

Paper for Consideration by NIPWG
Status report on the Norwegian Pilot Guide and Port data development
2017-2019

Submitted by:	Norwegian Hydrographic Authority
Executive Summary:	Status report of the Norwegian Pilotguide and standardization of Port data
Related Documents:	Presentation NIPWG7-05.1

Background

For several years, the Norwegian Pilot had been a pdf at the Norwegian Mapping Authority's website. The pilot consists of Sailing directions, chart data, photo, port information, laws and regulations, distancetable and overview of bunkers, docks and slips.

The work of keeping the pilot updated was complicated and it could go up to 2 years between the update.

The project saw the need to make the pilot digital and we started a collaboration with Norwegian ports so that they could maintain their data and we hoped that they would see the benefits of sharing port data via Geonorge.

The Norwegian Mapping Authority's main goal, was to make the Norwegian pilot more accessible to the users and to keep it constantly updated.

In a cost-effective way, we should make available maritime geographical information that promotes navigational safety and meets the needs of users and managers of Norwegian coastal and marine areas.

Completion

The project started a collaboration with Norwegian ports and worked on developing a national standard of port data. The standard is not quite approved. But we have a test version ready to approval.

The data model differs on port, sail description, anchorage, dock, bunkers, light and landfall.

The database is developed in MySQL. In 2020 we will start to reprogram the database to Postgres. Port data is detailed geographical information about ports / docks and associated objects. The data includes the possibility to connect the geographical objects to underlying systems with additional information about the ports.

We discovered that ports, Coastal administration and other, managed port data in different formats. A working group, with members from ports, municipalities, land charts, sea charts, the Coastal administration, has provided a model for standardizing port data.

A port data api will be made available in Geonorge so that both the Mapping Authority v / the Norwegian pilot, the ports, municipalities, the coastal authority / SafeSeaNet and the Armed Defense have the same data source.

Vectortiles

The vectortiles is made of S-57 data. The depth point is in our primary database that follows the requirement from the s-100.

Action Required of NIPWG

NIPWG is invited to:

- a. Take note this paper.
- b. Discuss the Norwegian port standard and look at the possibility of this being a start to an international standard in the future.

For questions, please contact

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