

**IALA S-201**

**Product Specification**

**Edition 1.1.0 – October 2022**

IALA AtoN Product Specification

**ANNEX C**

Consider Production system implications

* Option 1 - Obtain new system
* Option 2 - Modify existing system
* Define a dataset schema for geographical areas of responsibility
* Define how updating process should work when there are changes to datasets or support files (e.g. picture of AtoN).

Mapping existing data model to S-201

* Target solution of adding S-201 support
  + Option 1 - Update database for direct support
  + Option 2 - Create a codex between the existing database and S-201 output exchange sets
* Gap analysis of the existing database model to S-201 support database model.
  + Risk assessment (e.g. what implications do changes to AtoN database).
* Implement business rules to address any data classification changes.
  + Plan for implementing any change to data following implementation of new business rules.
* Extend database to support missing data field mandatory for data mapping.

Memorandum of Understanding between AtoN authority and any S-201 recipients (e.g. hydrographic office, neighbouring AtoN authority) to formulate the data exchange process

* Considerations for impact on S-201 dataset recipient’s systems
* Specify the data update process (could be standardized for all S-201, but needs additional information added to S-201. Additional details on updated information could be useful, e.g. AtoN A has moved from position x to position y).
* Consider data validation, authentication and compression.

Training

* Train staff (train the trainer)
* Create operational and training manuals
* Should IALA offer a certification?
* Training for all stakeholders

[Consider adding a flow diagram to show process and the recommended order of steps]