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Technical Domain / Task Number 2 Working Group 1 (Harmonisation)

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S-201 development cooperation and research plan

## Purpose of the document

IALA, MOF(Ministry of Oceans and Fisheries, ROK) and KRISO agreed on the development of S-201 and exchange a letter signed for cooperation among the three parties. The S-201 development team including ROK members drafted the S-201 in 2015 and the draft has been improved by reviews and comments of AtoN experts.

In order to carry out the cooperation activities in the letter, ROK has planned to support the S-201 development of IALA. In this paper, additional activities identified and future research plan for the S-201 development are described.

## Related documents

* ENAV20-9.8.1 IALA S-201 Product Specification

# Discussion

## Additional activities for the S-201 development

After reviewing the progress of S-201 development and discussing with a member of S-201 development team, several additional activities were identified like below:

* Survey of additional requirement in terms of AtoN management: Current version is almost entirely focused on the link between AtoN Authority to hydrographic office and is weak in the management side of the AtoNs. AtoN Management information will be useful as a means of exchanging data within an AtoN authority. There is a need for improvement to the AtoN management information.
* S-201 Portrayal Catalogue: There is no portrayal for S-201. Portraying the AtoN information visually is going to be important in the future for things like visual control of the data, planning, management, etc.
* DCEG: There is a need to update the DCEG.
* Validation: There is a need to draft validation checks to the latest version of the model
* Review of all the enumerations: There is a need to restrain the enumerated lists with only the values that are applicable to S-201
* Joint research on a S-201 to S-57 conversion rules
* Assistance for a new version of S-201

## Future research plan of S-201 development

In order to support for IALA to finish and improve S-201 AtoN product specification, ROK will carry out a research project including additional activities identified above. ROK will cooperate with IALA and member states on S-201 and make a transition plan for AtoN management considering the S-201.

* Improvement plan of AtoN management system considering the S-201
* Creation of S-201 test datasets (GML)
* Displaying the S-201 test datasets on ENC based on S-201 Portrayal Catalogue

The research results will provide several implications in terms of testing the S-201 AtoN product specification. ROK hopes to exchange relevant information and carry out research project jointly with interested member states and parties.

# Action requested of the Committee

The Committee is requested to:

1. note this paper
2. review the additional topics identified for S-201 development and provide comments

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-1)
2. Leave open if uncertain [↑](#footnote-ref-2)