



IALA RECOMMENDATION

R1007 THE VHF DATA EXCHANGE SYSTEM (VDES) FOR SHORE INFRASTRUCTURE

Edition 1.1

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DOCUMENT HISTORY

Revisions to this document are to be noted in the table prior to the issue of a revised document.

Date	Details	Approval
16 June 2017	1 st issue	Council session 64
September 2020	Edition 1.1 Editorial corrections.	

THE COUNCIL

RECALLING:

- 1 The function of IALA with respect to Safety of Navigation, the efficiency of maritime transport and the protection of the environment.
- 2 Article 8 of the IALA Constitution regarding the authority, duties and functions of the Council.
- 3 The work of IALA in the defining and implementing the Automatic Identification System (AIS).
- 4 the VHF Data Exchange System (VDES) includes functions for AIS, application specific messages (ASM), and VHF data exchange (VDE).

RECOGNIZING that 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).

NOTING that:

- 1 The World Radiocommunication Conference 2015 (WRC-15) approved frequency use for VDE terrestrial (reception and transmission) and ASM terrestrial (reception and transmission) and ASM satellite reception.
- 2 WRC-19 will consider allocation of frequencies for the satellite component for VDE (reception and transmission).
- 3 IALA Guideline G1117 *VHF Data Exchange System (VDES) Overview* describes VDES and its future role in digital marine connectivity for safety of navigation.

CONSIDERING the advice of the e-Navigation Committee provided to Council at its 64th Session,

ADOPTS Recommendation R1007, the VHF Data Exchange System (VDES) for Shore Infrastructure,

INVITES Members and marine aids to navigation authorities worldwide to implement the provisions of the Recommendation,

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.

REQUESTS the IALA e-Navigation Committee, or such other committee as the Council may direct, reviews the Recommendation and proposes amendments, as necessary.