

## Paper for Consideration by NIPWG

## [Denmark Trial on S-124 for NtM/NIORD]

<b>Submitted by:</b>	Denmark
<b>Executive Summary:</b>	Report of investigation of gaps in S-124 that do not allow specific chart corrections based on the DMA NIORD system.
<b>Related Documents:</b>	NIPWG 6-03 draft. Action Item 5/19– Denmark to investigate gaps in S-124 that do not allow specific chart corrections based on the DMA NIORD system.
<b>Related Projects:</b>	Any related projects that may impact upon considerations

**Introduction / Background**

The Danish Maritime Authority (DMA) is responsible for the dissemination of notices to mariners for the Danish, Faroese and Greenland waters.

DMA have launched NIORD, a database based solution that allows them to present navigational warnings and notices to mariners on their website.

With the launch of NIORD, the DMA sought to issue the NtMs in short and strict form. Only the most necessary information was from then on included in the NtMs.

The NtMs from DMA are the main source of information for the Danish Hydrographic Office on ongoing activities and projects on the territorial sea. The Danish hydrographic office thus translates the information in NtMs into chart corrections. These chart corrections are published in the publication Danish Chart Corrections (for paper charts) and as updates in Danish ENCs.

The Danish Hydrographic Office regularly experiences that the short and stringent NtMs do not have sufficient information to allow translation of them into chart corrections.

The Danish Hydrographic Office is in dialogue with DMA about these challenges. The offices are working together to solve the challenges.

One way to go could be to investigate to what extent NtMs made in accordance with the S-124 product specification supports the making of charts corrections.

If no significant gaps were found, it would make sense to adapt the DMA NIORD system to the S-124 product specification.

**Analysis/Discussion**

The task of investigating the S-124 product specification has been more challenging than expected.

The task requires a lot of coordination with the DMA, which updates NIORD and is familiar with the construction of the system and the underlying case processing.

In August 2018, it became clear to us that we could not obtain an edition of the S-124 product specification, which could be used for the investigation.

We have therefore used resources in the Danish Hydrographic Office to uncover comparable challenges with P and T corrections.

The way in which P and T corrections are described in the Danish NtMs presents the same challenges of deriving a full description that can be used for Chart Corrections. However, the problem is greater in relation to the update of the ENCs, than in relation to paper charts.

We have submitted the results of our investigation to the DM. We expect to hold a meeting with the DMA in the near future. We also expect the DMA to use our information in their forward-looking work to adapt NIORD to future new standards.

**Conclusions**

None yet.

**Recommendations**

None.

**Justification and Impacts**

None yet.

**Action Required of NIPWG**

The NIPWG is invited to note the information given in this paper.