

**IALA S-201**

**Product Specification**

**Edition 1.0.0 – October 2010**

IALA AtoN Product Specification

**ANNEX C**

Consider Production system implications

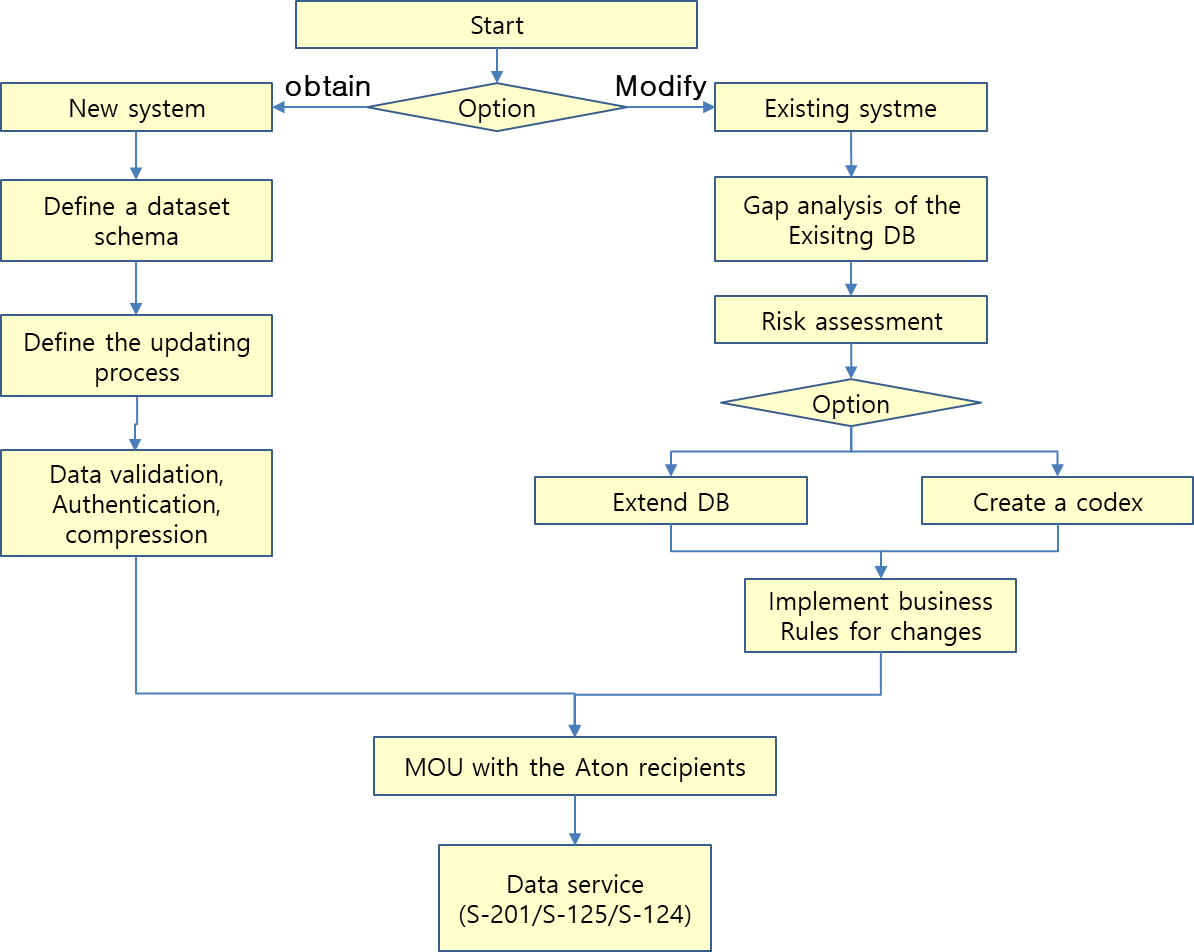
* Option 1 - Obtain new system
* Option 2 - Modify existing system
* Define a dataset schema for geographical areas of responsibility
* Define how updating process should work when there are changes to datasets or support files (e.g. picture of AtoN).

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.



Overview of management and service of AtoN information

1. Management of Aton Information

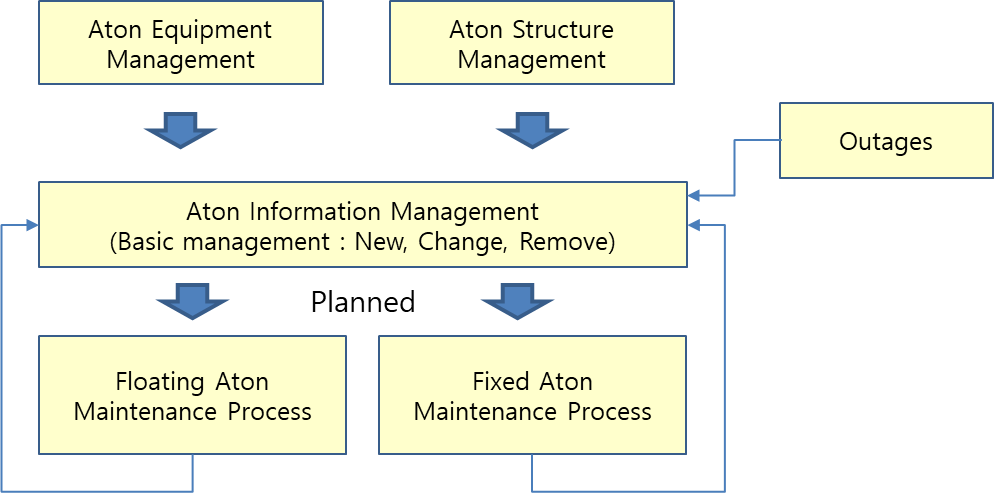
* Basic management (New, Change, Remove)
* Content Change (Move, Correction)
* Status Change (Interrupted, Restore, Missing)
* Change types (Outages, Planned/Preliminary, Permanent, Temporary)

1. Service of Aton information

* Navigation warning service based on the S-124 data model
* Aton changes service based on the S-125 data model
* Digital List of Light service based on the S-125 data model
* Exchanging rich Aton information based on the S-201 data model
* Outages like Interrupted, Missing should create the S-124 NW
* Upon confirmation of the outage, the responsible Aton authority move the NW report of outage from S-124 into S-125
* The authority relieve S-124 of old, but still active information

Management process of Aton Information (Use case of Korea)

* Aton Equipment Management
* Aton Structure Management
* Aton Information Management
* Floating Aton Maintenance Process (Ship scheduling)
* Fixed Aton Maintenance Process (Ship/Car scheduling)



Training

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

Training Subjects (IALA Level, National Level) Capacity Building

* Overview of S-100
* S-100 infrastructure including Registry, FCB and PCB
* S-100 Test bed
* Overview of S-57 ENC and S-101 ENC
* S-201 Aton Data Model
* S-201 Product Specification Packages
* Feature Catalogue, Portrayal Catalogue
* Metadata, Exchange set
* Encoding (GML)
* Mapping table example using S-201 data model
* Creation of S-201 Test dataset with XML editor

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