



POSITION ON WRC-19 AGENDA ITEM 1.9.2 VDE-SAT



1. 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).

2. 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.

3. 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.

4. 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.