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Technical Domain / Task Number 2 5.1.1

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Maritime and Port Authority of Singapore

VHF Data Exchange System (VDES) Seminar

# Summary

This document describes the VDES seminar that will be co-hosted by the Maritime Port Authority of Singapore (MPA), the Japan Coast Guard (JCG) and IALA World-Wide Academy, to promote to use VDES by sharing the current progress and best practice.

# Background

As a new infrastructure of the digital communication, there had been consideration about the introduction of VDES for both shipboard carriage and shore-based implementation. VDES is seen as an effective and efficient use of VHF radio spectrum, building on the existing capabilities of AIS and addressing the increasing requirements for data through the system. VDES will serve as one of important world-wide infrastructure for the safety of navigation. Hence, promoting the use of VDES would contribute to the enhancement of safety of navigation. Based on this background, MPA and the JCG submit a proposal to co-host of VDES seminar on February 17, 2025.

# Discussion

DTEC committee is developing and planning to develop new standards for VDES and many IALA members including industry members are also developing new VDES-related products to meet future demands from coastal and port authorities. The seminar aims to promote the best bedding and use of VDES by sharing the current progress and best practices. The Submitters believe that a VDES seminar is the best platform to discuss and share the progress of VDES for marine Aids to Navigation (AtoN) services.

The details of the seminar is attached as annex of this document.

# Action requested to the Committee

The Committee is requested to note the information provided and Committee Members are invited to attend the VDES seminar.

**VDES Seminar**

|  |  |
| --- | --- |
| **Vision** | **Maritime Radionavigation and Radiocommunication in Digital era** |
| **Purpose(s)** | 1. To share the progress and best practice of the use of VDES for maritime communication authorities, providers and manufacturers to encourage the investment and development of future maritime radionavigation and radio communication systems 2. To contribute to discussions on the operational requirements of VDES services for future maritime radionavigation and radiocommunication systems 3. To identify and facilitate discussion on the technical and operational challenges for the use of VDES for current and future maritime operations. |
| **Goal(s)** | 1. To encourage to test bed and use VDES 2. To develop IALA’s view on future use of VDES |
| **Who** | The seminar will provide a presentation and panel discussion about the best practice and development of VDES on digital maritime radio communication infrastructure. It is envisaged that invitations will be sent to:   * Marine aids to navigation authorities and providers * Association of seafarers * Ship owners/ operators * Industry members involved in radio navigation and/ or communication equipment and systems |
| **Size of Group** | It is expected that the seminar will attract a group of up to 100 persons |
| **Where** | Suntec Singapore Convention & Exhibition Centre |
| **Duration** | 9.00am-12.00pm |
| **When** | 17 February 2025 (Monday) |
| **Cost to Participants** | Free-of-charge |
| **Process** | TBD |
| **Steering Committee** | Steering Committee for the Seminar:  Representatives from the co-host organizations, Japan Coast Guard, Maritime and Port Authority of Singapore and IALA World-Wide Academy |

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