

Subject

Two way portable radio apparatus for fire fighter's communication for the Cook Islands flag vessels

ClassNK

Technical Information

No. TEC-1178
Date 19 March 2019

To whom it may concern

This ClassNK Technical Information is to inform that the Cook Islands Maritime Authority has issued TECHNICAL CIRCULAR 179/2018 regarding Fire fighter's communication as per attached.

-1. Application of Fire fighter's communication (SOLAS II-2/Reg.10.10.4)

- (1) A minimum of two two-way portable radiotelephone apparatus for each fire party for fire-fighter's communication should be carried on board. Those apparatus should be of an explosion-proof type or intrinsically safe.
- (2) Ships constructed on or after 1 July 2014 should comply with the above requirements.
- (3) Ships constructed before 1 July 2014 should comply with the above requirements not later than the first survey after 1 July 2018.

-2. Stored location

Two way portable radio apparatus for fire fighter's communication is to be stored in the same easily accessible location of the fire fighter's outfit. When more than one set of personal equipment is carried, they should be stored in widely separated positions.

-3. Color

The apparatus may have a colored housing to distinguish the radio from other radios onboard used either for normal operations and emergency use such as portable GMDSS, VHF's, which are typically yellow or orange.

-4. Standard reference and criteria

As guidelines for the apparatus, but not limited to, the following standards should be referred to:

- IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements;
- IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i";
- IEC 60945 Maritime navigation and radio communication equipment and systems
- General requirements - Methods of testing and required test results;
- Radio Equipment Directive (RED) 2014/53/EU;
- ATEX Directive 2014/34/EU;
- UL 913 Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations, as amended.

(To be continued)

NOTES:

- ClassNK Technical Information is provided only for the purpose of supplying current information to its readers.
- ClassNK, its officers, employees and agents or sub-contractors do not warrant the accuracy of the information contained herein and are not liable for any loss, damage or expense sustained whatsoever by any person caused by use of or reliance on this information.
- Back numbers are available on ClassNK Internet Homepage (URL: www.classnk.or.jp).

In case where other equivalent standards are referred, the standards should be submitted for review to the Technical Department of Cook Islands Flag Administration at technical@maritimcookislands.com .

-5. Survey

The following items should be confirmed by ClassNK surveyor at SE periodical surveys.

- The Certificate of Conformity (or Declaration of Conformity), or equivalent document, providing the compliance of the two-way portable radiotelephone apparatus for the use in potentially explosive atmospheres;
- Storage of the two-way portable radiotelephone apparatus;
- Working of the two-way portable radiotelephone apparatus in a satisfactorily condition;
- Condition and maintenance of batteries;
- Condition and maintenance of spare batteries, if any;
- Working condition of the batteries charger(s), if any.

For any questions about the above, please contact:

NIPPON KAIJI KYOKAI (ClassNK)

Material and Equipment Department, Administration Center Annex, Head Office

Address: 3-3 Kioi-cho, Chiyoda-ku, Tokyo 102-0094, Japan

Tel.: +81-3-5226-2020

Fax: +81-3-5226-2057

E-mail: eqd@classnk.or.jp

Attachment:

1. TECHNICAL CIRCULAR 179/2018



TECHNICAL CIRCULAR 179/2018

To: Owners, Technical Managers, Deputy Registrars, Fleet Managers and Surveyors

Subject: Fire fighter's portable radiotelephone apparatus

Date: 24th June 2018

Summary

This Circular aims to inform technical managers about the requirements detailed in SOLAS Ch. II-2 Regulation 10.10.4 with regard to the fire fighter's portable equipment for communication, due to the amendments issued in the IMO Resolution MSC.338 (91) (attached below).

Applicability:

All cargo ships of 500 Gross Tonnage and above.
All passenger ships, irrespectively from the Gross Tonnage.

Required Actions:

All the above ships flying Cook Islands Flag constructed **on or after 1 July 2014** shall carry on board a minimum of two two-way portable radiotelephone apparatus for each **fire party**.

Those portable apparatus shall be of an explosion-proof type or intrinsically safe.

Ships constructed **before 1 July 2014** shall comply with the above requirements not later than the first statutory survey **after 1 July 2018**.

Cook Islands Flag Administration, considering also SOLAS Ch. II-2 Regulation 10.10.3, shall request the aforementioned two-way portable radiotelephone apparatus to be stored in the same easily accessible location of the fire fighter's outfit, and when more than one set of personal equipment is carried, they shall be stored in widely separated positions.

The fire-fighter's radio may have a coloured housing to distinguish the radio from other radios on board used either for normal operations and for emergency use, such as portable GMDSS VHF's, which are typically yellow or orange.

With regard to the minimum fire fighter's outfit to be carried on board commercial vessels, as above listed, Cook Islands Flag Administration shall refer to the followings:

- *All ships*: at least two fire fighter's outfit (ref. SOLAS Ch. II-2 Regulation 10.10.2.1);
- *Passenger ships*: additional outfit depending on the length of passenger spaces, number of decks, etc. (ref. SOLAS Ch. II-2 Regulation 10.10.2.2);

- *Tankers*: two additional fire fighter's outfits (ref. SOLAS Ch. II-2 Regulation 10.10.2.2).

Standard references and criteria:

Being not yet issued any specific technical requirements or performance standards from the IMO with regard to the above two-way portable radiotelephone apparatus, other than “*being of an explosion-proof type or intrinsically safe*”, Cook Islands Flag Administration shall refer as guidelines, but not limited to, to the following standards:

- IEC 60079-0:2017 Explosive atmospheres – Part 0:Equipment – General requirements;
- IEC 60079-11:2011 Explosive atmospheres – Part 11: Equipment protection by intrinsic safety “i”;
- IEC 60945 Maritime navigation and radio communication equipment and systems – General requirements – Methods of testing and required test results;
- Radio Equipment Directive (RED) 2014/53/EU;
- ATEX Directive 2014/34/EU;
- UL 913 Standard for Intrinsically Safe Apparatus and Associated Apparatus for

Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations, as amended.

Other equivalent standards shall be submitted for review to the Technical Department of Cook Islands Flag Administration at technical@maritimecookislands.com.

Instruction to surveyors

Maritime Cook Islands surveyors and appointed surveyors of Recognised Organisations acting on behalf of Cook Islands Flag Administration shall **annually** check, while carrying out the statutory surveys (related to *Cargo Ship Safety Construction* and *Passenger Ship Safety* certificates) at least the followings:

- The **Certificate of Conformity (or Declaration of Conformity)**, or *equivalent document*, providing the compliance of the two-way portable radiotelephone apparatus for the use in potentially explosive atmospheres;
- Storage of the two-way portable radiotelephone apparatus;
- Working of the two-way portable radiotelephone apparatus in a satisfactory condition;
- Condition and maintenance of batteries;
- Condition and maintenance of spare batteries, if any;
- Working condition of the batteries charger(s), if any.

If you have any comments or if you need assistance, don't hesitate to contact the Technical Department at technical@maritimecookislands.com

The Circular is to be kept onboard vessel in the Circular Compilation.