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Input paper for the following Committee(s): check as appropriate Purpose of paper:

**X** ARM **□** ENG **□**  PAP **X** Input

**□** ENAV **□** VTS **□** Information

Agenda item [[2]](#footnote-3) 8.4

Technical Domain / Task Number 2 7.1.2

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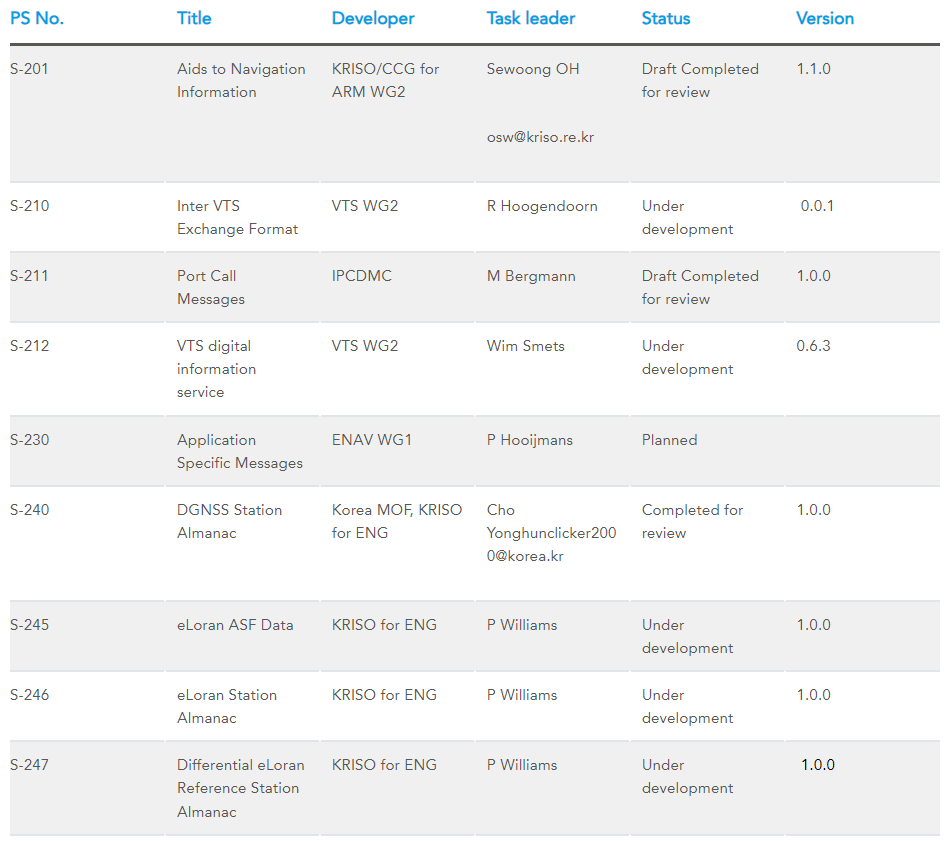
Review of S-200 World image

# Summary

The S-200 world image was created to share the concept of the S-200 series product specification being developed by IALA, and KRISO intends to improve it by collecting opinions from ARM committee members.

# Background

IALA has been developing the S-200 series product specifications for information exchange standards in the Aton, PNT, and VTS domains as follows.



# Background of drafting S-200 World image

While the International Hydrographic Organization and KHOA are developing the S-100 universal hydrographic data model and the S-100 series product specification, they announced the S-100 World image to provide the status and concept of S-100 world.

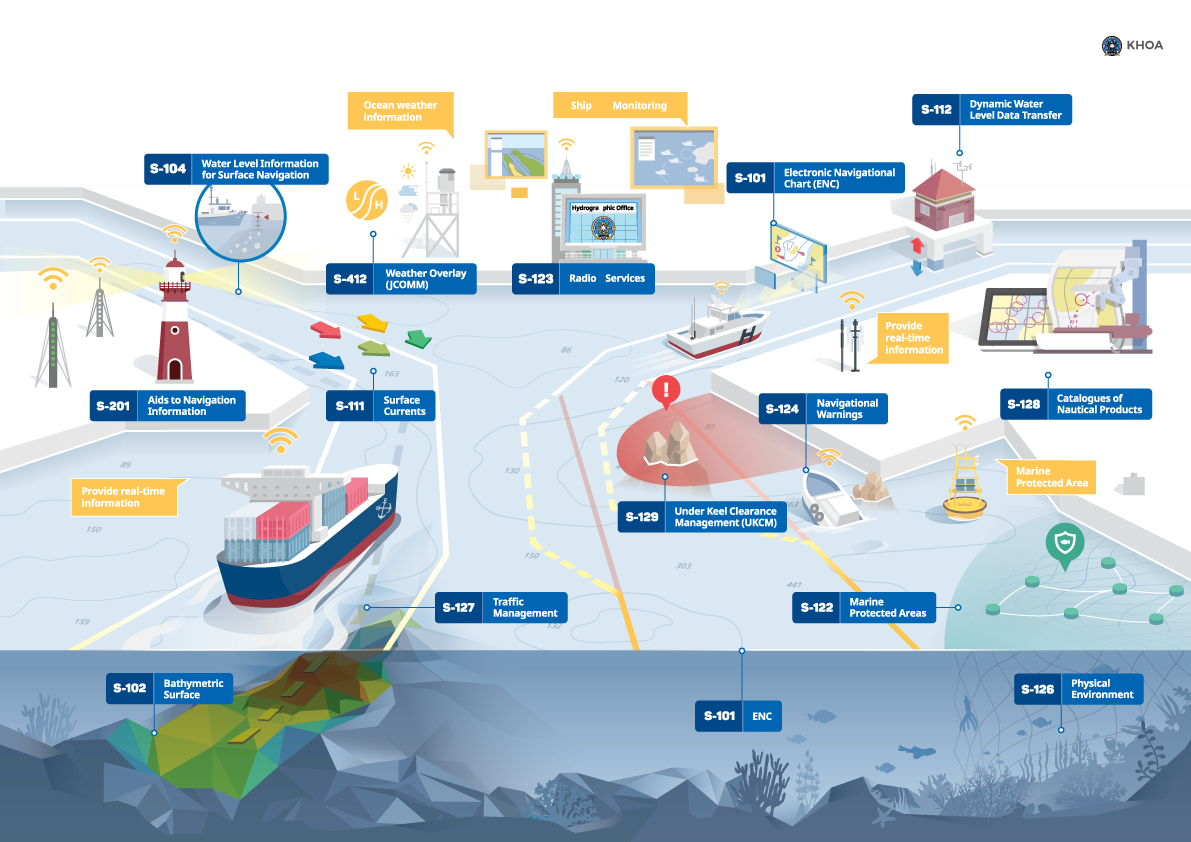


Fig. 1 S-100 World image of IHO

Since IALA is also developing S-200 series product specifications in the Aton, PNT, VTS, and ENAV domains, it was necessary to develop an S-200 World image that explains the current status and concept of the S-200 world.

# Draft of S-200 World image

MOF/KRISO, in cooperation with the IALA Secretariat, created a draft S-200 world image that can represent the status of S-200 series products and concepts. The product standards and production intentions included in the S-200 World image can be summarized as follows.

* S-201: Information exchange between Aton authorities and hydrographic offices
* S-125: Developed to provide Aton list and status to ship users (Include S-125 which is closely related to S-201)
* S-210: Exchange of vessel traffic service information between VTS centres
* S-212: Information standard for providing digital VTS information from shore to ships
* S-211: Port utilization optimization information exchange standard (PortCDM)
* S-240: DGNSS Station Almanac
* S-421: This product belongs to IEC, not IALA. But, Aton and VTS service can be operated using S-421 route information.
* S-230: AIS Application message
* S-129: Under keel clearance



Fig. 2 Proposed S-200 World image

MOF/KRISO hope that ARM members review the proposed S-200 World image and provide opinions and content that should be supplemented or modified. The S-200 World image will be improved according to the ARM18 discussion.

# Action requested of the Committee

The Committee is requested to provide any comments of S-200 world image and take actions as appropriate.

1. Input document number, to be assigned by the Committee Secretary [↑](#footnote-ref-2)
2. Leave open if uncertain [↑](#footnote-ref-3)