

**IALA COUNCIL
3rd Session**



**8-12 December 2025
Mumbai, India**

10 – TECHNICAL ACTIVITIES

10.7 – Product specifications and technical services

10.7.2 – Committee work on Technical Services

Note by the Secretariat

1. INTRODUCTION

During their recent sessions, the ARM, ENG, VTS, and DTEC Committees continued their coordinated efforts to advance the development of standardized Technical Services (TS) under the IALA S-200 framework.

This work, encompassing the creation of Service Specifications, Service Designs, and Service Instance documentation, represents a significant step toward achieving interoperable, digital maritime services in alignment with the S-100 framework. The activities reflect growing maturity in IALA's approach to digital service delivery, particularly within the AtoN and VTS domains.

2. SUMMARY OF THE COMMITTEE WORKS

The following sections provide a summary of each Committee's ongoing work on Technical Service development.

Service Specification	IALA Committee	Referenced Data Models	Completion Date	Service Design	Service Design Completion Date
Marine Aids to Navigation (AtoN) Technical Service Specification for the provision of AtoN information	ARM, DTEC	S-125	Edition 1.0.0: ARM18 Edition 2.0.0: (depending on S-125)	SECOM based	Edition 1.0.0: ARM19
Marine Aids to Navigation (AtoN) Technical Service Specification for the provision of enhanced AtoN information	ARM, DTEC	S-201		SECOM based	
Voyage information service	VTS, DTEC	S-421, ...			
Route exchange service	VTS, DTEC	S-421, ...	Edition 1.1.0: VTS58	Route exchange Ed1.1.0:VTS58	
S-200 based ASM provision	DTEC	S-230			
Slot management service	VTS, DTEC				
Traffic clearance service	VTS, DTEC	S-212, S-421	Edition 1.5.0: VTS 57	SECOM based	Edition 1.2.0: VTS 57
Anchorage assignment service	VTS, DTEC				

3. ARM

The ARM Committee continued its work on the development of Technical Service Specifications for the provision of AtoN information, completing the first phase of the assigned task. As part of this activity, the group reviewed the Maritime Service Description for Aids to Navigation Service, as defined in IMO MSC.1/Circ.1610, as amended. Further updates to the AtoN Service Specification document are anticipated as additional IALA Members contribute to the identification and consolidation of requirements.

An intersessional group meeting is planned to advance this work, and participation from all Committee members is encouraged.

4. VTS

The VTS Committee made continued progress in developing digital VTS services. Specifically, during its 58th session, the Committee completed:

- Service Specification Version 1.1 and Service Design Version 1.1 for the Route Exchange Service, enabling digital exchange of planned routes between ships and VTS centres.

These documents are key building blocks of the forthcoming S-212 Product Specification and ensure interoperability with digital route formats such as S-421 (Route Plan Exchange).

5. DTEC

At its latest session, the DTEC Committee focused primarily on supporting documents necessary for Technical Service implementation, notably Guideline G1191 on the Maritime Service Registry Technical Specifications.

Several intersessional and inter-committee meetings are planned to further progress the development and harmonisation of Technical Services.

6. CONCLUSION

The ARM, VTS, and DTEC Committees have made tangible advances in the development of IALA Technical Services by producing detailed Service Specifications, Service Designs, and foundational templates necessary for future implementation.

Ongoing and close coordination among Committees will be essential to complete the validation and testing processes, and to support early operational deployments of these services over the coming years.

7. THE COUNCIL IS REQUESTED TO

NOTE the information provided in this document.