



Organisation hydrographique internationale - *International Hydrographic Organization*

Commission hydrographique de l'Atlantique oriental

14^{ème} Conférence - Cadix (Espagne)

18-20 octobre 2016

Eastern Atlantic Hydrographic Commission

14th Conference - Cadiz (Spain)

18-20 October 2016

Rapport de l'HSSC – *HSSC Report*

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Sujets concernant l'OHI / le BHI

IHO / IHB Matters

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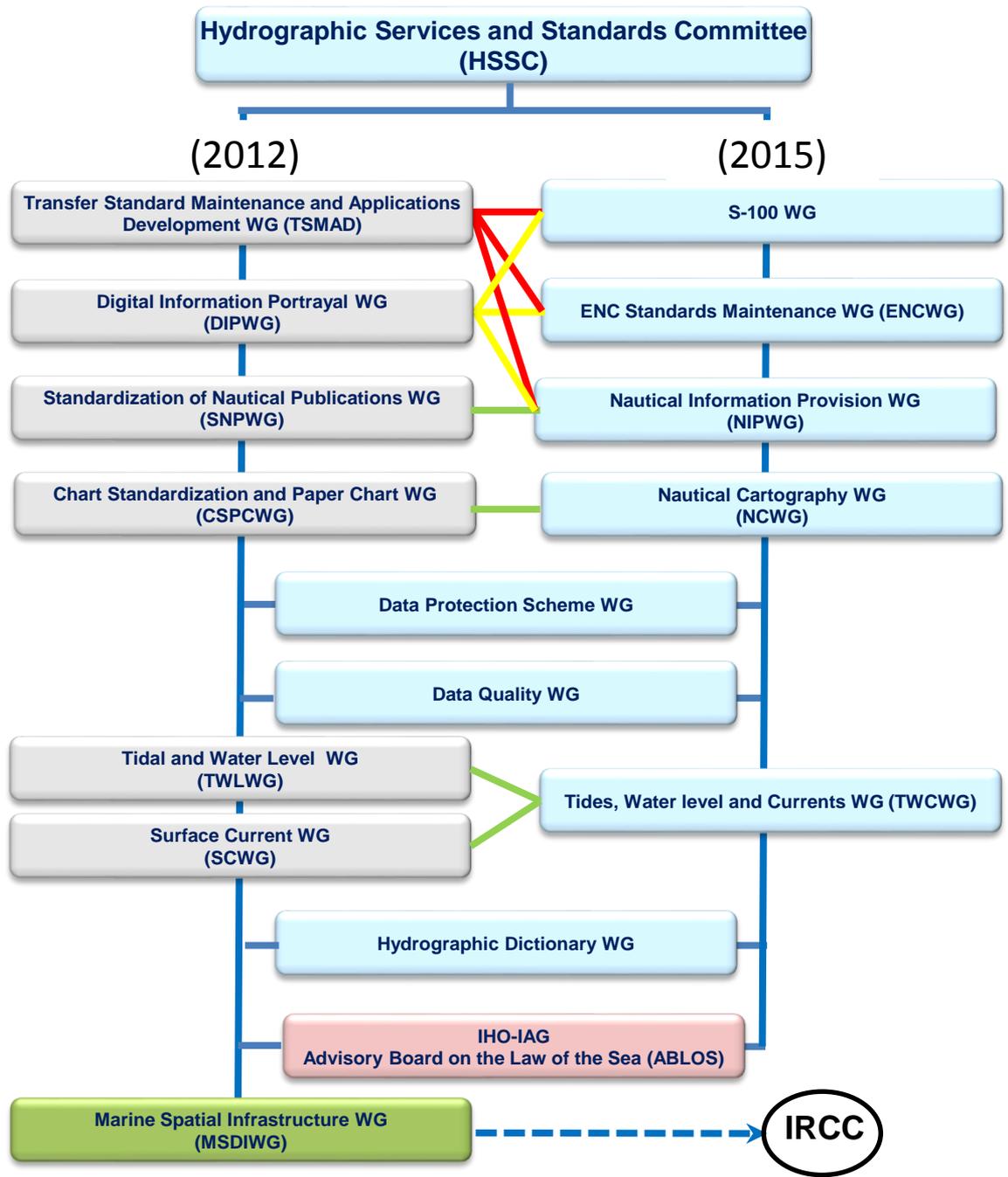
- Contexte - *Background*
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Contexte - *Background*

- Hydrographic Services and Standards Committee (HSSC)
 - technical steering committee of the IHO
 - ↳ responsible for Programme 2 of the IHO Work Programme
 - Objective: promote and coordinate the development of standards, specifications and guidelines for official products and services to meet the requirements of mariners and other users of hydrographic information.
 - Work items:
 - develop the S-100 series of new standards
 - keeping the current IHO standards fit for purpose
 - New structure adopted in 2014
 - HSSC section of the IHO web site at [Home > Committees & WG > HSSC](#)
 - Two meetings since EAHC-13
 - HSSC-6, Viña del Mar, Chile, 11-14 November 2014
 - HSSC-7 + Open Session, Busan, Republic of Korea, 9-13 November 2015





Hydrographic Services and Standards Committee (HSSC)

(2012)

(2015)

Transfer Standard Maintenance and Applications Development WG (TSMAD)

Digital Information Portrayal WG (DIPWG)

Standardization of Nautical Publications WG (SNPWG)

Chart Standardization and Paper Chart WG (CSPCWG)

Tidal and Water Level WG (TWLWG)

Surface Current WG (SCWG)

Marine Spatial Infrastructure WG (MSDIWG)

S-100 WG

ENC Standards Maintenance WG (ENCWG)

Nautical Information Provision WG (NIPWG)

Nautical Cartography WG (NCWG)

Data Protection Scheme WG

Data Quality WG

Tides, Water level and Currents WG (TWCWG)

Hydrographic Dictionary WG

IHO-IAG Advisory Board on the Law of the Sea (ABLOS)

IRCC

Résultats HSSC-6 & 7 - *Outcome of HSSC-6 & 7*

■ ECDIS matters

- Production of a coherent set of revised editions of the key ECDIS related standards to address the anomalies in the operation of some ECDIS in close coordination with IEC (IEC 61174)
 - Ed. 6.1.0 S-52 - *Specifications for Chart Content and Display Aspects of ECDIS*
 - Ed. 4.0.0 S-52 - *Annex A - IHO ECDIS Presentation Library*
 - Ed. 1.2.0 S-63 - *IHO Data Protection Scheme*
 - Ed. 3.0.0 S-64 - *IHO Test Data Sets for ECDIS*
- Implementation timeline extended by IMO to August 2017
- Requirement to revisit the ECDIS check dataset for ships and revise
 - S-58 - *ENC Validation Checks*
 - S-66 - *Facts about electronic charts and carriage requirements*

(in progress)



Résultats HSSC-6 & 7 - *Outcome of HSSC-6 & 7*

■ S-100 and related activities

- Tasks guided by the S-100 Master Plan (edition 1.1)
- Completion and publication Ed. 2.0.0 S-100
- Preparation of Ed. 3.0.0 (=> 2017?)
- Development of S-100 interoperability specification for ECDIS
- Development, test and implementation of S-100 based product specifications
- Upgrade of the S-100 Registry
- Further investigation of portrayal issues (NIPWG/NCWG)
- Development of Maritime Service Portfolios (MSP) related to hydrographic services in the e-navigation environment



Résultats HSSC-6 & 7 - *Outcome of HSSC-6 & 7*

- Nautical cartography
 - Publication of Ed. 4.6.0 S-4 - *Chart Specifications of the IHO*
 - Development of guidance on the preparation and maintenance of ENC schemes (as a new section of S-11 Part A)
 - New high priority work item on the future of the paper charts
- Consideration of the need to establish a Hydrographic Surveys Working Group
- Preparation of IHO Assembly A-1 through the Chair group
 - Input to the review of the IHO Strategic Plan
 - Input to the preparation of the IHO 2018-2020 Work Programme



Résultats HSSC-6 & 7 - *Outcome of HSSC-6 & 7*

■ Relations with Stakeholders

- Strategic issue (several WG rely on expertise from industry)
- Establishment of relations with the International Cable Protection Committee (ICPC)
- Open session at HSSC-7
 - new survey techniques
 - crowd-sourced bathymetry
 - development and implementation of the S-100 framework



Préoccupations - *Pending issues*

- Lack of expertise (quantity and quality) causing delays and undetected errors in new standards or new editions
- Most standards are available in English only
 - Amendment to IHO Resolution 12/1962 - Documentation:
The language(s) of other IHO reference documents, guidelines and standards shall be at least one of the official languages decided on a case by case basis in the IHO Work Programme, taking into account the intended use of the document, the resources of the Bureau and the assistance offered by Member States.
- Impact of the establishment of the Council in 2017: HSSC will need to meet in the first semester in order to meet the timeline for submitting proposals through the Council



Actions attendues de la CHAtO

Actions requested of EAtHC

- EAtHC Members are invited to:
 - Note this report
 - Consider supporting HSSC activities in which they are not yet involved
 - Provide their comments regarding possible requirements and contributions for translation of IHO technical standards into French and/or Spanish
 - Take any other actions as considered appropriate

