

**IALA COUNCIL
64th session****13-16 June 2017
Incheon
Republic of Korea****11 – TECHNICAL ACTIVITIES*****11.4 – ENAV*****11.4.9 – Draft Recommendation R1007 The VHF Data Exchange System (VDES) for Shore Infrastructure**

Note by the Secretariat

1. BACKGROUND

Building on the success of the AIS system, the VHF Data Exchange System (VDES) includes functions for AIS, application specific messages (ASM), and VHF data exchange (VDE).

The VHF Data Exchange System (VDES) is a developing communications system which is being coordinated by IALA in consultation with the International Telecommunication Union (ITU), the International Maritime Organization (IMO) and the International Electrotechnical Commissions (IEC).

2. GUIDELINE ON CALCULATION OF DGNSS ANTENNA EFFICIENCY

This is a new Recommendation.

It recommends that National Members and other authorities providing shore infrastructure for marine aids to navigation services should plan to upgrade existing AIS shore infrastructure to VDES shore infrastructure to provide enhanced digital connectivity, and that those authorities without existing AIS shore infrastructure should consider implementing VDES shore infrastructure.

The finalised document is submitted as input paper C64-11.4.9.1.

3. THE COUNCIL IS REQUESTED TO

Approve the draft Recommendation R1007 The VHF Data Exchange System (VDES) for Shore Infrastructure.