

THE NEXT GENERATION IN MARINE EMERGENCY LOCATOR BEACONS

CREWSAFE V1000



Actual size



Ensure a quick and effective rescue in a man overboard event with the Crewsafe V100, the first Maritime Survivor Locating Device to use VHF radio to automatically transmit a man overboard distress alert to multiple receivers up to 10 nautical miles away.#

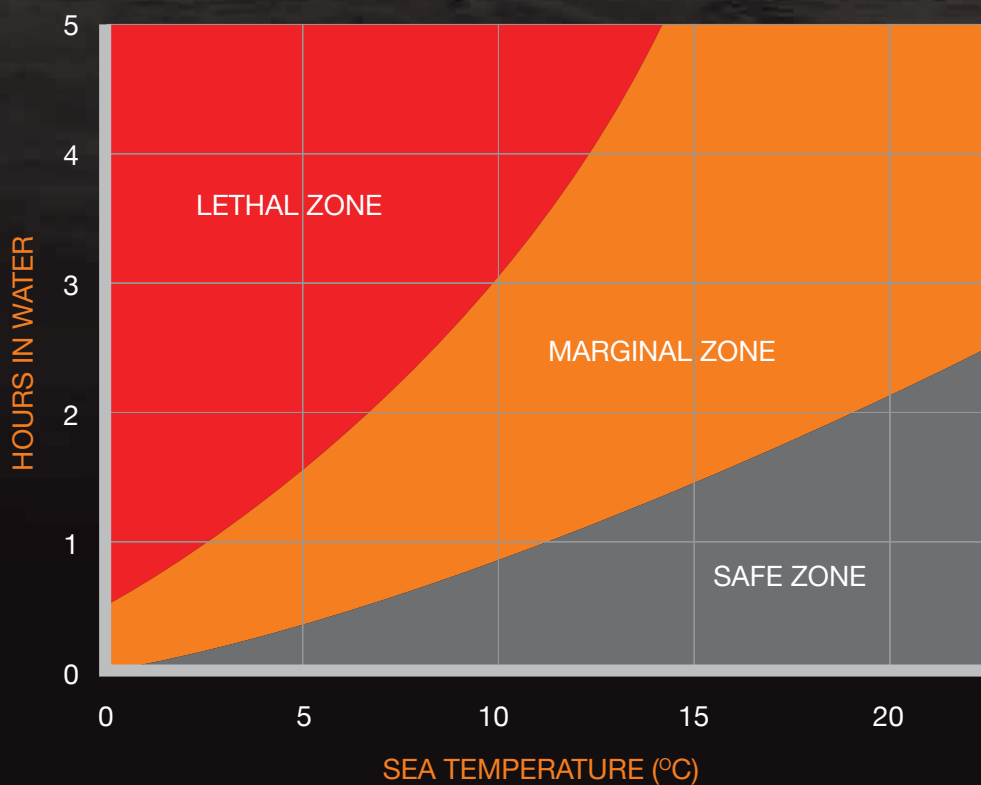
Actual alerting radius dependent on sea state and altitude of receiving antenna.



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Chances of survival in a man overboard event are directly related to the length of time spent in the water. Simply speaking, the sooner you are retrieved, the more likely you are to survive.



DUTY OF CARE IN THE MARINE WORKPLACE

The unique risks to employee safety in the commercial marine workplace, such as unsteady working platforms, rough seas and poor visibility, increase the likelihood of slips and trips. This, coupled with operating alone or at night or suffering a split-second lapse of concentration during a long shift, can all be contributing factors to a fall overboard, which is the single largest cause of marine fatalities.¹

While it is difficult for employers to completely remove the risk of a man overboard event occurring, how the situation is managed directly affects the outcome. Man overboard drills and procedures are frequently practiced and reviewed, employees are supplied with life vests and vessels are equipped with safety equipment. But these alone do not alert the captain or crew that someone has fallen overboard, and do not help the casualty to be found.

Providing crew in an at-risk environment with the Crewsafe V100 will vastly improve their chances of survival following a man overboard event by instantly alerting the captain and crew to the emergency and providing precise GPS coordinates directly to the vessel's radio.

¹ National Marine Safety Committee 2005-2006



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HOW IT WORKS

2 GPS COORDINATES

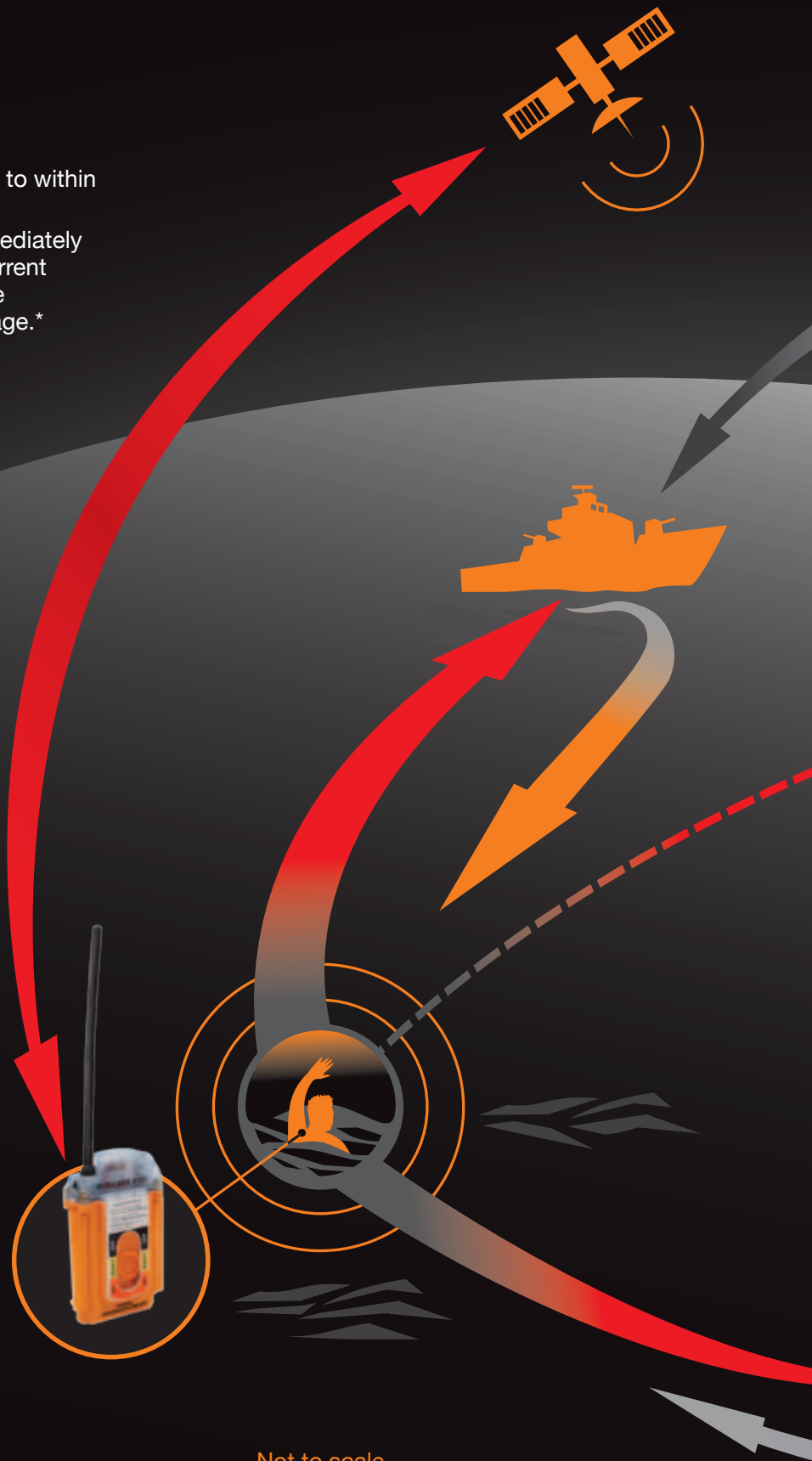
GPS pinpoints the casualty's position to within 10 metres.

Acquiring a GPS position begins immediately and as soon as a lock is obtained, current latitude and longitude coordinates are transmitted via DSC and voice message.*

1 WATER ACTIVATED

Inbuilt water sensors activate the device if the wearer falls overboard.

Even if the casualty is incapacitated or unconscious, the Crewsafe V100 will begin emergency transmission, though the device can also be manually activated.



3 VHF DSC AND VOICE MESSAGE

The only equipment needed to receive the distress alert is a VHF radio.

VHF DSC radios will receive the automated DSC alert first, which triggers the radio alarm, and VHF radios will pick up the voice message on channel 16.* All marine search and rescue authorities, SOLAS-compliant commercial vessels and a growing number of leisure craft are equipped with DSC-compatible VHF radios.

4 REGULAR TRANSMISSION

The distress alert is repeated at regular intervals to track and locate the casualty in the water.

An updated message is transmitted every 5 minutes in the first 30 minutes after activation, then every 10 minutes for at least 12 hours, or until the beacon is switched off.

5 FASTER RESCUE

Only the Crewsafe V100 provides the people in the best position to rescue the casualty – the crew aboard the closest vessel – with their exact location, directly and without delay.

Other Personal Locator Beacons (such as 406 PLBs) only transmit an emergency signal via satellite to a land-based rescue coordination centre, which can add precious minutes or hours before rescue can begin.

* Profile dependent.



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A CLEAR COMMITMENT TO MARINE SAFETY

The Crewsafe V100 addresses the challenge of automatically detecting a man overboard event, improves recovery time and will ultimately reduce the number of lives lost because of falls overboard.

This palm-sized, personal safety device can be easily incorporated into existing safety equipment regimes. The rugged, fully waterproof construction of the Crewsafe V100, complete with strobe light to assist visual homing, makes it ideal for use in the harshest of marine environments.



ANNUAL RECERTIFICATION SERVICE

Your Crewsafe V100 is designed and built to operate in the harshest marine environments, but annual servicing and recertification is highly recommended to ensure the effects of continuous use in such exposed conditions will not compromise the integrity of this lifesaving device.

By having your Crewsafe V100 inspected and recertified every 12 months, you will increase its life expectancy and most importantly, be confident that you and your crew can rely on it to perform exactly as it is designed to, when you need it most.

Fully Inclusive and Standard options available. See the Crewsafe V100 Annual Recertification Service brochure for more details.

- Automatic detection and notification of a man overboard event
- Uses existing GMDSS/VHF radio infrastructure - no requirement for specialist equipment or services such as direction finding or satellites
- Provides real-time position coordinates, updated and transmitted at regular intervals to all VHF receivers in range.*
- Maximises a casualty's chances of survival by transmitting a distress alert that can be received simultaneously by as many people as possible, all of whom can participate in the search and rescue effort
- Cost-effective and suitable for use by any maritime organisation or individual and on any type of vessel or facility

* Profile dependent.



INTEGRATE THE CREWSAFE V100 WITH YOUR PFD

The Crewsafe V100 is designed to integrate easily with your Personal Flotation Device (PFD) or lifejacket so that you always have it with you whenever you wear your PFD. The device can also be attached to a harness or webbing.

See the Crewsafe V100 Lifejacket Integration brochure for more details or speak to your Mobilarm representative.



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Mobilarm is the world's leading brand in electronic marine safety equipment that protects and saves lives in the commercial marine workplace. Mobilarm delivers crew monitoring and alarm systems for use on vessels and in marine facilities, which generate automatic and immediate alerts in emergencies involving marine personnel.

SPECIFICATIONS

Operating Time	Minimum 12 hours emergency operation at -10°C (14°F) and longer in warmer conditions
Battery Life at +20°C	5 years service life
Power Output	1W (100mW during testing)
Alerting Radius	2 to 10 nautical miles depending on sea state and height/altitude of receiving antenna
Environmental Resistance	IP68 (10 metres for 5 minutes)
Time to First GPS Fix	Typically 45 to 60 seconds

ORDERING INFORMATION

Part Number	Product Description
MOA-00200	Crewsafe V100 Open Loop (Australia/New Zealand only)
MOA-00250	Crewsafe V100 Open Loop (International)
MOA-00252	Crewsafe V100 Closed Loop (International)
MOA-00251	Crewsafe V100 Closed Loop (French)
MOA-00253	Crewsafe V100 Closed Loop (Spanish)
MOA-00254	Crewsafe V100 Closed Loop (Portuguese)
MOA-00201	Crewsafe V100 3-Year Extended Warranty
MOA-00202	Crewsafe V100 Water Sensing Extension Kit
MOA-00203	Crewsafe V100 Long Wire Antenna
MOA-00262	Crewsafe V100 Recertification Service – Fully Inclusive
MOA-00263	Crewsafe V100 Recertification Service – Standard

For full product details and information on Mobilarm products, including the Crewsafe V100 Annual Recertification Service, visit www.mobilarm.com

REGIONAL PROFILES

The Crewsafe V100 is configured with a regional profile, described as Open Loop or Closed Loop, that complies with the regulatory requirements for a particular region. The profiles address differences relating to channels and frequencies of operation, timing and destination of transmissions, and message type, category, interval and content.

The Open Loop regional profile permits transmission of a VHF DSC Distress alert to All Stations and voice transmission on channel 16. The Closed Loop profile prohibits any voice transmission and only allows transmission of the VHF DSC alert as a Distress Relay to up to 8 MMSI destinations, which must be pre-programmed into the device.

For more information regarding these Regional Profiles, please visit our website, www.mobilarm.com/page/regionalprofiles.html

The Crewsafe V100 is not a 406 PLB or EPIRB and its emergency signal will not be detected by satellites – only marine VHF transceivers in range will receive the distress alert transmitted by this device. The Crewsafe V100 is a distress alert transmission device that should only be activated in an emergency. Misuse or false activation is unlawful and irresponsible, and could result in prosecution or penalty.

No device is 100% fail safe nor can it guarantee safe rescue in an emergency. When activated, the Crewsafe V100 broadcasts a distress alert via VHF DSC (Digital Selective Calling) and VHF voice message (if permitted) to VHF DSC and VHF radio equipped vessels or facilities within range, but requires subsequent human interaction to acknowledge and respond to the distress alert.

Satellite GPS lock and in-water tracking is dependent on the extent of satellite system coverage and reception at the time and location of the emergency. The actual time and success of rescue is therefore dependent on all these contributing factors and as such, is outside the control of Mobilarm.