



**UNITED STATES COAST GUARD**

U.S. Department of Homeland Security

## **MARINE SAFETY ALERT**

Assistant Commandant for Marine Safety, Security and Stewardship

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Washington, DC

Alert 04-11

### **MARINER'S SAFETY ENDANGERED WHEN VHF RADIO DISTRESS ALERTS BY DIGITAL SELECTIVE CALLING (DSC) LACK LOCATION AND IDENTIFICATION INFORMATION**

As the Coast Guard's new marine radio network Rescue 21 becomes operational throughout the U.S., rescue centers can now receive instant distress alerts from commonly used DSC-capable VHF marine radios. However, approximately 90% of VHF DSC distress alerts received by the Coast Guard do not contain position information, and approximately 60% do not contain a registered identity. The Coast Guard cannot effectively respond to a DSC distress alert sent from such a radio.

This means that search and rescue efforts may normally be suspended when:

- no communications with the distressed vessel can be established,
- no further information or means of contacting the vessel can be obtained from other sources, and
- no position information is known.

### **HELP US HELP YOU**

**FIRST** Obtain a Maritime Mobile Installation Identity (MMSI) and enter it into your radio. MMSI numbers are issued by the Federal Communications Commission if your vessel otherwise requires a station license, or BOATUS, (<http://www.boatus.com/mmsi>), Sea Tow (<http://www.seatow.com/mmsi>), or the U.S. Power Squadrons (<http://www.usps.org/php/mmsi>). Ensure any information originally provided is updated as changes occur. FCC regulations require that DSC-equipped radios "use MMSIs assigned by the Commission or its designees" (47 CFR 80.103(b)).

**THEN** Interconnect your radio to a GPS receiver using a two-wire NMEA 0183 interface on all DSC-equipped marine radios and on most GPS receivers. Instructions should be provided in the radio and GPS operators manual. Further information is provided and will be routinely updated in <http://www.navcen.uscg.gov/?pageName=mtDsc>.

Developed by the Spectrum Management and Telecommunications Policy Division (CG-652), United States Coast Guard Headquarters, Washington, DC. Questions should be directed to Mr. Russell Levin at (202) 475 3555 or [Russell.S.Levin@uscg.mil](mailto:Russell.S.Levin@uscg.mil).

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