

15th North Indian Ocean Hydrographic Commission Conference

**HYDROGRAPHIC SERVICES AND
STANDARDS COMMITTEE (HSSC)
Report**

HSSC Objectives

- To provide oversight and guidance of the IHO technical programme on behalf of all Member States.
- To promote and coordinate the development of standards, specifications and guidelines for official products and services.
- To prepare and monitor the Committee Work Programme and report to the IHC.

HSSC Officers since 18th IHC

Chairman: Dr Mathias Jonas (Germany) (2012 -)

Vice Chairman: Mr Mike Prince (Australia) (2012 -)

Secretary (IHB): Director Gilles Bessero (2012 -)
Asst. Director Michel Huet (- 2014)
Asst. Director Yves Guilliam (2014 -)

Work Programme and Important Themes

- *Maintenance of existing standards* - Response to ambiguities or deficiencies in existing standards, in order to improve ECDIS performance.
- *Development* - Development and implementation of:
 - the S-100 Universal Hydrographic Data Model, and
 - Supporting product specifications.
- *Coordination* - Restructuring of HSSC Working Groups.

Maintenance of existing standards: Improvement of ECDIS Performance

- Provision of improved ENC test data set for ECDIS.
- Restructure and revision of S-58 to improve standardisation of ENC quality checks.
- Updates for some parts of S-57 for IMO virtual Aids to Navigation and for validation checks.
- New edition of S-52 display standard.
- New edition of S-64 to reflect new ECDIS test data sets.
- Other maintenance: new edition of TALOS Manual (C-51).

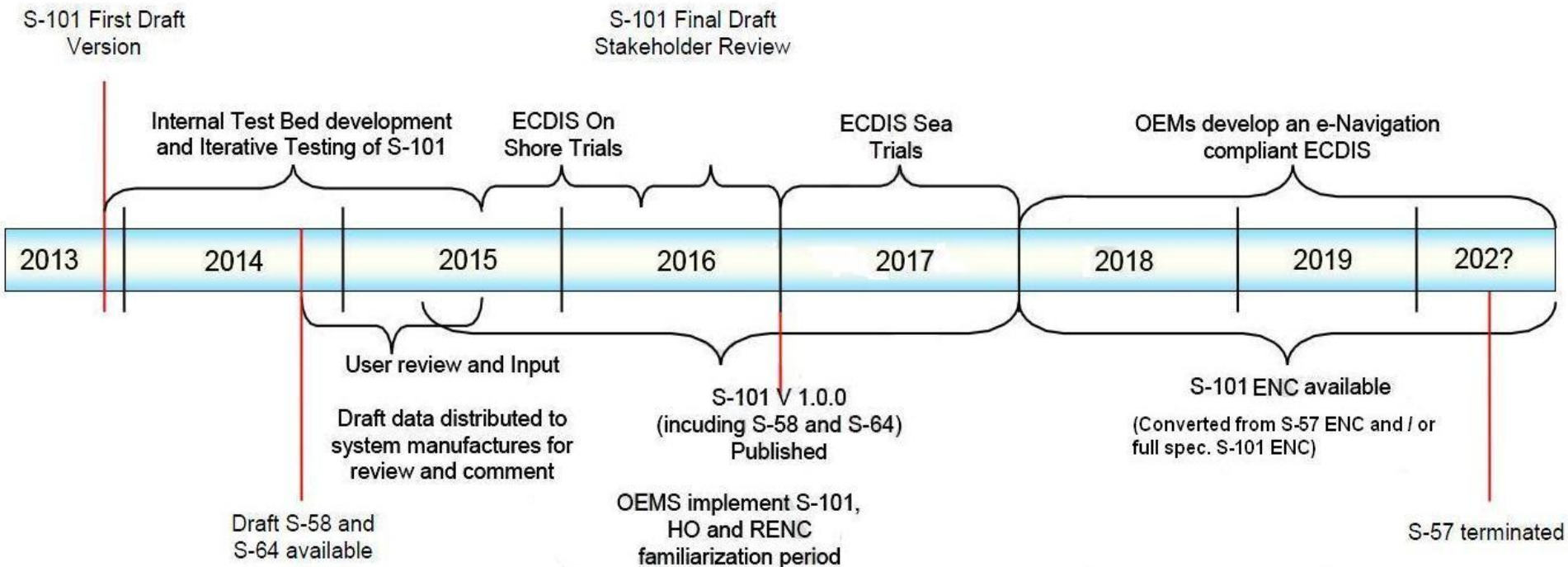
Development:

S-100 Universal Hydrographic Data Model and derivatives

- Development of S-100 master plan
- S-100 edition 2
(for Member State approval March 2015)
- Definition of future S-100 based hydrographic data products beyond ENC, including:
 - 15 IHO
 - 4 IALA
 - 1 IEHG (inland ENC)
- *For more information:*
www.iho.int > ENC's & ECDIS > Future Development / S-100 & the IHO Registry

Development: S-100 Universal Hydrographic Data Model and derivatives

- Set up of an S-101 roadmap to facilitate test and production of next generation ENC.



Development:

S-100 Universal Hydrographic Data Model and derivatives

- Integration of dynamic tide and water level information into future ENC;
- Robust and long term arrangements for the maintenance of the S-100 Geo-information Registry.
 - Retirement of Mr Barrie Greenslade (Chair TSMAD) Feb 2015
 - Interim arrangements in place from Feb 2015

For more information:

www.iho.int > ENCs & ECDIS > Future Development / S-100 & the IHO Registry

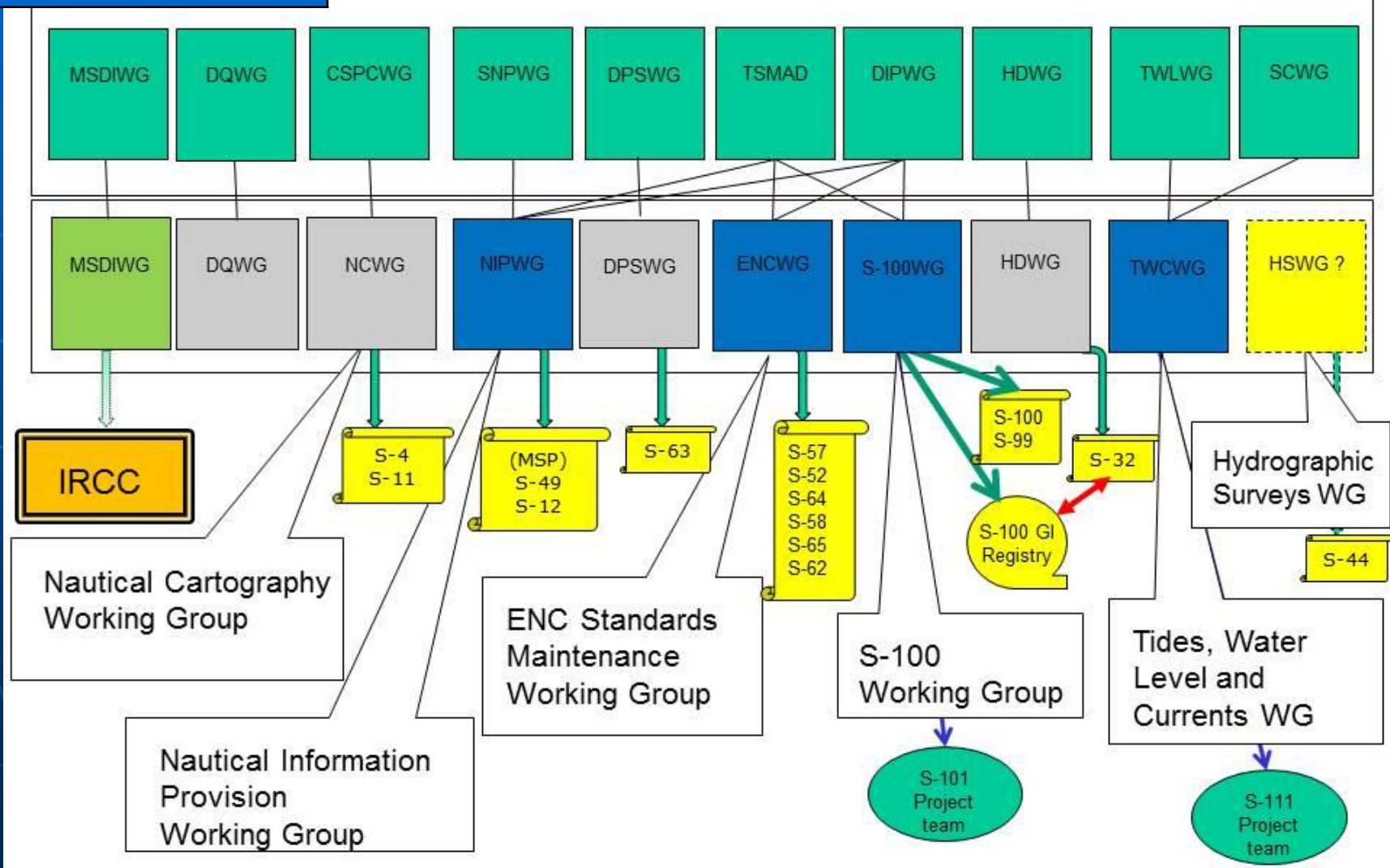
Coordination:

Restructuring of HSSC-Working Groups

- Intent:
 - Acknowledges the changing focus from paper-based to digital products and services,
 - strives for best use of limited resources
(*only 19% * of overall work program achieved*),
 - potential reduced number of “standing” working groups, and
 - project teams of limited life cycle.
- (** IHO Key performance Indicator report at HSSC6, Nov 2014*)

	Existing WG
	New Standing WG
	Annual Review
	Transferred to IRCC
	Possible new WG

New Structure of HSSC Working Groups



Coordination:

Restructuring of HSSC-Working Groups

- Intent vs *(progress)*:
 - Acknowledges the changing focus from paper-based to digital products and services,
(achieved)
 - strives for best use of limited resources,
(not yet achieved – same work items spread over new and fewer working groups)
 - potential reduced number of “standing” working groups,
(achieved – one less, with four now under annual review), and
 - project teams of limited life cycle
(not yet established).

Other themes of consideration

- Define intuitive indicators for ENC data quality.
- facilitating the hydrographic component of IMO's e-navigation strategy.
- maintenance of the Hydrographic Dictionary.
- Need to identify what is really important.

HSSC concluding remarks

- IHO Work Programme 2013-17 provides direction and priorities.
- Good progress has been made since 2012 on high priority items, however;
- workload is challenging for a relatively small pool of technical experts;
- The work program must be reduced to only those items of critical importance for delivery and timing;
- co-ordination across WGs, and with industry, is essential for success.