
RULES FOR RADIO INSTALLATIONS

RULES

2016 AMENDMENT NO.2

Rule No.85 27th December 2016

Resolved by Technical Committee on 27th July 2016

Approved by Board of Directors on 20th September 2016

An asterisk (*) after the title of a requirement indicates that there is also relevant information in the corresponding Guidance.

“Rules for radio installations” has been partly amended as follows:

Chapter 5 has been added as follows.

Chapter 5 COMMUNICATION

5.1 General (*Polar Code, Part I-A, 10.1*)

5.1.1 Application

1 The radio installations for ships operating in polar waters are to comply with the requirements in this chapter in addition to other relevant requirements in other relevant chapters in this Rules.

2 Notwithstanding the requirements specified in **-1**, ships complying with the following **(1)** and **(2)** need not, in principle, apply the requirements of this chapter.

(1) Ships not subject to the *SOLAS* convention in accordance with *SOLAS Chapter I*; and

(2) Ships owned or operated by flag administrations which are only used for non-commercial purposes.

3 The ships subject to the requirements of this chapter are also required to comply with the requirements of **1.1.1-2, Part I of the Rules for the Survey and Construction of Steel Ships**.

5.1.2 Definitions

The terms defined in this chapter are according to the requirements specified in **1.2.1, Part I of the Rules for the Survey and Construction of Steel Ships** as well as relevant chapters in this Rules.

5.1.3 Goal

The goal of this chapter is to provide for effective communication for ships and survival craft during normal operation and in emergency situations.

5.2 Function Requirements (*Polar Code, Part I-A, 10.2*)

In order to achieve the goal set out in **5.1.3**, the following functional requirements are embodied in **5.2.1** and **5.2.2**.

5.2.1 Ship Communication

1 Two-way voice and/or data communications ship-to-ship and ship-to-shore are to be available at all points along the intended operating routes.

2 Suitable means of communications are to be provided in cases where escort and convoy operations are expected.

3 Means for two-way on-scene and SAR coordination communications for search and rescue purposes including aeronautical frequencies is to be provided.

4 Appropriate communication equipment to enable telemedical assistance in polar areas is to be provided.

5.2.2 Survival Craft and Rescue Boat Communications Capabilities

1 For ships intended to operate in low air temperature, all rescue boats and lifeboats, whenever released for evacuation, are to maintain capability for distress alerting, locating and on-scene communications.

2 For ships intended to operate in low air temperature, all other survival craft, whenever released, are to maintain capability for transmitting signals for location and for communication.

3 Mandatory communication equipment for use in survival craft, including liferafts, and rescue boats is to be capable of operation during the maximum expected time of rescue.

5.3 Regulations (*Polar Code, Part I-A, 10.3*)

5.3.1 Ship Communication

1 In order to comply with **5.2.1-1**, communication equipment on board is to have the capabilities for ship-to-ship and ship-to-shore communication, taking into account the limitations of communications systems in high latitudes and the anticipated low temperature.

2 In order to comply with **5.2.1-2**, ships intended to provide icebreaking escort are to be equipped with a sound signaling system mounted to face astern to indicate escort and emergency manoeuvres to following ships as described in the International Code of Signals.

3 In order to comply with **5.2.1-3**, two-way on-scene and SAR coordination communication capability in ships is to include the following **(1)** and **(2)**:

(1) Voice and/or data communications with relevant rescue coordination centres.

(2) Equipment for voice communications with aircraft on 121.5 and 123.1 *MHz*.

4 In order to comply with **5.2.1-4**, the communication equipment is to provide for two-way voice and data communication with a Telemedical Assistance Service (TMAS).

5.3.2 Survival Craft and Rescue Boat Communications Capabilities

1 For ships intended to operate in low air temperature, in order to comply with **5.2.2-1**, all rescue boats and lifeboats, whenever released for evacuation, are to satisfy the following **(1)** to **(3)**:

(1) For distress alerting, carry one device for transmitting ship-to-shore alerts.

(2) In order to be located, carry one device for transmitting signals for location.

(3) For on-scene communications, carry one device for transmitting and receiving on-scene communications.

2 For ships intended to operate in low air temperature, in order to comply with **5.2.2-2**, all other survival craft are to comply with the following **(1)** and **(2)**:

(1) In order to be located, carry one device for transmitting signals for location.

(2) For on-scene communications, carry one device for transmitting and receiving on-scene communications.

3 In order to comply with **5.2.2-3**, recognizing the limitations arising from battery life, procedures are to be developed and implemented such that mandatory communication equipment for use in survival craft, including liferafts, and rescue boats are available for operation during the maximum expected time of rescue.

EFFECTIVE DATE AND APPLICATION

1. The effective date of the amendments is 1 January 2017.
2. Notwithstanding the amendments to the Rules, the current requirements apply to ships the keels of which were laid or which were at *a similar stage of construction* before the effective date except for in cases where the amendments are to be retroactively applied.
(Note) The term “*a similar stage of construction*” means the stage at which the construction identifiable with a specific ship begins and the assembly of that ship has commenced comprising at least 50 *tonnes* or 1% of the estimated mass of all structural material, whichever is the less.

GUIDANCE FOR RADIO INSTALLATIONS

GUIDANCE

2016 AMENDMENT NO.1

Notice No.86 27th December 2016

Resolved by Technical Committee on 27th July 2016

Notice No.86 27th December 2016
AMENDMENT TO THE GUIDANCE FOR RADIO INSTALLATIONS

“Guidance for radio installations” has been partly amended as follows:

Chapter 2 SURVEYS

2.1 General

Paragraph 2.1.2 has been added as follows.

2.1.2 Time of Registration Surveys and Intervals of Registration Maintenance Surveys

When applying 2.1.2-2(3), of the Rules to the ships at the beginning stage of construction before 1 January 2017 intended for operation in polar waters as defined in 1.1.1-2, Part I of the Rules for the Survey and Construction of Steel Ships, a survey is to be carried out to verify compliance with the relevant requirements of Chapter 5 by the first Special Survey held after 1 January 2018.

EFFECTIVE DATE AND APPLICATION

- 1.** The effective date of the amendments is 1 January 2017.