



IALA COUNCIL

76th session



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Brazil

10 – TECHNICAL ACTIVITIES

10.7 – S-200 Development

10.7.1 – Committee work on S-200

Note by the Secretariat

1. INTRODUCTION

During the second half of 2022, the committees continued their work on the development of S-200 Product Specifications (PS) within their areas of responsibility.

The purpose of this paper is to report to the Council about the development status of the S-200 PS series, following the work completed by the committees.

2. UPDATE ON S-200 PS DEVELOPMENT

As the domain control body of the S-200 series, IALA develops its own PS related to Marine Aids to Navigation.

The following table summarizes the work of the committees as of now:

| Domain | PS | Title | Developing Committee | Version |
|-------------|-------|------------------------------------|----------------------|---------|
| AtoN | S-201 | AtoN information | ARM | 1.1.0 |
| | S-125 | Maritime Navigational Service | NIPWG (ARM) | |
| Positioning | S-240 | DGNSS almanac | ENG | 1.0.0 |
| | S-245 | eLoran ASF | ENG | 1.0.0 |
| | S-246 | eLoran almanac | ENG | 1.0.0 |
| | S-247 | eLoran reference stations | ENG | 1.0.0 |
| Comms. | S-230 | Application Specific Message (ASM) | ENAV | Planned |
| VTS | S-210 | Inter VTS exchange | VTS | Started |
| | S-211 | Port Call Message | IPCDMC | 1.0.0 |
| | S-212 | VTS digital information service | VTS | 0.6.5 |

S-201 and S-125

The ARM Task Group working on S-201 and S-125 endorsed the result of the IHO/IALA joint workshop in Alesund, Norway, in September 2022 and continued their task and updated the S-201 AtoN information product specifications.



In the joint workshop, the purpose and scope of the S-125 Marine AtoN product specification were discussed, and in particular, a method for indicating the symbol of the AtoN status was reviewed. Further, in the workshop it was also pointed out that the previous AtoN status symbol, indicated by a red circle and two letters, resembled to the circle symbol of virtual AIS AtoN. Accordingly, referring to the additional navigation information symbol as a magenta box in the current ENC, new AtoN status symbols were proposed.

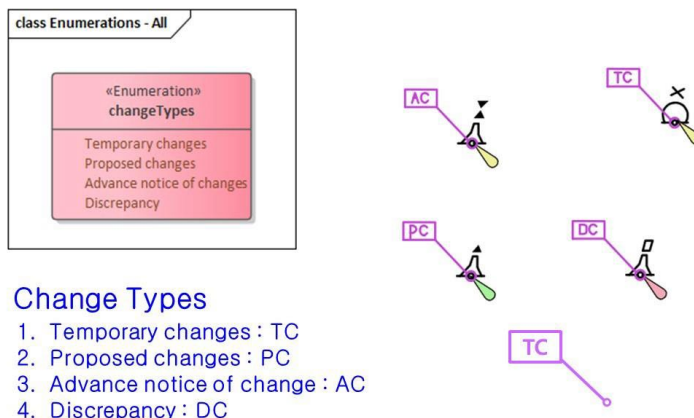


Figure 1 Proposed symbols of AtoN status in S-125

The S-201 task group has progressed with the revision of the S-201 standard and completed the revision of the S-201 AtoN information product specification in consideration of the results of the S-100/S-200 workshop. The version of the S-201 standard was updated to version 1.1.0 and submitted to the ARM committee for approval. Annex C of the S-201– Implementation guidance has not yet been discussed.

The test group noted the updates which had been made to the S-201 testbed platform by the Secretariat, Korea MOF and KRISO. The update included some interface improvements and new functions, such as validation and the creation of a S-201 dataset by the user. In addition, the group discussed how to promote the use of the testbed by stakeholders, as well as developing a document for the testbed website. The task group meeting discussed the need for a standard form to apply the AtoN data of IALA member countries to the S-201 test bed, and they agreed to survey the spreadsheet-based standard form and sample data.

S-240

ENG has finalized work on the S-245 on eLoran ASF data PS and has decided to share this with the Secretariat for uploading to the IALA website as a draft for testing (version 1.0.0). Together with the S-246 and S-247 versions 1.0.0 which were finalized at the last committee session, they will be uploaded to the testbed.

The S-245 Version 1.0.0 can be found at C76-10.7.1.1.

S-212

The VTS committee also endorsed the result of the joint IHO/IALA workshop. During VTS 53, a general plan for the digital delivery of VTS information was discussed, and from this plan, it became clear that these tasks are closely related and that they also provide a basis for ongoing work. The working group has produced a number of use-cases which have been used to derive identification of technical requirements/services. Furthermore, two technical services were identified as possible tests for 'pioneer services'.

Post-VTS53 Intersessional work has been proposed in order to progress the ongoing work on S-212 and IVEF. The physical meeting is planned to take place on 13 -15 March 2023 at a location to be



confirmed. Details of the intersessional meeting will be published on the IALA VTS Committee Dashboard.

3. STRATEGY ON S-200

IALA will continue to develop and coordinate the PS and data exchange formats that will underpin e-navigation services in the future. The committees will focus on the technical service and the streaming of the data. As some of the S-200 PS reach maturity, they will require testing. IALA will then promote PS testbeds, inviting members to participate.

IALA will continue in close cooperation with IHO through regular joint workshops and technical cooperation meetings, to ensure the two organizations are harmonized with regard to development, including the related terms and definitions of AtoN.

4. THE COUNCIL IS REQUESTED TO

NOTE the information provided in this document.