



# RAYAH MARITIME SERVICES GROUP (RMSG)

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**Subject:** AMENDMENTS ON THE CARRIAGE REQUIREMENTS FOR SHIPBORN NAVIGATIONAL SYSTEMS AND EQUIPMENT

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Dear Sirs,

Regulation 19 of the revised SOLAS Chapter V – Safety of Navigation which came into force on January 1, 2009, places restrictions on the carriage requirements for ship borne navigational systems and equipment.

This regulations discusses that all ships, irrespective of size shall have the following:

- Standard magnetic compass, or other means, independent of any power supply;
- A pylon or compass bearing device, or other means, independent of any power supply;
- Means of correction heading and bearings to true at all times;
- Nautical charts and nautical publications;
- Back-up arrangements to meet the functional requirements of nautical charts and publications;
- A receiver for a global navigation satellite system or a terrestrial radio navigation system, or other means;
- If less than 150 gross tonnage and if practicable, a radar reflector, or other means;
- When the ship's bridge is totally enclosed and unless the Administration determines otherwise, a sound reception system, or other means;
- A telephone or other means.

Furthermore, all ships of 150 gross tonnages and upwards and passenger ships irrespective of size shall, in addition to the above requirements be fitted with:

- A spare magnetic compass, interchangeable;
- Daylight signaling or other means.

Lastly, additional requirements apply for the following types of ships:

- All ships of 300 gross tonnage and upwards and all passenger ships irrespective of size;
- All ships of 300 gross tonnage and upwards engaged on international voyages and cargo ships of 500 gross tonnage and upwards not engaged on international voyages and passenger ships irrespective of size;
- All ships of 500 gross tonnage and upwards;
- All ships of 3,000 gross tonnage and upwards;
- All ships of 10,000 gross tonnage and upwards;
- All ships of 50,000 gross tonnage and upwards.



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According to Resolution MSC.282(86) adopted June 5, 2009, the existing subparagraph.4 of paragraph2.1 is replaced by the following:

“4 nautical charts and nautical publications to plan and display the ship’s route for the intended voyage and to plot and monitor positions throughout the voyage. An electronic chart display and information system (ECDIS) is also accepted as meeting the chart carriage requirements of this subparagraph. Ships to which paragraph 2.10 applies shall comply with the carriage requirements for ECDIS detailed therein;”

Moreover, according to Resolution MSC.282(86) adopted June 5, 2009, the new subparagraphs .3 and .4, in paragraph 2.2, are added after the existing subparagraph. 2 as follows:

“.3 a bilge navigational watch alarm system (BNWAS), as follows:

- .1 cargo ships of 150 gross tonnage and upwards and passenger ships irrespective of size constructed on or after 1 July 2011;
- .2 passenger ships irrespective of size constructed before 1 July 2011, not later than the first survey 1 after 1 July 2012;
- .3 cargo ships of 3,000 gross tonnage and upwards constructed before 1 July 2011, no later than the first survey after 1 July 2012;
- .4 cargo ships of 500 gross tonnage and upwards but less than 3,000 gross tonnage constructed before 1 July 2011, not later than the first survey after 1 July 2013; and
- .5 Cargo ships of 150 gross tonnage and upwards but less than 500 gross tonnage constructed before 1 July 2011, not later than the first survey after 1 July 2014.

The bridge navigational watch alarm system shall be in operation whenever the ship is underway at sea;

.4 a bridge navigational watch alarm system (BNWAS) installed prior to 1 July 2011 may be subsequently be exempted from full compliance with the standards adopted by the Organization, at the discretion of the Administration.”

Nevertheless, according to Resolution MSC.282(86) adopted June 5, 2009, after the existing paragraph 2.9, the new paragraphs 2.10 and 2.11 are added as follows:

“2.10 Ships engaged on international voyages shall be fitted with an Electronic Chart Display and Information System (ECDIS) as follows:

- .1 passenger ships of 500 gross tonnage and upwards constructed on or after 1 July 2012;
- .2 tankers of 3,000 gross tonnage and upwards constructed on or after 1 July 2012;
- .3 cargo ships, other than tankers, of 10,000 gross tonnage and upwards constructed on or after 1 July, 2013;
- .4 cargo ships, other than tankers, of 3,000 gross tonnage and upwards but less than 10,000 gross tonnage constructed on or after 1 July 2014;
- .5 passenger ships of 500 gross tonnage and upwards constructed before 1 July 2012, not later than the first survey<sup>2</sup> on or after 1 July 2014;
- .6 tankers of 3,000 gross tonnage and upwards constructed before 1 July 2012, not later than the first survey on or after 1 July 2015;

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1 Refer to the Unified interpretation of the term “first survey” referred to in SOLAS regulations (MSC.1/Circ.1290)

2 Refer to the Unified interpretation of the term “first survey” referred to in SOLAS regulations (MSC.1/Circ.1290)



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- .7 cargo ships, other than tankers, of 50,000 gross tonnage and upwards constructed before 1 July 2013, not later than the first survey on or after 1 July 2016;
- .8 cargo ships, other than tankers, of 20,000 gross tonnage and upwards but less than 50,000 gross tonnage constructed before 1 July 2013, not later than the first survey on or after 1 July 2017; and
- .9 cargo ships, other than tankers, of 10,000 gross tonnage and upwards but less than 20,000 gross tonnage constructed before 1 July 2013, not later than the first survey on or after 1 July 2018.

2.11 Administrations may exempt ships from the application of the requirements of paragraph 2.10 when such ships will be taken permanently out of service within two years after the implementation date specified in subparagraphs .5 to .9 of paragraph 2.10”

Lastly, according to Resolution MSC.282(86) adopted June 5, 2009, in the existing footnote to paragraph 2/regulation 18, the following reference is added after the last reference:

“Performance standards for a bridge navigational watch alarm system (BNWAS) (resolution MSC.128(75))”

These amendments to statutory instrument are *retroactive and apply for all types of ships (new and existing ships)*.

### Summary

Convention	Ref.	Entry into force	New Ship	Existing	Type of ship	Summary	Origin	Comments
SOLAS	V/19	01/01/2011	X	X	All	Ships on international voyages shall be fitted with ECDIS, applicability depending on ate of built and tonnage -passenger ships > 500 gt constructed on or after 1 July 2012; -tankers > 3,000 gt constructed on or after 1 July 2012; -cargo ships, other than tankers > 10,000 gt constructed on or after 1 July 2013; -cargo ships, other than tankers > 3,000 gt but < 10,000 gt constructed on or after 1 July 2014; -passenger ships > 500 gt constructed before 1 July 2012, not later than the first survey on or after 1 July 2014; -tankers > 3,000 gt constructed before 1 July 2012, not later than the first	MSC.282(86)	Retroactive



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						<p>survey on or after 1 July 2015;</p> <p>-cargo ships, other than tankers &gt; 50,000 gt constructed before 1 July 2013, not later than the first survey on or after 1 July 2016;</p> <p>-cargo ships, other than tankers &gt; 20,000 gt but &lt; 50,000 gt constructed before 1 July 2013, not later than the first survey on or after 1 July 2017;</p> <p>-cargo ships, other than tankers &gt; 10,000 gt but &lt; 20,000 gt constructed before 1 July 2013, not later than the first survey on or after 1 July 2018.</p>		
SOLAS	V/19	01/01/2011	X	X	All	<p>Ships shall be fitted with a bridge navigational watch alarm system (BNWAS) is required as follows,</p> <p>-cargo ships &gt; 150 gt and passenger ships irrespective of size constructed on or after 1 July 2011;</p> <p>-passenger ships irrespective of size constructed before 1 July 2011, not later than the first survey after 1 July 2012;</p> <p>-cargo ships &gt; 3,000 gt constructed before 1 July 2011, not later than the first survey after 1 July 2012;</p> <p>-cargo ships &gt; 500 gt but &lt; 3,000 gt constructed before 1 July 2011, not later than the first survey after 1 July 2013;and</p> <p>-cargo ships &gt; 150 gt but &lt; 500 gt constructed before 1 July 2011, not later than the first survey after 1 July 2014.</p>	MSC.282(86)	Retroactive

Background Information

1. SOLAS (2009), “*SOLAS consolidated edition 2009 of the International Convention for Safety of Life at Sea, 1974, and its Protocol of 1978: articles, annex and certificates*”. International Maritime Organization Publications, 2009, ISBN 978-92-801-1505-5



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2. IMO (2009), “Resolution MSC.282 (86), Adoption of Amendments to the International Convention for Safety of Life at Sea, 1974, as amended”. International Maritime Organization, 2009

Best regards

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