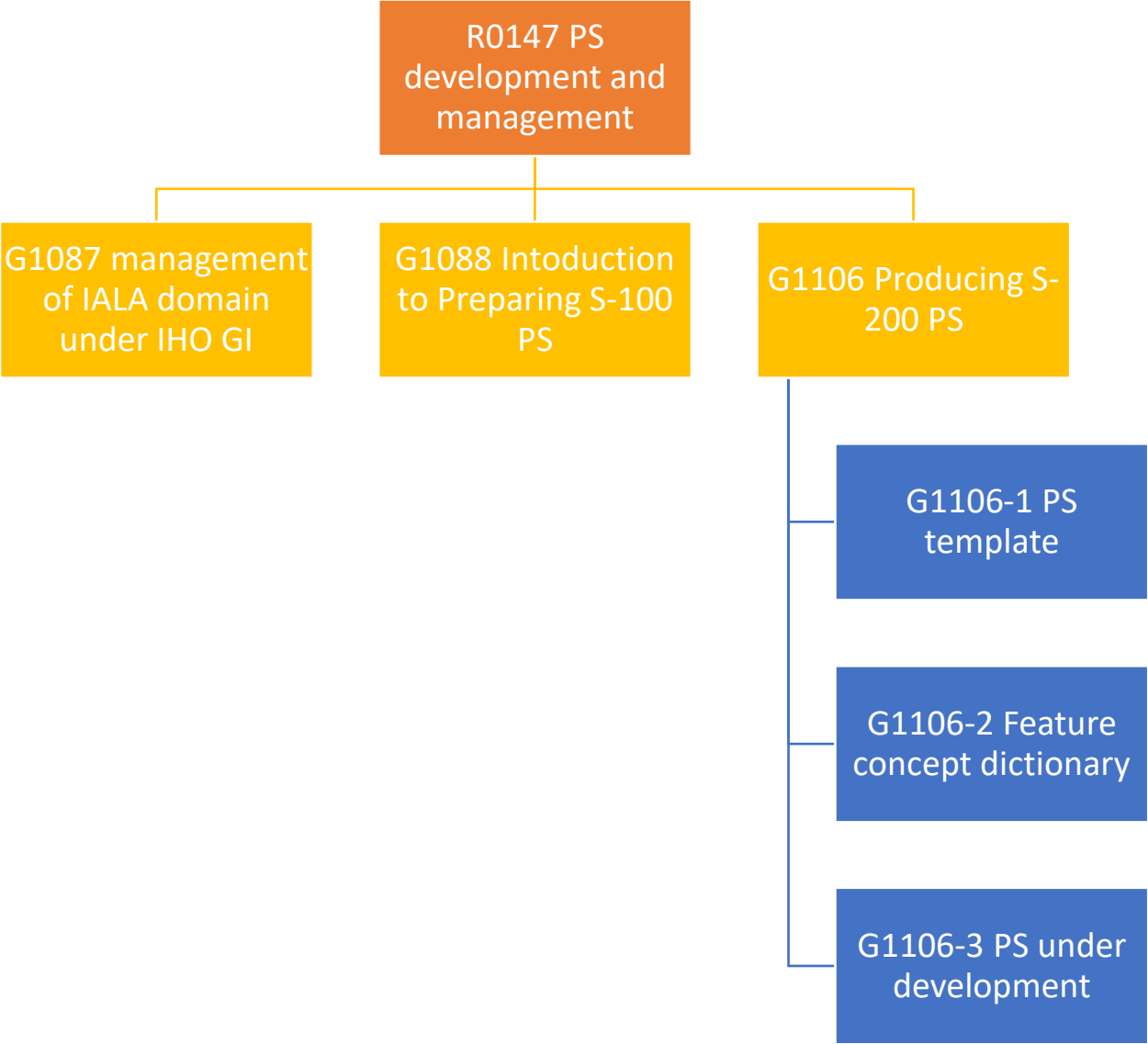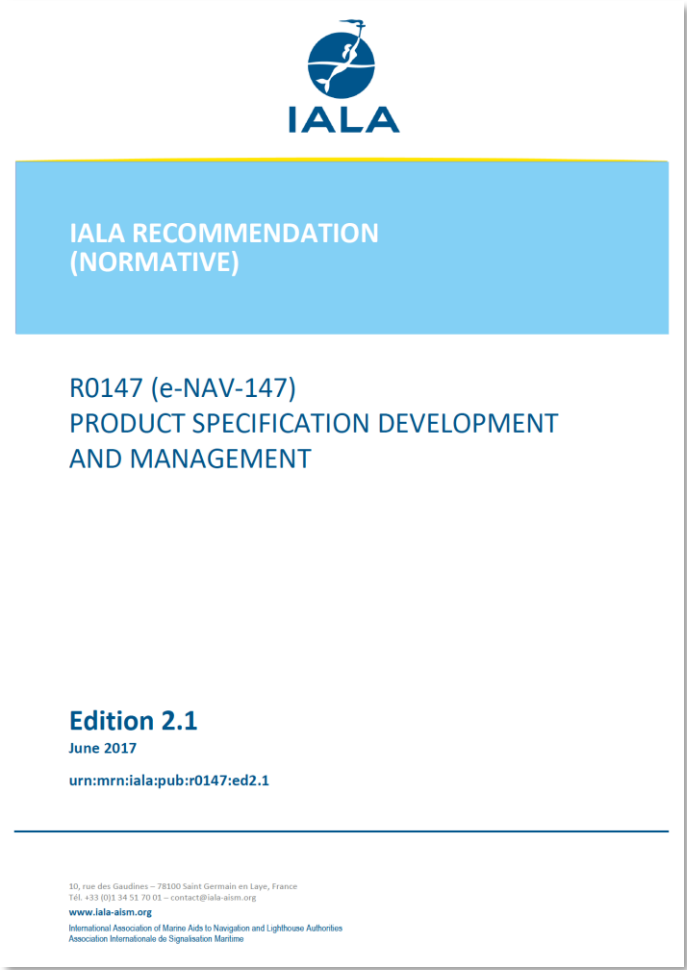# 23rd MACHC

4.2 IALA report

Minsu JEON, Technical manager IALA
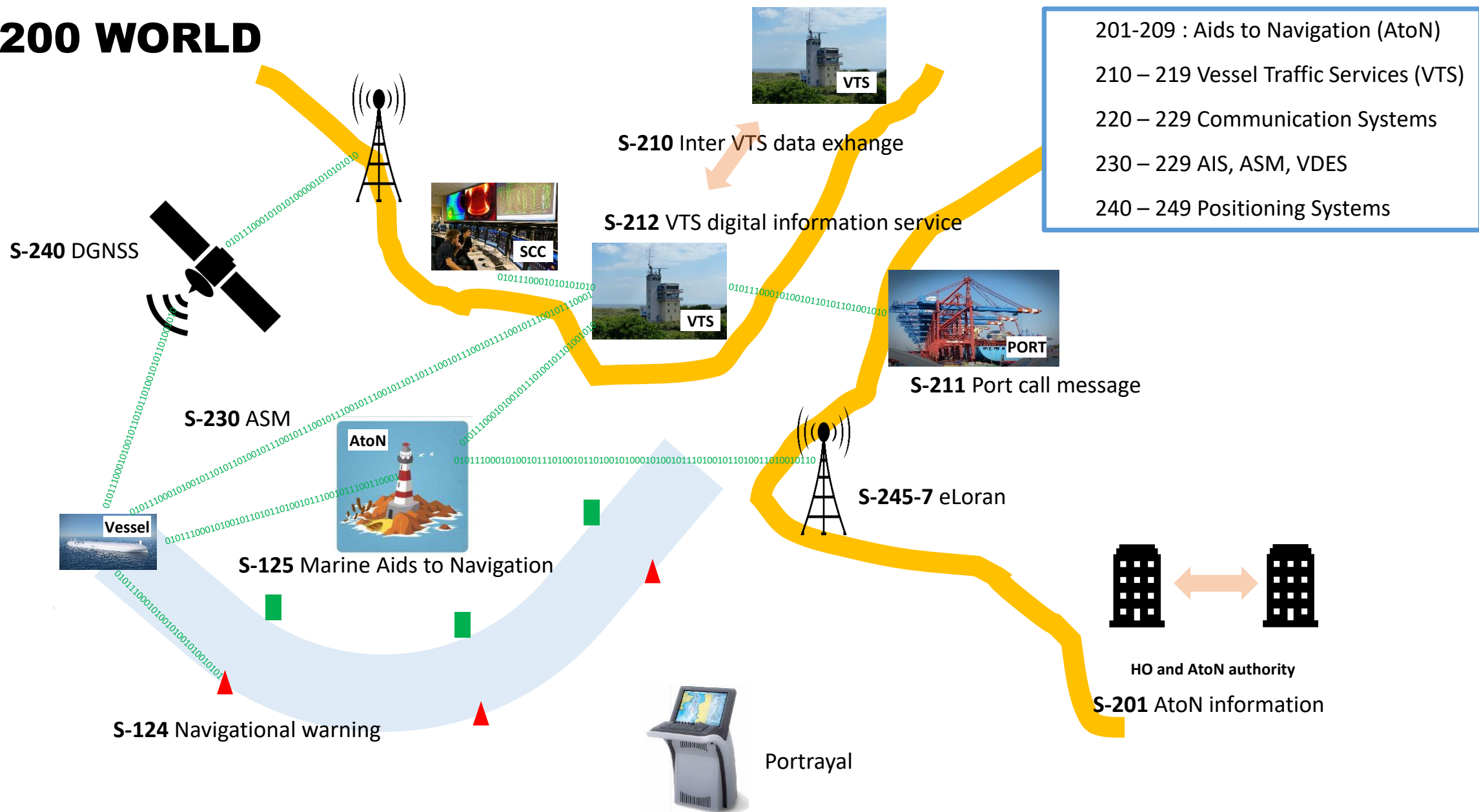
IALA'S ROLE ON S-200 DEVELOPMENT

- IHO has approved IALA as a **Submitting Organization** and **Domain Controller**

- IALA Product Specifications compliant with the IHO S-100 standard, use the numbering series S-201 to S-299

- **IALA Domain covers:**

  o Aids to Navigation (AtoN)

  o Vessel Traffic Services (VTS)

  o Positioning Systems

 o Communication Systems

  o AIS, ASM, VDES

S-200 PUBLICATIONS

IALA RECOMMENDATION (NORMATIVE)

R0147 (e-NAV-147)
PRODUCT SPECIFICATION DEVELOPMENT AND MANAGEMENT

Edition 2.1
June 2017
urn:mrn:iala:pub:r0147:ed2.1

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www.iala-aism.org
International Association of Marine Aids to Navigation and Lighthouse Authorities
Association Internationale de Signalisation Maritime

R0147 PS development and management

- G1087 management of IALA domain under IHO GI
- G1088 Intoduction to Preparing S-100 PS
- G1106 Producing S-200 PS
  - G1106-1 PS template
  - G1106-2 Feature concept dictionary
  - G1106-3 PS under development

S-200 WORLD

S-240 DGNSS

S-210 Inter VTS data exhange

S-212 VTS digital information service

SCC

VTS

VTS

PORT

S-211 Port call message

S-230 ASM

AtoN

Vessel

S-125 Marine Aids to Navigation

S-245-7 eLoran

S-124 Navigational warning

HO and AtoN authority

S-201 AtoN information

Portrayal

201-209 : Aids to Navigation (AtoN)

210 – 219 Vessel Traffic Services (VTS)

220 – 229 Communication Systems

230 – 229 AIS, ASM, VDES

240 – 249 Positioning Systems

S-200 TESTBED

http://tds.bluemap.kr/

- **Input and export S-200 data model**
  - AtoN CA & HO
- **Portrayal** of S-200 datasets
- **Updating the datasets**
- **Quality validation** of S-200 datasets
- **MRN**
- AtoN information Service in terms of e-Navigation
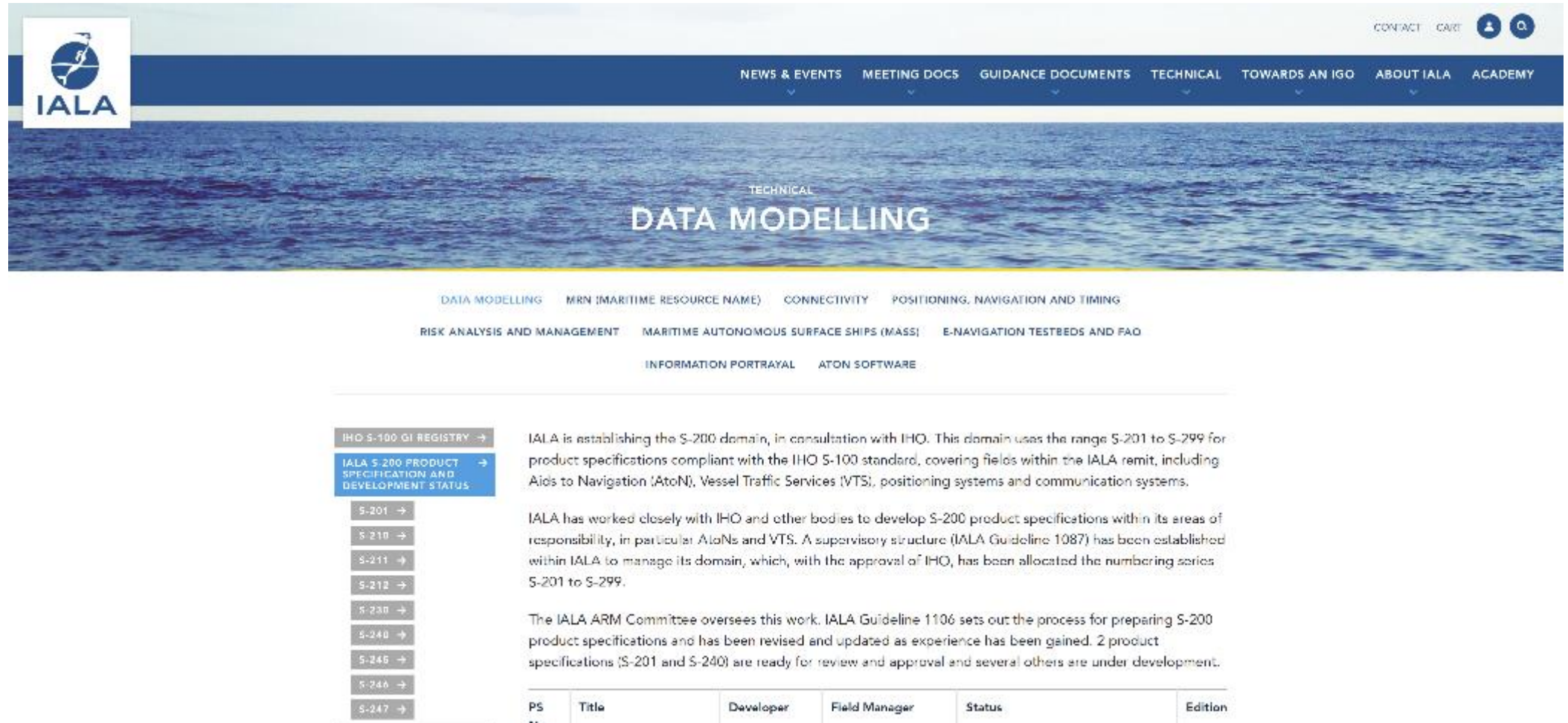- Etc.
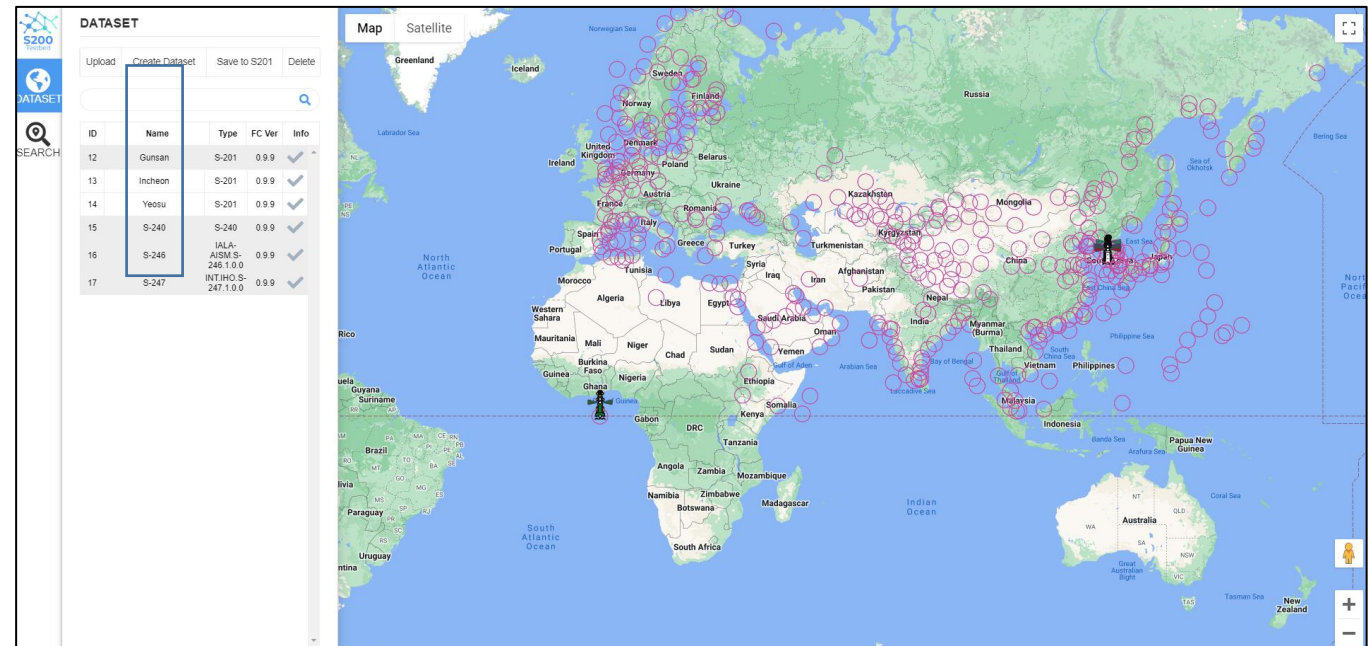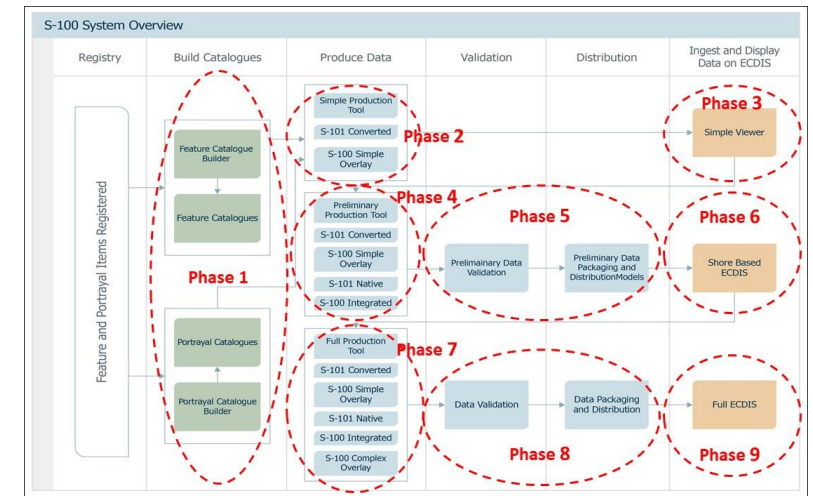
S-200 TESTBED _ S-201
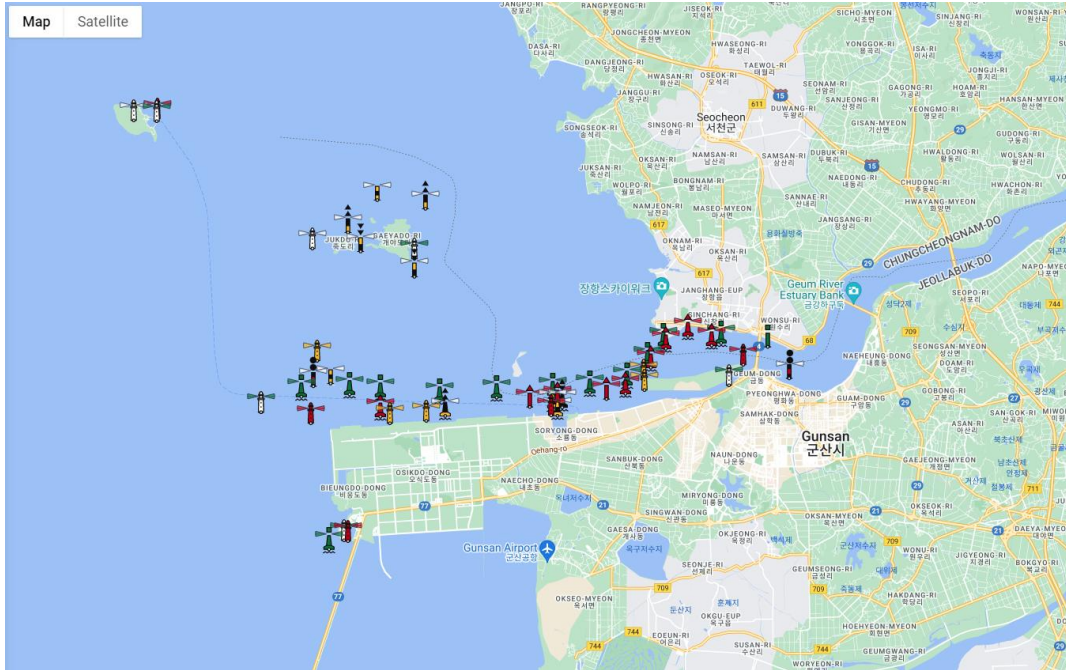
- Create Dataset
- Upload Dataset
- Export to S-201
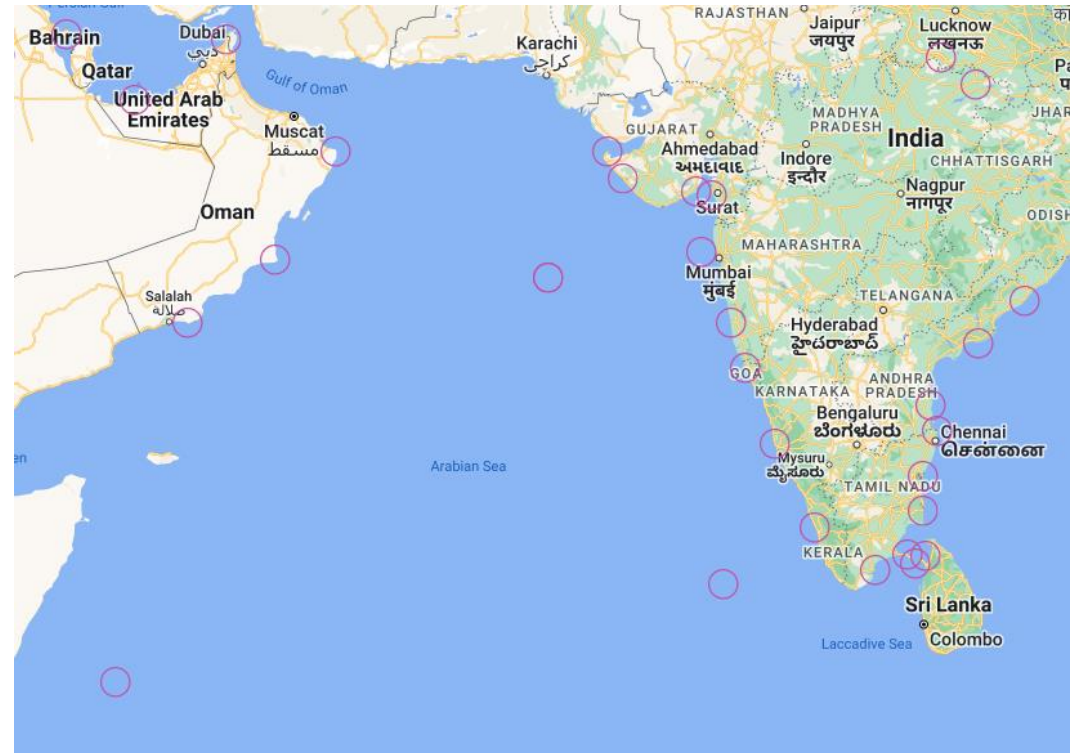
IALA WEBSITE

https://www.iala-aism.org/technical/data-modelling/iala-s-200-development-status/

DEVELOPMENT STATUS OF S-200 SERIES

S-200 development summary table as of Nov 2022

Edition 1.0.0	Preliminary implementation	Edition 2.0.0	Approval	Implementation	Operational data
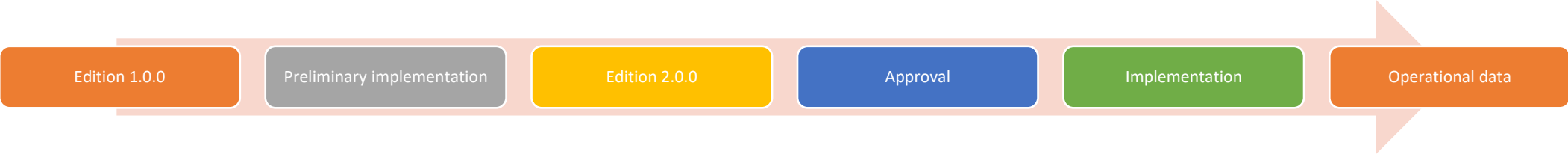
Domain	PS	Title	Developing Committee	Edition
AtoN	S-201	AtoN information	ARM	1.1.0
	S-125	Marine Aids to Navigation ~~Maritime Navigational Service~~	NIPWG (ARM)	
Positioning	S-240	DGNSS almanac	ENG	1.0.0
	S-245	eLoran ASF	ENG	1.0.0
	S-246	eLoran almanac	ENG	1.0.0
	S-247	eLoran reference stations	ENG	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

JOINT IALA IHO WORKSHOP

IALA STRATEGY

- IALA is developing and coordinating PS and data exchange formats that will underpin e-navigation services in the future.

- Focus on the technical service and streaming of the data.

- S-200 Product Specifications reaching maturity and their use needs to be tested and promoted.

- Promote the S-200 Testbed and invite 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.