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| **Radiocommunication Study Groups** | ARM8-9.2.2 |
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| Source: Document 5B/TEMP/181  Subject: WRC-19 AI 1.9.1 |  |
| **11 December 2017** |
| **English only** |
| Working Party 5B | |
| LIAISON STATEMENT TO the INTERNATIONAL MARITIME ORGANIZATION, the INTERNATIONAL ASSOCIATION OF MARINE AIDS TO NAVIGATION AND LIGHTHOUSE Authorities,  the World Meteorological Organization and  the COMITÉ INTERNATIONAL RADIO-MARITIME | |
| Autonomous maritime radio devices | |

ITU-R Working Party 5B (WP 5B), at its meeting on 6th - 17th November 2017 continued the work on WRC-19 AI 1.9.1 on autonomous maritime radio devices (AMRDs). WP 5B provides relevant draft documentation to International Maritime Organization (IMO), International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA), World Meteorological Organization (WMO) and Comité International Radio-Maritime (CIRM).

A progress report is presented in the Annex.

Further information can be found in working document PDN Report ITU-R M.[AMRD] (Annex 22 of Document [5B/305](http://www.itu.int/md/R15-WP5B-C-0305/en)), working document PDN Report ITU-R M.[NEW\_MARNUM], working document towards draft CPM text on WRC-19 AI 1.9.1, working document PDR of Recommendation ITU-R M.585-7 and working document towards PDR of Recommendation ITU-R M.1371-5.

IMO, IALA, WMO and CIRM are invited to review the work and take action as appropriate.

**Annex**: Progress of work by WP 5B on AI 1.9.1 on AMRDs

**Status**: For information and action

**Deadline**: April 2018

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**Attachments:** Document 5B/411 (Annexes 3, 13, 14 and 23)

   

Annex

In accordance with Resolution **362** (**WRC-15**), the WRC-19 agenda item 1.9.1 intends to protect Global Maritime Distress and Safety System (GMDSS) and Automatic Identification System (AIS) frequencies in Appendix **18** from use by AMRDs which are not part of the maritime mobile service. The maritime mobile service includes satellite emergency position indicating radio beacons (EPIRBs) and AIS-SARTs but does not include personal devices, diver devices, fishing equipment indicators, indicating and locating devices for objects which are neither vessels as defined in the International Regulations for Preventing Collisions at Sea (COLREGs) nor Aids to Navigation (AtoNs) as described in existing IALA guidelines.

WP 5B identified two groups of AMRDs:

Group A: AMRDs that enhance the safety of navigation,

Group B: AMRDs that do not enhance the safety of navigation (AMRDs which deliver signals or information which do not concern the vessel can distract or mislead the navigator and degrade the safety of navigation).

# 1 Proposals

## 1.1 AMRD Group A

Group A devices should operate on frequencies AIS 1 and AIS 2. To facilitate this WP 5B proposes changes to Recommendation ITU-R M.585-7 to provide additional identities and to Recommendation ITU-R M.1371-5 to define appropriate transmission characteristics and a new draft message 28 for use by these devices only. At present both methods provide a means to identify the type of device, e.g. fishing net.

## 1.2 AMRD Group B

WP 5B is of the view that Group B will only be used for local communication, (a few nautical miles). WP 5B is therefore considering new frequencies in the band 156-162.05 MHz for devices with low antenna height and low power:

• AIS technology: At least one 25 kHz channel;

• Voice telephony: At least one 25 kHz channel;

• Other technology: At least 25 kHz bandwidth.

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