

**NOTES, DEFINITIONS & OTHER EXCERPTS
FROM REGULATIONS**

1. **Part 1915**-subpart "G"-gear & equipment for rigging & materials handling.
1915.115-hoisting & hauling equipment.
(a) **Derrick and crane certification:**
(1) Derricks and cranes which are part of, or regularly placed aboard barges, other vessels, or on wingwalls of floating drydocks, and are used to transfer materials or equipment from or to a vessel or drydock, shall be tested and certificated in accordance with the standards provided in part 1919 of this title by persons accredited for the purpose.
2. **1917.46(a)(1)**
Except as provided in paragraph (a)(1)(viii) of this section 1917.46 every crane manufactured after 10/3/84 shall be fitted w/lid or alternative device.
3. **1917.46 (a)(1)(vi)**
All load indicating devices shall be operative over the full operating radius. Overall accuracy shall be based on actual applied load and not on full scale (full capacity) load.
4. **1917.46(a)(1)(viii) & 1918.74(n)(9)(viii)**
LID requirements do not apply to:
(A) trolley equipped bridge cranes while handling containers or other lifts, under certain conditions
(B) while handling bulk commodities by clamshell, bucket or magnet
(C) hose handled products
(D) when actual gross weight is known
5. **1917.50 (c)(5)(ii)**
For special stevedoring gear that has a Safe Working Load of five short tons or less proofload testing and inspection is required before being taken into use.
6. **1917.50(f)**
Certification procedures shall not be construed as a substitute for, or cause for elimination of, normal operational inspection and maintenance routine throughout the year.
7. **1917.50(g)(2)**
When certificated equipment is out of service for 6 months or more beyond the due date of a certification inspection, an examination equivalent to an initial certification, including unit proof load test, shall be performed before the equipment re-enters service.
8. **1918.3(m)**
For the purpose of 1918.12, "Gear Certification" the term ship's cargo handling gear includes that gear which is a permanent part of the vessel's equipment and which is used for the handling of cargo other than bulk liquids, but does not include gear which is used only for handling or holding hoses, handling ship's stores or handling the gangway, or boom conveyor belt systems for the self-unloading of bulk cargo vessels.
9. **1918.11**
After July 16th 2001, and other than for "public vessels and vessels holding a valid Certificate of Inspection issued by the U.S. Coast Guard pursuant to 46CFR part 91" (as well as U.S. vessels holding valid cargo handling gear certificates issued by ICGB under the accredited authority of U.S. Coast Guard) the testing of a vessel's cargo handling gear shall be completed according to the related provisions of ILO Convention 152 "at least once in every five years" (re: Article 22, paragraph 2) based upon safe working load ratings and test loads in "tonnes" of 1000kgs.
10. **1918.61(f)(2)**
For special stevedoring gear that has a Safe Working Load of five short tons or less proofload testing and inspection is required before being taken into use.
11. **1918.74(a)(9)**
Unless exempted by the provisions of paragraph (a)(9)(viii) of this section 1918.74, every crane used to load or discharge cargo into or out of a vessel shall be fitted w/lid or alternative device.
12. **1919.2 - Definition of terms**
(h) Ton means a ton of 2,240 pounds when applied to vessels' cargo handling gear, and a ton of 2,000 /pounds when applied to shore-based material handling devices or to shore-type cranes permanently mounted aboard barges or other vessels employed in domestic trade and designed on the basis of the 2,000-pound ton. Capacity ratings may be stated in pounds.
13. **1919.28**
(e) In cases where shore-type cranes are mounted permanently aboard barges, the requirements of this Subpart E with respect to unit proof tests and examinations shall not apply and the applicable requirements of Subpart H ("certification of Shore-Based Material Handling Devices") of this part shall be adhered to with respect to unit proof tests and examinations.

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"PROVIDING WORLD-WIDE SERVICE"

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SUMMARIES OF EXCERPTS
FROM
USDL/OSHA REGULATIONS
FOR THE
CERTIFICATION OF
MATERIAL HANDLING DEVICES
ASHORE AND AFLOAT
CFR TITLE 29

PART 1915-SHIPYARDS
PART 1917-MARINE TERMINALS
PART 1918-LONGSHORING
PART 1919-GEAR
CERTIFICATION REGS.

NOTE: This leaflet has been prepared by ICGB to be used only as a guide for interested persons who always must refer to the most current provisions of the herein listed and other pertinent regulations to determine what are those latest and exact provisions.

	SHORE - BASED	
	CRANES	DERRICKS
PROOF LOAD TESTING REQUIREMENTS	<p><u>1917.50(c)(1)</u> - every 4 years</p> <p><u>1919.71(c)</u>-cranes 10% in excess of the load ratings at max. & min. radii</p> <p><u>1919.71(c)</u>-trolley equipped cranes 25% in excess of manufacturer's load rating</p>	<p><u>1917.50(c)(1)</u>-every 4 years</p> <p><u>1919.73</u>-derricks at designed max. & min. boom angles or radii</p> <p>Safe Working Load Proof Load</p> <p>Up to 20 short tons 25% in excess</p> <p>20-50 short tons 5 tons in excess</p> <p>Over 50 short tons 10% in excess</p>
See Notes 6 & 7	See Note 1 and Note 12	See Note 1 and Note 12
ANNUAL INSPECTION REQUIREMENTS	<p><u>1917.50(c)(1)</u>-every year</p> <p><u>1919.72(a)</u>-annually cranes & trolley equipped</p>	<p><u>1917.50(c)(1)</u>-every year</p> <p><u>1919.74</u>-annually in accordance with <u>1919.71(d)</u></p>
See Notes 6 & 7		

(II)

VESSELS CARGO GEAR DERRICKS, WINCHES, CRANES & GEAR ACCESSORY

VESSELS CARGO GEAR BARGE MOUNTED DERRICK and/or CRANES

SHORE TYPE CRANES BARGE MOUNTED (PERMANENTLY)

1919.14(a) before being taken into use. Tested and examined as set forth in subpart "E" of this part

1919.15(a) tested & thoroughly examined every four (4) years

1919.27(a)(Subpart "E") unit proof test winches, derricks, etc

1919.28(a)(Subpart "E") unit proof test cranes & gear accessory

Safe Working Load Proof Load

Up to 20 long tons 25% in excess

20-50 long tons 5 tons in excess

Over 50 long tons 10% in excess

See Note 6 and Note 11

1919.15(d) Form 16-V to be completed

1919.15(a) tested & thoroughly examined every four (4) years

1919.27(a)(Subpart "E") unit of proof test winches, derricks, etc.

1919.28(a)(Subpart "E") unit proof test cranes & gear

Safe Working Load Proof Load

Up to 20 long tons 25% in excess

20-50 long tons 5 tons in excess

Over 50 long tons 10% in excess

See Note 6 and Note 11

1919.71(a)-every 4 years

1919.71(c)-Cranes 10% in excess of the load ratings at max. & min. ratings

1919.71(c)-Trolley equipped cranes 25% in excess of load ratings

1919.15(d) Form 16-V to be completed

See Note 6 and Note 11

1919.15 after being taken into use

1919.15(c) cranes, etc., thoroughly examined every 12 months

1919.15(e) annual inspection or examination

1919.15(b) Derricks, their permanent attachments and any other fixed gear, the dismantling of which is especially difficult, shall be visually inspected every twelve months. In order to facilitate such inspection, all derricks shall be lowered.

See Note 8

(V)

1919.15(d) Form 16-V to be completed

1919.15(e) annual inspection or examination

1919.72(a)-Annually cranes & trolley equipped

1919.15(d) Form 16-V to be completed

See Note 12

BULK CARGO SPOUTS & SUCKERS	VERTICAL POCKET OR BUCKET CONVEYOR (USED WITHIN A MARINE TERMINAL FACILITY)	LOAD & LIMIT DEVICES (ACCURACY CHECKS)
		<p><u>1917.46(a)(1)(ii)</u> accuracy within the range by no more than 5% under-reading nor more than 10% over-reading</p> <p><u>1917.46(a)(1)(iii)</u> accuracy checks shall be performed at the time of every certification survey (see 1917.50)</p> <p><u>1919.71(d)(10)</u> load indicator shall be checked over their full range for accuracy</p> <p>See Note 2, Note 3, Note 4 and Note 11</p>
<p><u>1917.50(c)(2)</u>-every year <u>1919.81(a)</u>-examination with particular attention to the condition of wire rope & accessories</p>	<p><u>1917.50(c)(3)</u>-every year includes all supporting structure, rigging & mechanical components & observation of all steps of operation</p> <p>(IV)</p>	<p><u>1917.46(a)(1)(iii)</u> annual examination required, "and at such additional times as may be recommended by the manufacturer"</p>