

## MIN 390 (M)

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# Navigation Safety: Electronic Chart Display and Information System (ECDIS) and Bridge Navigational Watch Alarm System (BNWAS) - Early Notification of Changes Arising out of Amendments to SOLAS V/Reg 19

Notice to all Ship Owners, Operators and Masters

*This MIN expires 31 May 2011*

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### Summary

- Amendments to Chapter V of SOLAS have been adopted by the International Maritime Organization and are expected to enter into force internationally on 01 January 2011.
- MSC Resolution MSC.282 (86) covers the phased-in carriage requirements for bridge navigational watch alarm system (BNWAS) and Electronic Chart Display and Information System (ECDIS).
- The details are simplified in the tables at Annexes 1 and 2.
- An updated version of "Safety of Navigation – Implementing SOLAS Chapter V 2002 will be produced in due course.

### 1. Introduction/ Background

1.1 Chapter V of the Safety of Life at Sea (SOLAS) Convention is given legal effect in UK legislation by the Merchant Shipping (Safety of Navigation) Regulations 2002 (SI 2002 No.1473).

1.2 The amendments in this notice relate to changes to Chapter V of SOLAS which were adopted by the IMO Maritime Safety Committee at its 86th session, and will enter into force on 1 January 2011.

### 2. Revised Carriage Requirements:

2.1 Amendments to SOLAS Chapter V, arising from Resolution MSC.282(86) which was adopted on 05 June 2009 and resulted in revisions to Regulation 19.2 are as follows:

#### 2.2 Regulation 19 – Carriage requirements for shipborne navigational systems and equipment

In paragraph 2.1, the existing subparagraph .4 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 requirement of this subparagraph. Ships to which paragraph 2.10 applies shall comply with the carriage requirements for ECDIS detailed therein;”*

*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\* 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;*
- .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 Administration 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 2.10.5 to 2.10.9 of paragraph 2.10.”*

*2.3 In paragraph 2.2, the new subparagraphs .3 and .4 are added after the existing subparagraph .2 as follows:*

*“3 a bridge 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\* after 1 July 2012;*

- .3 *cargo ships of 3,000 gross tonnage and upwards constructed before 1 July 2011, not 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 subsequently be exempted from full compliance with the standards adopted by the organization, at the discretion of the Administration.”*

### **3. MCA Publication Guide**

3.1 These amendments will be included into a revised edition of the Maritime and Coastguard Agency (MCA) publication “Safety of Navigation – Implementing SOLAS Chapter V, 2002”. Tables in Annex 1 and Annex 2 are provided to simplify the contents of IMO Resolution MSC. 282(86).

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Table -1 Electronic Chart Display and Information System (ECDIS) Implementation Dates

<b>Para Graph</b>	<b>Implementation Date</b>	<b>Ship Type</b>	<b>Gross Tonnage</b>	<b>Year of Build</b>
	<b><i>New Ships</i></b>			
2.10.1	On or after 1 <sup>st</sup> July 2012	Passenger Ships	500 gt and upwards	On or after 1 <sup>st</sup> July 2012
2.10.2	1 <sup>st</sup> July 2012	Tankers	3,000 gt and upwards	On or after 1 <sup>st</sup> July 2012
2.10.3	1 <sup>st</sup> July 2013	Cargo Ships	10,000 gt and upwards	On or after 1 <sup>st</sup> July 2013
2.10.4	1 <sup>st</sup> July 2014	Cargo Ships	3,000gt to 10,000 gt	On or after 1 <sup>st</sup> July 2014
	<b><i>Existing Ships</i></b>			
2.10.5	Not later than 1 <sup>st</sup> survey* on or after 1 <sup>st</sup> July 2014	Passenger Ships	500 gt and upwards	Before 1 <sup>st</sup> July 2012
2.10.6	Not later than 1 <sup>st</sup> survey* on or after 1 <sup>st</sup> July 2015	Tankers	3,000 gt and upwards	Before 1 <sup>st</sup> July 2012
2.10.7	Not later than 1 <sup>st</sup> survey* on or after 1 <sup>st</sup> July 2016	Cargo Ships	50,000gt and upwards	Before 1 <sup>st</sup> July 2013
2.10.8	Not later than 1 <sup>st</sup> survey* on or after 1 <sup>st</sup> July 2017	Cargo Ships	20,000gt to 50,000gt	Before 1 <sup>st</sup> July 2013
2.10.9	Not later than 1 <sup>st</sup> survey* on or after 1 <sup>st</sup> July 2018	Cargo Ships	10,000gt to 20,000gt	Before 1 <sup>st</sup> July 2013

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

Table -2 Bridge Navigational Watch Alarm System (BNWAS) Implementation Dates

<b>Para Graph</b>	<b>Implementation Date</b>	<b>Ship Type</b>	<b>Gross Tonnage</b>	<b>Year of Build</b>
	<b><i>New Ships</i></b>			
2.3.1	1 <sup>st</sup> July 2011	Passenger Ships	All	On or after 1 <sup>st</sup> July 2011
2.3.1	1 <sup>st</sup> July 2011	Ships	150gt and upwards	On or after 1 <sup>st</sup> July 2011
	<b><i>Existing Ships</i></b>			
2.3.2	Not later than 1 <sup>st</sup> survey* on or after 1 <sup>st</sup> July 2012	Passenger Ships	All	Before 1 <sup>st</sup> July 2011
2.3.3	Not later than 1 <sup>st</sup> survey* on or after 1 <sup>st</sup> July 2012	Ships	3,000gt and upwards	Before 1 <sup>st</sup> July 2011
2.3.4	Not later than 1 <sup>st</sup> survey* on or after 1 <sup>st</sup> July 2013	Ships	500gt to 3,000gt	Before 1 <sup>st</sup> July 2011
2.3.5	Not later than 1 <sup>st</sup> survey* on or after 1 <sup>st</sup> July 2014	Ships	150gt to 500gt	Before 1 <sup>st</sup> July 2011

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