

# Class 3D Vessel Equipment List



Commercial Marine Services | **FACT SHEET**

This Fact Sheet provides a general description of the class 3D vessel 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

| <b>Buoyant Appliances (general)</b>   | <b>3D</b>          |
|---|--------------------|
| A dinghy and sufficient buoyant appliances and/ or lifebuoys to provide float off buoyancy for 100% complement. <b>(L1)</b>   | L ≥ 25m            |
| Sufficient buoyant appliances and/or lifebuoys to provide float-off buoyancy for 100% complement. A dinghy may be included. <b>(L1)</b>                                       | L ≥ 10m<br>L < 25m |
| Buoyant appliances and/or lifebuoys for 100% complement, or <b>(L1)</b><br>A dinghy for 100% complement, or<br>Internal buoyancy as per Section 10 of the USL code Appendix N | L < 10m            |
| <b>(L1)</b> A lifebuoy is assumed to support 2 persons  |                    |
| <b>Lifebuoys</b>  | <b>3D</b>          |
| 2 x lifebuoys minimum. 1 with light <b>(L2)(L3)</b>   | L ≥ 15m            |
| 1x lifebuoy minimum with a light <b>(L2)(L3)</b>  | L < 15m            |

### Key:

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

**(L3)** Included in the buoyant appliances

## For further information

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visit: [www.dpti.sa.gov.au/marine/survey](http://www.dpti.sa.gov.au/marine/survey)



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|  |             |
|--|-------------|
| <b>Lifejackets</b>   | <b>3D</b>   |
| Coastal lifejackets for 100% complement  | All lengths |
| <b>Distress Signals</b>  | <b>3D</b>   |
| EPIRB (406 MHz) <sup>1</sup>   | <b>(D1)</b> |
| Red hand-held flares [Quantity to be carried: 2]   | All lengths |
| Hand-held orange smoke signals [Quantity to be carried: 2]   | All lengths |
| - <sup>1</sup> 121.5/243 MHz frequencies will not be in use after February 2009<br><b>(D1)</b> Appropriate for area of operation |             |

|  |             |
|--|-------------|
| <b>Miscellaneous Equipment</b>   | <b>3D</b>   |
| 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 <b>(M1)</b>           | All lengths |
| Radio: HF single side band with minimum frequencies 4125, 6215, 8291 and 8176 <b>(M2)</b>                    | All lengths |
| Sound signal   | All lengths |
| Bell (300mm minimum diameter)  | L ≥ 20m     |
| Bilge pumps <b>(M3)</b>  | All lengths |
| Self contained breathing apparatus <b>(M4)</b>   | L ≥ 25m     |
| Canister respirator <b>(M5)</b>  | L < 25m     |

- (M1)** Class 3D and 3E vessels not fitted with navigation lights are restricted to operation in daylight hours only.
- (M2)** VHF radio is allowed if a watch is maintained by a coast or limited coast station.
- (M3)** Number and minimum capacity of bilge pumps given in following table.
- (M4)** 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.
- (M5)** 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

| SIZE  | REQUIREMENTS  |
|---|---|
| <b>Main Fire Pumps</b>  |   |
| L ≥ 25m   | One fire pump complying with Section 11 of the USL Code Appendix B, capable of delivering a jet from any fire hydrant.  |
| 15m ≤ L < 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.   |
| <b>Emergency Fire Pumps to Appendix C</b>   |   |
| L ≥ 25m   | 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.<br>A manually operated emergency fire pump complying with Section 11 of the USL Code Appendix C in a position outside that compartment. |
| <b>Fire main Water Service Pipes, Hydrants (other than hydrants in boiler and machinery spaces) and Jets of Water</b> |   |
| L ≥ 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  |

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| <b>Hoses</b>  |  |
|---|--|
|   | 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.   |
| $L \geq 25m$  | Two, the total length shall be at least 50% of the length of the vessel. A spare hose shall be provided in addition to such hoses.   |
| $15m \leq L < 25m$  | One hose   |
| <b>Fixed Fire Extinguishing installations Machinery Space</b> |  |
| $L \geq 25m$  | <p>Vessel fitted with oil fired boilers or internal combustion machinery used for main propulsion and decked in way of 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 provided for detecting the product of combustion prior to or resulting from an outbreak of fire in the machinery space.</p>  |
| <b>Portable Fire Extinguishers</b>                            |  |
|   | Portable fire extinguishers shall comply with Section 11 of the USL Code Appendix G  |
|   | <b>Accommodation</b>   |
| $L \geq 25m$  | 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.  |
| $15m \leq L < 25m$  | One readily available for use in the accommodation and service spaces.   |
|   | <b>Machinery spaces</b>  |
| $L \geq 25m$  | <ul style="list-style-type: none"> <li>a) Two, suitable for extinguishing oil fires, in each firing space and each space containing any part of an oil fuel installation.</li> <li>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.</li> <li>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:</li> </ul> |

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|                      |  |
|----------------------|--|
|                      | <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 75kW brake power or part there of but not less than two nor more than seven.</p> |
| 10m ≤ L <25          | Two suitable for extinguishing oil fires for use in each space containing propelling machinery.  |
| L <10m               | One suitable for extinguishing oil fires for use in each space containing propelling machinery or outboard engines.  |
| <b>Sand</b>          |  |
|                      | Each boiler firing space shall be provided with the following  |
| L ≥ 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>  |
| <b>Fireman's Axe</b> |  |
| L ≥ 35m              | One fire axe   |
| <b>Fire Buckets</b>  |  |
| 10m ≤ L <25          | Two metal 9 litre buckets with lanyards  |
| L < 10m              | One metal 9 litre buckets with lanyard   |

**Further information**

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