

Subpart D—Navigation Equipment**§ 121.402 Compasses.**

(a) Except as otherwise provided in this section every vessel must be fitted with a suitable magnetic compass designed for marine use, to be mounted at the primary operating station.

(b) The following vessels need not be fitted with a compass:

- (1) A vessel on a rivers route;
- (2) A non-self-propelled vessel; and
- (3) A vessel operating on short restricted routes on lakes, bays, and sounds.

(c) Except on a vessel limited to daytime operations, the compass must be illuminated.

§ 121.404 Radars.

(a) Except as allowed by paragraph (b) of this section, all self-propelled vessels must be fitted with a Federal Communications Commission (FCC) type accepted general marine radar system for surface navigation with a radar screen mounted at the primary operating station.

(b) The following vessels are not required to carry a radar:

- (1) A ferry that operates on a rivers route within one mile of land; and
- (2) A vessel operated on a short restricted route, when the cognizant OCMI has determined that a radar is not necessary due to the vessel's route and local weather conditions.

(c) The radar and its installation must be suitable for the intended speed and route of the vessel.

§ 121.410 Electronic position fixing devices.

A vessel on an oceans route must be equipped with an electronic position fixing device, capable of providing accurate fixes for the area in which the vessel operates, to the satisfaction of the cognizant OCMI.

§ 121.420 Charts and nautical publications.

(a) As appropriate for the intended voyage, a vessel must carry adequate and up-to-date:

- (1) Charts of large enough scale to make safe navigation possible;
- (2) U.S. Coast Pilot or similar publication;

- (3) Coast Guard Light List;
 - (4) Tide tables; and
 - (5) Current tables, or a river current publication issued by the U.S. Army Corps of Engineers or a river authority.
- (b) Extracts from the publications listed above for the areas to be transited may be provided instead of the complete publication.

Subpart E—Radio**§ 121.502 Requirements of the Federal Communications Commission.**

A vessel must comply with the applicable requirements for any radio and Electronic Position Indicating Radio-beacon (EPIRB) installations, including the requirements for a station license and installation certificates to be issued by the FCC, as set forth in 47 CFR part 80.

§ 121.506 Emergency broadcast placard.

A durable placard must be posted next to all radiotelephone installations with the emergency broadcast instructions and information, specific to the individual vessel.

§ 121.510 Recommended emergency broadcast instructions.

The following emergency broadcast instructions, when placed on a placard, will satisfy the requirement contained in § 121.506 for an emergency broadcast placard:

(a) Emergency Broadcast Instructions.

- (1) Make sure your radiotelephone is on.
- (2) Select 156.8 MHz (channel 16 VHF) or 2182 kHz. (Channel 16 VHF and 2182 kHz on SSB are for emergency and calling purposes only.)

(3) Press microphone button and, speaking slowly—clearly—calmly, say:

- (i) “MAYDAY—MAYDAY—MAYDAY” for situations involving Immediate Danger to Life and Property; or
- (ii) “PAN—PAN—PAN” for urgent situations where there is No Immediate Danger to Life or Property.

(4) Say: “THIS IS (INSERT VESSEL'S NAME), (INSERT VESSEL'S NAME), (INSERT VESSEL'S NAME), (INSERT VESSEL'S CALL SIGN), OVER.”