

# Outcomes

TWCWG-2

Victoria, Canada

# S-111



## Done

File structure is stable, almost final.

There is a data compression issue to be resolved or get a S-100 guidance.

Details about creating the exchange sets (guidance from S-100).

S-111 validator tool available from Canada.

Data test sets for USA and Canada are already on IHO web sites.

[https://www.iho.int/mtg\\_docs/com\\_wg/HSSC/HSSC8/HSSC8-TWCWG\\_final.pdf](https://www.iho.int/mtg_docs/com_wg/HSSC/HSSC8/HSSC8-TWCWG_final.pdf)

## 2017

Canada final pass on S-111.

Ready for new step: additional data sets.

[https://www.iho.int/mtg\\_docs/com\\_wg/IHOTC/S-100\\_PS/S-111-Compatible\\_Data\\_Sets/S-111-Compatible\\_Data\\_Sets.htm](https://www.iho.int/mtg_docs/com_wg/IHOTC/S-100_PS/S-111-Compatible_Data_Sets/S-111-Compatible_Data_Sets.htm)

# S-104

## Done

Able to review almost all the document. Reviewed sections : 6, 7, 8, 9,10

\* Coherence with S-111

We have chosen symbology for single point that is already in registry

We defined water level trend (cf; AIS frame (4 flag, rising, falling, steady, not available))

And a criteria for water level trend.



## 2017 objectives

We'd be able to generate S-104 data sets before the end of this year.

S-104 liability issue:

Question: Who produces the ENC?

How information can come from other sources different from IHO?

# S-112

Suggestion : S-112 should be replaced by an overall S-100 transfer standard.



# CARIS encoder and S-111 tool

## To produce HDF5 data files

- CAN agreed to generate more S-104 compatible datasets using an S-104 updated Caris encoder; agreed to generate compatible datasets from existing data using their CARIS software.
- DEU, FRA, JPN, NLD intended to install the S-111 tool available from CAN and produce HDF5.2 data (water level HDF5 as well as current datasets but in a second time).
- KOR noted that it would continue testing of datasets against S-104 and S-111 PSs as they are developed. Other TWCWG members were encouraged to contribute and build up their national and organizational knowledge base.
- AUS agreed to finalize the next draft version of S-104 and circulate for comment; no expertise available to start encoding in HDF5 format. NOR to commence liaison with Norwegian Meteorological Institute and to commence work on encoding water level data into HDF5 format. FIN will contact the Finnish Meteorological Centre to check their output files format.

# S-100

## Questions for S-100WG

### Need:

1/ File naming conventions, guidance or decide.

With no guidance, suggestion for a starting point :

CenterCode(ID)\_Sxxx\_time\_and\_date\_latitude\_longitude

2/ Encryption + certification, Checksum of the data (integrity).

3/ File compression (manufacturers job or ECDIS encodeurs)

4/ Is a common data transfer is going to be the same for all S-1xx data?

Ask to S-100WG, to send to other WG “that are linked “ to S-111, S-104, our 3 S-1xx documents, to be sure that they will know our PS description and know our questions on data transfer.

5/ To provide UML support.



[\(report 2017\)](#)

# Resolutions Review



**Regarding to M3:** The resolutions of relevance to TWLWG

**Action / All**

[https://www.iho.int/mtg\\_docs/com\\_wg/IHOTC/TWCWG1/TWCWG1-7.1.1-IHO\\_Resolutions.pdf](https://www.iho.int/mtg_docs/com_wg/IHOTC/TWCWG1/TWCWG1-7.1.1-IHO_Resolutions.pdf)

Read, and if MS wants to change something, please provide feedback to the group Chair, Vice Chair, before end of July 2017.

**Action Nautical Charting specification / All**

People to review agenda paper 7.2. Send comments to Chair, Vice Chair and provide answers end of September

# Outcomes



## **Exchange of Harmonic constants/predictions**

Write a report with NOAA on tidal constituents / USA ,NOAA

Add constituents in tidal data set analysis / USA, NOAA, All

Add official prediction / USA, NOAA, All

## **Actual Tides Online Link status /All**

Add http link to access to the useful data for our WG

## **Determining ellipsoidal height of MSL, reference level / Netherland, France**

Prepare a draft version to explain the method (TWCWG3)

# Capacity building



## Need

Entry level course, exam, certificate, keep the modularity of the course, recommended student profile, list of equipment, maximum number of students to attend course (ex:15).

There is an action end of May translation to Spanish / US, NGA  
+ Translation in Portuguese (Ruth F. identified someone for translation) and in french (Fr, Ca).

2017:

No course planned in 2017.

Every one to provide inputs by the end of May to Ruth.



# Outcomes



## **IHO process:**

David explains the new organization.

## **GLOSS:**

David stressed the need to have a IHO representative at the IOC/GLOSS meeting:  
Peter Stone (USA, NOAA) and Cesar Henrique De Oliveira Borba (Brazil, CHM) for 2017 meeting.