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## **Performance specifications required by the Merchant Shipping (Radio Installations) Regulations 1980**

Notice to owners, masters and officers of merchant ships and manufacturers of marine radio equipment

*This Merchant Shipping Notice is an integral part of the Merchant Shipping (Radio Installations) Regulations 1992. It supersedes Merchant Shipping Notices M.928, M.948, M.1233 and M.1239, setting out the performance specifications for radio installations provided to comply with Part III of the Regulations in accordance with Regulation 5(2). All references in this Notice to Regulations of Chapter IV of the International Convention for the Safety of Life at Sea 1974 refer to those Regulations in force prior to 1 February 1992.*

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1. The Regulations apply to United Kingdom and other Safety Convention ships. They require radio installation in merchant ships to conform to performance standards adopted by the International Maritime Organisation and specified in this Merchant Shipping Notice.
2. Equipment which is subject to type testing when forming part of an existing radio installation in a United Kingdom ship shall be of a type which is approved.
3. The performance standards and specifications are set out below:

### **VHF Radiotelephone Installation**

- (1) (a) A VHF installation provided in ships, if fitted after 25th May 1982, shall comply with the performance standards set out in IMO Resolution A 385 (X). If the installation is fitted to a United Kingdom ship it must comply with the Performance Specification for Maritime Mobile VHF Equipment (MPT 1252) and if fitted with multiple watch facilities, shall not scan more than three channels.  
  
(b) Where the requirement of Regulation 25(3) is met by the use of an additional VHF receiver such a receiver must comply with either the Performance Specification for

Maritime Mobile VHF Equipment (MPT 1252) or the Performance Specification for Phase Modulated and Frequency Modulated VHF Radio Equipment for use in Merchant Ships (MPT 1251).

### **Radiotelephone Installation**

- (2) (a) Radiotelephone transmitters and receivers shall comply with the performance standards set out in IMO Resolution A 334 (IX). If fitted to United Kingdom ships they must comply with either the Performance Specification for Single-sideband Radiotelephone Transmitting and Receiving Equipment Operating in the Frequency Band 1605 kHz to 4.0 MHz for use in Merchant Ships (MPT 1217) or, provided that the equipment complies with the requirements of paragraph 2.4.2.1 of the specification, the Performance Specification for Maritime Mobile Single-sideband Radiotelephone Transmitters and Receivers for the MF and HF bands (MPT 1224).  
  
(b) Radiotelephone distress frequency watch receivers shall comply with the performance standards set out in IMO Resolution A 383 (X). If fitted to United Kingdom ships they must, if fitted after 25th May 1980, comply with the Performance Specification for a Radiotelephone Distress Frequency Watch Receiver (MPT 1223).

(c) Radiotelephone alarm signal generating devices shall comply with Regulation 16(e) of Chapter IV of the International Convention for the Safety of Life at Sea 1974. If fitted to United Kingdom ships, they must comply with the Performance Specification for Radiotelephone Alarm Signal Generating Devices for use in Merchant Ships (MPT 1225) or, if fitted before 25th May 1981, the Performance Specification for a Radiotelephone Alarm Signal Generating Device for use in Merchant Ships (MPT 1212) or the General Post Office Performance Specification for a Radiotelephone Alarm Signal Generating Device (Audio Frequency) published in 1964.

### **Radiotelegraph Installations**

(3) (a) Main radiotelegraph transmitters shall comply with Regulation 10(e) and 10(f) of Chapter IV of SOLAS 1974. If fitted to United Kingdom ships they must comply with the Performance Specification for Main Medium Frequency Radiotelegraph Transmitter for use in Merchant Ships (MPT 1202) or with the General Post Office Performance Specification for a Main Medium Frequency Radiotelegraph Transmitter published in 1965.

(b) Main radiotelegraph receivers shall comply with Regulation 10(h)(i), 10(h)(ii) and 10(i) of Chapter IV of SOLAS 1974. If fitted to United Kingdom ships they must comply with the Performance Specification for Radio Receiving Equipment for Double-sideband and Single-sideband Reception of Radiotelegraphy and Radiotelephony for use in Merchant Ships (MPT 1201) or with the General Post Office Performance Specification for a Main Radio Receiver published in 1964.

(c) Reserve radiotelegraph transmitters shall comply with Regulation 10(e) and 10(f) of Chapter IV of SOLAS 1974. If fitted to United Kingdom ships they must comply with the Performance Specification for Reserve Medium Frequency Radiotelegraph Transmitter for use in Merchant Ships (MPT 1209) or with the General Post Office Performance Specification for a Reserve Medium Frequency Radiotelegraph Transmitter published in 1965.

(d) Reserve radiotelegraph receivers shall comply with Regulation 10(h) and 10(i) of Chapter IV of SOLAS 1974. If fitted to United Kingdom ships they must comply with the Performance Specification for Reserve Radio Receiver for use in Merchant Ships (MPT 1210) or with the General Post Office Performance Specification for a Reserve Radio Receiver for Ships, published in 1964.

(e) Radiotelegraph automatic alarm signal keying devices shall comply with Regulation 10(r) of Chapter IV of SOLAS 1974. If fitted to United Kingdom ships they must comply with the Performance Specification for Automatic Keying Device for use in Merchant Ships (MPT 1219) or with the General Post Office Performance Specification for an Automatic Keying Device published in 1964.

(f) Radiotelegraph Automatic Alarms shall comply with Regulation 11 of Chapter IV of SOLAS 1974. If fitted to United Kingdom ships they must comply with the Performance Specification for Radiotelegraph Automatic Alarm Equipment (Receiving) for use in Merchant Ships (MPT 1211) or with the General Post Office Performance Specification for a Radiotelegraph Automatic Alarm Equipment for Ships published in 1964.

(g) Radiotelephone distress frequency transmitters shall comply with Paragraph I of Annex III to IMO Resolution A 335 (IX). If fitted to United Kingdom ships they must have a minimum output power of 60 watts and comply with the requirements for a transmitter contained in -

(i) the Performance Specification for Voluntarily Provided Radiotelephone Equipment operating on the frequency 2182 Khz (MP1218) and with the requirements for Class 'B.' equipment contained in the Performance Specification for the Climatic and Durability testing of Maritime Radio Equipment (MPT 1204); or

(ii) the Performance Specification for Single-sideband Radiotelephone Transmitting and Receiving Equipment Operating in the Frequency Band 1605 Khz to 4.0 Mhz for use in Merchant Ships (MPT 1217); or

(iii) provided that the equipment complies with the requirements of paragraph 2.4.2.1. of the specification, the Performance Specification for Maritime Mobile Single-sideband Radiotelephone Transmitters and Receivers for the MF and HF bands (MPT 1224); or

(iv) provided that the equipment complies with the requirements of paragraph 13 of the specification, the General Post Office Performance Specification for a Reserve Medium Frequency Radiotelegraph Transmitter published in 1965.

(h) Radiotelephone distress frequency watch receivers shall comply with the performance standards set out in IMO Resolution A 383 (X). If fitted to United Kingdom ships they must, if fitted after 25 May 1980, comply with the Performance Specification for Radiotelephone Distress Frequency Watch Receiver (MPT 1223).

(i) Radiotelephone alarm signal generating devices shall comply with Regulation 16(e) of Chapter IV of the International Convention for the Safety of Life at Sea 1974. If fitted to UK ships

they must comply with the Performance Specification for Radiotelephone Alarm Signal Generating Devices for use in Merchant Ships (MPT 1225) or, if fitted before 25th May 1981, the Performance Specification for Radiotelephone Alarm Signal Generating Devices for use in Merchant Ships (MPT 1212) or the General Post Office Performance Specification for a Radiotelephone Alarm Signal Generating Device (Audio Frequency) published in 1964.

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