

Competent authority, for the purpose of VTLs, means the appropriate government agency having jurisdiction over VTL operations in each port of call where such operations are proposed.

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Liftlock means a semi-automatic twistlock or other inter-box connector that is used to couple intermodal containers vertically together so that they may be handled as one unit.

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Vertical tandem lift (VTL) means the operation of lifting two intermodal containers that are coupled together vertically (one on top of the other).

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3. In § 1918.3, revise the first sentence of paragraph (a)(3), revise the second sentence of paragraph (a)(4), and add new paragraph (c) to read as follows:

§ 1918.3 Incorporation by reference.

(a) * * *

(3) The materials listed in paragraphs (b) and (c) of this section are incorporated by reference in the corresponding sections noted as they exist on the date of approval, and a notice of any change in these materials will be published in the **Federal Register**. * * *

(4) * * * The materials are available for purchase at the corresponding addresses of the private standards organizations noted in paragraphs (b) and (c) of this section. * * *

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(c) The following material is available for purchase from the ISO Central

Secretariat, International Organization for Standardization (ISO), 1, rue de Varembeé, Case postale 56 CH-1211 Geneva 20, Switzerland:

(1) ISO 3874, Freight Containers, Amendment 2, Vertical tandem lifting (2002); IBR approved for

§ 1918.85(f)(3)(i).

(2) [Reserved]

4. In § 1918.85, add paragraphs (f)(3), (f)(4), and (f)(5) to read as follows:

§ 1918.85 Containerized cargo operations.

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(f) * * *

(3) *Vertical tandem lifting*. Prior to a vertical tandem lift, the employer shall assure, using the vessel's liftlock certificate(s), that the liftlocks used in a VTL:

(i) Are in compliance with the applicable standards of ISO 3874;

(ii) Have been inspected by a competent person, certificated, and individually tested in accordance with requirements for loose gear in ILO Convention 152 before being used for the first time and after any substantial alteration or repair ("certificated" means that the liftlock is accompanied by a certificate, issued by a recognized body that is approved by the competent authority, to conduct appropriate testing and thorough examination of liftlocks);

(iii) Have been subjected to a thorough examination by a competent person at least once in every 12 months. A thorough examination shall include: a visual exam for obvious structural defects; physical operation to determine

that the lock is fully functional with adequate spring tension on each head or latch; a check for excessive corrosion and deterioration; and immediate removal from service when found to be defective or damaged;

(iv) Are regularly examined, including visual inspection, before each use;

(v) Have been certificated with a Safe Working Load (SWL) for lifting of at least 10,000 kg;

(vi) Have been clearly and durably marked with its SWL for lifting and an identifying number or mark that will enable it to be associated with its test certificate; and

(vii) Locks and releases in an identical direction and manner as all other liftlocks on the vessel. They shall have a "telltale" incorporated in the design that indicates whether the liftlock is locked or unlocked in the corner fittings. This "telltale" shall be visible from deck level.

(4) For the purpose of paragraph (f)(3) of this section, a competent person means a person familiar with the proper maintenance and use of liftlocks by training or experience. Such a person will be able to detect defects or weaknesses and be able to assess their importance in relation to the safe and continued use of the liftlocks.

(5) Manual twistlocks or latchlocks shall not be used as liftlocks.

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