

**Amendments to the *International SafetyNET Services Manual*
(MSC.1/Circ.1364/Rev.2)**

Submitted by IMSO

SUMMARY

Executive Summary: This document provides updated information on the proposed amendments to the *International SafetyNET Services Manual* (MSC.1/Circ.1364/Rev.2) for the inclusion of a blocking requirement at -30dBm in the Technical Requirements for Fleet Safety Radio Installations onboard SOLAS Ships, given in Appendix 5 of Annex to this Circular.

Action to be taken: 4

Related documents: NCSR 8/6/13 (IMSO); NCSR 8/7/6 (IMSO, CIRM); 4C/180 (IMO) and MSC.1/Circ.1364/Rev.2.

1. The attached NCSR 8/6/13 (IMSO) was submitted to IMO NCSR 8 in April for the inclusion of a blocking requirement at -30dBm in the Technical Requirements for Fleet Safety Radio Installations onboard SOLAS Ships, given in Appendix 5 of Annex to the *International SafetyNET Services Manual* (MSC.1/Circ.1364/Rev.2). The paper was discussed at the intersessional meeting of the Communication Working Group of NCSR, which was convened virtually from 7 to 13 April 2021 before the main session of the NCSR Sub-Committee, and the outcome of the discussion is summarized in the report of the Working Group (NCSR 8/WP.3) as follows:

Revision of MSC.1/Circ.1364/Rev.2

- 95 The Group considered document NCSR 8/6/13 (IMSO), containing draft amendments to the *International SafetyNET Services Manual* (MSC.1/Circ.1364/Rev.2), which became effective on 1 January 2021, for the inclusion of a blocking requirement at -30dBm in the "Technical requirements for Fleet Safety radio installations on board SOLAS ships", given in appendix 5 of the annex to this circular.
- 96 Recalling the procedure described in appendix 6 of MSC.1/Circ.1364/Rev.2 that "amendments to the Manual should normally be approved at intervals of approximately two years or at such longer periods as may be determined by the Maritime Safety Committee" and that the agreement of IHO and WMO should be sought to amend the Manual, the Group noted the information provided in document NCSR 8/6/13.

Further considerations

2. Upon the proposal of IMSO and CIRM to NCSR 8 (NCSR 8-7-6), stressing the need for the Organization to provide a clear and precise request to ITU-R to ensure that the current work being undertaken by WP 4C and WP 5D provides sufficient guidance for the protection of maritime MSS operations in all parts of the frequency band 1 518-1 559
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MHz for any country that may envisage authorizing IMT systems in the frequency band 1 427-1 518 MHz, IMO provided a liaison statement to ITU-R Working Parties 4C and 5D (4C/180) seeking clarification on issues of practicality and timing for instituting the measures outlined in NCSR 8/6/13, as well as other measures under consideration in ITU-R.

3. Despite further efforts by IMSO, CIRM and L-Band satellite operators to ensure that the necessary guidance on the compatibility measures under consideration in ITU-R was provided to IMO, the July 2021, meeting of WP 4C was unable to provide a response to the matters raised by IMO. The intention is that the October 2021, meeting of WP 4C should find an agreeable way forward on the issue of whether/how to address compatibility with MSS operations in the band 1 525-1 559 MHz, building on the discussions that took place during the July 2021, meeting.

Action requested of the meeting

4. The Sub Committee is invited to note the updated information provided above and provide any comment(s) as it deems appropriate.
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SUB-COMMITTEE ON NAVIGATION,
COMMUNICATIONS AND SEARCH AND
RESCUE
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**REVISION OF SOLAS CHAPTERS III AND IV FOR MODERNIZATION
OF THE GMDSS, INCLUDING RELATED AND CONSEQUENTIAL AMENDMENTS
TO OTHER EXISTING INSTRUMENTS**

Blocking Requirements for Fleet Safety Receivers

Submitted by IMSO

SUMMARY

<i>Executive summary:</i>	This document proposes amendments to the <i>International SafetyNET Services Manual</i> (MSC.1/Circ.1364/Rev.2) for the inclusion of a blocking requirement at -30dBm in the Technical Requirements for Fleet Safety Radio Installations onboard SOLAS Ships, given in Appendix 5 of Annex to this Circular.
<i>Strategic direction, If applicable:</i>	2
<i>Output:</i>	2.10
<i>Action to be taken:</i>	Paragraph 5
<i>Related documents:</i>	IMO/ITU EG 16/5/6, IMO/ITU EG 16/5/Comment/6, NCSR 8/7 and MSC.1/Circ.1364/Rev.2.

Introduction

1 This document proposes amendments to the *International SafetyNET Service Manual* (MSC.1/Circ.1364/Rev.2) for the inclusion of a blocking requirement at -30dBm in the “Technical Requirements for Fleet Safety Radio Installations onboard SOLAS Ships”, given in appendix 5 of annex to this circular, in order to avoid harmful interference from international mobile telecommunications (IMT) transmissions in the adjacent band (below 1 518 MHz).

2 IMSO submitted IMO/ITU EG 16/5/Comment/6 as a comment on document IMO/ITU EG 16/5/6 (United Kingdom), which proposed amendments to the *Performance Standards for Inmarsat-C Ship Earth Stations capable of transmitting and receiving direct-printing communications* (resolution A.807(19), as amended) for the inclusion of a blocking requirement at -30dBm in Inmarsat-C receivers, so that the same blocking requirement at -30dBm as proposed by the United Kingdom can be applied in the Fleet Safety receiver’s specification which was given in MSC.1/Circ.1611 on *Interim guidance on technical requirements for Fleet Safety*.

3 However, IMO/ITU EG 16 recalled that the technical requirements for Fleet Safety had been incorporated in the revised *International SafetyNET Services Manual* prepared by NCSR 7 (NCSR 7/23, annex 6), which would revoke MSC.1/Circ.1611 after its approval. Thus, the Group agreed that any consequential amendments to the technical requirements for Fleet Safety should be addressed as part of a future revision of the *International SafetyNET Services Manual*, as appropriate (IMO/ITU EG 16/9, paragraph 6.81).

4 As MSC 102 approved MSC.1/Circ.1364/Rev.2 on *International SafetyNET Services Manual*, this document proposes the amendment to MSC.1/Circ.1364/Rev.2 as set out in the annex.

Action requested of the Sub-Committee

5 The Sub-Committee is invited to consider the draft amendment to MSC.1/Circ.1364/Rev.2 as set out in the annex, and take action as appropriate.

ANNEX

DRAFT AMENDEMENTS TO MSC.1/Circ.1364/Rev.2

INTERNATIONAL SAFETYNET SERVICES MANUAL

1 The Maritime Safety Committee, at its [...] session ([...]), approved amendments to MSC.1/Circ.1364/Rev.2 on *International SafetyNET Services Manual*, as set out in the annex, prepared by the Sub-Committee on Navigation, Communications and Search and Rescue, at its [...] session ([...]), in order to avoid harmful interference from IMT transmissions in the adjacent band (below 1 518 MHz).

2 Member States are invited to bring it to the attention of all parties concerned.

ANNEX

Insert the following paragraph in **TECHNICAL REQUIREMENTS FOR FLEET SAFETY RADIO INSTALLATIONS ON BOARD SOLAS SHIPS** given in appendix 5 to annex to MSC.1/Circ.1364/Rev.2:

“6 Fleet-Safety receiver should be capable of operating in the presence of an interfering signal with the following characteristics: A wideband signal of bandwidth 5 MHz, occupying the band 1512-1517 MHz, at a power level of -30 dBm measured at the receiver input.”
