

**MEMORANDUM CIRCULAR**  
**NO. 10-11-83**

**SUBJECT: NEW RADIO OPERATOR'S CERTIFICATES**

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Pursuant to the provisions of Act 3846, as amended and in accordance with Section IT and III of Articles 55 of the Radio Regulations, Geneva 1979 and in conformity with MECS/DEC Department Order No. 23 series of 1976, the following operator's certificates will be available to qualified applicants:

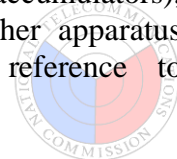
1. Radiocommunication Operator's General Certificate.
2. Radiotelephone Operator's Restricted Certificate for the Maritime Mobile Service

The holder of a radiocommunication operator's general certificate may carry out the radiotelegraph or radiotelephone service of any station, provided, however, that the holder thereof cannot qualify as chief operator of any broadcast or television station or of any fixed point of point radiotelephone station engaged in international radiocommunication.

The holder of a radiotelephone operator restricted certificate may carry out the radiotelephone service of any ship station, provided that the operation of the transmitter requires only the use of simple external controls, and excludes all manual adjustment of frequency determining elements with the stability of the frequencies maintained by the transmitter itself with the limits of tolerance specified by Appendix 7 of the Radio Regulations, Geneva, 1979, and the peak envelope power of the transmitter does not exceed 1.5kw.

The radiocommunication operator's general certificate for the maritime mobile service may be issued to candidates who pass examinations on the technical and professional knowledge and qualification enumerated below or their equivalent elements 1, 2, 3, 5, 6 and code tests as specified in Department Order No. 5, series of 1948 of the Department of Commerce and Industry.

- a. Knowledge of the principles of electricity and the theory of radio and electronics sufficient to meet the requirements specified in letter b, c, and below.
- b. Theoretical knowledge of modern radiocommunication equipment, including marine radiotelegraph and radiotelephone transmitter and receivers, marine antenna system, automatic alarm devices, radio equipment for lifeboats and other survival craft, direction-finding equipment, together with all auxiliary items including power supply (such as motors, alternators, generators, inverters, rectifiers and accumulators), as well as a general knowledge of the principles of other apparatus generally used for radionavigation, with particular reference to maintaining the equipment in service.



- c. Practical knowledge of the operation, adjustment and maintenance of the apparatus mentioned in letter b including the taking of direction finding bearings and knowledge of the principles of the calibration of radio-direction finding apparatus.
- d. Practical knowledge necessary for the location and remedying (using appropriate testing equipment and tools) of faults in the apparatus mentioned letter (b) which may occur during a voyage.
- e. Ability to send correctly by hand and to receive correctly by ear, in the Morse Code, code groups (mixed letters, figures and punctuation marks) at a speed of sixteen groups a minute and a plain language text at a speed of twenty words per minute. Each code group shall comprise five characters, each figure or punctuation mark counting as two characters. The average word of the text in plain language shall contain five characters. The duration of each test of sending and receiving shall be, as a rule, five minutes.
- f. Ability to send correctly and receive correctly by radiotelephone.
- g. Knowledge of the regulations applying to radiocommunications, knowledge of the documents relating to charges for radiocommunications and knowledge of the provisions of the Convention for the Safety of Life at Sea which relate to radio.
- h. A sufficient knowledge of world geography, especially the principal shipping routes and the most important telecommunication routes.
- i. English language, Candidates should be able to express themselves satisfactory in English, both orally and in writing.

The radiotelephone operator's restricted certificate for ship station, may be issued to candidates who have given proof of the knowledge and professional qualification enumerated below:

- a. Practical knowledge of radiotelephone operation and procedure;
- b. Ability to send correctly and receive correctly by radiotelephone;
- c. General knowledge of the Regulations applying to radiotelephone communications and specifically of these parts relating to Safety of life.

#### General Qualifications of Applicants for Examination.

- 1. For radiocommunication operator's general certificate:
  - a. Filipino citizen;
  - b. At least 18 years of age;
  - c. Of good moral character.
  - d. Must have graduated in the general radiocommunication operator course offered by duly recognized training school.
- 2. For radiotelephone operator's restricted certificate:



- a. Filipino citizen;
- b. At least 18 years of age;
- c. Of good moral character.
- d. Must have at least attended a seminar offered by a duly accredited training center;
- e. Must be a licensed deck officer.

This circular takes effect immediately upon approval.

**(SGD) CEFERINO S. CARREON**  
Commissioner

