



USE OF LIFE CELL PRODUCTS ON DOMESTIC COMMERCIAL VESSELS

This document describes a solution that the National Regulator considers may achieve the outcome required by the applicable standard, within the limits of the service category of the vessel on which the solution is implemented. It is not the only solution that may achieve the required outcome.

Application

This generic equivalent solution applies to the use of the Life Cell products as a buoyant appliance and for stowage of safety equipment including pyrotechnics and smoke signals. It is available for vessels that are required to carry buoyance appliances, pyrotechnics and/or smoke signals in accordance with chapter 5.3 NSCV section C7A.

Current Requirement

Chapter 5.3 of NSCV section C7A requires class 1, 2 and 3 vessels operating in areas D or E (partially smooth waters or smooth waters) to carry buoyant appliances.

Chapter 4.10 of NSCV section C7A requires pyrotechnic and smoke signals to be stowed in a buoyant watertight container, fitted with a handle or lanyard. The container shall be clearly and permanently marked as to its contents. For all classes of vessel the container shall be readily accessible and on Class 3 vessels mounted in a float free position.

Equivalent Solution

A Life Cell device is deemed to satisfy the requirements of a buoyant appliance, for the number of persons it has been tested for, provided the following conditions are met:

1. A Grab-line is to be fitted to the perimeter of the device;
2. A Painter with a breaking strength of 10 kN is to be fitted to the device;
3. Both the top and bottom of the device are to be fitted with strips of retro-reflective tape;
4. The parent vessel's identification number and the number of persons for which it is intended for written clearly on the top and bottom; and
5. The design specifications and manufacturing quality of the devices is not altered from the models tested by VicLab on 23/06/2015.

The rated buoyant capacity of the Life Cell, is to be as per the testing undertaken by VicLab.

A Life Cell device is deemed to satisfy the requirements for stowage of safety equipment including pyrotechnic and smoke signals provided the following conditions are met:

1. The container clearly and permanently marked as to its contents;
2. On Class 1 and Class 2 vessels the container shall be readily accessible to the crew; and
3. On Class 3 vessels the container shall be mounted in a float free position and be readily accessible.

The following models of Life Cell products may be used for Domestic Commercial Vessels as follows:

- 'Trailer Boat' model – Not a suitable buoyant appliance, may be used as a means of storing safety equipment
- 'Yachtsman' model – Capacity to support one person
- 'Trawlerman' model – Capacity to support two persons
- 'Crewman' model – Capacity to support two persons

Capacity of the models described above is derived from buoyancy test report 150558 dated 23/06/2015, provided by VicLab Pty Ltd.

<http://lifecellmarine.com.au/>