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| **World Radiocommunication Conference (WRC-15) Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
|  |  |
| **PLENARY MEETING** | **Addendum 2 to Document 9(Add.16)-E** |
|  | **24 June 2015** |
|  | **Original: English** |
|  | |
| European Common Proposals (CEPT) | |
| Proposals for the work of the conference | |
|  | |
| Agenda item 1.16 | |

1.16 to consider regulatory provisions and spectrum allocations to enable possible new Automatic Identification System (AIS) technology applications and possible new applications to improve maritime radiocommunication in accordance with Resolution **360** **(WRC‑12)**;

Issue B

Introduction

Taking into account the studies performed during this study period, this ECP proposes the following in order to introduce the VHF data exchange system (VDES) for the maritime community:

In order to introduce the terrestrial component of the VDES, it is proposed to identify the following duplex channels of RR Appendix 18: 24, 84, 25 and 85. It is further proposed that the merging of these channels will permit a better data rate for the VDE (VHF data exchange) and characteristics of VDES have been developed during the study period.

These European proposals are based on the Method B1 of the CPM Report.

Proposals

MOD EUR/9A16A2/1

APPENDIX 18 (REV.WRC‑15)

Table of transmitting frequencies in the  
VHF maritime mobile band

(See Article 52)

| Channel designator | Notes | Transmitting frequencies  (MHz) | | Inter-ship | Port operations  and ship movement | | Public corres-pondence |
| --- | --- | --- | --- | --- | --- | --- | --- |
| From ship stations | From coast stations | Single frequency | Two frequency |
| 24 | *w), ww), x), AAA)* | 157.200 | 161.800 |  | x | x | x |
| 1024 |  | 157.200 |  |  |  |  |  |
| 2024 |  | 161.800 | 161.800 | x |  |  |  |
| 84 | *w), ww), x), AAA)* | 157.225 | 161.825 |  | x | x | x |
| 1084 |  | 157.225 |  |  |  |  |  |
| 2084 |  | 161.825 | 161.825 | x |  |  |  |
| 25 | *w), ww), x), AAA)* | 157.250 | 161.850 |  | x | x | x |
| 1025 |  | 157.250 |  |  |  |  |  |
| 2025 |  | 161.850 | 161.850 | x |  |  |  |
| 85 | *w), ww), x), AAA)* | 157.275 | 161.875 |  | x | x | x |
| 1085 |  | 157.275 |  |  |  |  |  |
| 2085 |  | 161.875 | 161.875 | x |  |  |  |
| 26 | *w), ww), x)* | 157.300 | 161.900 |  | x | x | x |
| 1026 |  | 157.300 |  |  |  |  |  |
| 2026 |  |  | 161.900 |  |  |  |  |
| 86 | *w), ww), x)* | 157.325 | 161.925 |  | x | x | x |
| 1086 |  | 157.325 |  |  |  |  |  |
| 2086 |  |  | 161.925 |  |  |  |  |

*General notes*

*…*

*Specific notes*

*…*

**Reasons:** Introduction of the VDES in the Appendix 18 as follows:

VDE 1 lower legs (channels 1024, 1084, 1025 and 1085) are ship-shore VDE.

VDE 1 upper legs (channels 2024, 2084, 2025 and 2085) are shore-ship and ship-ship VDE.

**Notes referring to the Table**

MOD EUR/9A16A2/2

*w)* In Regions 1 and 3:

Until 1 January 2017, the frequency bands 157.025-157.325 MHz and 161.625-161.925 MHz (corresponding to channels: 80, 21, 81, 22, 82, 23, 83, 24, 84, 25, 85, 26 and 86) may be used for new technologies, subject to coordination with affected administrations. Stations using these channels or frequency bands for new technologies shall not cause harmful interference to, or claim protection from, other stations operating in accordance with Article 5.

From 1 January 2017, the frequency bands 157.025‑157.175 MHz and 161.625-161.775 MHz (corresponding to channels: 80, 21, 81, 22, 82, 23 and 83) are identified for the utilization of the digital systems described in the most recent version of Recommendation ITU‑R M.1842. These frequency bands could also be used for analogue modulation described in the most recent version of Recommendation ITU‑R M.1084 by an administration that wishes to do so, subject to not claiming protection from other stations in the maritime mobile service using digitally modulated emissions and subject to coordination with affected administrations.

From 1 January 2017, the frequency bands 157.200‑157.325 MHz and 161.800-161.925 MHz (corresponding to channels: 24, 84, 25, 85, 26, 86) are identified for the utilization of the VHF Data Exchange System (VDES) described in the most recent version of Recommendation ITU‑R M.[VDES].     (WRC‑15)

*ww)* In Region 2, the frequency bands 157.200-157.325 and 161.800-161.925 MHz (corresponding to channels: 24, 84, 25, 85, 26 and 86) are designated for digitally modulated emissions in accordance with the most recent version of Recommendation ITU‑R M.1842.     (WRC‑12)

ADD EUR/9A16A2/3

*AAA)* From 1 January 2019, the channels 24, 84, 25 and 85 may be merged in order to form a unique duplex channel with a bandwidth of 100 kHz in order to operate the VDES described in the most recent version of the Recommendation ITU‑R M.[VDES].     (WRC‑15)

**Reasons:** The merge of these channels will permit a better data rate for the VDE terrestrial.

SUP EUR/9A16A2/4

RESOLUTION 360 (WRC‑12)

Consideration of regulatory provisions and spectrum allocations for   
enhanced Automatic Identification System technology applications   
and for enhanced maritime radiocommunication

**Reasons:** It is proposed to suppress Resolution 360 (WRC-12) since it will become superfluous after the studies are completed and the identification of frequencies in order to enhance maritime radiocommunication has been made by the WRC-15 Conference.

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