

124. The licensee shall ensure that sufficient spare parts and apparatus are always readily available at each broadcasting station to enable the programmes to be transmitted regularly and reliably. Spare parts to be available.

125. All broadcasting stations shall have a modulation capability of at least 75 per cent. without the distortion of audio output exceeding 10 per cent. when measured in terms of the combined audio harmonics. Modulation capability.

126. (1) The licensee shall take due precaution to preclude overloading or distortion in any stage of the apparatus, and in this connection some visual indication of modulation level shall be provided, together with suitable means of control. Prevention of distortion.

(2) In the case of stations having an anode power exceeding 300 watts a monitoring attendant shall be in constant attendance for the control of such apparatus.

127. (1) Except with the Minister's approval, any studio or room housing the microphone apparatus shall be separate from the room containing the transmitting-apparatus. It shall also be reasonably free from interior reverberation and extraneous noises, and so designed as to conduce to maximum efficiency of operation. Studio acoustics and intercommunication.

(2) At each broadcasting station intercommunication by a reliable signalling system shall be provided between such studio and the room containing the transmitting-apparatus.

(3) Any such studio wherever situated shall, for the purposes of these regulations, be deemed to be a part of the licensed station.

128. The transmitting-apparatus in a broadcasting station shall be operated only by a person holding a radio-broadcasting operator's certificate or an approved certificate of higher class covering the same scope. Qualifications of operator.

129. Every broadcasting station of an anode power of 500 watts or over shall be under the immediate supervision of a person who possesses either— Special qualifications required at certain stations.

(a) A first-class radio-telegraph operator's certificate issued under the provisions of the International Radio-telegraph Convention, 1927; or

(b) A technical certificate in broadcasting.

130. (1) A candidate for a radio-broadcasting operator's certificate shall be required to pass an examination in the following:— Examination for radio-broadcasting operator's certificate.

(a) A practical knowledge of the adjustment and operation of typical broadcasting-station apparatus (including speech-input equipment, studio-control equipment, and radio-receivers), together with an elementary knowledge of the theory of electricity and magnetism. This will include tracing and clearing faults in the apparatus; altering the frequency (wave-length); testing and charging accumulators; maintenance of motor generators and other accessory apparatus; a knowledge of the functions of the various pieces of apparatus; and a knowledge of the care and adjustment necessary to maintain the apparatus in an efficient condition.

(b) Ability to transmit and receive clearly conversation by radio-telephone apparatus.

(c) A detailed knowledge of such of these regulations as relate to the design and operation of broadcasting-station apparatus.

(2) The fee for examination for a radio-broadcasting operator's certificate shall be 5s.

(3) The fee payable in respect of a duplicate of a radio-broadcasting operator's certificate shall be 5s. Such duplicate shall be issued only on production of satisfactory evidence that the original certificate has been lost or destroyed.

131. The holder of an operator's certificate issued under the Broadcasting Regulations, 1925, may, on application, have such certificate exchanged, free of charge, for a radio-broadcasting operator's certificate. Exchange of old certificate.

132. The examination for a technical certificate in broadcasting shall comprise (i) the examination described in paragraphs (a), (b), and (f) of clause (1) of Regulation 96 hereof (relating to the examination for a first-class radio-telegraph operator's certificate): Provided that the examination described in clause (f) aforesaid shall be extended to include a practical examination in the operation and adjustment of typical broadcasting-station equipment; and (ii) an examination requiring a detailed knowledge of such of these regulations as relate to the design and operation of broadcasting-station equipment. Examination for a technical certificate in broadcasting.

(2) The fee for examination for a technical certificate in broadcasting shall be £1.