

Proposals for AIO

Background

- **AIO subject is under discussion at HSSC, IRCC, WENDWG, CSPCWG (NCWG) and in several RHCs since more than two years**

Analysis 1/2

- **Some studies have been carried out by ENC producers (Sweden, US, France...)**
- **Main conclusions from these studies are:**
 - **Comparison of T&P information in official updated ENCs with AIO TPNM have shown **discrepancies** for many reasons:**
 - **Delay for producing AIO (weeks measured by Sweden),**
 - **AIO TPNM not coherent with the last available E/R of the official ENC (observed by France),**
 - **AIO TPNM different of the original (some paper TPNM are not fully reproduced in AIO)**
 - **Cases where an AIO indicates an ENC for which it does not apply**

Analysis 2/2

- Duplicate means for distributing T&P updates to the ECDIS environment can create severe **confusion** (difference and or redundancy) for the end user and cause a considerable risk that important information for navigation is not recognized by the user
- AIO blurs the **responsibility** for the provision of hydrographic services : some users can doubt whether an updated official ENC can still be a stand alone product!
- Considering that **ENC has to contain* all the chart information necessary for safe navigation** Marine Information Overlays (which AIO is) are for ancillary information to augment ENC data in ECDIS (such as information about ice, currents, weather...),

*IMO Performance Standards (resolution MSC.232(82))

Some positions expressed 1/2

- **(CSPCWG11-09.4C)**

The US contends that information overlay services related to ENC quality should not be provided for ENCs when the responsible national charting authority provides regular and timely ENC updates.

- **(HSSC7-05.6B)**

SHOM produces T&P NMSs in its ENCs and considers that AIO are not necessary for the safety of navigation in waters for which it is primary charting authority. SHOM strongly recommends that AIO service be stopped for these waters.

Some positions expressed 2/2

- **(HSSC7-05.6B)**

Finland has sent a formal letter to UKHO to clarify the situation and discontinue Admiralty Information Overlay in Finnish national ENC's because T&P messages are included in Finnish ENC's

- **(HSSC7-05.6C)**

Sweden recommends that the UKHO in these cases (*i.e. producing nations that update their ENC*) withdraw their AIO service for the areas concerned.

- **(WENDWG6-04.6K3)**

Finland, France, Hong Kong Hydrographic Office, Norway, Singapore, Sweden, propose that the UKHO withdraws their AIO service for the areas where the primary charting authority produces TPNtMs for their ENC

Proposal

It is proposed primarily

- 1/ That the **UKHO withdraws their AIO** service for the areas where the primary charting authority produces TPNtMs for their ENC

And secondly

- 2/ That the **AIO service be provided only if and after a given producer nation has provided consent** for such a service on waters where it is the primary charting authority.
- 3/ That an **improved solution for awareness and use of T&P updates in future S-101 based ECDIS** be included in ENCWG work plans (HSSC should make sure of that). In the interim period possibilities of S-124 should be considered.

Justification

1/ will allow to clarify responsibilities and to avoid confusion when all necessary updates are already available for the regular ENC service.

2/ will allow concerned producers to be aware of additional services available on their national waters.

3/ will ensure a future better portrayal of T&P taking in to account the feedback from S-57, ECDIS users.

Action required from WENDWG

The WENDWG is invited to:

- a. note the paper*
- b. prepare a recommendation for IRCC*
- c. ask UKHO to take into consideration the recommendations above*