



Hydrographic Services and Standards Committee

Dynamic Water Level Data Transfer Product Specification 1st Draft

Introduction

- ✦ HSSC5/5.1 tasked

TSMAD to assist the TWLWG in the development of a tidal product specification for navigational surface and tidal data transfer that could be used for generating dynamic water levels and navigational surfaces in ECDIS.

- ✦ Project leader - TWLWG Vice Chair
- ✦ UKHO volunteered to assist TWLWG in cooperation with Singapore MPA



Data Transfer Encoding

- ✦ Fundamental requirement to use AIS messaging to transfer pre-processed tidal height information
- ✦ Singapore provided a sample message
- ✦ After in depth investigation it was decided to use the IMO approved Meteorological and Hydrographic Data AIS Application-Specific Message



Data Transfer Encoding

- ✦ This message provides the means to transfer a multitude of different information which could provide the scope for either extending this specification or developing new ones.
- ✦ One of the main advantages of using this methodology is that it can be adopted by any ECDIS employing AIS integration either in the current S-57 environment or future S-100 implementations.
- ✦ One possible disadvantage is that AIS messages are not secured and IALA currently have no plans to resolve this.



Next steps

- ✦ The draft will be submitted to the next TSMAD/DIPWG >> S-100/ENCWG meeting in February.
- ✦ Followed by submission to TWLWG >> TWCWG meeting in April.
- ✦ If the specification is accepted by both WGs it should then be distributed for a Stakeholder review



Action requested of HSSC

To note the progress of this product specification.

