



11 – TECHNICAL ACTIVITIES

11.6 – S-200 Development

11.6.1 – Committee work on S-200

Note by the Secretariat

1. INTRODUCTION

Following Council approval for the participation of IALA in the IHO GI Registry, IALA has worked closely with IHO to develop S-200 product specifications within its areas of responsibility, in particular AtoN and VTS. IALA is a submitting organisation and domain control body of S-200 product specifications (PS) which are compliant with the IHO S-100 standard.

During the second half of 2020 Committee meetings, the Committees have worked on various PS related issues.

This paper is intended to report to the Council on the development status of S-200 PS series by the Committees.

2. UPDATES ON S-200 DEVELOPMENT

As the domain control body of S-200 series, IALA is able to develop its own PS related to Aids to Navigation and can canvass other members in their domain for an opinion on the acceptability of any new proposal.

IALA's Domain on the S-200 PS covers:

- Aids to Navigation (AtoN)
- Vessel Traffic Services (VTS)
- Positioning Systems
- Communication Systems
- AIS, ASM, VDES

The following table summarises the work of the committees;

Domain	PS	Title	Developer	Version
AtoN	S-201	AtoN information	ARM	1.0.0
Positioning	S-240	DGNSS almanac	ENG	1.0.0
	S-245, S-246, S-247	eLoran ASF, almanac, reference stations	ENG	0.0.6
Commu.	S-230	Application Specific Message (ASM)	ENAV	Planned
VTS	S-210	Inter VTS exchange	VTS	Planned
	S-211	Port Call Message	IPCDMC	1.0.0
	S-212	VTS digital information service	VTS	0.6.4



2.1 S-201 (S-125) Aids to Navigation information

Since ARM completed the S-201 PS version 1.0.0, the PS has been open for testing. Canada and Korea have submitted input papers on a proposal to improve the S-201 implementation and extending the data model and testbed.

The committee discussed the papers and updated the product specification. In particular, the group agreed to create a new version of the Feature Catalogue adding missing definitions and roles/associations. The Task Group leader will draft the permitted values for all listed values in S-201, and an inter-sessional meeting will review it. IALA will liaise with IHO on the AtoN definition update.

The group will investigate the status of the emergency wreck marking buoy definition and compare it to the G-1122 AtoN Pictogram and will extend the S-201 data model.

Regarding S-125, a scoping exercise was undertaken, and a rudimentary sketch of a draft working paper was drawn up. This outlines the thoughts and ideas of the working group on S-125. The group worked on a functional hierarchy document, and that will be developed inter-sessionally. The group also prepared a liaison note to IHO (C72-11.2.2(ARM12-13.4.1)).

2.2 S-212 VTS Digital information service

VTS 49 worked on S-212. The task is progressing, but requires further work which will be carried out inter-sessionally. An inter-sessional group will further develop the work from this session and produce input to VTS50.

The work will include how to use the data model of the S-212 PS, create a Technical Service Description based on G1128, and further develop the S-212 PS.

The group prepared a liaison note (VTS49-12.1.2.1) on S-212, referencing other S-100PSs, and sent this note to the other committees.

2.3 S-240 DGNSS station almanac

The committee reviewed and updated the latest version of the S-240 DGNSS almanac (ENG12-3.1.24). This update provides corrections to errors, and rectifies omissions observed in the version that is currently available on the IALA website. The version 1.0.0 of the S-240 DGNSS Station Almanac Product Specification is attached to this document as C72-11.6.1.1 (ENG12-13.3.3).

3. STRATEGY

IALA has been closely involved in the development of e-navigation and the Common Maritime Data Structure (CMDS) necessary to support it. It is expected that IALA will continue to play a leading role in coordinating the specifications and data exchange formats that will underpin e-navigation services in the future.

In order to meet these broad objectives, the product specifications should be promoted for testing and trials.

4. THE COUNCIL IS REQUESTED TO

NOTE the information provided in this document.