

MINIMUM OPERATOR LICENSE—Continued

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| Ship telephone, with or without DSC, more than 250 watts carrier power or 1,000 watts peak envelope power. | PG. |
| Ship telephone, with or without DSC, not more than 250 watts carrier power or 1,000 watts peak envelope power. | MP. |
| Ship telephone, with or without DSC, not more than 100 watts carrier power or 400 watts peak envelope power. | None. ¹ RP. RP. |
| Above 30 MHz | |
| Below 30 MHz | |
| Ship earth station | RP. |

¹ RP required for compulsory ships and international voyages.

[76 FR 67611, Nov. 2, 2011]

GENERAL OPERATOR REQUIREMENTS

§ 80.167 Limitations on operators.

The operator of maritime radio equipment other than T-1, T-2, or G licensees, must not:

- (a) Make equipment adjustments which may affect transmitter operation;
- (b) Operate any transmitter which requires more than the use of simple external switches or manual frequency selection or transmitters whose frequency stability is not maintained by the transmitter itself.

§ 80.169 Operators required to adjust transmitters or radar.

(a) All adjustments of radio transmitters in any radiotelephone station or coincident with the installation, servicing, or maintenance of such equipment which may affect the proper operation of the station, must be performed by or under the immediate supervision and responsibility of a person holding a first or second class radiotelegraph operator's certificate or a general radiotelephone operator license.

(b) Only persons holding a first or second class radiotelegraph operator certificate must perform such functions at radiotelegraph stations transmitting Morse code.

(c) Only persons holding an operator certificate containing a ship radar endorsement must perform such functions on radar equipment.

[51 FR 31213, Sept. 2, 1986, as amended at 54 FR 40053, Sept. 29, 1989]

§ 80.175 Availability of operator licenses.

All operator licenses required by this subpart must be readily available for inspection.

§ 80.177 When operator license is not required.

(a) No radio operator authorization is required to operate:

- (1) A shore radar, a shore radiolocation, maritime support or shore radionavigation station;
- (2) A survival craft station or an emergency position indicating radio beacon;
- (3) A ship radar station if:

(i) The radar frequency is determined by a nontunable, pulse type magnetron or other fixed tuned device, and

(ii) The radar is capable of being operated exclusively by external controls;

(4) An on board station; or

(5) A ship station operating in the VHF band on board a ship voluntarily equipped with radio and sailing on a domestic voyage.

(b) No radio operator license is required to install a VHF transmitter in a ship station if the installation is made by, or under the supervision of, the licensee of the ship station and if modifications to the transmitter other than front panel controls are not made.

(c) No operator license is required to operate coast telephone stations or marine utility stations.

(d) No radio operator license is required to install a radar station on a voluntarily equipped ship when a manual is included with the equipment that provides step-by-step instructions for the installation, calibration, and operation of the radar. The installation