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Draft IALA position on WRC-19 Agenda Item 1.9.2 (VDE-SAT)

# Introduction

IALA, through the work of the experts of the Communications Working Group of the IALA ENAV Committee, continues to advance its work to create the VHF Data Exchange System (VDES) to provide the first world-wide standard communication channel to support e-Navigation.

The World Radiocommunication Conference 2015 (WRC-15) approved the allocation of frequencies for the terrestrial component of VDES (ASM and VDE-TER), but requested further compatibility and sharing studies between the proposed satellite component of VDES (VDE-SAT) and other services in the same, and in the adjacent, frequency bands. The decision to allocate frequencies for VDE-SAT was deferred until WRC-19, subject to further studies, including consideration of alternative frequency plans for VDE-SAT. IALA has provided contributions to the on-going compatibility and sharing studies for VDE-SAT to all ITU-R WP 5B meetings since WRC-15, addressing questions raised by providing analyses to show compatibility with incumbent services. The results of sharing studies and compatibility analysis are included in the latest version of the “Working Document Towards Preliminary Draft New Report ITU-R M.[VDES-SAT]”, as prepared by ITU-R WP 5B in May 2018 (ITU-R Document 5B/538 (Annex 27)).

# Preliminary IALA position on WRC-19 Agenda Item 1.9.2 (VDE-SAT)

IALA supports the introduction of a new primary maritime mobile-satellite (space-to-Earth) service allocation within the frequency band 160.9625-161.4875 MHz, which is not channelized in RR Appendix 18, and the introduction of a new primary maritime mobile-satellite (Earth-to- space) service allocation in the channels 24, 84, 25, 85, 26, 86 of RR Appendix 18.

To protect incumbent services, the pfd-mask contained in Recommendation ITU-R M.2092 should be applied to the space-to-Earth allocation for VDE-SAT.

This is in line with Method B of the Draft CPM text as developed by ITU-R WP 5B. This method uses frequency plan alternative 2, which was proposed by IALA, and is further described in the “Working Document Towards Preliminary Draft New Report ITU-R M.[VDES-SAT]”, as prepared by ITU-R WP 5B in May 2018 (ITU-R Document 5B/538 (Annex 27)).

# Action requested

IALA members are invited to take note of the Draft IALA position on WRC-19 Agenda Item 1.9.2 (VDE-SAT), promote this position to their ITU representatives, and in relevant forums to support the work towards allocation of frequencies to the satellite component of VDES (VDE-SAT) at the WRC-19, noting that for VDES to be truly global, the satellite link is required.

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-1)
2. Leave open if uncertain [↑](#footnote-ref-2)