, etc. EXCEPT on a header extension plate or corner protection plate	If more than 35 mm (1-3/8 in) deep - REPAIR
Bottom side rails, front and door sills	Any deformation such as bend, bow, dent, etc. ON A WEB	If more than 50 mm (2 in) deep - REPAIR
	Any deformation such as bend, bow, dent, etc. ON A FLANGE	If torn, cracked or cut - REPAIR
Door headers, rain gutter or sills	Interference with door closure, securement and/or weather tightness	REPAIR



CORNER POST	CONDITION	ACTION REQUIRED
All corner posts, including J-bars	Holed, cut, torn or cracked broken component and/or weld	REPAIR
	Any deformation, such as bend, bow, dent, etc.	If more than 5mm (3/16") regardless of length or location - REPAIR
	Outward deformation	If more than 5mm (3/16") beyond. The plane of end surfaces or 10mm (3/8") beyond plane of side surfaces of corner fittings REPAIR
Rear corner posts	Any deformation causing interference with door operation, securement or weather tightness	REPAIR
J bars	Any deformation such as bend, bow, dent, etc. Door	Door must be able to open fully (270°). If door operation is impaired – Repair
Corner fittings and weld attachments	Cracked, loose, broken; apertures outside ISO dimensional tolerances	REPAIR

SIDE & FRONT PANELS	CONDITION	ACTION REQUIRED
All side/front panels	Holed, cut, torn or cracked; broken component and/or weld	REPAIR
	Missing or loose parts or fasteners	REPAIR
	Inward deformation, such as bend, bow, dent, etc.	If more than 35mm (1-3/8") measured on an exterior recessed corrugation - REPAIR
Side Panels	Outward deformation, such as bend, bow, dent, etc.	If more than 30mm (1-3/16") measured on an interior recessed corrugation - REPAIR
Front Panels	Outward deformation, such as bend, bow, dent, etc.	If more than 15mm (1-3/16") measured on an inside recessed corrugation - REPAIR
Ventilator covers	Broken, missing, etc.	If cracked or broken in the enclosed baffled area of ventilator REPAIR.
Lashing fittings	Broken parts and/or welds; missing or loose parts or fasteners	REPAIR

DOORS	CONDITION	ACTION REQUIRED
Door assembly, including hardware	Holed, cut, torn or cracked; broken component and/or weld	REPAIR
	Missing or loose parts or fasteners	REPAIR
	Any deformation, such as bend, bow, dent, etc.	If door operation or securement is impaired, REPAIR
	Seized, frozen or stiff	If door operation or securement is impaired, REPAIR
	Not light-tight	REPAIR



Door panels	Any deformation such as bend, bow, dent, etc.	If internal cube intrusion is greater than 35 mm (1-3/8 in), REPAIR
Door gaskets	Loose or missing	REPAIR
	Cut, torn, cracked or burned	If not light-tight or if the outer lips of the top horizontal gaskets are not fully in place and seated against the header - REPAIR

ROOF	CONDITION	ACTION REQUIRED
Roof panels, header extension plates and corner protection plates	Holed, cut, torn or cracked; broken component and/or weld	REPAIR
Corner protection plates and header extension plates	Any deformation, such as bend, bow, dent, etc	If more than 40 mm (1-9/16") below the top surfaces of top side rails REPAIR
All roof panels	Downward deformation such as bend, dent etc.	If more than 40 mm (1-9/16") below top surfaces of top side rails REPAIR
	Upward deformation such as bend, dent etc.	If more than 40 mm (1-9/16") above top surfaces of top side rails REPAIR

FLOOR	CONDITION	ACTION REQUIRED
Floor and centre rail	Holed	REPAIR If light leaks, regardless of diameter of hole
	Broken component and/or weld; missing, loose or protruding fasteners	REPAIR Note: No repair is necessary to cracked or broken welds of the centre spacers if light-tight
Wooden flooring	Delamination or splinters	REPAIR
	Downward deformation such as a bend or bow	If more than 15 mm (9/16 in) measured transversely at the floor screw centre line - REPAIR
	Gouges (regardless of length)	REPAIR If more than 15 mm (9/16 in) deep OR if more than 5 mm (3/16 in) deep and width of more than 150 mm (6 in) of the gouge, REPAIR
	Different heights of surfaces of adjacent planks or panels or between top plates of tunnel and fork pockets and floor boards	REPAIR If difference is more than 10 mm (3/8 in)
Plank flooring	Cracked or split	If light leaks, REPAIR
Threshold plate	Bent upwards	If more than 5 mm (3/16 in), REPAIR

UNDERSTRUCTURE	CONDITION	ACTION REQUIRED
Crossmembers, Forklift pocket components (including straps), Outriggers Gooseneck tunnel components	Holed, cut, torn or cracked; broken component and/or weld	REPAIR
	Missing or loose parts or fasteners	REPAIR
	Downward deformation, such as bend, bow, dent, etc.	If more than 15 mm (9/16 in) from its original position or below the plane of the lower surfaces of the bottom corner fittings - REPAIR
	Any deformation such as bend, bow, dent, etc. ON A WEB	If more than 50 mm (2 in) in any direction, REPAIR
	Any deformation such as bend, bow, dent, etc. ON A BOTTOM FLANGE	If torn, cracked or cut - REPAIR
	Any deformation such as bend, bow, dent, etc. ON A TOP FLANGE	If intrusion into container is more than 50 mm REPAIR
	TOP FLANGE separated from bottom of wood or steel flooring	If separation at point of attachment to floor, measured at the formed edge of the top flange, is more than 10mm (3/8 in), REPAIR
Gooseneck tunnel assembly and forklift pocket top plate	Any deformation such as bend, bow, dent, etc.	If more than 50 mm (2 in) REPAIR

MARKINGS	CONDITION	ACTION REQUIRED
Markings required by regulations /standards	Missing, loose or defaced	REPAIR
Markings required by owner	Missing, loose or defaced	Consult with owner
Marking plates	Loose, broken, missing plate or fasteners; illegible data	REPAIR
CSC Safety approval plate	Periodic examination mark	Examination according to owners approved procedure

ENTIRE CONTAINER	CONDITION	ACTION REQUIRED
Corner fittings and their weld attachments	Cracked, loose, broken; apertures outside ISO dimensional tolerances	REPAIR
Entire container	Any deformation such as bend, bow, dent, etc. that affects ISO required diagonal dimensions between comer fitting apertures	If deformation exceeds ISO tolerances, REPAIR
End frame components (corner posts, doors, headers, sills, corner fittings)	Any deformation such as bend, bow, dent, etc. that affects other ISO required dimensions	If deformation exceeds ISO tolerances plus 5 mm (3/16") on end faces or plus 10 mm (3/8") on side faces, REPAIR
Corrosion	Structurally unsafe	REPAIR Note: only use an approved inspection hammer to investigate corrosion
	Holed	REPAIR
Improper repairs	Structurally safe	NO ACTION
	Structurally unsafe	REPAIR



CLEANING	CONDITION	ACTION REQUIRED
Cleaning	Dangerous goods residue	REMOVE in compliance with health & safety procedures
	Pest infestation	REMOVE in compliance with health & safety procedures
	Contamination or odour that can be transferred	REMOVE
	Foreign material, lashings or dunnage impeding loading of cargo	REMOVE
Surfaces	Glue or tape (Sticky)	REMOVE
	Offensive graffiti or misleading foreign marks	REMOVE
	Hazard placards / labels	REMOVE
Ventilators	Blocked, loose, damaged and not weathertight, missing	REPAIR

Table A

COMPONENTS	CIC + ISO DAMAGE LIMITS
Front and door headers Door assembly	OUTWARDS: Maximum 5 mm (3/16") beyond plane of end surfaces of corner fittings UPWARDS (headers): Maximum 4 mm (5/32") above plane of upper surfaces of top corner fittings
Front and door sills	OUTWARDS: Maximum 5 mm (3/16") beyond plane of end surfaces of corner fittings DOWNWARDS: Not below the plane of the lower surfaces of the bottom corner fittings
Fork-lift pocket strap	DOWNWARDS: Minimum 10 mm (3/8") above plane of the lower surfaces of the bottom corner fittings UPWARDS: See "Fork-lift pocket opening HEIGHT" below
Fork-lift pocket opening	WIDTH: "LOADED" pockets: Minimum 345 mm (13 5/8") EMPTY pockets: Minimum 295 mm (11 5/8 in)
	HEIGHT: "LOADED" pockets: Minimum 105 mm (4 1/8") EMPTY pockets: Minimum 92 mm (3 5/8 in)
Gooseneck tunnel	LENGTH: Minimum 3140 mm (123-7/8"); Maximum 3510 mm (138-1/4")
	WIDTH of tunnel opening X: Minimum 1019 mm (40-1/8"); Maximum 1042 mm (41")
	HEIGHT of tunnel opening B: Minimum 107 mm (4-1/4"); Maximum 130 mm (5-1/8")
Door opening	WIDTH: Minimum 2281 mm (89-13/16')
	HEIGHT: 8' high container: Minimum 2129 mm (83-13/16") 8'6" high container: Minimum 2256 mm (88-13/16") 9'6" high container: Minimum 2560 mm (98-13/16")

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