



CLASS 3C VESSEL EQUIPMENT LIST

This Fact Sheet provides a general description of the class 3C vessel equipment list.

A < B **means** A is less than B (OR B is greater than A);

A > B **means** A is greater than B (OR B is less than A);

A ≤ B **means** A is less or equal to B (OR B is greater or equal to A);

A ≥ B **means** A is greater or equal to B (OR B is less or equal to A);

tons **means** gross tons, L **means** measured length in metres

LIFE SAVING APPLIANCES

Liferafts and Rescue Boats	3C
Inflatable coastal liferaft/s for 100% complement and a non Solas Rescue Boat	L ≥ 25 m
Inflatable coastal liferaft/s for 100% complement	L < 25 m
Inflatable coastal liferaft/s for 100% complement, or Internal buoyancy as per Section 10 of the USL Code Appendix N	L < 15 m

Lifebuoys	3C
8 x lifebuoys minimum. 2 with light and smoke signals, 2 with lights and 2 with buoyant lines. (L2)	L ≥ 60 m
6 x lifebuoys minimum. 2 with light and smoke signals, 1 with light and 2 with buoyant lines. (L2)	45 ≤ L < 60 m
4 x lifebuoys minimum. 2 with lights and 2 with buoyant lines. (L2)	25 ≤ L < 45 m
2x lifebuoys minimum. 1 with light and 1 with buoyant line. (L2)	15 ≤ L < 25 m
1x lifebuoy minimum with a light (L1, L2, L4)	L < 15 m

- Key:**
- (L1)** Vessels operating within 15 nautical miles from the coast with 2 crew or less may carry 2 lifebuoys or buoyant appliances in lieu of liferaft/internal buoyancy.
 - (L2)** Light and smoke signals shall be self-activating
 - (L4)** Not required if:
 - a vessel is less than 10 metres in length and carries only one person or;
 - a vessel is less than 5 metres in length and is fitted with internal buoyancy as per Section 10 of the USL Code Appendix N

Lifejackets	3C
Coastal lifejacket with a whistle and a self-activating light for 100% complement: (L5)	All lengths

Distress Signals	3C
EPIRB (406 MHz)	All lengths
Parachute distress rockets [Quantity to be carried: 6]	L ≥ 25 m
Parachute distress rockets [Quantity to be carried: 3]	L < 25 m
Red hand-held flares [Quantity to be carried: 4]	L ≥ 25 m
Red hand-held flares [Quantity to be carried: 2]	L < 25 m
Hand-held orange smoke signals [Quantity to be carried: 2]	L ≥ 25 m
Hand-held orange smoke signals [Quantity to be carried: 1]	L < 25 m

On-board Communications and Alarm Systems	3C
Electric alarm system for mustering crew and passengers (where efficient mustering cannot be carried out by voice)	L ≥ 25 m

Emergency Electrical Installation/Equipment	3C
<ul style="list-style-type: none"> (1) a number of electric torches or hand lamps as determined by the Authority (2) emergency installation capable of operating navigation lights (where solely electric) for 3 hours, and (E1) (3) emergency installation capable of operating signalling lamps (where they are normally operated from main electrical power source) and communication equipment for 3 hours. (E1) 	All lengths

(E1) In relation to (2) and (3) the emergency installation can be the normal starting batteries provided they are suitably placed in the vessel.

Miscellaneous Equipment	3C
Deck watch or clock	All lengths
Speed log and distance indicator	All lengths
Binoculars	All lengths
Mechanical depth sounder	All lengths
Signalling light	All lengths
“V” distress sheet	L < 15 m
Charts and nautical publications for the vessel's area or operation	All lengths
Gangway capable of being used on each side of the vessel or a safe means of access approved by the Authority	All lengths
Windlass anchors and cables	All lengths
Hawsers and warps	All lengths
Medical stores in accordance with Appendix L (Scale F first aid kit)	All lengths
Vessel record book	L ≥ 10 m
Navigation lights and day shapes as per the Prevention of Collision at Sea Regulations	All lengths
Radio: HR single side band with minimum frequencies 4125, 6215, 8291 and 8176	All lengths
Sound signal	All lengths
Bell (minimum 300mm diameter)	L ≥ 20 m
Compass (M1)	All lengths
Bilge pumps (M2)	All lengths
Self contained breathing apparatus (M3)	L ≥ 25 m
Canister respirator (M4)	L < 25 m

(M1) Minimum diameter of compass:-

75 mm diameter for vessels L < 10 m;

100 mm diameter for vessels $10\text{m} \leq L < 20\text{ m}$;

125 mm diameter for vessels L ≥ 20 m.

(M2) Number and minimum capacity of bilge pumps in table below

(M3) Vessels that have refrigeration machinery on board are required to carry a breathing apparatus in a position that is not likely to become inaccessible in the event of a gas leakage.

(M4) Required on vessels that have ammonia as a refrigerant. To be located in a position that is not likely to become inaccessible in the event of a gas leakage

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

FIRE FIGHTING EQUIPMENT

Tons = Gross Tonnage

SIZE	REQUIREMENTS
Main Fire Pumps	
L ≥ 25 m	One fire pump complying with Section 11 of the USL Code Appendix B, capable of delivering a jet from any fire hydrant.
15 m ≤ L < 25 m	One power driven fire pump capable of delivering one jet of water from any hydrant, hose or nozzle whilst maintaining a pressure of 150 kPa.
Emergency Fire Pumps to Appendix C	
L ≥ 25 m	If main fire pump, its source of power and sea connections are not situated outside the compartment containing oil fired boilers or internal combustion propelling machinery. A manually operated emergency fire pump complying with section 11 of the USL code Appendix C in a position outside that compartment.
Fire main Water Service Pipes, Hydrants (other than hydrants in boiler and machinery spaces) and Jets of Water	
L ≥ 15 m	Shall comply with section 11 of the USL code Appendix D and provide one jet of water in accordance with sub-item 1.4 of Appendix D
Hoses	
	Fire hoses and their fittings shall comply with section 11 of the USL code Appendix D. The hoses required shall be in addition to any hoses required for the machinery spaces.
L ≥ 25 m	Two, the total length shall be at least 50% of the length or the vessel. A spare hose shall be provided in addition to such hoses.
15 m ≤ L < 25 m	One hose

Fixed Fire Extinguishing installations Machinery Space	
$L \geq 25 \text{ m}$	<p>One installation complying with Section 11 of the USL Code Appendix E for the protection of any space containing:</p> <p>(a) any oil-fired boiler, oil fuel settling tank or oil fuel unit.</p> <p>(b) 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.</p> <p>Vessels of 500 tons and over but less than 1000 tons may use steam in lieu of foam, water or gas.</p>
$12.5 \leq L < 25 \text{ m}$	<p>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.</p> <p>There may be substituted for this installation a water spraying system supplied from a hand pump situated outside the machinery space. The pump shall be connected by fixed piping to a sufficient number of water spraying nozzles suitably sited in the machinery space and capable of extinguishing oil fires. When such a system is installed means shall be provide for detecting the product of combustion prior to or resulting from an outbreak of fire in the machinery space.</p>
Portable Fire Extinguishers	
	Portable fire extinguishers shall comply with Section 11 of the USL Code Appendix G
	Accommodation
$L \geq 25 \text{ m}$	A sufficient number to ensure that one will be readily available for use in any part of the accommodation or service spaces, but not less than two.
$15 \text{ m} \leq L < 25 \text{ m}$	One readily available for use in the accommodation and service space.
	Engine spaces
$L \geq 25 \text{ m}$	<p>(a) Two, suitable for extinguishing oil fires, in each firing space and each space containing any part of an oil fuel installation</p> <p>(b) In each unmanned machinery space which contains 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. The extinguisher shall be suitable for extinguishing oil fires.</p> <p>(c) In each space which is continually manned at sea and which contains internal combustion type machinery used for main propulsion, of having in the aggregate a total brake power of not less than 750 kW for auxiliary purposes, and which is not provided with:</p> <p>(1) a foam fire extinguisher of 45 litres capacity or a carbon dioxide fire extinguisher of 15 kilograms capacity together with two portable fire extinguishers; or</p> <p>(2) a fixed fire extinguishing installation complying with Appendix E together with two portable fire extinguishers</p> <p>One portable fire extinguisher suitable for extinguishing oil fires for each 75 kW brake power or part thereof but not less than two nor more than seven.</p>
$10\text{m} \leq L < 25\text{m}$	<p>One portable fire extinguisher suitable for extinguishing oil fires for each 75 kW brake power or part thereof but not less than two nor more than seven.</p> <p>Two suitable for extinguishing oil fires for use in each space containing propelling machinery.</p>
$L < 10\text{m}$	One suitable for extinguishing oil fires for use in each space containing propelling machinery or vessels propelled by outboards.
Sand	
$L \geq 25\text{m}$	<p>Each boiler firing space shall be provided with the following:-</p> <p>a) 0.15 cubic metres of sand or other dry material suitable for quenching oil fires. A scoop shall be provided for distribution; or</p> <p>(b) An additional portable fire extinguisher suitable for extinguishing oil fires.</p>

Fire Smothering Blanket	
L ≥ 25 m	One in a galley where the overall deck area is less than 15 square metres and two in larger galleys.
Fireman's Axe	
L ≥ 35 m	One fire axe
Fire Buckets	
10 m ≤ L < 25 m	Two metal 9 litre buckets with lanyards
L < 10 m	One metal 9 litre bucket with lanyard

Further information

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