

MSC Guidelines for Review of Communications/Sound Powered Phones

Procedure Number: E2-3

Revision Date: 01/26/00

References

- a. Title 46 CFR 113.30 (J)
- b. Title 46 CFR 121.602, 121.610 (K)
- c. Title 46 CFR 133.60 (L)
- d. Title 46 CFR 184.602, 184.610 (T)
- e. IEEE Std 45 (1983) Section 37.22
- f. Navigation and Inspection Circular (NVIC) 2-89, "Guide for Electrical Installations on Merchant Vessels and Mobile Offshore Drilling Units"
- g. Safety Of Life at Sea (SOLAS), Consolidated Editions, 1997, Chapter IV, Part A (page 287)

Disclaimer

These guidelines were developed by the Marine Safety Center staff as an aid in the preparation and review of vessel plans and submissions. They were developed to supplement existing guidance. They are not intended to substitute or replace laws, regulations, or other official Coast Guard policy documents. The responsibility to demonstrate compliance with all applicable laws and regulations still rests with the plan submitter. The Coast Guard and the U. S. Department of Transportation expressly disclaim liability resulting from the use of this document.

Contact Information

If you have any questions or comments concerning this document, please contact the Marine Safety Center by e-mail or phone. Please refer to the Procedure Number: E2-3.

E-mail: customerservicemsc@uscg.mil

Phone: 202-366-6480.

- All self-propelled vessels must have a communication system between the navigation bridge, steering gear room (if outside engineroom), alternative steering station (if outside engineroom), engine control room and control

Communications/Sound Powered Phones (cont.)

Room on MODUs (if self propelled), and the engineering officer's accommodations, if the vessel is a Part 62 automated vessel. Title 46 CFR 113.30-5(a)

- ❑ A communication system may be required in a locations where the following equipment is located: Master Gyrocompass, Radar, Radio and Radio direction finders, emergency squad lockers, fire of smoke detecting control units, lookout stations, engineroom control stations, captains and chief engineer's offices and stateroom, emergency power room, carbon dioxide control room, and fire pump room. Title 46 CFR 113.30-5(b)
 - ❑ The comms system must be independent of the vessel's electrical system. Title 46 CFR 113.30-3(b)
 - ❑ Talk and call circuits must be separate. Title 46 CFR 113.30-25(g)
 - ❑ Voice Comms cables must be run as near the centerline of the vessel as possible, and never through high fire risk spaces (machinery rooms and galleys). Title 46 CFR 113.30-25(i)
 - ❑ Sound Powered Phones must meet the component requirements in Title 46 CFR 113.30-25(a). Also see NVIC 2-89 page 40 (5.3).
 - ❑ Comms Stations in noisy locations must be enclosed by a booth of other equipment to allow reliable voice comms during vessel operations. If the audible signal cannot be heard throughout the space, there must be a visual device (light). This light must draw power from the emergency bus. Title 46 CFR 113.30-25(d)-(e)
 - ❑ Comms stations exposed to the weather that have a common circuit with required stations must have a cut-out switch on the navigating bridge for isolation. Title 46 CFR 113.30-20(b)
-