



CLASS 1B VESSEL EQUIPMENT LIST

This Fact Sheet provides a general description of the class 1B vessel equipment list.

< means less than, > means greater than

≤ means equal to or less than, ≥ means equal to or greater than

tons means gross tons, xxm means measured length in metres

LIFE SAVING APPLIANCES

Liferafts and Rescue Boats	1B
Inflatable coastal liferaft/s for 100% complement and a non Solas Rescue Boat	≥25m
Inflatable Coastal Liferaft/s for 100% complement	<25m

Lifebuoys	1B
12 x lifebuoys minimum. 2 with light and smoke signals, 4 with lights and 2 with buoyant lines (L2)	≥60m
8 x lifebuoys minimum. 2 with light and smoke signals, 2 with lights and 2 with buoyant lines (L2)	≥45m <60m
6 x lifebuoys minimum. 2 with light and smoke signals, 1with lights and 2 with buoyant lines (L2)	≥25m <45m
2 x lifebuoys minimum. 1 with light and 1 with buoyant line (L2)	≥10m <25m

Key:

(L2) Light and smoke signals shall be self-activating

Lifejackets	1B
SOLAS lifejacket with a light and whistle: (L3) (1) for each person 32kg and over (2) and each person less than 32kg 5% of (1) and 5% of (2) above stowed on deck	All lengths

Key:

(L3) Light shall be self-activating

Distress Signals	1B
EPIRB (121.5/243 or 406) ¹	YES
Parachute distress rockets [Quantity to be carried: 12]	≥45m
Parachute distress rockets [Quantity to be carried: 6]	≥25m <45m
Parachute distress rockets [Quantity to be carried: 3]	<25m
Red hand-held flares [Quantity to be carried: 4]	≥25m <45m
Red hand-held flares [Quantity to be carried: 2]	<25m
Hand-held orange smoke signals [Quantity to be carried: 2]	≥25m <45m
Hand-held orange smoke signals [Quantity to be carried: 1]	<25m

¹ - 121.5/243 MHz frequencies will not be in use after February 2009

(D1) Appropriate for area of operation

Line Throwing Appliances	1B
4 x rockets and lines minimum	≥45m
On-board Communications and Alarm Systems	1B
Electric alarm system for mustering crew and passengers (where efficient mustering cannot be carried out by voice)	≥25m
Emergency Electrical Installation/Equipment	1B
Self contained emergency electrical installation additional to the main generating set. Able to simultaneously operate continuously for 12 hours: (1) Emergency Bilge Pump (If Electrical) (2) Watertight Doors (If Electrical) (3) Indicators And Sound Signals For Power Operated Doors (4) Fire Protection System (5) Emergency Lighting (6) Emergency Signals (7) Navigation Lights And Communications Equipment	All lengths

Miscellaneous Equipment	1B
Chronometer, Deck Watch or Timepiece of equivalent accuracy	All lengths
Sextant	All lengths
Pair of Binoculars fitted with a neck strap and a carrying case	All lengths
Barometer or Barograph	All lengths
Mechanical depth sounder	All lengths
Hand lead line	All lengths
Daylight signalling light	≥35m
One set of International Code Flags	≥35m
One copy or the International Code of Signals	≥35m
Signalling light	<35m
International Code Flags "N" and "C"	<35m
Charts and nautical publications for the vessel's area or operation	All lengths
Electronic Navigation Aids as are considered necessary by the Authority	All lengths
Accommodation ladder or Gangway and safety net	All lengths
Windlass anchors and cables	All lengths
Hawsers and warps	All lengths
Medical stores in accordance with Appendix L	All lengths
Official log book	≥35m
Vessel record book	<35m
Radio: SSB HF minimum frequencies, 4125,6215,8291 and 8176	All lengths
Navigation lights and day shapes as per the Prevention of Collision at Sea Regulations	All lengths
Whistle	All lengths
Bell (300mm minimum diameter)	L ≥ 20m
Compass (M1)	All lengths
Bilge pumps (M2)	All lengths

- (M1)** Minimum diameter of compass:-
75mm diameter for vessels less than 10 metres in length.
100mm diameter for vessels 10 metres and over but less than 20 metres in length.
125mm diameter for vessels 20 metres and over in length.
- (M2)** Number and minimum capacity of bilge pumps given in following table

Measured Length of Vessel (L)	Manual pumps with discharge capacity		Power pumps with discharge capacity	
	Number	Capacity in kl/hr	Number	Capacity in kilolitre/hour
L < 7.5m	1	4.0		
L < 10m L ≥ 7.5m	2	4.0		
L < 12.5m L ≥ 10m	1	5.5	1	5.5
L < 17.5m L ≥ 12.5m	1	5.5	1	11.0
L < 20m L ≥ 17.5m	1	8.0	1	11.0
L < 25m L ≥ 20m			2	11.0
L < 35m L ≥ 25m			2	15.5

FIRE FIGHTING EQUIPMENT

Tons = Gross Tonnage

SIZE	REQUIREMENTS
Patrol and Communication System	
≥ 25m	<p>An efficient patrol system is to be maintained</p> <p>Manual fire alarms to be located throughout the vessel</p> <p>Special alarm to be located in the wheelhouse or fire control centre to summon crew. Must be capable of being sounded independently of the alarm to the passenger spaces.</p> <p>A public address system or other means of communication shall be available throughout the accommodation, service spaces and control stations.</p>
Main Fire Pumps	
4000 tons and over	Three fire pumps complying with section 11 of the USL code Appendix B, each capable of delivering simultaneously one jet from each of any two fire hydrants.
Less than 4000 tons but ≥ 25m	Two fire pumps complying with section 11 of the USL code Appendix B, each capable of delivering simultaneously one jet from each of any two fire hydrants.
≥ 15m but < 25m	One power driven fire pump capable of delivering one jet of water from any hydrant, hose or nozzle whilst maintaining a pressure of 150 kilopascals.
1000 tons and over	<p>Arrangement pumps, their source of power and sea inlets shall ensure that a fire in any one compartment will not put all the pumps out of action.</p> <p>Arrangement of fire pumps, fire mains and hydrants shall ensure that one effective jet of water is immediately available from any one hydrant in an interior location.</p>
Emergency Fire Pumps to Appendix C	
<1000tons but ≥ 25m	If a fire in any one compartment could put all the main fire pumps out of action then a fixed independently driven power operated emergency fire pump in a position outside that compartment.
<25m	A manually operated emergency fire pump in a position outside the machinery space.
Fire main Water Service Pipes, Hydrants (other than hydrants in boiler and machinery spaces) and Jets of Water	
≥ 25m	Must comply with section 11 of the USL code Appendix D when all watertight doors and all doors in the fire zone boundary division are closed and provide two jets of water in accordance with sub item 1.3 of Appendix D
≥ 15m > 25m	Shall be arranged to give one jet of water in accordance with sub-item 1.4 of Appendix D
Hydrants in Boiler and Machinery Spaces	
≥ 25m	<p>Two hydrants in each space containing oil-fired boilers or internal combustion propelling machinery, one on the port side and one on the starboard side.</p> <p>Where there is access to the space by shaft tunnel, one hydrant shall be positioned in the end or the tunnel adjacent to that space and the supply to that hydrant shall be from a source outside of the space and the supply line shall not pass through the space.</p>

Hoses	
All vessels	One hose with fittings complying with section 11 of the USL code Appendix D for every hydrant fitted.
Fixed Fire Extinguishing installations Cargo Space	
≥1000tons	One installation complying with section 11 of the USL code Appendix E, which shall be so arranged as to protect every cargo space.
Fixed Fire Extinguishing installations Machinery Space	
≥25m	One installation complying with section 11 of the USL code Appendix E for the protection of any space containing: (a) any oil-fired boiler, oil fuel settling tank or oil fuel unit. (b) Internal combustion machinery used for main propulsion, or having in the aggregate a total brake power of not less than 750 kW for auxiliary purposes.
≥ 12.5m <25m	Vessel fitted with oil fired boilers or internal combustion machinery used for main propulsion and decked in way or the machinery space, a fixed fire extinguishing installation complying with Appendix F section 11 of the USL code.
Non Portable Foam and CO₂ Extinguishers	
≥25m	Any space containing internal combustion machinery used for main propulsion, or having in the aggregate a total brake power or not less than 750 kW for auxiliary purposes shall be provided with: (a) One foam extinguisher of 45 litres capacity; or One CO ₂ extinguisher of 15 kilograms capacity. (c) Any space containing an oil fired boiler shall be provided with: One foam extinguisher or 135 litres capacity; or One CO ₂ extinguisher of 45 kilograms capacity. The extinguisher shall be sited as to be readily available in the event of fire and to be capable of directing foam or CO ₂ onto any part of the boiler room and spaces containing any part of the oil fuel installations.
Portable Fire Extinguishers	
All vessels	Portable fire extinguishers shall comply with section 11 of the USL code Appendix G.
	Accommodation
≥25m	(a) Two on each deck for each accommodation and service space between watertight bulkheads and fire one boundary divisions. In enclosed accommodation and service spaces above the bulkhead deck one shall be available for use on each side of the vessel. (b) One in a galley where the overall deck area is less than 15 square metres and two in larger galleys. (c) One in each control room.
<25m	(a) One for each passenger space and each crew space on each deck. (b) One in each galley.
	Machinery spaces
≥25m	(a) Two suitable for extinguishing oil fires in each firing space in each boiler room and each space containing any per of any oil fuel installation. (b) In each space containing internal combustion machinery used for main propulsion, or having in the aggregate a total brake power of not less than 750 KW for auxiliary purposes, one for each 750 kW brake power or part thereof. At least two but no more than six shall be provided in any such space.
≥20m <25m	Three suitable for extinguishing oil fires for use in each space containing propelling machinery.
≥15m <20m	Two suitable for extinguishing oil fires for use in each space containing propelling machinery.
<15m	One suitable for extinguishing oil fires for use in each space containing propelling machinery.
Sand	
	Each boiler firing space shall be provided with the following:
≥25m	(a) 0.25 cubic metres of sand or other dry material suitable for quenching oil fires. A scoop shall be provided for distribution ;or (b) An additional portable fire extinguisher suitable for extinguishing oil fires.

Fire Smothering Blanket	
All vessels	One in a galley where the overall deck area is less than 15 square metres and two in larger galleys.
Firemen's Outfits	
All vessels	Firemen's outfits shall comply with section 11 of the USL code Appendix H
≥50m	Two together with an additional outfit for each 30 metres in length of vessel or part thereof in excess of 80 metres. At least two outfits shall include breathing apparatus of the air hose type. In any vessel which only carries firemen's outfits of the air hose type and a air hose exceeding 30 metres would be necessary to reach from the open to any part of the accommodation, service, cargo or machinery spaces then: At least two additional sets of breathing apparatus of the self-contained type shall be provided.
International Shore Connection	
≥1000 tons	One complying with section 11 of the USL code Appendix J
Fireman's Axe	
≥25m <50m	One fire axe

Further information

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