



TECHNICAL INFORMATION

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Subject: New SOLAS regulation II-1/3-13 "Lifting appliances and Anchor handling winches" implemented on or after 1 January 2026

1. Background

The purpose of new SOLAS regulation II-1/3-13, adopted by Res.MSC.532(107) in 2023 and coming into force on 1 January 2026, is to enhance the safety of lifting appliances and anchor handling winches on ships by enforcing design, construction, operation and maintenance requirements in accordance with MSC.1/Circ. 1662 and MSC.1/Circ.1663, with the aim of preventing accidents that could harm operators, damage ships, or result in cargo loss.



2. Definitions

2.1 Lifting appliances¹ means any load-handling ship's equipment used as:

- cargo loading, transfer or discharge;
- raising and lowering hold hatch covers or moveable bulkheads;

¹ Notwithstanding the above, this regulation does not apply to:

- Lifting appliances on ships certified as MODUs;
- Lifting appliances used on offshore construction ships, such as pipe/cable laying/repair or offshore installation vessels, including ships for decommissioning work, which comply with standards acceptable to the Administration;
- Integrated mechanical equipment for opening and closing hold hatch covers; and
- Life-saving launching appliances complying with the International Life-Saving Appliances (LSA) Code.

- engine-room cranes;
- stores and provisions cranes;
- hose handling cranes;
- launch and recovery of tender boats² and similar applications; and
- personnel handling cranes.

2.2 Competent person means a person possessing the knowledge and experience required for the performance of duties specified in these Guidelines and acceptable as such to the Administration. (a class surveyor or other entities approved by the Administrations)

2.3 Thorough examination means a detailed assessment carried out by a competent person in order to determine whether or not the lifting appliances or loose gears is in compliance with the applicable requirements of the Administration.

2.4 Load test means a test in excess of the SWL, carried out in the presence of a competent person in order to check the structural integrity of the lifting appliances and its attachment to and adequacy of its supporting structure.

2.5 Safe Working Load (SWL) means the maximum static load at a specified radius which a lifting appliances or item of loose gears is certified to lift for a specified operating condition.

2.6 Register of lifting appliances including loose gears (CG1) means a document that records key information on the lifting appliances registered with KR, including Safe Working Load (SWL), thorough examinations, load tests, and maintenance record in accordance with Part 9 of the classification society rules and MSC.1/Circ.1663.

2.7 Certificate of Load Test and Thorough Examination of lifting appliances (CG2) means a certificate issued to verify the safe usability of the lifting appliances through its design, construction, installation, load test, and thorough examination, in accordance with Part 9, Chapter 2 of the classification rules and MSC.1/Circ.1663."

2.8 Statement of Fact for Load Test and Thorough Examination of lifting appliances (SOF) means a factual statement confirming the safe use of lifting appliances installed before 1 January 2026, which do not possess a valid certificate (e.g., CG2), based on a load test and thorough examination carried out in the presence of a competent person in accordance with KR Rule Part 9, Chapter 2 and MSC.1/Circ.1663 Table 1.

² Tender boat means a boat used to transport passengers or crew between the ship and shore, which is not classified as a lifeboat subject to SOLAS Chapter III and the LSA Code.

2.9 Anchor handling winch means any winch used for the purpose of deploying, recovering and repositioning anchors and mooring lines of other ships or MODUs in subsea operation (SOLAS II-1/3.2.31) (it does not mean the traditional anchor windlass onboard for ship's own anchors)

3. Applicability and Requirements

3.1 Lifting appliances and loose gears

Unless the flag Administration explicitly excludes lifting appliances with a SWL below 1,000 kg³, they shall be subject to the new SOLAS regulation II-1/3-13.

3.1.1 Lifting appliances installed on or after 1 January 2026⁴

Survey	Regulation
Registration Survey	<ul style="list-style-type: none"> Lifting appliances should be designed, constructed and installed in accordance with the requirements of a classification society or standards acceptable to the Administration. (SOLAS II-1/3-13.2.1, MSC.1/Circ.1663 Para.3.1 and Para.4.1) Lifting appliances should be load tested and thoroughly examined after installation and before being taken into use for the first time and after repairs, modifications or alterations of major character. (SOLAS II-1/3-13.2.1.2, MSC.1/Circ.1663 Para.3.2 and Para.4.2) Lifting appliances should be permanently marked and provided with documentary evidence for the Safe Working Load. (SOLAS II-1/3-13.2.3, MSC.1/Circ.1663 Para.3.4 and Para.4.4)
Certification	<ul style="list-style-type: none"> CG1 and CG2 should be issued after completion of registration survey.
Periodical Survey⁵	<ul style="list-style-type: none"> Lifting appliances should be load retested at least once in every five years. (MSC.1/Circ.1663 Para.3.2.1) Lifting appliances should be subject to thorough examination upon completion of any load test and annually. (MSC.1/Circ.1663 Para.3.2.2 and Para.4.2.2)
Record	<ul style="list-style-type: none"> A record of thorough examination and load testing should be maintained in CG1 together with CG2, and should be available on board. (MSC.1/Circ.1663 Para.3.3 and Para.4.3)

³ In June 2025, KR inquired with flag Administrations, and as a result, Republic of Korea, Liberia, Panama, Marshall Islands, Hong Kong, Malta, and Barbados have decided to apply the regulation to lifting appliances with SWL of 1,000 kg or more.

⁴ The expression "installed on or after 1 January 2026" as provided in regulation 3-13, means:

- .1 An installation on ships with K/L on or after 1 January 2026; or
- .2 An installation with a contractual delivery date on or after 1 January 2026 (In the absence of a contractual delivery date, the actual delivery date)

⁵ The thorough examination and load test of cargo handling appliances shall be scheduled based on the 12-month interval for thorough examination and the 5-year interval for load test, without applying the ± 3 -month window.

3.1.2 Lifting appliances with valid certificate [CG1 and CG2] installed before 1 Jan 2026⁶

Survey	Regulation
Certification	<ul style="list-style-type: none"> Valid CG1 and CG2 issued by KR should be considered compliant with SOLAS regulation II-1/3-13.2.4 Lifting appliances with loose gears should be permanently marked and provided with documentary evidence for the Safe Working Load, no later than the date of the first renewal survey on or after 1 January 2026. (SOLAS II-1/3-13.2.3 & MSC.1/Circ.1663 Para.3.4)
Periodical Survey	<ul style="list-style-type: none"> Lifting appliances should be load tested at least once every five year. (MSC.1/Circ.1663 Para.3.2.1) Lifting appliances should be subject to thorough examination upon completion of any load test and annually. (MSC.1/Circ.1663 Para.3.2.2 and Para.4.2.2)
Record	<ul style="list-style-type: none"> A record of thorough examination and load testing should be maintained in CG1 together with CG2, and should be available on board. (MSC.1/Circ.1663 Para.3.3 and Para.4.3)

3.1.3 Existing lifting appliances with no valid certificates [CG1 and CG2] installed before 1 Jan 2026

Survey	Regulation
Registration Survey	<ul style="list-style-type: none"> Lifting appliances with no valid certificates installed before 1 January 2026 shall be tested and thoroughly examined, no later than the date of the first renewal survey on or after 1 January 2026. (SOLAS II-1/3-13.2.4 & MSC.1/Circ.1663 Para.3.2) Lifting appliances should be permanently marked and provided with documentary evidence for the Safe Working Load. (SOLAS II-1/3-13.2.3, MSC.1/Circ.1663 Para.3.4 and Para.4.4)
Certification	<ul style="list-style-type: none"> CG1 and SOF may be issued after the completion of registration survey no later than the date of the first renewal survey on or after 1 January 2026.
Periodical Survey	<ul style="list-style-type: none"> Lifting appliances should be load retested at least once in every five years. (MSC.1/Circ.1663 Para.3.2.1) Lifting appliances should be subject to thorough examination upon completion of any load test and annually. (MSC.1/Circ.1663 Para.3.2.2 and Para.4.2.2)
Record	<ul style="list-style-type: none"> A record of thorough examination and load test should be registered in the CG1 together with SOF, and should be available on board. (MSC.1/Circ.1663 Para.3.3 and Para.4.3)

⁶ This may also apply to ships whose keels were laid before 1 January 2026, but which are delivered on or after January 1, 2026.

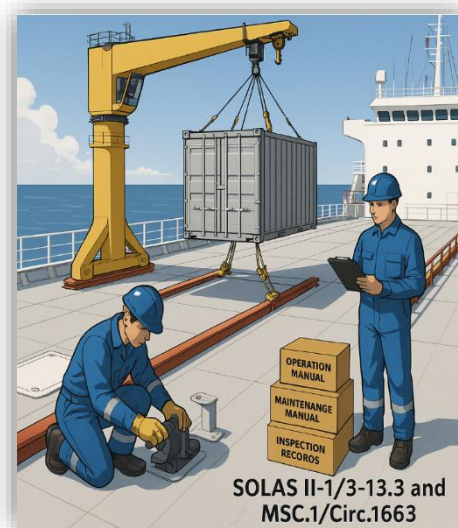
3.2 Anchor handling winches and loose gears

Survey	Applicable requirements
Anchor handling winch installed on or after 1 January 2026	<ul style="list-style-type: none">• To be designed, constructed, installed and tested to the satisfaction of the Administration based on the Guidelines for anchor handling winches (SOLAS II-1/3.2.2)
Anchor handling winch installed before 1 January 2026	<ul style="list-style-type: none">• To be tested and thoroughly examined, based on the Guidelines for anchor handling winches no later than the first renewal survey on or after 1 January 2026. (SOLAS II-1/3-13.2.5)

4. Maintenance, inspection and operational testing for lifting appliances and loose gears

4.1 All lifting appliances, regardless of installation date, and loose gears utilized with any lifting appliances shall be maintained, inspected and operated by a responsible person pointed by master in accordance with the manufacturer's recommendations, industry standards and guidelines or classification society requirements and recommendations acceptable to the Administration. (SOLAS II-1/3-13.3 & MSC.1/Circ.1663 Para 3.5 and 4.6)

4.2 An operation manual, maintenance manual and records of the routine inspection and maintenance of lifting appliances should be maintained and kept on board. (MSC.1/Circ.1663 Para 3.5.2, 3.5.3 and 3.6.2)



5. In the case that the load test and thorough examination of lifting appliances are not completed within the due date.

5.1 If the periodic survey for the lifting appliances is not completed within the due date, the survey status of the lifting appliances will be marked as "overdue".

5.2 The Owner shall submit an application for the occasional survey.

5.3 The attending surveyor shall conduct the occasional survey of the lifting appliances in accordance with MSC.1/Circ.1663 Para 3.2, and record CG1. (In case of conducting a load test, CG2 or SOF shall also be reissued.)

5.4 If the lifting appliances is not to be used, the surveyor could complete the survey without load test and thorough examination after confirming the shipowner's actions as outlined below. In such cases, 'Not to be used' should be noted on the CG1, and an Informative note should be recorded in the survey status. If the lifting appliances requires repair due to damage or malfunction, an Actionable note should be recorded in the survey status instead;

- take the inoperative lifting appliance into account in planning and executing a safe voyage
- Prevent uncontrolled operation of unusable lifting appliances
- Label the unusable lifting appliances with "Not to be used"

5.5 To reuse the lifting appliances mentioned as "Not to be used", the owner may apply for the occasional survey, and after completion of the thorough examination and load test (if required), CG1 shall be updated. And if a load test is conducted. The CG2 or SOF should also be reissued.

5.6 If the survey for lifting appliances is overdue in the survey report, the Cargo Ship Safety Construction Survey or Passenger Ship Survey cannot be completed during the convention survey.

6. Key Points Overview

6.1 Unless otherwise instructed by the Administration (e.g., through its own certification scheme), KR will issue the Register (CG1) and Certificate (CG2) in accordance with the IMO Certification & Survey Scheme, applying SOLAS II-1/3-13 and MSC.1/Circ.1663 to lifting appliances installed on or after 1 January 2026.

6.2 Therefore, for new ships, KR's own certificates(CG2)/register(CG1) scheme, which used to be optionally required under its class rules (i.e., where KR's class notation *LG* is assigned), de facto becomes mandatory to comply with SOLAS II-1/3-13 for ships subject to the Cargo Ship Safety Construction Survey or Passenger Ship Survey on or after 1 January 2026.

6.3 Registers (CG1) and Certificates (CG2) issued under the existing KR's own certificate scheme will be converted and reissued under the IMO Certification & Survey Scheme after completion of the first renewal survey on or after 1 January 2026, without requiring additional survey.

6.4 For existing lifting appliances installed before 1 Jan 2026 without a valid certificate, a factual statement shall be issued no later than the date of the first renewal survey on or after 1 Jan 2026, upon satisfactory completion of verification including load test, thorough examination, SWL marking, etc.

6.5 Unless the flag Administration explicitly excludes lifting appliances with a SWL below 1,000 kg, they shall be subject to the new SOLAS regulation II-1/3-13.

7 Attachment

- SOLAS Regulation II-1/3-13 Lifting appliances and anchor handling winches
- MSC.1/Circ.1662 Guidelines for anchor handling winches
- MSC.1/Circ.1663 Guidelines for lifting appliances

[End]

* Distributions: All surveyors, Ship owners/operators, Shipyards, etc.

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