

CONSOLIDATED HSSC WORK PLAN 2018-19

Version 23 January 2018

Notes:

a/ This consolidated work plan (WP) has been compiled from the reports submitted to HSSC-9 and following exchanges with HSSC WGs Chairs in January 2018.

b/ Quick links:

§3. S-100WG Work Plan	§4. NIPWG Work Plan	§5. ENCWG Work Plan
§6. <i>Left blank intentionally</i>	§7. TWCWG Work Plan	§8. NCWG Work Plan
§9. DQWG Work Plan	§10. HDWG Work Plan	§11. ABLOS Work Plan
§12. COORD Work Plan	Annex A. HS PT Work Plan	

Objective:

This work plan aims at ensuring efficient project resource management and alignment, progress monitoring and to provide a communication utility with internal and external parties.

Rationale:

The justification for the HSSC Work Plan is in conformance with the IHO Strategic Plan, and mainly related to the following elements of the IHO Work Programme – 2018 - 2020 (Doc. A.1/WP1/02 in [P-6 A-1, volume 2](#), page 17):

Element 2.1	Programme Coordination
Element 2.2	Foundational Nautical Cartography Framework
Element 2.3	S-100 Framework
Element 2.4	S-57 Framework
Element 2.5	Support the implementation of e-navigation and Marine Spatial Data Infrastructures (MSDI)
Element 2.6	Hydrographic Surveying
Element 2.7	Hydrographic aspects of UNCLOS
Element 2.8	Other technical standards, specifications, guidelines and tools

Activities continuing beyond 2020 are subject to the IHO Work Programme for 2021-2023 that will be considered by the second session of the IHO Assembly in April 2020.

Procedure:

The HSSC work plan covers a rolling two year period and is revised annually. Each subordinate body proposes in its report to the annual meeting of HSSC a revised work plan for the next biennium. Completed work items should be removed from work plans after they have been reported at a subsequent HSSC meeting. The Chairs of the subordinate bodies, along with the HSSC Chair, will meet prior to each HSSC meeting to review progress, and to harmonize the proposed work plans. The proposed work plans for the next biennium will be considered by the plenary with the report of each subordinate body. The draft consolidated HSSC work plan for the next biennium will be reviewed on the last day of the HSSC meeting, incorporating the agreed changes discussed during that meeting. A revised consolidated HSSC work plan incorporating all approved additional work items will be circulated to participants of the meeting for final comment at the same time as the draft minutes of the meeting. HSSC Chair could seek committee members' interim approval for emerging issues between meetings.

Communications:

The HSSC Work Plan will be posted on the IHO website, and a progress summary will be provided at IHO Assemblies.

Monitoring:

In accordance with Decision No. 1 of the 1st Session of the IHO Assembly, the Council evaluates by correspondence the accomplishment of the preceding year's work programme and report to MS through the IHO Annual Report.

Project Numbering:

Each task will be given a sequential number independent of related subordinate body. The related IHO Work Programme Element number and the specific HSSC meeting that approved the inclusion of the task will be identified in the HSSC Work Plan summary. Each sub task will be numbered using an alphanumeric sequence, "An, Bn, Cn.."

Priorities:

Three Levels of Priorities (H, M, and L) will be assigned by HSSC using the “Guidelines for the Evaluation of Proposed New Work Items for HSSC and its Subordinate Bodies” (see section 1 hereafter).

1. GUIDELINES FOR THE EVALUATION OF PROPOSED NEW WORK ITEMS FOR HSSC AND ITS SUBSIDIARY BODIES

Introduction

- 1.1 In order to best use the limited resources available to HSSC and its subordinate bodies, it is necessary to evaluate and prioritise proposed new work items. These guidelines are based on the principles originally agreed at CHRIS/13 and CHRIS/15 and revised and enhanced at CHRIS/18. They are intended to provide a uniform basis for evaluation and prioritisation.
- 1.2 Evaluation should be done as a two-stage process:
- a. general consideration leading to acceptance or rejection; and if accepted,
 - b. establishment of priorities.

General acceptance

- 1.3 Before deciding to include a new item in the work plan of HSSC and its subordinate bodies, the following factors should be taken into account:
- a. is the subject addressed by a proposal considered to be within:
 - (1) the scope of IHO objectives?
 - (2) the current IHO work programme?
 - b. has a need for the measure proposed been identified (for example, client demand, internal improvements)?
 - c. do adequate industry standards or solutions exist or are they being developed thereby reducing the need for action through HSSC and its subordinate bodies?
 - d. is the objective achievable in the existing HSSC and its subordinate bodies' work plan taking into account a realistic estimates of resources needed and available?
 - e. what are the envisaged deliverables?

Establishment of priorities

- 1.4 Priorities for accepted work items should normally be assigned based on consideration of the following factors:
- a. measures aimed at substantially preventing maritime casualties, marine pollution incidents or enhancing maritime security
 - b. measures to overcome identified deficiencies in existing IHO standards and technical resolutions;
 - c. measures needed to align IHO standards and resolutions with those of other relevant international standards and recommendations;
 - d. measures required to take into account the introduction of new technologies and methods in maritime operations;
 - e. measures required to take into account new techniques in data acquisition, processing and management, and production techniques in hydrography;
 - f. measures leading to increased Hydrographic Office efficiency.
- 1.5 Follow up actions in response to specific requests from the International Hydrographic Conference/Assembly or other international and intergovernmental organisations should be evaluated in light of paragraph 1.4 above unless specifically identified as urgent matters.

General remarks

- 1.6 When setting priorities, certain flexibility should be provided to allow for initiatives that could not be foreseen.
- 1.7 Once a decision has been made on the basis of the above for a new work item to be included in the work plan of HSSC and its subordinate bodies, an appropriate target completion date should be established, taking into

account the urgency of the matter concerned.

- 1.8 In general, proposals for new work items as well as the revised work plans presented by Chairs of subordinate bodies as part of their annual reports should include a proposed priority for each work item, based on the guidelines above.
- 1.9 Wherever possible, proposed priorities for work items will be considered ahead of a meeting by a “Chair Group” comprising Chair, Vice-Chair, Secretary and all available Chairs of subordinate bodies. Final endorsement of work item priorities will rest with HSSC and be considered at the respective meeting.

2. HSSC RELEVANT ELEMENTS OF IHO WORK PROGRAMME 2018-2020

See Programme 2 in the IHO Work Programme 2018-2020 (Doc. A.1/WP1/02 in [P-6 A-1, volume 2](#), page 17).

See Programme 2 in the IHO Work Programme 2018 (Doc. [C1-4.2](#))

3. S-100WG WORK PLAN 2018-19

Tasks

A	Maintain and extend S-100 "IHO Universal Hydrographic Data Model" (IHO Task 2.3.2)
B	Maintain and extend S-99 "Operational Procedures for the Organization and Management of the S-100 Geospatial Information Registry" (IHO Task 2.3.3)
C	Maintain and extend the S-100 GI Registry (IHO Task 2.3.1)
D	Supervise/Advise and support the development and maintenance of S-100-based product specifications (IHO Task 2.3.5)
E	Monitor the development of other related international standards (IHO Task 2.1)
F	Provide outreach and technical assistance regarding the implementation of S-100 (IHO Task 2.3.5)
G	Maintain the S-100 section of the IHO website (IHO Task 2.3)
H	Conduct the 2017 and 2018 meetings of the S-100WG and its sub-group(s) and project team(s) (IHO Task 2.1)

Work items

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
A.1	Maintain and Extend S-100	H	HSSC 10	2010	Permanent	O	Julia Powell (NOAA)		draft Ed. 4.0.0 submitted to HSSC-10 in May 2019
A.2	Development of an S-100 Interoperability Specification	H		2015	2018	O	Julia Powell (NOAA)		Draft Edition 1.0.0 submitted at HSSC-10 in May 2018
A.3	Develop the protection scheme (S-63 equivalent component, S-100 Part 14) of S-100 based-products	M		2016	2018	P	Jonathan Pritchard (UKHO)		Progress report and proposed timeline submitted at HSSC-9.
B.1	Update S-99 and the S-100 Registry pages for the registration of S-100 product specifications in accordance with HSSC6-05B rev1	M		2015	2018	P	Julia Powell (NOAA)		
B.2	Establish and maintain and expert group for the hydro domain: -	M		2016	Permanent	P	Julia Powell (US)		Action HSSC8/14 (membership and TORs)

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
C.1	Update S-100 GI Register to edition 3.0.0 and re-build the web-interfaces	H		2015	Permanent	O	Yong Baek (KHOA)		
C.2	Connect the S-100 Feature Catalogue Builder to the S-100 GI Register	H		2015	Permanent	O	Yong Baek (KHOA)		
C.3	Develop and maintain web-interfaces to propose new symbology to the S-100 Portrayal Register	H		2015	Permanent	O	Yong Baek (KHOA)		
C.4	Update and Maintain the Portrayal Catalogue Builder	H			Permanent	O	IHO Secretariat		Action HSC8/62
D.1	Review the S-100 Master Plan annually	M		2014	Permanent	O	Julia Powell (NOAA)	S-100	Include monitoring the need to revise existing S-100-based PS (e.g. S-102) and or to develop new S-100-based PS.
D.2	Review the S-101 Value Added Roadmap annually	H		2013	Permanent	O	Julia Powell (NOAA)	S-101	

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
D.3	Finalization of S-101 ENC Product Specification	H		2015	2018/2019	O	Julia Powell (NOAA)		Draft Edition 1.0.0 to be submitted to HSSC9 or 10 pending resources
D.4	Monitor the implementation of the 1 st draft of S-101 ENC product specification	H		2015		P			Action HSSC8/19 (Impact on IMO Performance Standards ?)
D.5	Develop an S-100/S-101 Test Strategy and Test Bed	H		2013	Permanent	O	Julia Powell (NOAA)		
D.6	Develop Edition 2.0.0 of S-102 Bathymetric Content Specification.	H		2014	2018	P	Dave Brazier (NAVO)		Submit draft Edition 2.0.0 to HSSC-10 (May 2018)
D.7	Develop S-129 Product Specification for Underkeel Clearance Management (UKCM) Information.	M		2016	2018	P	Nick Lemon (AMSA)		Decision HSSC8/17
D.8	Develop S-121 Product Specification for Maritime Limits and Boundaries	H		2016	2018	O	Mark Alcock (Geoscience Australia)		Action HSSC8/16 Submit draft Edition 1.0.0 to HSSC-10
D.9	Formally establish an ENC Display SubWG	M	New	2017	2019	O	Christian Mouden (France)		In liaison with ENCMWG and NCWG

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
E.1	Monitor the development of other related international standards	M			Permanent	O	Julia Powell (NOAA)		
E.2	Monitor and coordinate interactions with OGC and IOGP, to ensure proper harmonization in the development of standards.	M		2016	Permanent	P			Standards such as IOGP SSDM SeabedML (Action HSSC6/37)
E.3	Monitor the development of the IMO guidance on maritime cyber security and advice on possible future actions	L		2016	Permanent	P	Jonathan Pritchard (UKHO)		
F.1	Liaise with IHO subsidiary bodies and subordinate organs, e.g. WWNWS-SC, NIPWG, ENCWG, SCUFN, etc.	H			Permanent	O	Julia Powell (NOAA)		Establish joint project teams as required and support the UFN Project Team, see Doc. HSSC8-07.1C INF3

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
F.2	Liaise with non-IHO constituents, e.g. IALA E-nav Committee, IEHC, JCOMM Expert Teams, DGIWG, ISO, ICPC, marine navigation and GIS industry, etc.	H		2004	Permanent	O	Julia Powell (NOAA)		Clarification of the relations between IALA and IHO product specifications (e.g. sector lights modelling, encoding and portrayal in S-101 and S-201) Actions HSSC8/58, HSSC8/66
G.1	Maintain the S-100 section of the IHO website	H		2003	Permanent	O	Tony Pharaoh (IHO Sec.)		

Meetings (Task H)

Date	Location	Activity
15-18 March 2017	Genoa, Italy	S-100WG-2
19-21 Sept 2017	Virginia, USA	S-100 TSM-5
10-13 April 2018	Singapore	S-100WG-3
2018	Tbd	S-100 TSM-6

Chair: Julia Powell, NOAA
Vice Chair: Yong Baek, KHOA
Secretary: Vacant

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4. NIPWG WORK PLAN 2018-19

Tasks

D	Maintain Publication S-12 “Standardization of List of Lights and Fog Signals” (IHO Task 2.8.1)
E	Maintain Publication S-49 “Recommendations concerning Mariners’ Routeing Guides” (IHO Task 2.8.3)
F	Establish and monitor, in liaison with the S-100WG, the project teams required to specify and develop nautical information layers for use in ECDIS (IHO Task 2.3)
G	Develop high level specifications for a combined Marine Service Portfolio (MSP) covering the provision of hydrographic services to mariners in accordance with the IMO e-navigation strategy implementation plan (IHO Task 2.5.2)
H	Develop a test and implementation plan for the development of the MSP “hydrographic services” (IHO Task 2.5.2)
I	Maintain IHO Resolutions in M-3 relating to Nautical Publications as required (IHO Task 2.1)
J	Liaise with other HSSC WGs and other IHO and international bodies (IHO Task 2.1)
K	Conduct the 2017 and 2018 meetings of the NIPWG and its sub-group(s) and project team(s) (IHO Task 2.1)

Work items

Work item	Title	Priority H-high M-medium L-low	Next Milestone	Start Date	End Date	Status P-Planned O-Ongoing C-Completed S-superseded	Contact Person(s)	Related Pubs / Standard	Remarks
D.1	Monitor and assess proposals for amending S-12	M	Next meeting	2014	Permanent	O		S-12	In close liaison with IALA; see J.5.1

Work item	Title	Priority H-high M-medium L-low	Next Milestone	Start Date	End Date	Status P-Planned O-Ongoing C-Completed S-superseded	Contact Person(s)	Related Pubs / Standard	Remarks
F.1	Assess the progress and perspectives of developing specifications for NP data layers in ECDIS and propose the way forward for consideration by HSSC	H		2015	Permanent	O			To be considered in the context of the IMO e-navigation strategy implementation. NIPWG to consider establishing one or more project team(s) in liaison with S-100WG as required (see J.2), in particular to continue the development of Product Specifications currently assigned to the NIPWG.
F.2	Investigate the interaction between Marine Protected Area Product and ENC in ECDIS	H	Draft Product Specification for Marine Protected Areas (S-122) released in 2018	2015	Permanent	O	Chair/Sec		In close liaison with the S-100 WG On target for endorsement by Council - 2.
F.3	Model the NP data where required.	H	Next meeting	2004	Permanent	O	Chair/Sec		S-100 related. To be included in Hydro domain of the FCD Register.
F.4	Review of objects and attributes	H	Next meeting	2004	Permanent	O	Chair/Sec		S-100 related.

Work item	Title	Priority H-high M-medium L-low	Next Milestone	Start Date	End Date	Status P-Planned O-Ongoing C-Completed S-superseded	Contact Person(s)	Related Pubs / Standard	Remarks
F.5	Propose amendments to HYDRO domain of the FCD Register	H		2005	Permanent	O	Chair/Sec		S-100 related. To be included in the FCD register
F.8.1	Develop S-12n - Nautical Information Product Specification								
F.8.1.1	For Radio Services	H	next NIPWG meeting	2012	2019	O	Chair/Sec	S-123	
F.8.1.2	For Navigational services	L	next NIPWG meeting	2013		P	Chair/Sec	S-125	On Hold
F.8.1.3	For Traffic management	H	next NIPWG meeting	2013	2021	O	Chair/Sec	S-127	
F.8.1.3.1	For Marine Protected Areas	H	next NIPWG meeting	2011	2019	O	Chair/Sec	S-122	
F.8.1.4	For Physical environment	L	next NIPWG meeting	2013		P	Chair/Sec	S-126	On Hold
F.8.1.5	Catalog of nautical products	H	next NIPWG meeting	2016	2021	O	Chair/Sec	S-128	
G.1	Monitor the requirements for and provision of nautical information in e-navigation test-beds Produce NP1 sample data sets								According to the tasks assigned by HSSC4. Collection of information to be modelled

Work item	Title	Priority H-high M-medium L-low	Next Milestone	Start Date	End Date	Status P-Planned O-Ongoing C-Completed S-superseded	Contact Person(s)	Related Pubs / Standard	Remarks
G.1.3	For Traffic management	H	next meeting	2012	2018	O	Chair/Sec	S-127	
G.1.4	For Physical environment	L	next meeting	2013		O	Chair/Sec	S-126	
G.3	Rules and guidelines for displaying nautical information in ECDIS and in combined Marine Service Portfolios								
G.3.1	Develop basic display principles for NP data intended for use in ECDIS (NP3)	H		2008		O	Chair/Sec	S-52	Close co-operation with NCWG and S-100WG required. Interoperability Spec to be considered.
G.3.2	Monitor and contribute to the development of IMO guidelines showing how navigation information received by communications equipment can be displayed in a harmonized way and what equipment functionality is necessary.	M		2015	2019	O		S-52	e-nav IMO Strategy Implementation Plan, Task T13 (HSSC6-07.1A refers) Output number 5.2.6.2 of NCSR biennial agenda 2016-17
G.5	Contribute to considering the future of paper charts in the perspective of the establishment of MSPs	M		2014		O			Subject to request from NCWG
I.1	Maintain and extend	M	Next meeting	2012	Permanent	O	Chair/Sec NIPWG	M-3	A review is required due for the

Work item	Title	Priority H-high M-medium L-low	Next Milestone	Start Date	End Date	Status P-Planned O-Ongoing C-Completed S-superseded	Contact Person(s)	Related Pubs / Standard	Remarks
	resolutions in M-3 relating to Nautical Publications								harmonization of M3 information and potential ProdSpecs content
J.0	Liaise with the NCWG	M			Permanent	O	Chair/Sec NIPWG		Establish joint project teams as required and endorsed by HSSC.
J.1	Liaise with the ENCWG	M			Permanent	O	Chair/Sec NIPWG		
J.2	Liaise with the S-100WG	H			Permanent	O	Chair/Sec NIPWG		Establish joint project teams as required and endorsed by HSSC.
J.2.1	Draft Data Classification and Encoding Guides								Document for NPs similar to Use of the Object Catalog
J.2.3	Draft Product Specification								
J.2.3.2	For Navigational services	L		-		P	Chair/Sec	S-125	
J.2.3.3	For Traffic management	H		2011	2021	O	Chair/Sec	S-127	Depends on contract award
J.2.3.5	For Physical environment	L		-	-	P	Chair/Sec	S-126	
J.2.3.6	For Digital Catalog of Nautical Product		Next meeting	2016	2021	O	Chair/Sec	S-128	
J.3	Liaise with other HSSC WG	M		2004	Permanent	O	Chair/Sec NIPWG		
J.4	Liaise with IRCC								
J.4.1	Liaise with WWNWS Sub-Committee							S-124	Monitor developments of S-124 Correspondence Group

Work item	Title	Priority H-high M-medium L-low	Next Milestone	Start Date	End Date	Status P-Planned O-Ongoing C-Completed S-superseded	Contact Person(s)	Related Pubs / Standard	Remarks
J.5	Liaise with other international bodies which contribute to nautical information	H		2015	Permanent	O	Chair/Sec NIPWG		
J.5.1	Liaise with IALA e-Nav Committee	H		2013	Permanent	O	Chair/Sec NIPWG		
J.5.2	Liaise with International Harbor Masters' Association	L		2015	Permanent	O	Chair/Sec NIPWG		See outcome HSSC8 Section 7.10 of the minutes
J.5.3	Liaise with International Cable Protection Committee (ICPC)	M		2016	Permanent	O	Chair/Sec NIPWG		MOU signed between IHO and ICPC

Meetings (Task K)

Date	Location	Activity
12–16 March 2018	Genoa, Italy	NIPWG5
Jan 2019	Rostock, Germany	NIPWG6
Nov 2019	St. Petersburg, Russian Federation – tbc (fallback Monaco), eventually India (invitation expected)	NIPWG7
Sept 2020	Brest (tbc), France	NIPWG8

Chair: Jens Schröder-Fürstenberg, BSH, GE

Vice Chair: Edward Hosken, UKHO, UK

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5. ENCWG WORK PLAN 2018-19

Tasks

A	Maintain S-52 “Specifications for Chart Content and Display Aspects of ECDIS” and its associated “Presentation Library” (IHO Task 2.4.1)
B	Maintain S-57 “IHO Transfer Standard for Digital Hydrographic Data”, including ENC Product Specification (IHO Task 2.4.2)
C	Maintain S-58 “Recommended ENC validation checks” (IHO Task 2.4.3)
D	Maintain S-61 “Product Specification for Raster Navigational Charts” (IHO Task 2.4.4)
E	Maintain S-64 “IHO Test Data Sets for ECDIS” (IHO Task 2.4.6)
F	Maintain S-65 “ENC Production, Maintenance and Distribution Guidance” (IHO Task 2.4.7)
G	Assess the impact of other IHO standards on S-52 display specifications (IHO Task 2.4.1)
H	Liaise with the NIPWG and the NCWG (IHO Task 2.1)
I	Maintain the ENC production and portrayal sections of the IHO website (IHO Task 2.4)
J	Conduct the 2017 and 2018 meetings of ENCWG and its sub-group(s) and project team(s) (IHO Task 2.1)
K	Maintain S-66 “Facts about electronic charts and carriage requirements – (IHO Task 2.4.8)
L	Consider the development of high density contour lines related to ENCs (IHO Task 2.4)
M	Maintain and monitor the existing S-63 standard (IHO Task 2.4.5)

Work items

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
A.1	Maintain S-52 - Specifications for Chart Content and Display Aspects of ECDIS	H	Next meeting		Permanent	O	Chair/Sec ENCWG	S-57	
A.2	Resolve any problems or errors identified in the current editions of S-52 Presentation Library and S-64 ENC Test Datasets	H			Permanent	O	Chair/Sec ENCWG	S-57, S-64	Generally OEMs going through type approval with ECDIS will identify areas for clarification or correction
A.3	Investigate ENC display issues in ECDIS	H		Mar-17	Mar-19	P	Christian Mouden	S-57	
A.4	With respect to the implementation of S-52 PL4.0; monitor the Paris and Tokyo MoU CIC on Safety of Navigation and take appropriate action where necessary	M	Next meeting		2019	O	Chair ENCWG		
A.5	Monitor and assist the ECDIS S-mode work which will be an agenda item at NCSR5				2019	O	Chair ENCWG		

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
B.1	Maintain S-57 "IHO Transfer Standard for Digital Hydrographic Data, including ENC Product Specification"	H			Permanent	O	Chair/Sec ENCWG	S-52, S-58	
B.2	Resolve any problems or errors identified in the current edition of S-57	H			Permanent	O	Chair ENCWG	S-57	
B.3	Produce T&P paper for PSC See K.2	M		2018			Chair ENCWG		
B.4	Maintain the ENC portrayal sections of the IHO website.	M			Permanent	O	Chair/Sec ENCWG		
C.1	Resolve any problems or errors identified in the current edition of S-58	H			Permanent	O	Richard Fowle		
C.2	Monitor the implementation of the new edition of S-58 and keep the recommended checks up to date	H		Sept-2017	July-2018	O	Richard Fowle	S-57	

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
E.1	Resolve any problems or errors identified in the current edition of S-64	H			Permanent	O	Chair/Sec ENCWG		
F.1	Monitor and assess proposals for amending S-65	L			Permanent	O	Chair/Sec ENCWG		
G.1	Liaise with IEC TC80 to ensure that future editions of IEC 61174 are compatible with standards maintained by ENCWG	M			Permanent	O	Chair/Sec ENCWG	S-52, IEC 61174	
H.1	Liaise with the NIPWG and the NCWG	H			Permanent	O			
I.1	Maintain the ENC production and portrayal sections of the IHO website, and support FAQ and Encoding Bulletins	H			Permanent	O	Chair / IHO Sec		
K.1	Maintain S-66 Publication				Permanent	O	Chair / IHO Sec		

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
K.2	Prepare a single educative IHO authoritative document addressing the issue of “equivalent” T&P NMs for ENCs, in view of its distribution to HOs, Port State Control authorities and mariners after approval. (See B.3)	M				P	Thomas Mellor (UKHO) and NCWG Chair		
M.1	Maintain and monitor the existing S-63 protection scheme	M		2016	Permanent	O	Jonathan Pritchard (UKHO)	S-63	

Meetings (Task J)

Date	Location	Activity
14 – 18 March 2016	Tokyo, Japan	ENCWG-1
20-22 March 2017	Genoa, Italy	ENCWG-2
16-18 April 2018	Wollongong, Australia	ENCWG-3

Chair: Thomas Mellor, UK
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Tasks

A	
B	
C	

Work items

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
A									
B									
C									

Meetings

Date	Location	Activity

Chair:

Vice Chair:

Secretary:

7. TWCWG WORK PLAN 2018-19

Tasks

A	Maintain the list of standard tidal constituents (IHO Task 2.8.4)
B	Compare the tidal predictions generated as a result of analysis of a common data set using different analysis software (IHO Task 2.8)
C	Develop, maintain and extend a Product Specification for digital tide and tidal current tables (IHO Task 2.8)
F	Develop, maintain and extend a Product Specification for dynamic surface currents in ECDIS (S-111) (IHO Tasks 2.3.4 and 2.8)
G	Develop, maintain and extend a Product specification for dynamic water level in ECDIS (S-104) (IHO Tasks 2.3.4 and 2.8)
H	Liaise with S-100WG on water level and current matters relevant to ECDIS applications (IHO Task 2.3)
I	Liaise with industry experts on the development of product specifications for water level and currents (IHO Task 2.8)
J	Prepare and maintain an inventory of water level gauges and current meters used by Member States and publish it on the IHO/TWCWG web site (IHO Task 2.8.5)
K	Review and maintain the Actual Tides and Currents On-Line links as published on the IHO TWCWG website (IHO Task 2.8)
L	Maintain and extend the relevant IHO standards, specifications and publications as required (IHO Tasks 2.1)
M	Conduct at least annual meetings of TWCWG and its sub-group(s) and project team(s) (IHO Tasks 2.1)
N	Develop and maintain material for course on Tides, Water Levels and Currents (IHO Task 2.8)

Work items

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
A.1	Maintain the list of standard tidal constituents	M		-	Permanent	O	Chris Jones*		Review current list of published tidal constituents
B.1	Compare the tidal predictions generated as a result of analysis of a common data set using different analysis software.	M		-	Permanent	O	Hilde Sande Borck * All		Select Common data set Analyze using different software Predict common set of tides Compare results
C.1	Develop, maintain and extend the standard for digital tide and tidal current tables	H	Prepare final draft Standard	2009	2016 2017 2018	O	Peter Stone* Chris Jones Zarina Jayaswal		
F.1	Develop and maintain a product specification for dynamic application of surface currents in ECDIS (S-111)	H		2013	2017 2018	O	Louis Maltais* Kurt Hess		Establish joint project teams as required. Liaise with S-100WG (see H.1) Liaise with industry experts (see I.1)

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
G.1	Develop and maintain a product specification for dynamic application of water levels in ECDIS	H	Develop draft Product Specifications (S-104) for water level information for surface navigation in S-100.	2009	2017 2018 2019	O	Zarina Jayaswal* Glen Rowe Jimin Ko		Establish joint project teams as required. Liaise with S-100WG (see H.1) Liaise with industry experts (see I.1)
H.1	Liaise with S-100WG on water level and current matters relevant to ECDIS applications	H		-	Permanent	O	Gwenaële Jan Kurt Hess		Establish joint project teams as required.
I.1	Liaise with industry experts on the development of product specifications for water levels and currents	H		-	Permanent	O	All		
J.1	Maintain an inventory of water level gauges and current meters used by Member States and publish it on the IHO/TWCWG web site.	H		-	Permanent	O	David Wyatt* All		Initial inventory from TWCWG members available on IHO web site.

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
K.1	Review and maintain the Actual Tides and Currents On-Line links as published on the IHO TWCWG website	L		-	Permanent	O	David Wyatt* All		
L.1	Maintain and extend the relevant IHO standards, specifications and publications	M		-	Permanent	O	Gwenaële Jan	IHO Resolutions in M-3 S-60 User's Handbook on Datum Transformations involving WGS 84	See IHO CL10/2017 dated 1/02/2017
N.1	Develop and maintain material for CB course on Tides and Tide gauges	H	Complete translate of course material into French, Spanish and Portuguese by 2018 in liaison with Regional CB Coordinator requirements	-	Permanent	O	Ruth Farre* Peter Stone Zarina Jayaswal Gwenaële Jan Cesar Borba		Adapt currently available course material to create a course suitable for delivery in support of CBSC requests

Meetings (Task N)

Date	Location	Activity
25-28 Mar 2014	Wollongong, Australia	TWLWG-6
3-5 Jun 2014	Québec City, Canada	SCWG-2
21-24 April 2015	Silver Spring, Maryland, USA	TWLWG-7
13-15 May 2015	Tokyo, Japan	SCWG-3
25-29 April 2016	Niterói, Brazil	TWCWG-1
8-12 May 2017	Victoria, Canada	TWCWG-2
16-20 April 2018	Valparaíso, Chile	TWCWG-3

Chair: Gwénaële Jan, FR

Vice Chair: Louis Maltais, CA

Secretary: David Wyatt, IHO Sec.

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8. NCWG WORK PLAN 2018-19

Tasks

A	Maintain and extend Publication S-4 'Chart Specifications of the IHO & Regulations of the IHO for INT Charts' (IHO Task 2.2.1)
B	Maintain and extend Publication S-11 Part A 'Guidance for the Preparation and Maintenance of INT Chart schemes' (IHO Task 2.2.2)
D	Development of new (and revised) symbology (IHO Task 2.2.1)
E	Maintenance of S-4 supplementary publications INT 1, 2 & 3 (IHO Task 2.2.1)
G	Conduct meetings of NCWG (IHO Task 2.1)
H	Provide technical assistance to other IHO working groups and support regarding the implementation of S-100 (IHO Task 2.3)

Work items

No	Work item	Priority H-high M-medium L-low	Next Milestone	Start Date	End Date	Status P-Planned O-Ongoing C-Completed	Contact Person(s)	Affected Pubs/Standard	Remarks
A16	Consideration of the 'future of the paper chart'	H	Circulate draft table of contents of the report on the "future of the paper chart" to WG Then, allocate tasks to Future of Paper Chart sub-group Members	2014	2018	O	Colby Harmon		CSPCWG10 Action 36 NCWG1 Action 54 Meeting following NCWG2 NCWG3 Action 12 Report at HSSC9
A26	Portrayal subWG	H	Agree protocol for seeking advice from NCWG	2016		O	Chair NCWG		HSSC7 Action 18 NCWG2 Actions 5, 22, 30-32 Attendance at NIPWG Visualization workshop May 2017. Report to HSSC9 for approval by other WGs.
A28	Future of S-4		Progress with A16			P	Chair NCWG	S-4	NCWG3 Agenda 7.4: waiting on progress with A16

A29	Consider ICPC submission on charting submarine cables taking into account deep sea mining	L	Chair to communicate with ICPC. Sec to confirm nothing in S-4 contradictory to Res.4/1967 as amended.			P	Chair NCWG	S-4	HSSC8/68 (pending submission from ICPC). ICPC unavailable for discussion at NCWG3. NCWG3 Action 19
A30	Check the impact of the IHO Resolution 3/1919 as amended on S-4 when it is approved	L	Submit change to HSSC9 for approval if appropriate	2016	2018	O	Sec NCWG	S-4, INT1	Ref. IHO CL 27/2016 and CL 10/2017 NCWG3 Action 27
A31	Revise S-4 A-500 for digital repromat	M	Circulate draft revised A-500 for WG members comment	2017	2018	P	Sec NCWG	S-4	NCWG3 Action 31
E1	Maintain official INT 1s		Planning for next editions by INT1 sub-WG			O	DE: S Spohn FR: S Guillou ES: F. Yanguas	INT 1	English version 2015 (Ed 8) French version 2016 (Ed 6) Spanish version 2015(Ed 5)
E9	Develop new section V for INT1 for 'data quality'	M	Draft to WG	2014	2018	O	Chair NCWG UK	INT1	CSPCWG10 Action 35 NCWG3 Agenda 11.2: Transferred to UK
E10	Symbol library	L	Report to HSSC9 and remove	2016		O	UK (J Carey) US (C Harmon)	S-4, INT1	NCWG Actions 45, 46 NCWG3 Agenda 3: Not required to progress at this time.
H1	Liaise with IHO subsidiary bodies and subordinate organs, e.g. WWNWS-SC, NIPWG, ENCWG, SCUFN, etc.	L	Business as usual, report to HSSC9 and remove	2016		O	Chair and Sec NCWG	S-4, INT1, S-32	Support the UFN Project Team, see Doc. HSSC8-07.1C INF3 NCWG Agenda 7.6: J Barone appointed as POC for UFN PT.

H2	Prepare a single educative IHO authoritative document addressing the issue of “equivalent” T&Ps for ENCs, in view of its distribution to HOs, Port State Control authorities and mariners after approval.	M	Chair to circulate revised draft to WG members for comment	2016		O	NCWG Chair and ENCWG Chair	S-66 Stage 2?	HSSC8/28 NCWG3 Action 15
H3	Consider the paper on the “visualization of bathymetric uncertainties data in S-101” (Doc. HSSC8-05.6B INF6) and develop appropriate recommendations on the way forward.	M	Chair to report to DE and HSSC9.	2016		P	NCWG Chair	S-101	HSSC8/39 NCWG Action 20

* Allowing for approval via HSSC (in accordance with Resolution 2/2007) before MS and publication.

Meetings (Task G)

Date	Location	Activity
26-29 April 2016	IHB, Monaco	NCWG2
16-19 May 2017	Redlands, CA, USA	NCWG3
6-9 November 2018	The Hague, Netherlands	NCWG4

Chairman: Mikko Hovi (FI)

Vice Chairman: Jackie Barone (US)

Secretary: Andrew Heath-Coleman (UK)

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9. DQWG WORK PLAN 2018-19

Tasks

- A. Develop and maintain a data quality checklist for product specification developers (IHO Task 2.8)
- B. Periodically review S-100 based product specifications to ensure the data quality aspects have been taken into consideration and provide input papers for WGs and PTs consideration if deemed necessary (IHO Task 2.3)
- C. Monitor periodically developments of ISO and other international standards regarding quality information, and advise the S-100WG accordingly (IHO Task 2.8)
- D. Provide guidance on data quality aspects to hydrographic offices, in particular to ensure harmonized implementation (IHO Task 2.1 and 2.5.1)
- E. Provide data quality educational material for the use of mariners (IHO Task 2.4.9)
- F. Review appropriate methodology for the display of quality information to product specification developers (IHO Task 2.1)
- G. Propose new data quality topics for consideration by HSSC (IHO Task 2.8)

Work Items

Task	Work Item	Priority H-high M-medium L-low	Milestones	Start Date	End Date	Status P-planned O-ongoing C-Completed	Contact Person	Affected Pubs/Standard	Remarks
A.1	Develop checklist on data quality components	H	HSSC10	2018	2019	O	Rogier Broekman	All S-100	To be used when checking S-100 product specifications
B.1	Review S-101 Data Classification Encoding Guide	H	DQWG13	2018	2018	C	Sean Legeer	S-101 DCEG	Workshop DQWG13
B.2	Development of a "minimum" standard for data validation in S-1xx based products	H	HSSC10	2018	2018	O	Rogier Broekman	All S-100	HSSC9/16

C.1	Review S-100 section 4C	H	HSSC10	2016	2018	O	Rogier Broekman	S-100 Edition 4.0.0	Handover to S-100WG
D.1	Collect best practise of the use of CATZOC from HO's	H	HSSC10	2018	2018	C	Rogier Broekman		Workshop DQWG13
D.2	Provide recommendation for a guidance documentation on how to populate CATZOC values	M	HSSC11	2018	2019	P	Rogier Broekman	To be submitted to NCWG	Ref IHO CL50/2017 Considerations on CATZOC values for unsurveyed areas, adjacent cells, generalization, passage of time...
D.3	Provide guidance documentation on the transition from S-57 CATZOC to S-101 QoBD	M	HSSC11	2018	2019	P	Sean Legeer		Ref IHO CL50/2017
D.4	Collect best practice on how to assess ZOC from surveys	M	HSSC11	2018	2019	O	France/US/All		
E.1	Submit edition 1.0.0 of S-67 for endorsement by HSSC.	H	HSSC10	2018	2020	O	Rogier Broekman	S-4, S-57	HSSC9/36.
E.3	Consider a video version of S-67 when approved by MS	M	HSSC12	2018	2020	P	Rogier Broekman	S-67	HSSC9/36
F.1	Continue development of Portrayal methodology of bathymetry quality in S-101	H	HSSC11	2017	2019	O	Rogier Broekman	S-101 DCEG	HSSC9/35

Meetings

Date	Location	Activity
10-12 May 2016	Silver Spring, USA	DQWG11
13-15 June 2017	The Hague, Netherlands	DQWG12
15-19 January 2018	IHO Secretariat, Monaco	DQWG13
5-8 February 2019	IHO Secretariat, Monaco	DQWG14

Chair: Rogier BROEKMAN, NL

Vice-Chair: Sean LEGEER, US

Secretary: Vacant

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10. HDWG WORK PLAN 2018-19

Tasks

A	Maintain and extend the definitions in the IHO S-32 Hydrographic Dictionary Registry (IHO Task 2.8.2)
B	Liaise with other IHO bodies preparing publications containing glossaries (IHO Task 2.8.2)
C	Liaise with other organizations developing dictionaries and/or glossaries (IHO Task 2.8.2)
D	Develop a digital structure and database application to support the IHO S-32 Hydrographic Dictionary Registry on-line version(IHO Task 2.8.2)

Work items

Task	Work item	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s) * indicates leader	Related Pubs / Standard	Remarks
A	Review all terms currently included in S-32 for their relevance in accordance with the S-32 Business Rules and propose which definitions should be removed from S-32	M	a. Terms a – d	2018	2019	P	Laporte	S-32	
b. Terms e – l			2018	2019	P				
c. Terms m – r			2018	2020	P				
d. Terms s – z			2018	2020	P				

Task	Work item	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s) * indicates leader	Related Pubs / Standard	Remarks
D	Develop structure and database application to support the on-line dictionary	H		2017	2018	O	Armstrong	S-32	

Meetings (IHO WP task 3.1.8)

Date	Location	Activity
25-26 July 2017	London, UK	HDWG1
tbc	tbc	HDWG2

Chair: Jean LAPORTE, France
Vice-Chair: Vacant
Secretary: David WYATT, IHO Sec.

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11. ABLOS WORK PLAN 2018-19

Tasks

A	Organise the 10 th ABLOS Conference in 2019 (IHO Task 2.7.1)
B	Maintain IHO Publication C-51 “Technical Aspects of the Law of the Sea (TALOS) Manual” (IHO Task 2.7.2)
C	Deliver a standard training program on the hydrographic aspects of maritime delimitation (IHO Task 2.8)
D	Provide advice and guidance on the technical aspect of the Law of the Sea to relevant organizations, bodies and Member States (IHO Task 2.8)
E	Organize and prepare ABLOS business meetings in 2018 and 2019 (IHO Task 2.1.2.8)

Work items

Task	Work item	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s) * indicates leader	Related Pubs / Standard	Remarks
A1	Organise 10 th ABLOS Conference	H	Begin advertising	2017	2019	O	All members of ABLOS through Clive Schofield*	N/A	
			Identify key note speaker	2017	2019	C			
			Attract presentation abstracts	2017	2019	O			

Task	Work item	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s) * indicates leader	Related Pubs / Standard	Remarks
B1	Prepare draft 6 th Edition of C-51 (TALOS Manual) for adoption by Member States	M		2013	2016	P	Chris Carleton*	IHO Publication C-51	
		H	Generate draft new structure for chapter 3	2014	2016 2017 2018	O			
		H	Review contents of chapters and identify areas requiring revision	2014	2016 2017 2018	O			
		M	Review initial French translation and propose amendments	2018	2019	P	Marie-Françoise Lequentrec-Lalancette*/Sunil Bisnath		
		M	Review French translations of animations	2018	2019	P	Clive Schofield*/ Marie-Françoise Lequentrec-Lalancette		
C1	Deliver standard training programmes for the CBSC	H		2011	Continuous	O	John Brown*		Workshops planned in 2018 in the CBSC Work Plan.

Task	Work item	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed	Contact Person(s) * indicates leader	Related Pubs / Standard	Remarks
D1	Provide advice and guidance on the technical aspect of the Law of the Sea	H		Continuous		O	All members of ABLOS through the Chair		

Meetings (Tasks A & E)

Date	Location	Activity
26 - 28 October 2016	Seoul, Korea	ABLOS 23
9 - 12 October 2017	IHO, Monaco	ABLOS 24 and 9 th ABLOS Conference
22 – 25 October 2018	Qatar	ABLOS 25
7 - 10 October 2019	IHO, Monaco	ABLOS 26 and 10 th ABLOS Conference

Chair: Niels Andersen Email: na@space.dtu.dk

Vice-Chair: Izabel King Jeck Email: izabel@dhn.mar.mil.br

Secretary: David Wyatt Email: adso@iho.int

12. COORDINATION WORK PLAN 2018-19

Tasks

A	As required, establish Working Groups to fulfil the Committee Work Plan, monitor their work and review annually the continuing need for each Working Group previously established by the Committee (HSSC TOR)
B	Support the IHO Secretariat to implement the planning mechanism annually and at the end of each 3-year cycle (including preparation of next session of the IHO Assembly)
C	Organize, prepare and report meetings of HSSC working groups (IHO Task 2.1.2)
D	Conduct the 2018 and 2019 meetings of HSSC (IHO Task 2.1.1)

Work items

Work item	Task	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
A1	Monitor and guide the work of the Standards for Hydrographic Surveys Project Team	H	HSSC-10	HSSC-8	2019	P		S-44	Draft 6th Edition of S-44 for endorsement in 2019-20.
C1	Consider the relevance of IHO Resolution 2/2007	M		HSSC-7	IHO-A2	P		All, S-4 in particular	
A2	Amendment of HSSC TORs	H	HSSC-10		IHO-C2				

Meetings (Task D)

Date	Location	Activity
Mar 2018	Monaco	HSSC Chair meeting
14-18 May 2018	Rostock, Germany	HSSC-10
May 2019	Cape Town, South Africa	HSSC-11

HSSC Chair: Luigi SINAPI, Italy

HSSC Vice Chair: Mike PRINCE, Australia

HSSC Secretary: Abri KAMPFER, IHO Sec.

HSSC Assistant Secretary: Yves GUILLAM, IHO Sec.

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Annex A STANDARDS for HYDROGRAPHIC SURVEYS PROJECT TEAM (HS PT) WORK PLAN 2018-19

Tasks

A	Review the existing edition of S-44 (5 th edition) and identify any deficiencies in either the standards or explanatory content (IHO Task 2.6.1).
B	Identify Orders of Surveys (in terms of horizontal and vertical uncertainty requirements, feature detection requirements, and statistical confidence levels), which are required to meet certain user requirements, noting that user requirements include, but are not limited to, the differing levels of CATZOC (S-57) / Quality of Bathymetric Data (S-10X) (IHO Task 2.6.1).
C	Define, if and as appropriate, a relationship between survey orders in the IHO S-44 Publication and CATZOC used in S-57 ENC and Quality of Bathymetric Data in S-101 ENC (IHO Task 2.6.1).
D	Following review, update the content and structure of S-44 to the extent identified during the review, with the intention of publishing revisions as a sixth edition of S-44 (IHO Task 2.6.1).
E	Identify any other emergent requirements not addressed within the scope of tasks A to D, and develop a proposal and recommendations on whether the Hydrographic Survey Project Team should close, continue working on specific tasks, or be migrated to a standing Working Group with an expanded Work plan (IHO Task 2.1).
F	On completion of publication of a sixth edition of S-44, submit a proposal and recommendation to HSSC on whether the Project Team should continue as a standing Working Group and, if so, what tasks have been identified to justify transition to a standing Working Group (IHO Task 2.1)..

Work items

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
A-1	Review the existing edition of S-44 (5 th edition) and identify any deficiencies in either the standards or explanatory content.	H	HSSC 9	2016	2017	P C	Chair	S-44 Edition 5	
B-1	Identify Orders of Surveys (in terms of horizontal and vertical uncertainty requirements, feature detection requirements, and statistical confidence levels), which are required to meet certain user requirements, noting that user requirements include, but are not limited to, the differing levels of CATZOC (S-57) / Quality of Bathymetric Data (S-10X).	H	HSSC 10	2017	2018	P O	Chair / MS	S-44 Edition 5 S-57	

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
C-1	Define, if and as appropriate, a relationship between survey orders in the IHO S-44 Publication and CATZOC used in S-57 ENC and Quality of Bathymetric Data in S-101 ENC.	M	HSSC 9 & 10	2017 2018	2018 2019	P O O	MS / Experts	S-44 Edition 5 S-57 S-101	
C-2	Define, if and as appropriate, a relationship between survey orders in the IHO S-44 Publication and S-5 in order to mitigate the human element factor.	M	HSSC 9 & 10	2017 2018	2018 2019	P O O	MS / Experts	S-44 Edition 5 S-5	
D.1	Following review, update the content and structure of S-44 to the extent identified during the review, with the intention of publishing revisions as a sixth edition of S-44.	H	HSSC 10	2018	2019	P O	MS / Experts / IHO Bodies	S-44 Edition 5	

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Superseded	Contact Person(s)	Related Pubs / Standard	Remarks
E-1	Identify any other emergent requirements not addressed within the scope of tasks A to D, and develop a proposal and recommendations on whether the Hydrographic Survey Project Team should close, continue working on specific tasks, or be migrated to a standing Working Group with an expanded Work plan.	H	HSSC 10	2018	2019	P O	Chair / MS	C-13	
F-1	On completion of publication of a sixth edition of S-44, submit a proposal and recommendation to HSSC on whether the Project Team should continue as a standing Working Group and, if so, what tasks have been identified to justify transition to a standing Working Group.	H	HSSC 9 & 10	2017	2019	P O	MS/HSSC Bodies	C-13	
G-2	Start the discussion on the way forward.	H	HSSC 10	2018	2019	P O	MS/HSSC		

Meetings

Date	Location	Activity
20-22 June 2017	Paris, France	HSPT1
July 2018	Niterói, Brazil	HSPT2

PT Chair: Christophe Vrignaud

Email: christophe.vrignaud@shom.fr

PT Vice Chair: Nickolás de Andrade Roscher

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PT Secretary: David Wyatt

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