



**PLENARY MEETING**

ENAV22-12.1.8

**Document CPM19-2/-E**  
**XX YYY 2018**  
**English only**

**International Association of Marine Aids to Navigation  
and Lighthouse Authorities (IALA)**

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

**1 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.

IALA notes that WRC-15 approved the allocation of frequencies for the terrestrial component of VDES, including ASM satellite uplink, 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 in both directions, uplink and downlink. The results of sharing studies and compatibility analyses 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)).

**2 PRELIMINARY IALA POSITION ON WRC-19 AGENDA ITEM 1.9.2 (VDE-SAT)**

IALA supports the introduction of a new maritime mobile-satellite (both space-to-Earth and Earth-to space) service allocation within the frequency band 156.0125-157.4375 MHz and 160.6125-162.0375 MHz for the satellite component of VDES (VDE-SAT). 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.

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.

**3 ACTION REQUESTED**

ITU CPM 19-2 is invited to note the IALA position on WRC-19 Agenda Item 1.9.2 (VDE-SAT),