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| Position on WRC-19 agenda item 1.9.2  VDE-SAT |
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# The Purpose of THIS DOCUMENT

This document has the purpose of presenting the position of IALA on World Radio Conference 2019 (WRC-19) agenda item 1.9.2 (VDE-SAT).

# Introduction

IALA 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.

IALA notes that WRC-15 allocated frequencies for the terrestrial component of VDES, including ASM satellite uplink, but requested further compatibility and sharing studies between the 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 compatibility and sharing studies for VDE-SAT to all ITU-R WP 5B meetings since WRC-15, to show compatibility with incumbent services in both directions, uplink and downlink. The results of sharing studies and compatibility analyses are included in Report ITU-R M.2435-0.

# IALA POSITION ON WRC-19 AGENDA ITEM 1.9.2 (VDE-SAT)

IALA supports the introduction of new frequency allocations to the maritime mobile-satellite service (Earth-to-space) and (space-to-Earth) within the frequency bands 156.0125-157.4375 MHz and 160.6125-162.0375 MHz for the satellite component of VDES (VDE-SAT) in support of the digital evolution of maritime communications.

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

Noting that the specific frequency or channel allocation, and the level of protection for the allocation, is under the auspices of ITU, IALA recommends that the maritime mobile-satellite service allocation for the satellite component of VDES (VDE-SAT) should have the maximum bandwidth available to facilitate both high volume and speed for VHF digital data exchange, and that the allocation should be protected to the maximum extent possible.

# Action Requested

IALA members are invited to take note of the 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 the allocation of frequencies to the satellite component of VDES (VDE-SAT) at WRC-19, noting that for VDES to be truly global, the satellite link is required.