

MOBILARM V100 VPIRB COMPLIANCE WITH STANDARDS

The Mobilarm V100 VPIRB has been designed to comply with all applicable national and international marine radio and MSLD standards. The major standards are detailed in the following sections – a complete list may be found in Annex A.

The Mobilarm V100 VPIRB technical specifications may be found in the *Mobilarm V100 VPIRB Technical Specifications* document.

International DSC technical protocol

The DSC message protocol is defined in International Telecommunications Union (ITU) Recommendation ITU-R M.493-11.

International climatic and durability standards

The environmental and physical requirements (i.e. heat, shock, vibration, etc) for marine radio equipment are defined in International Electrotechnical Commission (IEC) Standard 60945.

US standards

The US marine radio standards development body - Radio Technical Commission for Maritime Services - has developed a MSLD standard with a DSC-specific section – RTCM standard 11901.0 – Maritime Survivor Locating Devices.

Australian standards

At the moment, there is no Australian Standard that specifically covers DSC MSLD. The closest standard is that for a 121.5 MHz MSLS - AS/NZS 4869.1:2006 Maritime Survivor Locating Systems (MSLS) - Operating on 121.5 MHz.

Standards Australia Committee RC/4 is currently developing a MSLS standard specifically covering DSC. This will be largely based on international and US standards.

General requirements for VHF marine radio transmitters are defined in Australian Communications and Media Authority class licence – (Radiocommunications VHF Radiotelephone Equipment - Maritime Mobile Service) Standard 2004 and the Australian VHF marine radio standard - AS/NZS 4415.2:2003