

SOLAS requirements for non-passenger ships 300 or above but less than 500 gross tonnage

Guidance for owners, masters and surveyors for ships undertaking international voyages

Guidance on SOLAS requirements applied to non-passenger ships of 300 or above but less than 500 gross tonnage

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Purpose of this guideline

This guideline concerns non-passenger ships of 300 or above but less than 500 gross tonnage in maritime transport operations that undertake international voyages. A non-passenger ship is a ship that is not a passenger ship, or a fishing ship, or a pleasure craft.

Maritime Rules are the domestic legislation that implements SOLAS within New Zealand. The guideline sets out or 'maps' the SOLAS regulations to the corresponding Maritime Rules. Not all SOLAS regulations are mapped. Instead, the focus is on the appliances, equipment and procedures that a Port State Control inspection is likely to address.

The guideline should help owners, masters and surveyors who are preparing applications for Certificates for International Voyage to ensure that their ship meets applicable SOLAS requirements. For ships undertaking one-off international relocation voyages, the guideline should also help identify rule requirements for the purpose of applying for exemption from rule requirements. The Director of Maritime NZ may grant exemptions from certain rule requirements if the grounds for exemption set out in section 47 of the Maritime Transport Act are satisfied.

The guideline has its origins in an incident in which a New Zealand ship took an international voyage to Australia where it failed a Port State Control inspection. It should help to ensure that in future New Zealand ships meet port state control requirements in other states.

Limitations

Some Maritime Rules implement the text of SOLAS regulations by reference to length not tonnage. This approach is different to the approach in Australian law (and potentially for other jurisdictions). Owners, masters and surveyors should note that (like New Zealand) other countries may incorporate the convention standards into their domestic law with slight text differences compared to the text of SOLAS. This guideline does not attempt to clarify the obligations an owner may have under the law of another country.

This guideline only addresses SOLAS regulations. New Zealand vessels that travel internationally are subject to the laws of a foreign State. This may include being subject to the standards of International Conventions that New Zealand is not yet a party to, for example MARPOL Annex IV and VI. Ship owners should consider seeking advice on the requirements that apply in the jurisdiction they will be visiting before their ship travels internationally.

Overview of SOLAS regulations

The following convention regulations apply to non-passenger ships of 300 or above but less than 500 gross tonnage.

Convention regulations that apply	Application
Chapter II-2, Regulation 19, Carriage of Dangerous Goods	All ships but flag state may reduce requirements for ships less than 500 gross tonnage If so, this must be detailed on the document of compliance issued under regulation 19.4
Chapter III, Life-saving Appliances and Arrangements	Ships of 300 or above gross tonnage in case of regulations 6.2.1, 6.2.2, 8, 9,10, 19 and 35
Chapter IV, Radio Communication	Ships of 300 or above gross tonnage
Chapter V, Safety of Navigation	All ships but the administration may determine the extent to which regulations 15 to 28 apply to ships of less than 500 gross tonnage not engaged on international voyages
Chapter VI, Carriage of Cargoes and Fuel Oils	All ships but flag state may vary for vessels operating in sheltered waters if it considers such requirements unreasonable or unnecessary and other effective measures are in place
Chapter VII, Carriage of Dangerous Goods	All ships carrying dangerous goods

SOLAS requirements and rules

The table below identifies SOLAS regulations and the corresponding rule requirements that apply to the ships covered by this guidance.

Note: the table does not cover all applicable SOLAS regulations. The focus is on recent regulations and regulations that owners, masters and surveyor may overlook.

In the table, the term used for ships covered by this guidance (as explained above) is “subject ships”.

Area	Convention regulation	Maritime rule
1. Surveys and certificates	SOLAS Chapter I, Regulation 9, requires radio installations required by Chapters III and IV to be surveyed (initial, renewal and periodical). Regulation 12 requires a Cargo Ship Safety Radio Certificate to be issued to ships after initial or renewal surveys.	Rules 46.4, 46.8, 46.12, and 46.13(3) apply Regulations 9 and 12 to subject ships - specifically, non-passenger ships of 300 gross tonnage or more undertaking international voyages (see application in rule 46.3(2)). Also see the supplementary notes on radio communications page 20. Rule 43.6(1) enables Maritime NZ recognised radio surveyors to conduct surveys for the issue of a Cargo Ship Radio Certificate.
2. Fire protection, fire detection and fire extinction - carriage of dangerous goods	SOLAS Chapter II-2, Regulation 19. 2.1 requires cargo ships of less than 500 gross tonnage to comply with the regulation’s fire protection, detection and extinction requirements for the carriage of dangerous goods (where such goods are intended to be carried). A document of compliance evidences this (regulation II-2/19.4) but the administration may reduce requirements (and record these in the document).	Rule 46.10A applies Regulation 19.2.1 to subject ships if they are 45 metres or more in length. Rule 46.13(7A) provides for the issue of a document of compliance and rule 46.13(7B) for the form of the document.

3.1 Life-saving appliances and arrangements	SOLAS Chapter III, Regulation 6.2.1, requires at least 2 VHF radios for use in survival craft on board cargo ships of 300 or more but less than 500 gross tonnage. Apparatus must conform to performance standards for survival craft VHF radios (resolution A.809(19) as may be amended, annex 1 or annex 2 as applicable, and resolution MSC.149(77)).	No corresponding rule for subject ships but initial, periodic and renewal radio surveys under rule 46.8 include radio installations used in life-saving appliances.
3.2 Life-saving appliances and arrangements	SOLAS Chapter III, Regulation 6.2.2, requires at least 1 SAR locating device (either radar transponder or AIS-SART) on board a cargo ship of 300 and upwards but less than 500 gross tonnage	Part 40C footnote 41 to Appendix 4 incorporates SOLAS Chapter IV requirements for subject ships (via incorporation by reference in rule 40B.23). The Regulation IV/7.1.3 requirement for a SAR locating device satisfies the Regulation III/6.2.2 requirement for subject ships.
3.3 Life-saving appliances and arrangements	SOLAS Chapter III, Regulation 8, requires muster list and emergency instructions.	Rules 23.18, 23.19, and 23.20 reflect SOLAS requirements and apply to subject ships - specifically, non-passenger ships of this size operating in or beyond the coastal limit (by application of rule provided for in rule 23.17).
3.4 Life-saving appliances and arrangements	SOLAS Chapter III, Regulation 9, requires operating instructions in the form of posters and signs on or in the vicinity of survival craft.	Under Part 23 there is no explicit requirement for posters and signs but general safety system provisions of rule 19.42 are relevant.
3.5 Life-saving appliances and arrangements	SOLAS Chapter III, Regulation 10, requires efficient and effective manning of survival craft.	Rules 31.20 and 31.21 require subject ships to have sufficient crew and sufficient qualified crew to deploy survival craft. Rule 31.54 requires those designated to launch or take charge of survival craft of subject ships to have demonstrated proficiency to do so.
3.6 Life-saving appliances and arrangements	SOLAS Chapter III, Regulation 19, emergency training and drills.	Requirements of rule 23.21 reflect SOLAS requirement and applies to subject ships - specifically, non-passenger ships of this size operating in or beyond the coastal limit (by application of rule provided for in rule 23.17).
3.7 Life-saving appliances and arrangements	SOLAS Chapter III, Regulation 35, requires a training manual and on-board training aids for life-saving appliances in the ship. The regulation applies to all ships.	Rule 23.22 reflects elements of Regulation 35 (which is concerned with the physical availability of training materials). The general safety system requirements in rule 19.42 are relevant.

4. Radio communications	SOLAS Chapter IV, Regulation 1, applies all regulations in the chapter to “cargo ships of 300 gross tonnage and upwards”.	Rule 40B.23 applies all Chapter IV requirements to subject ships by incorporation by reference via footnote 41 to Appendix 4 of Part 40C.
5.1 Safety of navigation	<p>SOLAS Chapter V, Regulation 19.2.2, requires ships of 150 gross tonnage and upwards to be fitted with:</p> <ul style="list-style-type: none"> • spare magnetic compass • daylight signalling device <p>Regulation 19.2.3 requires ships of 300 gross tonnage to be fitted with:</p> <ul style="list-style-type: none"> • echo-sounding device • radar • electronic plotting aid • speed and distance indicating device • transmitting heading device. 	Rules 45.7 and 45.8 and rule 45.10 to 45.18A apply these requirements to subject ships if they are 45 m or more in length.
5.2 Safety of navigation	SOLAS Chapter V, Regulation 19.2.2, requires ships of 150 gross tonnage and upwards to be fitted with a bridge navigational watch alarm system.	Rule 40C.59A requires BNWAS to be fitted on subject ships (specifically, non-passenger ships over 150 gross tonnage engaged in international voyages).
5.3 Safety of navigation	SOLAS Chapter V, Regulation 19.2.4, requires ships of 300 gross tonnage and upwards that undertake an international voyage to carry AIS.	Rule 40C.59C requires AIS on subject ships.
5.4 Safety of navigation	SOLAS Chapter V, Regulation 19-1, requires ships of 300 gross tonnage and upwards on international voyages to be fitted with LRIT to support maritime security.	Rule 40C.59B requires LRIT on subject ships.
5.5 Safety of navigation	SOLAS Chapter V, Regulation 21, International Code of Signals and IAMSAR Manual to be carried on ships required to carry a radio installation.	Rule 25.4 requires the manual to be carried on subject ships - specifically, any ship operating in the unlimited area.

5.6 Safety of navigation	SOLAS Chapter V, Regulation 22, requires ships of not less than 55 metres in length to comply with specified bridge visibility standards. Ship constructed on or after 01/01/17 must meet the standards in full. Older ships must comply as far as practicable but structural alterations or additional equipment is not required.	No corresponding rule for subject ships (Note, none of the existing New Zealand non-passenger ships of 300 or above but less than 500 gross tonnage are less than this length.)
5.7 Safety of navigation	SOLAS Chapter V, Regulation 23, requires pilot transfer arrangements.	Rule 53.4 sets out duties on owners and masters to ensure all ships that undertake a voyage where a pilot is required or likely to be engaged have compliant pilot transfer arrangement (application in rule 53.3).
5.8 Safety of navigation	SOLAS Chapter V, Regulation 26, requires steering gear testing and drills.	Rule 23.23 applies Regulation 26 to subject ships – specifically, non-passenger ships on voyages in or beyond the coastal limit.
5.9 Safety of navigation	SOLAS Chapter V, Regulation 27, requires nautical charts and publications to be carried.	Rule 25.4 applies Regulation 27 to subject ships – specifically all ships operating in the unlimited area.
5. 10 Safety of navigation	SOLAS Chapter V, Regulation 28.1, records of navigational activities by all ships engaged in international voyages. Records to show navigational activities and incidents which are of importance to the safety of navigation in the logbook. The logbook entry must contain sufficient detail to restore a complete record of the voyage in accordance with the Guidelines for recording events related to navigation (resolution A.916(22)).	Rule 23.54(5) applies Regulation 28.1 to subject ships if they are 45 m or more in length.
5.11 Safety of navigation	SOLAS Chapter V, Regulation 29 requires all ships to which Chapter V applies (basically, all ships on all voyages) to be provided with an illustrated table showing the life-saving signals found in Volume III of the IAMSAR Manual and the International Code of Signals. This must be available to the officer of the watch at all times. The signals must be used by ships or persons in distress when communicating with: life-saving stations; maritime rescue units; or aircraft engaged in search and rescue operations.	Rule 23.48(6) applies Regulation 29 to subject ships if they are 45 m or more in length.

<p>5.12 Safety of navigation</p>	<p>SOLAS Chapter V, Regulation 34, safe navigation and avoidance of dangerous situations (voyage plan).</p> <p>The master of a ship must ensure that before a voyage commences, the voyage has been planned in accordance with Regulation 34 of Chapter V of SOLAS.</p>	<p>Covered in rule 23.54A and applies to all New Zealand commercial ships (general application of section 4 of Part 23).</p>
<p>6. Carriage of cargoes and fuel oil</p>	<p>SOLAS Chapter VI, Regulation 1, applies regulations (dealing with among other things, carriage of solid bulk and grain cargoes; cargo information; stowage and securing; approved cargo securing manuals; and provision of MSDSs for oil cargoes and oil fuel) to cargo ships less than 500 gross tonnage. The flag state may, however, take other effective measures if it considers such requirements unreasonable or unnecessary.</p>	<p>Part 24B applies a number of Chapter VI requirements to all ships carrying cargo (defined to exclude dry and liquid bulks, grain, timber and livestock) and cargo units.</p> <p>The MSDS requirement and prohibition of blending etc apply to subject ships (Part 24C section 5) if they are 45 m or more in length. Also general safety system requirements in rule 19.42 are relevant to MSDS provision.</p>
<p>7. Carriage of dangerous goods</p>	<p>SOLAS Chapter VII, Regulation 2, applies Part A to carriage of DG in packaged form to cargo ships of less than 500 gross tonnage; Regulation 7-1 applies Part A-1 to carriage of DG in solid bulk form; Regulation 9 applies Part B to chemical tankers of less than 500 gross tonnage; Regulation 12 applies Part C to gas carriers of less than 500 gross tonnage; and Regulation 15 applies Part D to cargo ships of less than 500 gross tonnage engaged in the carriage of INF cargo.</p>	<p>Rule 24A.22 applies Chapter VII requirements to all ships on international voyages that carry dangerous goods:</p> <ul style="list-style-type: none"> • in packaged form (incorporating IMDG Code) • in solid bulk form (incorporating the IMSBC Code) • as liquid chemicals (incorporating the IBC Code and the BCH Code) • as liquefied gases (incorporating the IGC Code, the Gas Carrier Code, and the Code for Existing Ships Carrying Liquefied Gases in Bulk) • as irradiated nuclear fuel (incorporating the INF Code).
<p>8. Special measures to enhance maritime safety</p>	<p>SOLAS Chapter XI-1, Regulation 3, requires all cargo ships of 300 gross tonnage and upwards to have a ship identification number (marked on the ship and inserted on SOLAS certificates).</p>	<p>Rule 40C.4 applies Regulation 3 requirements to subject ships.</p>

Checklist: SOLAS requirements applied to non-passenger ships 300 – 500 GT

Using the checklist

This checklist should help owners, masters and surveyors to ensure that their ship meets applicable SOLAS requirements when undertaking an international voyage. For ships undertaking one-off international relocation voyages, the checklist should also help identify rule requirements for the purpose of applying for exemption from rule requirements.

Notes

- The checklist applies to non-passenger ships of 300 or above but less than 500 gross tonnage.
- A 'non-passenger ship' is a ship that is not a passenger ship, or a fishing ship, or a pleasure craft.
- Supplementary guidance is indicated by **. This covers cases where maritime rule requirements and SOLAS regulations are not aligned. For example, where Maritime Rules limit the application of certain SOLAS regulations to ships of 45 metres or more in length.
- In the checklist, the term used for ships covered is 'subject ships'.
- More detailed information on SOLAS regulations and rules requirements has been provided at the back of this guideline under the heading Supplementary guidance for owners, masters and surveyors. The checklist numbers and supplementary guidance references at the bottom right hand of the first column refer to this information.

Operator:	Ship's name:
	Length:
	Gross tonnage:
Contact details:	Date:
Maritime NZ recognised surveyor:	
Operator Attendee(s):	

1. Survey and certification				
	Yes	No	NA	Comments
Cargo Ship Safety Radio Certificate (Rules 46.4, 46.8, 46.12 and 46.13(3); rule 43.6(1)) ** Reference 1				

2. Fire protection, fire detection and fire extinction - carriage of dangerous goods				
	Yes	No	NA	Comments
Document of compliance for carriage of dangerous goods (Rule 46.13(7A)) ** Reference 2				

** = See supplementary guidance

3. Life-saving appliances and arrangements

	Yes	No	NA	Comments
<p>At least 2 VHF radios for use in survival craft conforming to performance standard in resolution A.809(19) as may be amended, annex 1 or annex 2 as applicable, and resolution MSC.149(77)). (SOLAS Chapter III, Regulation 6.2.1)</p> <p>**</p> <p>Reference 3.1</p>				
<p>At least 1 SAR locating device (either radar transponder or AIS-SART) conforming in case of transponder to performance standard in resolution MSC 247(83)and resolution A.809(19) as amended, and resolution MSC 246(83) in the case of AIS-SART (SOLAS Chapter III, Regulation 6.2.2)</p> <p>**</p> <p>Reference 3.2</p>				
<p>Muster list and emergency instructions (Rules 23.18, 23.19, and 23.20)</p> <p>Reference 3.3</p>				
<p>Operating instructions in form of posters and signs on or in the vicinity of survival craft (Rule 19.42)</p> <p>**</p> <p>Reference 3.4</p>				

** = See supplementary guidance

3. Life-saving appliances and arrangements				
	Yes	No	NA	Comments
Efficient and effective manning of survival craft (Rules 31.20, and 31.21) Reference 3.5				
Emergency training and drills (Rule 31.21) Reference 3.6				
Training manual and on-board training aids for life-saving appliances (Rule 31.22; rule 19.42) ** Reference 3.7				

4. Radio communications				
	Yes	No	NA	Comments
Radio communication regulations in SOLAS Chapter IV (footnote 41 to Appendix 4 of Part 40C) ** Reference 4				

** = See supplementary guidance

5. Safety of navigation

	Yes	No	NA	Comments
Spare magnetic compass Daylight signaling device Echo-sounding device Radar Electronic plotting aid Speed and distance indicating device Transmitting heading device.				
Rules 45.7 and 45.8 and rules 45.10 to 45.18A) ** Reference 5.1				
Bridge navigational watch alarm system (Rule 40C.59A) Reference 5.2				
AIS (Rule 40C.59C) Reference 5.3				
LRIT (Rule 40C.59B) Reference 5.4				
International Code of Signals and IAMSAR Manual (Rule 25.4) Reference 5.5				

5. Safety of navigation

	Yes	No	NA	Comments
Bridge visibility meets regulation V/22 (no rule) ** Reference 5.6				
Pilot transfer arrangements (Rule 53.4) Reference 5.7				
Steering gear testing and drills (Rule 23.23) Reference 5.8				
Nautical charts and publications (Rule 25.4) Reference 5.9				
Records of navigational activities (Rule 23.54(5)) Reference 5.10				
Illustrated table showing the life-saving signals found in Volume III of the IAMSAR Manual and the International Code of Signals. (Rule 23.48(6)) ** Reference 5.11				

5. Safety of navigation				
	Yes	No	NA	Comments
Voyage plan (Rule 23.54A)				
Reference 5.12				

** See supplementary guidance

6. Carriage of cargoes and fuel oil				
	Yes	No	NA	Comments
Grain cargoes (Part 24C, Section 1)				
Solid bulk cargoes other than grain (Part 24C, Section 2)				
Cargo information (Part 24B)				
Stowage and securing (Part 24B)				
Approved cargo securing manuals (Part 24B)				
MSDSs for oil cargoes and oil fuel (Part 24C, Section 5) **				
Reference 6				

** See supplementary guidance

7. Carriage of dangerous goods

	Yes	No	NA	Comments
Carriage of DG in packaged form Carriage of DG in solid bulk form Chemical tankers Gas carriers Carriage of INF cargo Reference 7				

8. Special measures to enhance maritime safety

	Yes	No	NA	Comments
Ship identification number (Rule 40C.4) Reference 7				

Supplementary guidance for owners, masters and surveyors

1. Survey and certificates

Cargo Ship Safety Radio Certificate (Rules 46.4, 46.8, 46.12 and 46.13(3); rule 43.6(1))

Under Part 46, a survey for the issue of a Cargo Ship Safety Radio Certificate may be undertaken by a surveyor working for a 'recognised organisation'. Five class societies have entered into a memorandum of understanding (MoU) with the Director of Maritime NZ for conducting SOLAS surveys and issuing SOLAS certificates - LR, BV, ABS, GL/DNV, and NKK. The Director or an authorised person (an employee of an RO who holds the appropriate delegation from the Director) issues the certificate.

A Maritime NZ recognised radio surveyor may conduct a survey for a Cargo Ship Safety Radio Certificate under rule 43.6(1). The certificate is issued by the Director.

Reference 1

2. Fire protection, fire detection and fire extinction - carriage of dangerous goods

Document of compliance for carriage of dangerous goods (Rule 46.13(7A))

There is a gap between the rule, which applies only to ships if they are 45 m or more in length, and the application of Regulation II-2/19.2.1 to cargo ships of less than 500 gross tonnage, subject to any reduced requirements set by the flag state.

While some subject ships may be 45 m or more in length and therefore covered by the rule, others may not. If they are less than 45 m in length the surveyor should determine whether the cargo spaces are covered by the SOLAS regulation. These are detailed in regulation 19.2.2: spaces intended for the carriage of DGs in packaged or solid bulk form.

If the surveyor determines that a ship less than 45 m in length is subject to the SOLAS requirement, they should contact Maritime NZ for further advice.

Reference 2

3. Life-saving appliances and arrangements

At least 2 VHF radios for use in survival craft conforming to performance standard in resolution. A.809(19) (SOLAS Chapter III, Regulation 6.2.1)

This requirement is not supported by the rule and owners and masters should ensure that survival craft VHF radios are on board.

The surveyor should verify that the radios meet the relevant performance standard for survival craft VHF radios. (Resolution A.809(19) as may be amended, annex 1 or annex 2 as applicable, and resolution MSC.149(77)).

Reference 3.1

At least 1 SAR locating device (either radar transponder or AIS-SART) conforming in case of transponder to performance standard in res. MSC 247(83)and res. A.809(19)as amended, and res. MSC 246(83) in the case of AIS-SART (SOLAS Chapter III, Regulation 6.2.2)

The Regulation IV/7.1.3 requirement for a SAR locating device satisfies the Regulation III/6.2.2 requirement for subject ships. See Part 40C footnote 41 to Appendix 4, which incorporates SOLAS Chapter IV requirements for subject ships (via incorporation by reference in rule 40B.23).

Reference 3.2

Operating instructions in form of posters and signs on or in the vicinity of survival craft (Rule 19.42)

Under Part 23, there is not explicit requirement for posters and signs but Maritime NZ considers operating instructions in this form are within the general safety system provisions of rule 19.42.

Owners and masters should ensure these are provided on or near survival craft and surveyors should carry out a visual check of survival craft locations to verify that posters and signs appear in these places.

Reference 3.4

On board training manual and training aids (Rule 23.22; rule 19.42)

Rule 23.22 implies or assumes the availability of manuals and training aids on board. Maritime NZ considers that making these aids available are within the general safety system requirements of rule 19.42

Owners and masters should ensure that manuals and training aids are on board and that they cover all the topics specified in SOLAS Regulation III/35.3.

Surveyors should verify the availability of these materials and examine them to determine that they cover all the topics referred in the SOLAS regulation.

Reference 3.7

4. Radio communications

Radio communication regulations in SOLAS Chapter IV (footnote 41 to Appendix 4 of Part 40C.)

Subject ships are covered by rule requirements reflecting the SOLAS Chapter IV regulations. However, the rules approach is subtle: Rule 40B.23 applies all Chapter IV requirements to subject ships by incorporation by reference via footnote 41 to appendix 4 of Part 40C.

The easiest way for owners and masters to be assured of compliance is by checking that the ship has been surveyed under Parts 46 or 43, and has been issued with a Cargo Ship Safety Radio Certificate.

Reference 4

5. Safety of navigation

Spare magnetic compass, daylight signalling device, echo-sounding device, radar, electronic plotting aid, speed and distance indicating device, transmitting heading device (rules 45.7 and 45.8 and rule 45/10 to 45.18A)

Maritime NZ recommends that the owners and masters of subject ships ensure that navigational equipment specified in these rules is fitted on board where the ship is less than 45 m in length in order to meet the provisions in SOLAS Chapter V, Regulation 19.2.2 and 19.2.3.

Surveyors should confirm by visual inspection that the ship is fitted with these items.

Reference 5.1

Bridge visibility meets regulation V/22 (no rule)

In the unlikely event that a subject ship is 55 m or more in length, surveyors should contact Maritime NZ to discuss how best to proceed.

Reference 5.6

Illustrated table showing the life-saving signals found in Volume III of the IAMSAR Manual and the International Code of Signals. (Rule 23.48(6))

There is currently no requirement under Maritime Rules for a table of life-saving signals if the ship is less than 45 m in length.

Maritime NZ recommends the owners and masters ensure a table of signals is provided on board where the ship is less than 45 m in length in order to meet the provisions of SOLAS Chapter V, Regulation 29.

Surveyors should verify by visual inspection that a table is readily available to the officer of the watch.

Reference 5.11

On board training manual and training aids (Rule 23.22; rule 19.42)

Rule 23.22 implies or assumes the availability of manuals and training aids on board. Maritime NZ considers that making these aids available are within the general safety system requirements of rule 19.42

Owners and masters should ensure that manuals and training aids are on board and that they cover all the topics specified in SOLAS Regulation III/35.3.

Surveyors should verify the availability of these materials and examine them to determine that they cover all the topics referred in the SOLAS regulation.

Reference 3.7

6. Carriage of cargoes and fuel oil

MSDSs for oil cargoes and oil fuel (Part 24C, Section 5)

There is currently no requirement under Maritime Rules for MSDSs for subject ships less than 45 m.

Maritime NZ recommends that the owners and masters of such ships ensure MSDSs (for oil cargoes, if carried, and oil fuel in all cases) are provided on board to ensure ships meet the provisions of SOLAS Chapter VI, Regulation 5-1.

Surveyors should verify by visual inspection that such sheets are on board and readily available for the information of crew.

Reference 6