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| **Radiocommunication Study Groups** |  |
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| Source: Document 5B/TEMP/184  Subject: Revision of Recommendation [ITU-R M.1371](https://www.itu.int/rec/R-REC-M.1371-5-201402-I/en) |  |
| **20 December 2021** |
| **English only** |
| Working Party 5B | |
| LIAISON STATEMENT TO INTERNATIONAL MARITIME ORGANIZATION ON THE REVISION OF RECOMMENDATION ITU-R M.1371-5 | |
| (COPY TO INTERNATIONAL ASSOCIATION OF MARINE AIDS TO NAVIGATION AND LIGHTHOUSE AUTHORITIES AND COMITÉ INTERNATIONAL RADIO-MARITIME) | |

ITU-R Working Party (WP) 5B, at its meeting from 29th November to 10th December 2021 continued working towards the revision of Recommendation ITU-R M.1371-5.

At this meeting, WP 5B considered proposals relating to:

* the deactivation message for AIS SARTs, Class M MOB devices and 406 MHz radio beacons, and
* the AIS locating signal for 406 MHz radio beacons.

WP 5B provides these proposals and related reasoning on the revision of Recommendation ITU-R M.1371-5 for consideration by International Maritime Organization (IMO), as follows:

# 1 Deactivation message for AIS SARTs, Class M MOB devices and 406 MHz radio beacons

AIS locating devices often have a physical switch marked “OFF" which is used to manually shut down the activated or tested equipment, but does not send a related message. It is proposed to add a message that is transmitted when activated equipment is switched off. This would indicate that the equipment has been manually switched off, rather than when the battery runs out. To indicate this two options are in discussion. The first option is suggesting to transmit "SART OFF", "MOB OFF" and "EPIRB OFF". The second option would be "SART CANCEL", "MOB CANCEL" and "EPIRB CANCEL". WP 5B seeks the view of IMO on which of these options would be a better way to indicate that the equipment has been manually switched off and facilitate the SAR authorities to effectively take appropriate actions.

The following modifications are therefore proposed:

In Annex 1, section 2.1.6.1: Automatic identification system search and rescue transmitter, it is proposed to modify message 14 content as follows:

**2.1.6.1 Automatic identification system search and rescue transmitter**

…

When deactivated: “SART OFF” or “SART CANCEL”

…

In Annex 1, section 2.1.6.2: Class M Man overboard device, it is proposed to modify Message 14 content as follows:

**2.1.6.2 Class M Man overboard device**

…

When deactivated: “MOB OFF” or “MOB CANCEL”

…

In Annex 1, section 2.1.6.3: 406 MHz radio beacons, it is proposed to modify Message 14 content as follows:

**2.1.6.3 406 MHz radio beacons**

…

When deactivated: “EPIRB OFF” or “EPIRB CANCEL”

…

Given the above proposals, it has been suggested that it would be necessary also to include the operational status of positioning equipment in navigation status of the position report of AIS Messages 1, 2 and 3.

WP 5B would be grateful for the views of IMO on these proposals.

# 2 AIS locating signal for 406 MHz radio beacons & removal of reference to PLBs

Noting that Resolution MSC.471 (101), in Part B, Section 5 states that:

5 The AIS locating signal should:

…

4 broadcast the Cospas-Sarsat beacon 15 HEX-ID in the AIS Message 14, alternating with the text ‘EPIRB ACTIVE’ on AIS1 and AIS2; and

…

It is understood by WP 5B that the transmission of 15 Hex-ID using Message 14 meets the above requirements, so there is no need to repeat the transmission through Message 24A.

WP 5B seeks the views of IMO on this proposal.

# 3 Action requested

Noting that some proposals on the revision of Recommendation ITU-R M.1371-5 are already under consideration by IMO, WP 5B requests guidance from IMO on how to proceed with the above proposals.

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| **Status:** For action |  |
| **Deadline:** 1 July 2022 |  |
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**Attachment:** Preliminary draft revision of Recommendation ITU-R M.1371-5 ([Annex 10](https://www.itu.int/dms_ties/itu-r/md/19/wp5b/c/R19-WP5B-C-0481!N10!MSW-E.docx) to Working Party 5B Chairman's Report Doc. [5B/481](https://www.itu.int/md/R19-WP5B-C-0481/en))



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