

Class 3E Survey Equipment List



Commercial Marine Services | **FACT SHEET**

This Fact Sheet provides a general description of the class 3E survey equipment list.

< means less than, > means greater than

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

tons means gross tons, xxm means measured length in metres

LIFE SAVING APPLIANCES

Lifebuoys	3E
2 x lifebuoys minimum. 1 with light (L2)	≥ 15m (L3)
1x lifebuoy minimum with a light (L2)	< 15m (L3)

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

Lifejackets	3E
Coastal lifejackets for 100% compliment (L3)	All lengths

Key: (L3) Included in the buoyant appliances

Distress Signals	3E
EPIRB (121.5/243 or 406) ¹	(D1)
Parachute distress rockets [Quantity to be carried shown (x)]	(D1)
Red hand-held flares [Quantity to be carried shown (x)]	(D1)
Hand-held orange smoke signals [Quantity to be carried shown (x)]	(D1)

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

(D1) Appropriate for area of operation

For further information

call: 08 8348 9543

email: DPTI.Commercialmarineservices@sa.gov.au

visit: www.dpti.sa.gov.au/marine/survey



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Emergency Electrical Installation/Equipment	3E
A number or electrical torches as determined by the Authority	All lengths

Miscellaneous Equipment	3E
Signalling light	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	All lengths
Navigation lights and day shapes as per the Prevention of Collision at Sea Regulations	All lengths
Radio: HF single side band with minimum frequencies 4125, 6215, 8291 and 8176	(M2)
Bell (minimum 300mm)	L ≥ 20m
Sound signal	All lengths
Bilge pumps (M4)	All lengths
Self contained breathing apparatus (M5)	≥25m
Canister respirator (M6)	<25m

- (M1)** Class 3D and 3E vessels not fitted with navigation lights are restricted to operation in daylight hours only.
- (M2)** A means of radio communication is required
- (M3)** 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.
- (M4)** Number and minimum capacity of bilge pumps
- (M5)** 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.
- (M6)** 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

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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

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SIZE	REQUIREMENTS
Main Fire Pumps	
≥25m	One fire pump complying with Section 11 of the USL Code Appendix B, capable of delivering a jet from any fire hydrant.
≥15m <25m	One power driven fire pump capable of delivering one jet of water from any hydrant, hose or nozzle whilst maintaining a pressure of 150kPa.
Emergency Fire Pumps to Appendix C	
≥15m	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.
≥25m	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.
≥15m <25m	One hose

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Portable Fire Extinguishers

	Portable fire extinguishers shall comply with Section 11 of the USL Code Appendix G
	Accommodation
≥25m	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.
≥15m <25m	One readily available for use in the accommodation and service spaces.
	Machinery spaces
≥25m	<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 that 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 extinguishers 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 less than 750kW for auxiliary purposes, and which is not provided with:</p> <ol style="list-style-type: none">(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(2) a fixed fire extinguishing installation complying with Appendix E together with two portable fire extinguishers <p>One portable fire extinguisher suitable for extinguishing oil fires for each 75kW brake power or part thereof but not less than two nor more than seven.</p>
≥10m <25	Two suitable for extinguishing oil fires for use in each space containing propelling machinery.
<10m	One suitable for extinguishing oil fires for use in each space containing propelling machinery or outboard engines.

Sand

3E	Each boiler firing space shall be provided with the following
≥25m	<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>

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Fireman's Axe

≥35m	One fire axe
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Fire Buckets

≥10m <25m	Two metal 9 litre buckets with lanyards
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<10m	One metal 9 litre buckets with lanyard
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Further information

Contact the Department of Planning, Transport and Infrastructure:

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