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| **World Radiocommunication Conference (WRC-15)Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
|  |  |
| PLENARY MEETING | **Addendum 2 toDocument 25(Add.16)-E** |
|  | **10 September 2015** |
|  | **Original: Arabic** |
|  |
| Arab States Common Proposals |
| 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

Pursuant to the results of ITU-R studies on the provision of a VHF data exchange system (VDES) for the maritime community, the Arab States administrations propose the following:

In order to introduce the terrestrial component of the VDES, it is proposed to identify the duplex channels 24, 84, 25 and 85 of RR Appendix 18 for this purpose.

It is further proposed that the merging of these channels will permit a better data rate for the VDE terrestrial component. This is achieved through a new Note *AAA)* in the RR Appendix 18.

Proposals

MOD ARB/25A16A2/1

APPENDIX 18 (REV.WRC‑15)

Table of transmitting frequencies in the
VHF maritime mobile band

(See Article 52)

.../...

| Channeldesignator | Notes | Transmittingfrequencies (MHz) | Inter-ship | Port operations and ship movement | Publiccorres-pondence |
| --- | --- | --- | --- | --- | --- |
| From ship stations | From coast stations | Single frequency | Two frequency |
| ... | *...* | ... | ... | ... | ... | ... | ... |
| 80 | *w), y)* | 157.025 | 161.625 |  | x | x | x |
| 21 | *w), y)* | 157.050 | 161.650 |  | x | x | x |
| 81 | *w), y)* | 157.075 | 161.675 |  | x | x | x |
| 22 | *w), y)* | 157.100 | 161.700 |  | x | x | x |
| 82 | *w), x), y)* | 157.125 | 161.725 |  | x | x | x |
| 23 | *w), x), y)* | 157.150 | 161.750 |  | x | x | x |
| 83 | *w), x), y)* | 157.175 | 161.775 |  | x | x | x |
| 24 | *w), ww), x), AAA)* | 157.200 | 161.800 |  | x | x | x |
| 1024 | *BBB)* | 157.200 |  |  |  |  |  |
| 2024 | *CCC)* | 161.800 | 161.800 | x |  |  |  |
| 84 | *w), ww), x), AAA)* | 157.225 | 161.825 |  | x | x | x |
| 1084 | *BBB)* | 157.225 |  |  |  |  |  |
| 2084 | *CCC)* | 161.825 | 161.825 | x |  |  |  |
| 25 | *w), ww), x), AAA)* | 157.250 | 161.850 |  | x | x | x |
| 1025 | *BBB)* | 157.250 |  |  |  |  |  |
| 2025 | *CCC)* | 161.850 | 161.850 | x |  |  |  |
| 85 | *w), ww), x), AAA)* | 157.275 | 161.875 |  | x | x | x |
| 1085 | *BBB)* | 157.275 |  |  |  |  |  |
| 2085 | *CCC)* | 161.875 | 161.875 | x |  |  |  |
| 26 | *w), ww), x)* | 157.300 | 161.900 |  | x | x | x |
| 1026 | *BBB)* | 157.300 |  |  |  |  |  |
| 2026 | *CCC)* | 161.900 | 161.900 | x |  |  |  |
| 86 | *w), ww), x)* | 157.325 | 161.925 |  | x | x | x |
| 1086 | *BBB)* | 157.325 |  |  |  |  |  |
| 2086 | *CCC)* | 161.925 | 161.925 | x |  |  |  |
| ... | *...* | ... | ... | ... | ... | ... | ... |

**Reasons:** Introduction of VDES in RR 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.

SAT Up3 (channels 1024, 1084, 1025, 1085, 1026 and 1086) is a ship-satellite VDE uplink.

SAT Downlink (channels 2024, 2084, 2025, 2085, 2026 and 2086) is the satellite-ship VDE downlink.

**Notes referring to the Table**

*General notes*

NOC ARB/25A16A2/2

Notes *a)* to *e)*

*Specific notes*

NOC ARB/25A16A2/3

Notes *f)* to *s)*

MOD ARB/25A16A2/4

*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, 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)

**Reasons:** The date of 1 January 2017 has been defined by WRC-12.

NOC ARB/25A16A2/5

Note *ww)*

ADD ARB/25A16A2/6

*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 Recommendation ITU‑R M.[VDES].     (WRC‑15)

**Reasons:** Merging these channels will permit a better data rate for the terrestrial VDES.

ADD ARB/25A16A2/7

*BBB)* From 1 January 2019 the combination of the channels 1024, 1084, 1025, 1085, 1026 and 1086, which are also allocated to the maritime mobile-satellite service (Earth-to-space), shall be used for the reception of VDES messages from ships as described in the most recent version of Recommendation ITU‑R M.[VDES].     (WRC‑15)

**Reasons:** Identification of channels for the satellite uplink of the VDES.

ADD ARB/25A16A2/8

*CCC)* From 1 January 2019 the combination of the channels 2024, 2084, 2025, 2085, 2026 and 2086, which are also allocated to the maritime mobile-satellite service (space-to-Earth), shall be used for the reception of VDES messages from satellites as described in the most recent version of Recommendation ITU‑R M.[VDES] in which this combination is denominated as SAT downlink.     (WRC‑15)

**Reasons:** Identification of channels for the satellite downlink of the VDES.

NOC ARB/25A16A2/9

Notes *x)* and *y)*

SUP ARB/25A16A2/10

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 to enhance maritime radiocommunications has been made by WRC-15.

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