

# Department of Economic Development Isle of Man Ship Registry Consultation: Proposed update to legislation implementing SOLAS III

## Life-saving appliances and arrangements

This consultation paper sets out the Isle of Man Government's proposals to make new Regulations to give effect to the latest version of Chapter III of the International Convention for the Safety of Life at Sea 1974 (SOLAS).

The Regulations give effect to SOLAS Chapter III up to and including amendments adopted by IMO Resolution MSC.350(92).

We would be grateful for any comments on the proposed implementation of SOLAS as detailed in this consultation paper (preferably by email) to:

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This consultation will close at 5.00pm on 24<sup>th</sup> February 2017.

# **SECTION 1**

# **Overview of the draft SOLAS Chapter III Regulations**

# 1. Introduction

SOLAS Chapter III contains the requirements for life-saving appliances and arrangements. This includes requirements for lifeboats, rescue boats and lifejackets according to the type of ship the equipment is fitted on. Specific technical requirements for life-saving appliances are contained in the International Life-Saving Appliance (LSA) Code which is mandatory in accordance with SOLAS Chapter III.

The Isle of Man Ship Registry intends to write new Regulations "the Regulations" in order to enact the latest version of SOLAS Chapter III and the LSA Code. The intention is for the Regulations to follow the SOLAS requirements and where interpretation is required this is included in the Annex to this Consultation.

In this Consultation reference to the "latest version of SOLAS Chapter III" means all of the amendments made to that Chapter up to and including the amendments contained in IMO Resolution MSC.350(92).

## 2. Application

The Regulations will apply to a Manx ship which engages on international voyages wherever it may be except for:

- (a) high-speed craft;
- (b) commercial yachts which comply with the Large Commercial Yacht Code (LY1, LY2 or LY3);
- (c) MODUs;
- (d) pleasure vessels;
- (e) fishing vessels;
- (f) ships of war or troopships;
- (g) ships not propelled by mechanical means; and
- (h) wooden ships of primitive build.

The Regulations will also apply to all foreign ships which engage on international voyages whilst they are within the territorial waters of the Island except for those listed in paragraphs (a) to (h).

The main provisions of the new Regulations are:

## 3. Requirement to comply with SOLAS Chapter III

**3.1** A Manx ship must comply with the requirements of SOLAS Chapter III as apply in relation to a ship of its description.

- a. A ship constructed **on or before 30 June 1986** must comply with:
  - SOLAS Chapter III including all amendments up to and including those adopted by IMO Resolution MSC.1(XLV) on 20 November 1981 which came in to force on 1 September 1984; and

- the regulations of the latest version of SOLAS Chapter III as prescribed in 3.2 & 3.3 below.
- b. A ship constructed on or after 1 July 1986 up to and including 30 June 1998:
  - Chapter III of SOLAS including all amendments made to that Chapter up to and including those adopted by IMO Resolution MSC.27(61) on 11 December 1992 which came into force on 1 October 1994; and
  - the regulations of the latest version of SOLAS Chapter III as prescribed in 3.2 & 3.3 below.
- c. A ship constructed **on or after 1 July 1998** must comply with:
  - Chapter III of SOLAS including all amendments made to that Chapter up to and including those adopted by IMO Resolution MSC.350(92) which entered into force on 01 January 2015.

## 3.2 Ships constructed on or before 30 June 1998 must also:

Ensure that when LSA or arrangements on such ships are replaced or such ships undergo repairs, alterations or modifications of a major character which involve replacement of or any addition to, their existing LSA or arrangements, such LSA or arrangements, in so far as is reasonable and practicable, comply with the latest requirements of SOLAS III. However, if a survival craft other than an inflatable liferaft is replaced without replacing its launching appliance, or vice versa, the survival craft or launching appliance may be of the same type as that replaced.

#### 3.3 All ships must also:

Comply with the following Regulations from the latest version of SOLAS Chapter III (where relevant to a ship of its description):

- a. Regulation 1.5 Application (lifeboat on-load release mechanism);
- b. Regulation 6.2 Radio life-saving appliances;
- c. Regulation 7 Personal life-saving appliances regarding infant and adult lifejackets;
- d. Regulation 8 Muster list and emergency instructions;
- e. Regulation 9 Operating instructions;
- f. Regulation 17-1 Recovery of persons from water;
- g. Regulation 19 Emergency training and drills;
- h. Regulation 20 Operational readiness, maintenance and inspections;
- i. Regulation 26 Additional requirements for ro-ro passenger ships regarding fast rescue boats;
- j. Regulation 28 Helicopter landing and pick-up areas;
- k. Regulation 30 Drills;
- I. Regulation 31.2 Survival craft and rescue boats;
- m. Regulation 32.2 Life jacket lights;
- n. Regulation 32.3 Immersion suits; and
- o. Regulation 35 Training manual and on board training aids.

#### 4. Requirement to comply with the International Life-Saving Appliance Code

Regulation 34 of SOLAS Chapter III requires all life-saving appliances and arrangements to comply with the International Life-Saving Appliance Code or "LSA Code".

The LSA Code was adopted on 4 June 1996 by resolution MSC.48(66) and came into force on 1 July 1998. The Regulations will require ships to comply with the LSA Code including all amendments to that Code up to and including those adopted by IMO Resolution MSC.368(93).

#### 5. Approvals, type approvals, equivalent arrangements, exemptions and waivers

There are various circumstances in SOLAS Chapter III where approval or type approval is required and certain situations where equivalent arrangements, exemptions and waivers may be granted.

#### a. <u>Approvals</u>

Where SOLAS Chapter III, or any part of the LSA Code, requires anything to be approved by the Administration, it must be approved by the Ship Registry or a Recognised Organisation.

#### <u>Testing</u>

Before life-saving appliances are approved they must be tested, to confirm that they comply with the requirements of SOLAS III and the LSA Code as follows:

- a. in accordance with the recommendation on testing of life-saving appliances adopted by IMO Resolution A.689(17). For life-saving appliances installed on board on or after 01 July 1999, refer to the Revised recommendations on testing of life-saving appliances adopted by the Maritime Safety Committee of the Organization by Resolution MSC.81(70); or
- b. have successfully undergone, to the satisfaction of the Administration or a Recognised Organisation, tests which are substantially equivalent to those specified in paragraph (a).

NOTE - Life-saving appliances which:

- have been installed onboard on or after 01 July 2010 must meet the applicable requirements of MSC.81(70) or an equivalent standard; or
- were installed on board before 1 July 2010 may meet the applicable requirements of Resolution A.521(13), previous versions of Resolutions A.689(17), or an equivalent standard and may continue in use on the ship on which they are presently installed, as long as they remain suitable for service.

#### b. <u>Type approvals</u>

All equipment requiring type approval must be accompanied by a type approval certificate issued by -

- a Recognised Organisation listed in MSN 20; or
- a Recognised Organisation on behalf of a national Administration; or
- the Ship Registry.

If the equipment has been issued with a type approval certificate by another organisation it may only be used or fitted with the consent of the Ship Registry.

Equipment which has been certified under the Marine Equipment Directive (MED) is acceptable to be used on Isle of Man registered vessels, although it is not a mandatory requirement that equipment has been certified under the MED.

Except when it is a Convention requirement, individual test certificates are not required in addition to the type approval certificate.

#### c. Equivalent arrangements, exemptions and waivers

The Ship Registry may permit equivalent arrangements, exemptions and waivers on a case by case basis and they will only be valid if they are in writing and if any conditions stated are complied with.

#### 6. Foreign ships

A foreign ship in the territorial waters of the Island, must comply with such of the requirements of SOLAS Chapter III, as apply in relation to a ship of its description.

A foreign ship in a port of the Island may be subject to inspection.

If an inspector carries out an inspection on a foreign ship in a port of the Island, and certificates required by regulation 12 or 13 of SOLAS Chapter I are not produced, have expired or ceased to be valid, the ship may be detained.

A foreign ship may also be detained if the inspector has clear grounds for believing that the condition of the ship or its equipment does not correspond substantially with the particulars of the certificate or the ship and its equipment are not in compliance with the provisions of SOLAS Chapter I Regulation 11(a) and (b).

## 7. Company's responsibility

It is the responsibility of the Company to ensure a ship complies with the requirements of the Regulations.

A 'Company' means "the owner of a ship to which the Regulations apply or any other organisation or person such as the manager, or the bareboat charterer, who has assumed responsibility for operation of the ship from the owner and who, on assuming such responsibility, has agreed to take over all the duties and responsibilities imposed on the Company by the SOLAS Convention.

## 8. Offences and penalties

The Regulations contain provisions relating to offences and penalties for noncompliance.

A company which fails to comply with the regulations commits an offence and is liable on conviction on information to custody for not more than 2 years, a fine, or both; and on summary conviction to a fine not exceeding  $\pounds$ 5,000.

It is a defence for a person charged under the Regulations to show that he or she took all reasonable steps to avoid the commission of the offence.

## Annex

# **Interpretation of SOLAS Chapter III requirements**

SOLAS Chapter III requires the ship's Flag Administration to determine how a ship must implement certain requirements. Where SOLAS III requires a decision to be made by the Ship Registry, and an interpretation has been made or permission has been given, this is stated in the table below.

\*References to SOLAS III page numbers in the Annex are from SOLAS consolidated edition 2014. The Regulations have only been summarised and the SOLAS text should be referred to for the full regulation.

SOLAS consolidated edition 2014 Regulation*	Summary of the SOLAS Chapter III Regulations	IOM Ship Registry's requirements
REG 1.5 Page 231	Lifeboat on-load release mechanism Not later than the first scheduled dry-docking after 1 July 2014, but not later than 1 July 2019, lifeboat on-load release mechanisms not complying with paragraphs 4.4.7.6.4 to 4.4.7.6.6 of the Code shall be replaced with equipment that complies with the Code. Refer to MSC.1/Circ.1392.	<ul> <li>The Ship Registry strongly recommends the use of fall preventer devices (FPDs).</li> <li>The definition of FPDs is stated in MSC.1/Circ.1466.</li> <li>If FPDs are fitted they must be fitted in accordance with MSC.1/Circ.1327 and employed for each existing lifeboat release and retrieval system, until the system is: <ul> <li>evaluated and found to be in compliance with MSC.1/Circ.1392; or</li> <li>modified then evaluated and found to be in compliance with MSC.1/Circ.1392; or</li> <li>replaced by a new lifeboat release and retrieval system.</li> </ul> </li> <li>The use of FPDs must be documented in the ship's safety management system and onboard training manual.</li> <li>The arrangements and any necessary modifications to the existing equipment are to be approved by Class</li> </ul>
REG 1.5 Page 231	Lifeboat on-load release mechanism (continued) Not later than the first scheduled dry-docking after 1 July 2014, but not later than 1 July 2019, lifeboat on-load release mechanisms not complying with paragraphs 4.4.7.6.4 to 4.4.7.6.6 of the Code shall be replaced with equipment that complies with the Code. Refer to MSC.1/Circ.1392.	<ul> <li>Recognised Organisations are fully authorised to conduct the following work on behalf of the Ship Registry.</li> <li>Replacement of Lifeboat Release and Retrieval Systems (RRS), not meeting SOLAS III/1.5, in accordance with MSC.1/1392 Paragraphs 18-26 including: <ol> <li>Review and approval of replacement Lifeboat RRS (MSC.1Circ.1392 Paragraph 20)</li> <li>Discretion to decide if the hook fixed structural connections need not be replaced (MSC.1Circ.1392 Paragraph 21)</li> </ol> </li> </ul>

		iii Witnessing the installation
		iii. Witnessing the installation
		(MSC.1Circ.1392 Paragraph 23)
		iv. Witnessing the post installation testing
		(MSC.1Circ.1392 Paragraph 25) - For
		compliance with MSC.1/Circ.1392 the
		Ship Registry accepts simulation of the 5 knot test by means of lowering into
		an approximate 5 knot tidal stream or
		lowering into the wake of a tug. but
		also to simulate as best as possible
		what that would be like if the lifeboat
		was used in an emergency.
		v. Issuing the Statement of Acceptance
		as per MSC.1/Circ.1392 Appendix 4
		(MSC.1/Circ. 1392 Paragraph 26)
		It is the Ship Registry's interpretation of the
		LSA code that this is also applicable to Rescue
		Boats and as such if a hook on a rescue boat
		is an on-load release mechanism the same
		procedures must be followed. As III/1.5 and
		Circ.1392 do not refer to rescue boats a hook
		replacement should be made if the
		arrangement is patently unsafe.
REG 6.5.2	Public address system	The Public Address system must meet the
Page 236	The public address system shall be	unified interpretation in MSC.1/Circ.1530.
	clearly audible above the ambient	
	noise in all spaces, prescribed by	
	paragraph 7.2.2.1 of the Code, and shall be provided with an override	
	function controlled from one	
	location on the navigation bridge	
	and such other places on board as	
	the Administration deems	
	necessary, so that all emergency	
	messages will be broadcast if any	
	loudspeaker in the spaces	
	concerned has been switched off,	
	its volume has been turned down	
	or the public address system is	
	used for other purposes.	
REG 6.5.3.2	Public address system	
Page 236	The public address system and its	The approvals will be delegated to Recognised
	performance standards shall be	Organisations and carried out in accordance
	approved by the Administration	with MSC/Circ.808.
	having regard to the	
	recommendations adopted by the	
	Organization.	
REG 7.2.1.5	Adult lifejackets	'Sufficient' is defined as meaning that all
REG 7.2.1.5 Page 237		'Sufficient' is defined as meaning that all persons on board should have a lifejacket that fits their weight and size.

	in the second state of the	
	weighing up to 140 kg and with a	
	chest girth of up to 1,750 mm, a	
	sufficient number of suitable	
	accessories shall be available on	
	board to allow them to be secured	
	to such persons.	
REG 7.2.2	<u>Lifejackets</u>	This would be determined by the Ship Registry
Page 237	Lifejackets shall be so placed as to	on a case by case basis.
	be readily accessible and their	
	position shall be plainly indicated.	
	Where, due to the particular	
	arrangements of the ship, the	
	lifejackets provided in compliance	
	with the requirements of	
	paragraph 2.1 may become	
	inaccessible, alternative provisions	
	shall be made to the satisfaction of	
	the Administration which may	
	include an increase in the number	
	of lifejackets to be carried.	
REG 7.3	Immersion suits (rescue boats and	The Ship Registry defines warm climates as
Page 238	MES)	being between 30 degrees North/South.
	An immersion suit, complying with	Where ships are operating exclusively in this
	the requirements of section 2.3 of	zone, the Ship Registry will consider waiving
	the Code or an anti-exposure suit	the requirement in Reg 7.3.
	complying with section 2.4 of the	
	Code, of an appropriate size, shall	Where immersion suits are not carried we
	be provided for every person	recommend ships carry anti-exposure suits or
	assigned to crew the rescue boat	thermal protective life jackets, taking into
	or assigned to the marine	account the information in MSC/Circ.1046.
	evacuation system party. If the	
	ship is constantly engaged in warm	
	climates* where, in the opinion of	
	the Administration thermal	
	protection is unnecessary, this	
	protective clothing need not be	
	carried.	
REG 22.4	Immersion suits on passenger	
Page 251	ships	
_	If the ship is constantly engaged	
	on voyages in warm climates	
	where, in the opinion of the	
	Administration, they are	
	unnecessary.	
REG 32.3.2	Immersion suits	
Page 257	An immersion suit of an	
-	appropriate size, complying with	
	the requirements of section 2.3 of	
	the Code shall be provided for	
	every person on board the ship.	
	However, for ships other than bulk	
	carriers, as defined in regulation	
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REG 32.3.3 Page 258	IX/1, these immersion suits need not be required if the ship is constantly engaged on voyages in warm climates* where, in the opinion of the Administration, immersion suits are unnecessary. <u>Immersion suits</u> If a ship has any watch or work stations which are located remotely from the place or places where immersion suits are normally stowed, including remotely located survival craft carried in accordance with regulation 31.1.4, additional immersion suits of an appropriate size shall be provided at these	10% additional (minimum 2) immersion suits are required for people working at remote control stations such as the bridge and engine room. Liferafts, if located at the aft/forward end of the ship and at a distance of more than 100m from the closest survival craft should be regarded as "remotely located survival craft" and at least a further 2 additional immersion suits should be provided at this location.
	locations for the number of persons normally on watch or working at those locations at any time.	
REG 20.7 Page 247	Monthly inspections (immersion suits)	<ul> <li>a. Immersion suits and anti-exposure suits must be inspected in accordance with MSC/Circ.1047 and MSC/Circ.1114.</li> <li>b. Immersion suits are now being produced in airtight packaging to reduce degradation. Such immersion suits need not be inspected in accordance with the full requirements of MSC/Circ.1047 but should still be inspected monthly in as much detail as reasonably possible, and in accordance with the manufacturer's instructions, without compromising the air tightness of the packaging. In order to be able to meet this requirement, the air tight packaging or there are any signs of damage the immersion suit must be removed from its packaging and tested in accordance with MSC/Circ.1047. Following this inspection if any defects are found a further 25% of the packaged immersion suits should be removed from their packaging and inspected in accordance with MSC/Circ.1047. If any further defects are found all of the suits must be subjected to a pressure test (in accordance with MSC/Circ.1114) at intervals not exceeding three years, by an authorised service</li> </ul>

REG 8.2 Page 238	Muster list and emergency instructions Clear instructions to be followed in the event of an emergency shall be provided for every person on board. In the case of passenger ships these instructions shall be drawn up in the language or languages required by the ship's flag State and in the English language.	<ul> <li>provider. Immersion suits that are over 10 years old should be serviced annually by an authorised service provider.</li> <li>e. A sufficient number of suits must be kept without airtight packaging for use in drills.</li> <li>For passenger ships the instructions shall be drawn up in English and additionally in any other language that is normally spoken by a majority of the passengers.</li> </ul>
REG 10.4 Page 239	<u>Survival craft</u> A deck officer or certificated person shall be placed in charge of each survival craft to be used. However, the Administration, having due regard to the nature of the voyage, the number of persons on board and the characteristics of the ship, may permit persons practised in the handling and operation of liferafts to be placed in charge of liferafts in lieu of persons qualified as above. A second-in-command shall also be nominated in the case of lifeboats.	For liferafts the Ship Registry may accept a person practised in the handling and operation of liferafts in lieu of a deck officer or certificated person on a case-by-case basis. For passenger ships a. For every lifeboat boarded at the stowed position and capable of release and lowering from inside the boat – 2 certificated persons are required per lifeboat. b. For every lifeboat boarded at the stowed position and capable of being lowered from inside the boat after release externally – 2 certificated persons per lifeboat, plus 1 additional person for every 2 boats. c. For every lifeboat both released and lowered from the ship – 3 certificated persons per lifeboat. d. For each davit launched liferaft – 1 certificated person per liferaft plus 1 additional person for each raft associated with the system. 'Certificated person' means a member of the crew who holds a certificate of proficiency in survival craft and rescue boats (other than fast rescue boats) issued in accordance with the STCW Regulation VI/2.1.
REG 11.7 Page 239	<u>An embarkation ladder</u> complying with the requirements of paragraph 6.1.6 of the Code extending, in a single length, from the deck to the waterline in the lightest seagoing condition under all conditions of trim of up to	This would be determined by the Ship Registry on a case by case basis. Full details of the approved device must be submitted to the Ship Registry.

	109and a list of up to 200 sither	1
	10°and a list of up to 20° either way shall be provided at each	
	embarkation station or at every	
	two adjacent embarkation stations	
	for survival craft launched down	
	the side of the ship. However, the	
	Administration may permit such	
	ladders to be replaced by approved	
	devices to afford access to the	
	survival craft when waterborne,	
	provided that there shall be at	
	least one embarkation ladder on	
	each side of the ship. Other means	
	of embarkation enabling descent to	
	the water in a controlled manner	
	may be permitted for the liferafts	
	required by regulation 31.1.4.	
REG 12	Launching stations	Where required, approval of launching stations
Page 240	Launching stations shall be in such	will be delegated to ROs.
	positions as to ensure safe	
	launching having particular regard	
	to clearance from the propeller and	
	steeply overhanging portions of	
	the hull and so that, as far as	
	possible, survival craft, except	
	survival craft specially designed for	
	free-fall launching, can be	
	launched down the straight side of	
	the ship. If positioned forward, they shall be located abaft the	
	collision bulkhead in a sheltered	
	position and, in this respect; the	
	Administration shall give special	
	consideration to the strength of	
	the launching appliance.	
REG 17.3	Rescue boats	The launching test at 5 knots for lifeboats
Page 242	All rescue boats shall be capable of	required on cargo ships of 20,000GT and
_	being launched, where necessary	above and rescue boats carried on every ship,
	utilizing painters, with the ship	not just in the first series.
	making headway at speeds up to 5	The Ship Registry accepts simulation of the 5
	knows in calm water.	knot test by means of lowering into an
		approximate 5 knot tidal stream or lowering
		into the wake of a tug.
REG 17.5	Rescue boat embarkation and	Lifeboats which are also rescue boats, need
Page 242	recovery arrangements shall allow	not be fitted with recovery strops if a chain or
	for safe and efficient handling of a	wire of adequate strength and flexibility is
	stretcher case. Foul weather	fitted between the lower fall block and the
	recovery strops shall be provided	attachment to the lifting hooks. For this
	for safety if heavy fall blocks	purpose the length of the chain or wire,
	constitute a danger.	including the link for attachment to the lifting
		hook, should be at least 1.25m. In the case of
		recovery strops and hanging off pendants

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		certificates of test should be provided on
		board.
		When considering the strength and the testing
		of the components, the following factors of
		safety should be used:
		Hanging off pendants and davit structure,
		a working load consisting of the weight of
		the rescue boat, equipment and provisions
		plus six (6) persons at 82.5kg
		Hanging off pendants (based upon the
		breaking strength of the wire and recovery
		strops) should have a factor of safety of at
		least 6.
		The hanging off pendant attachments on
		the davit should be designed with a factor
		of safety of at least 4.5. The davit
		structure should also maintain a factor of
		safety of 4.5 when hanging off the working
		load with the ship trimmed up to 10
		degrees and listed up to 20 degrees each
		side. To be tested at weight of fully stored
		boat plus 6 persons at 82.5kg.
		Where the recovery arrangements entail
		disembarkation at a deck level other than the
		embarkation deck, bowsing arrangements
REG 20.3.1	Maintonanco, tosting and	should be provided for both decks.
Page 246	Maintenance, testing and inspections of life-saving	Maintenance, testing and inspections of life- saving appliances should be undertaken in
raye 240	appliances shall be carried out	accordance with MSC/Circ.1206 (Rev 1).
	based on the guidelines developed	
	hy the ()rganization* and in a	Weekly and monthly inspections, and routine
	by the Organization* and in a manner having due regard to	Weekly and monthly inspections, and routine maintenance as defined by the manufacturer
	manner having due regard to	maintenance as defined by the manufacturer,
	manner having due regard to ensuring reliability of such	maintenance as defined by the manufacturer, should be conducted under the direct
	manner having due regard to	maintenance as defined by the manufacturer, should be conducted under the direct supervision of a competent person. Definition
	manner having due regard to ensuring reliability of such	maintenance as defined by the manufacturer, should be conducted under the direct supervision of a competent person. Definition of competent person is:
	manner having due regard to ensuring reliability of such	maintenance as defined by the manufacturer, should be conducted under the direct supervision of a competent person. Definition
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	manner having due regard to ensuring reliability of such	<ul> <li>maintenance as defined by the manufacturer, should be conducted under the direct supervision of a competent person. Definition of competent person is:</li> <li>A person who is trained and has the necessary skills, practical experience and</li> </ul>
	manner having due regard to ensuring reliability of such	<ul> <li>maintenance as defined by the manufacturer, should be conducted under the direct supervision of a competent person. Definition of competent person is:</li> <li>A person who is trained and has the necessary skills, practical experience and knowledge of the type of lifting appliances</li> </ul>
	manner having due regard to ensuring reliability of such	<ul> <li>maintenance as defined by the manufacturer, should be conducted under the direct supervision of a competent person. Definition of competent person is:</li> <li>A person who is trained and has the necessary skills, practical experience and knowledge of the type of lifting appliances and gears which he is required to inspect.</li> </ul>
	manner having due regard to ensuring reliability of such	<ul> <li>maintenance as defined by the manufacturer, should be conducted under the direct supervision of a competent person. Definition of competent person is:</li> <li>A person who is trained and has the necessary skills, practical experience and knowledge of the type of lifting appliances and gears which he is required to inspect. He is to be provided with the necessary</li> </ul>
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	manner having due regard to ensuring reliability of such	<ul> <li>maintenance as defined by the manufacturer, should be conducted under the direct supervision of a competent person. Definition of competent person is:</li> <li>A person who is trained and has the necessary skills, practical experience and knowledge of the type of lifting appliances and gears which he is required to inspect. He is to be provided with the necessary tools and spare parts together with manufacturers recommended maintenance instructions.</li> <li>The person is not necessarily a member of the ship's crew but may be Master, Chief Engineer, Chief Officer or Second Engineer subject to the above criteria.</li> </ul>
	manner having due regard to ensuring reliability of such	<ul> <li>maintenance as defined by the manufacturer, should be conducted under the direct supervision of a competent person. Definition of competent person is:</li> <li>A person who is trained and has the necessary skills, practical experience and knowledge of the type of lifting appliances and gears which he is required to inspect. He is to be provided with the necessary tools and spare parts together with manufacturers recommended maintenance instructions.</li> <li>The person is not necessarily a member of the ship's crew but may be Master, Chief Engineer, Chief Officer or Second Engineer subject to the above criteria.</li> <li>The thorough examination, operational testing, repair, and overhaul of lifeboats,</li> </ul>
	manner having due regard to ensuring reliability of such	<ul> <li>maintenance as defined by the manufacturer, should be conducted under the direct supervision of a competent person. Definition of competent person is:</li> <li>A person who is trained and has the necessary skills, practical experience and knowledge of the type of lifting appliances and gears which he is required to inspect. He is to be provided with the necessary tools and spare parts together with manufacturers recommended maintenance instructions.</li> <li>The person is not necessarily a member of the ship's crew but may be Master, Chief Engineer, Chief Officer or Second Engineer subject to the above criteria.</li> <li>The thorough examination, operational testing, repair, and overhaul of lifeboats, launching appliances and on-load release gear</li> </ul>
	manner having due regard to ensuring reliability of such	<ul> <li>maintenance as defined by the manufacturer, should be conducted under the direct supervision of a competent person. Definition of competent person is:</li> <li>A person who is trained and has the necessary skills, practical experience and knowledge of the type of lifting appliances and gears which he is required to inspect. He is to be provided with the necessary tools and spare parts together with manufacturers recommended maintenance instructions.</li> <li>The person is not necessarily a member of the ship's crew but may be Master, Chief Engineer, Chief Officer or Second Engineer subject to the above criteria.</li> <li>The thorough examination, operational testing, repair, and overhaul of lifeboats,</li> </ul>

		<ul> <li>The Original Equipment Manufacture; or</li> <li>a service provider approved by the Original Equipment Manufacture; or</li> <li>a service provider may be used where an equipment manufacture is no longer in business or no longer provides technical support.</li> <li>Because there are not any service providers on the Isle of Man, the IOM Ship Registry accepts service providers which have been authorised by the local Administration or an IOM Recognised Classification Society where the service provider has its principal place of business.</li> </ul>
REG 20.8.3.3 Page 247	Inflatable liferaft arrangements An Administration which approves new and novel inflatable liferaft arrangements pursuant to regulation 4 may allow for extended service intervals on the following conditions:	SLS.14/Circ.318 and SLS.14/Circ.264 permit extended service intervals (of up to 30 months) for certain, specified liferafts. Refer to the circular letter for full list of liferafts and conditions under which extended service intervals are accepted.