

What is IHO S-121

their position. Alternatively, a list of geographical coordinates of points, specifying the geodetic datum, may be substituted.

2. The coastal State shall give due publicity to such charts or lists of geographical coordinates and shall deposit a copy of each such chart or list with the Secretary-General of the United Nations.

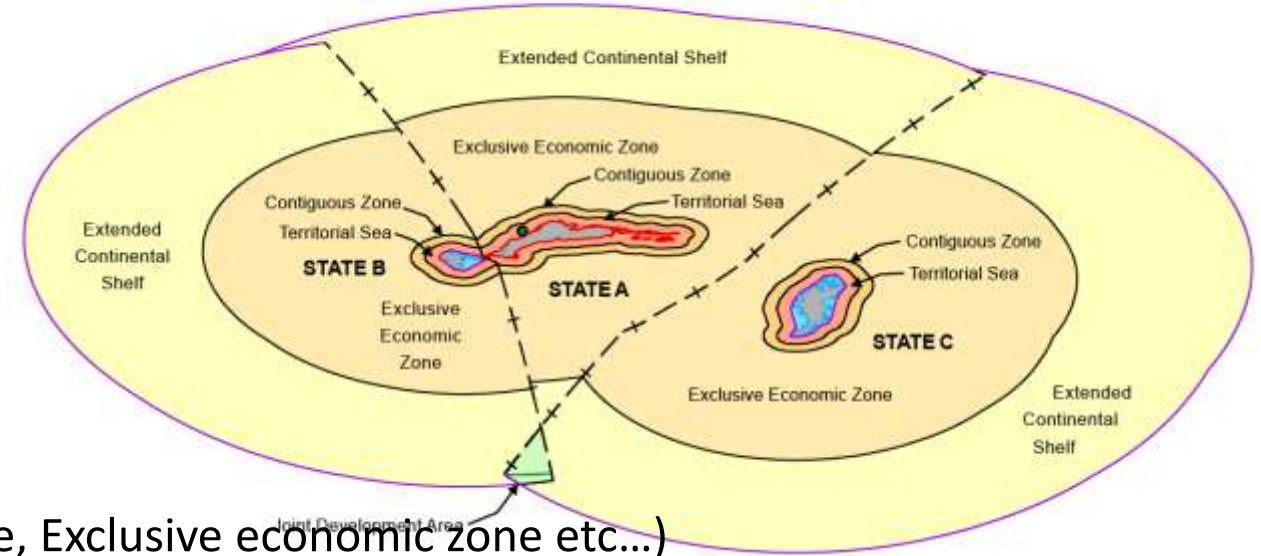
- S-100 product specification for Maritime Limits and Boundaries (MLB)
- Models features representing core of United Nations Convention on the Law of the Sea (UNCLOS 1982)
- Prime Use Case – state discharge of “depository obligations” under UNCLOS
- Also contains features which “hook” into ISO19152 Land Administration Domain Model (for Land Cadastral Management) to enable integrated marine cadastre
- Comprehensive features for representing legal source documentation for UNCLOS features
- MLB is a foundation layer for MSDI and Marine Spatial Planning (MSP)

Progress...

- Model remains consistent since April 2018
- Face to face meeting December 2018 – structure and approach of textual encoding agreed with UN Department Ocean Affairs for the Law of the Sea (DOALOS)
- Restructure of documentation set to bring it closer into line with S-100 edition 4.0.0 layout and content.
- Ingest of model to IHO registry. Feature Catalogue in progress
- Launch of OGC pilot project to test model, implementation, interoperability testing and software support. Funded project which will feed outputs back into S-121 development effort [<https://www.opengeospatial.org/projects/initiatives/mlbp>]

The Model...

- Arranges features into groups
 - Geographic
 - Baselines, Limits and Boundaries
 - Zones (Territorial Sea, Contiguous Zone, Exclusive economic zone etc...)
 - Generic (e.g. Zone, Point, Limit etc) to allow states to implement bespoke features
 - Source
 - Comprehensive information types holding source information
 - Rights Restrictions and Responsibilities information types (ISO19152) to model legal structure surrounding Zones, Limits and Boundaries
- Uses S-100 Level 3a geometry – topology to ensure coincident baselines, limits, boundaries and areas (zones)
- Some crossover with S-101 DCEG – to harmonize features that are already in use.



The S-100WG is requested to:

- Note progress of project and product specification baseline at 1.0.0
- Note ingest of features to registry
- Note launch of OGC pilot project and scope for testing and implementation

S-121 Next Steps

- HSSC10 delegated the approval of S-121 to the S100WG pending the following items:
 - Documentation aligned with S-100 templates
 - Registration of features
 - Feature Catalogue
- S-121 Project Team Chair will seek PT endorsement of the reformatted Draft
- S-100WG will seek WG endorsement of S-121 via Working Group Letter, if endorsed by the PT
 - Deadline no later than May 1st
- If the S100WG has positively endorsed S-121 via Letter, the Working Group Chair will report to HSSC that Edition 1.0.0 can be published
- Sometime in July Edition 1.0.0 should be published for testing and evaluation only
- Post publication
 - S-121 Edition 1.0.0 is ready for new proposals and amendments based on results from the test beds