



## ORGANIZACION HIDROGRAFICA INTERNACIONAL

Dossier del BHI N° S1/1001/WP

CARTA CIRCULAR N°14/2016  
15 de Marzo del 2016

### INFORME SOBRE LA SITUACIÓN GENERAL DEL PROGRAMA DE TRABAJO DE LA OHI - A FINALES DEL 2015

#### Referencias:

- A. CHIE-5 - Decisión N° 3 (*PRO. 5 - Mejora de la estimación del costo total de las tareas de la OHI para la definición de un Programa de Trabajo clasificado por prioridades*);
- B. Carta Circular de la OHI N° 17/2015 del 24 de Febrero - *Informe sobre la Situación General del Programa de Trabajo de la OHI - a finales del 2014*;
- C. Carta Circular de la OHI N° 66/2015 del 2 de Septiembre - *Informe sobre la Situación General del Programa de Trabajo de la OHI - a mediados del 2015*.

Estimado(a) Director(a),

#### **Antecedentes**

1. La Decisión N° 3 de la 5ª Conferencia Hidrográfica Internacional Extraordinaria (CHIE-5) introdujo un régimen semestral de informes para ayudar a evaluar el progreso del Programa de Trabajo de la OHI (ver Referencia A). Los informes sobre la situación general a finales del 2014 y a mediados del 2015 fueron distribuidos a los Estados Miembros en Febrero y en Septiembre del 2015 (ver Referencias B y C). Esta Carta Circular proporciona un informe para el próximo punto de notificación - el segundo semestre del 2015.
2. El 1 de Febrero del 2016, el Comité Directivo invitó a los Presidentes de las Comisiones Hidrográficas Regionales, de los Comités, los Subcomités y los Grupos de Trabajo y al Director del Centro de Datos de la OHI para Batimetría Digital (DCDB) a informar antes del 1 de Marzo del 2016 sobre la situación general de sus programas de trabajo respectivos. Se proporcionó un modelo de informe a este efecto.

#### **Resultado al final del 2015**

3. 19 de los 41 Presidentes proporcionaron un informe para el período de Julio a Diciembre del 2015. Esto representa un porcentaje de respuestas del 46%, significativamente inferior a los índices de respuestas para los dos periodos de informes anteriores. El inventario de las respuestas a las tres encuestas bianuales se proporciona en el Anexo A.
4. Siguiendo las directivas de la CHIE-5, el Comité Directivo proporciona en el Anexo B un breve resumen de los informes recibidos. Los informes mismos se reproducen en el Anexo C (*en Inglés únicamente*).

#### **Principales sectores de preocupación indicados**

5. Basándose en los informes recibidos, el Comité Directivo observa que la limitada experiencia disponible para los grupos de trabajo pertinentes puede obstaculizar el progreso al tratar las cuestiones relativas a la representación y a la protección de datos relacionados con el desarrollo de la estructura de la S-100. Además, los retrasos adicionales en la revisión de la Edición 5.0.0 de la Publicación S-58 - *Verificación por la OHI para la Validación de ENC's* pueden afectar a la implementación de las verificaciones obligatorias para garantizar que las ENC's no contengan ningún error crítico.
6. No se han indicado deficiencias significativas en la ejecución del programa de trabajo del IRCC.

## Comentarios

7. Siete Estados Miembros han proporcionado comentarios en respuesta a la Carta Circular de la Referencia C: Argentina, Chile, España, Mauricio, Nigeria, Reino Unido y Suecia. Sus respuestas se proporcionan en el Anexo D.

8. Teniendo en cuenta el pequeño número de observaciones y la divergencia de opiniones con respecto a la utilidad y la frecuencia de los informes que estos últimos reflejan, el Comité Directivo invita a los Estados Miembros a proporcionar comentarios adicionales sobre el proceso informativo a la mayor brevedad y **no más tarde del 31 de Mayo del 2016**. Los comentarios de los Estados Miembros serán recopilados por el Comité Directivo para informar sobre la reconsideración del proceso de información antes de la próxima Conferencia/Asamblea de la OHI en el 2017, según lo previsto por la Decisión de la Conferencia, tal y como menciona la Decisión de la Referencia A.

## Próximo período de Informes

9. De acuerdo con la Decisión de la Conferencia de la Referencia A, el Comité Directivo publicará su próxima solicitud de informes semestrales en Julio del 2016.

En nombre del Comité Directivo  
Atentamente,



Robert WARD  
Presidente

## Anexos:

- A. Inventario de las respuestas a las tres encuestas bianuales;
- B. Compilación de los Informes de Situación de los órganos de la OHI y de los organismos inter-organizativos que implican a la OHI - Finales del 2015;
- C. Informes de Situación recibidos (*en Inglés únicamente*);
- D. Respuestas de los Estados Miembros de la OHI a la CC. N° 66/2015.

## Copia (por correo electrónico):

- Presidentes y Vice-Presidentes de los órganos de la OHI;
- Presidentes y Vice-Presidentes de los organismos inter-organizativos que implican a la OHI.

**INVENTARIO DE LAS RESPUESTAS A LAS TRES ENCUESTAS BIANUALES**

<b>Organos de la OHI y organismos inter-organizativos</b>	<b>Informes a finales del 2014</b>	<b>Informes a mediados del 2015</b>	<b>Informes a finales del 2015</b>	<b>Comentarios</b>
HSSC	Sí	Sí	Sí	
S-100WG	Sí	Sí	Sí	
ENCWG	Sí (DIPWG)	Sí	Sí	
DPSWG	Sí	Sí	Sí	
NIPWG		Sí	Sí	
NCWG	Sí	Sí	Sí	
DQWG	Sí	Sí	Ningún Informe	
TWCWG	Sí (SCWG)	Sí	Ningún Informe	
HDWG	Ningún Informe	Sí	Sí	
ABLOS	Ningún Informe	Presentación tardía	Ningún Informe	
IRCC	Sí	Sí	Ningún Informe	
CHA	Sí	Sí	Ningún Informe	
SC-SMAN	Sí	Sí	Sí	
CBSC	Sí	Ningún Informe	Ningún Informe	
WEND-WG	Sí	Sí	Sí	
IENWG	Sí	Sí	Sí	
MSDIWG	Sí	Ningún Informe	Ningún Informe	
CSBWG	No es aplicable	No es aplicable	Ningún Informe	CSBWG creado por el IRCC7 (Junio del 2015)
IBSC	Ningún Informe	Ningún Informe	Ningún Informe	
GEBCO-GC	Sí	Sí	Ningún Informe	
TSCOM	Sí	Sí	Sí	Informes conjuntos
SCRUM				
SCUFN	Sí	Sí	Sí	
DCDB	Ningún Informe	Ningún Informe	Ningún Informe	
CHN	Ningún Informe	Ningún Informe	Ningún Informe	
CHMN	Sí	Sí	Sí	
CHMMN	Ningún Informe	Ningún Informe	Ningún Informe	
CHMB	Ningún Informe	Ningún Informe	Ningún Informe	
USCHC	Ningún Informe	Ningún Informe	Ningún Informe	
CHAO	Ningún Informe	Ningún Informe	Ningún Informe	
CHAtO	Sí	Sí	Sí	
CHRPSE	Ningún Informe	Ningún Informe	Ningún Informe	
CHPSO	Ningún Informe	Ningún Informe	Ningún Informe	
CHMMC	Sí	Sí	Sí	
CHAIA	Sí	Sí	Sí	
CHOIS	Sí	Ningún Informe	Sí	
RSAHC	Ningún Informe	Ningún Informe	Ningún Informe	
CHAtSO	Ningún Informe	Ningún Informe	Ningún Informe	
CHRA	Ningún Informe	Ningún Informe	Ningún Informe	
CF	Sí	Sí	Ningún Informe	
SRWG	Sí	Sí	Sí	

**COMPILACIÓN DE LOS INFORMES DE SITUACIÓN DE LOS ÓRGANOS  
DE LA OHI Y DE LOS ORGANISMOS INTER-ORGANIZATIVOS QUE IMPLICAN  
A LA OHI - FINALES DEL 2015**

**Número de respuestas**

1. Los Presidentes de 19 órganos han respondido a la solicitud del BHI antes del 1 de Marzo del 2016. Los 22 órganos siguientes no han proporcionado ningún informe:

- Órganos subsidiarios:  
CF
- Órganos subordinados del HSSC:  
DQWG, TWCWG
- Órganos subordinados del IRCC:  
IRCC, CHA, CBSC, CSBWG, MSDIWG, DCDB
- Comisiones Hidrográficas Regionales:  
CHRA, CHMB, CHAO, CHMMN, CHN, RSAHC, CHRPS, CHAISO, CHPSO, USCHC
- Organismos inter-organizativos: ABLOS, IBSC, GEBCO GC.

**Situación del programa de trabajo del HSSC**

2. El desarrollo de la S-100 y la evolución de la Base de Registros de la S-100 se han beneficiado de soporte adicional dedicado gentilmente proporcionado por la República de Corea y los EE.UU.. Sin embargo, la limitada experiencia disponible puede obstaculizar el progreso al tratar las cuestiones relativas a la representación y a la protección de datos relacionadas con la S-100.

3. El informe del Grupo de Trabajo sobre el Mantenimiento de Normas ENC (ENCWG) identifica un nuevo problema técnico que puede retrasar la preparación de la Edición 5.1.0 de la Publicación S-58 - *Verificaciones de Validación de ENCs*. La implementación de las verificaciones obligatorias que garantizan que las ENCs no contienen errores críticos depende de la finalización de la revisión de la S-58, Edición 5.0.0.

4. Es probable que tanto el Vice-Presidente como el Presidente del Grupo de Trabajo sobre Cartografía Náutica (NCWG) tengan que ser reemplazados sucesivamente tras su jubilación prevista. Los candidatos a la elección del nuevo Vice-Presidente, en la próxima reunión del NCWG (Abril del 2016), deberán estar dispuestos a asumir el rol de Presidente en un futuro próximo.

5. El desarrollo, a través de la Fundación Wikipedia, de un Demostrador Wiki multilingüe parece ser una perspectiva prometedora como apoyo del Diccionario Hidrográfico S-32 interactivo.

**Situación de los programas de trabajo de las Comisiones Hidrográficas Regionales**

6. Sólo cinco de las 15 CHRs han proporcionado informes.

7. La falta de conciencia y las capacidades hidrográficas en fase de desarrollo son los principales problemas indicados.

**Situación del programa de trabajo del IRCC**

8. No se ha mencionado ningún problema importante.

**INFORMES DE SITUACIÓN RECIBIDOS - FINALES DEL 2015**

**Contenido:**

- HSSC
- S-100WG
- ENCWG
- DPSWG
- NIPWG
- NCWG
- HDWG
  
- CHMN
- CHAtO
- CHMMC
- CHAIA
- CHOIS
  
- SC-SMAN
- WEND-WG
- IENWG
- TSCOM & SCRUM
- SCUFN
  
- SRWG

## HSSC REPORT

Overall status of the work programme of **Hydrographic Standards and Services Committee (HSSC)**

Compiled by Dr Mathias Jonas - e-mail address: [mathias.jonas@bsh.de](mailto:mathias.jonas@bsh.de)

Current goals and priorities	Current or expected gaps and needs	Comments
Maintenance of current ECDIS standards: implementation of the new editions of S-52, S-52 Presentation Library, S-58, S-63 and S-64	Coordination with IEC and IMO	Request of industry to extend by one year, until 31 August 2017, the transition period for upgrading existing ECDIS systems to meet the revised set of IHO and IEC standards which came into force on 31 August 2015 for new ECDIS systems
	Creation of edition 2.0 of S-63 for S-10x data Products behind schedule	Planned for a draft to be circulated prior to meeting in March 2016.
Development of S-100 and S-100 based product specifications	Due to IT reasons reengineering of the registry structure and the register interface required	NOAA and ROK work on it
	Delayed completion of the portrayal catalogue builder for S-101	Pending completion of the reengineering of the registry structure and interface but lack of funding as well. Need to explore the use of the S-52 Presentation Library funds of the IHO special project funds.
	S-102 still needs to establish both a feature and portrayal catalogue for machine readability. It also needs to propose the encoding that will be used for this product to S-100 edition 2.1.0	Pending completion of the reengineering of the registry structure and interface (see above)

## S-100WG REPORT

Overall status of the work programme of the **S-100 Working Group**

Compiled by Julia Powell - e-mail address: [Julia.Powell@noaa.gov](mailto:Julia.Powell@noaa.gov)

Current goals and priorities	Current or expected gaps and needs	Comments
Develop an S-100 Interoperability Guidebook	Currently this project is on track.	Have secured funding via a Korea-NOAA agreement to provide the initial scope of work.
Publish edition 3.0.0 of S-100	After the S100WG01 meeting in March plan needs to be developed for the review and finalization of S-100 ed. 3.0.0	Edition 3.0.0 will include a new encoding format and proposed corrections and clarifications as a result of the S-100 test bed activities.
Prepare a New Edition of S-102	S-102 still needs to establish both a feature and portrayal catalogue for machine readability. It also needs to propose the encoding that will be used for this product to S-100 edition 2.1.0	
Update the S-100 Portrayal Catalogue Builder (PCB)	The PCB has not been used to develop S-100 based portrayal catalogues as the focus has been on updating the other pieces of S-100 infrastructure. Because of the lack of extensive testing and some changes to the S-100 Register infrastructure the PCB may need to have some additional upgrades and functionality added.	Need to explore the use of the S-52 Presentation Library funds of the IHO special project funds.

## ENCWG REPORT

Overall status of the work programme of **Electronic Navigational Chart WG (ENC WG)**

Compiled by: **Thomas Mellor** - e-mail address: [Thomas.Mellor@ukho.gov.uk](mailto:Thomas.Mellor@ukho.gov.uk)

Current goals and priorities	Current or expected gaps and needs	Comments
S-52 Presentation Library - Clarify issues reported by OEMs during recent type approval tests.	On track	S-52 Presentation Library edition 4.0.1 was issued in June 2015. A number of comments have been received from OEMs taking ECDIS through type approval with the new standards. These will be addressed at a meeting in Monaco (8-10 Feb 2016) with final approval by the ENCWG in March.
S-64 Clarify issues reported by OEMs during recent type approval tests	On track	A number of comments have been received from OEMs taking ECDIS through type approval with the new standards. These will be addressed at a meeting in Monaco (8-10 Feb 2016) with final approval by the ENCWG in March.
S-58 - 5.1.0 revision currently underway	Caris have identified issues with ISO terms and definitions used to describe spatial operators in 19125-1. ENCWG will have to decide to either define our own definitions for spatial operators, accept them as defined or lobby ISO to update their definitions.	The task will not be able to proceed until this issue with S-58 spatial operator definitions is agreed. This will be considered at ENCWG1 (March 2016)
S-65 review to ensure alignment with the WEND Principles.	Not started	Task group to be established at ENCWG1 (March 2016)
S-66	On track	Since HSSC7 the review of S-66 has been the responsibility of ENCWG. The current draft document and comment form will be reviewed at ENCWG1 (March 2016)



## DPSWG REPORT

Overall status of the work programme of **DPSWG**

Compiled by: **Jonathan Pritchard** - e-mail address: [jonathan.pritchard@ukho.gov.uk](mailto:jonathan.pritchard@ukho.gov.uk)

<b>Current goals and priorities</b>	<b>Current or expected gaps and needs</b>	<b>Comments</b>
Creation of edition 2.0 of S-63 for S-10x data products	Behind schedule. Planned for a draft to be circulated prior to meeting in March 2016. The goal of that meeting is the production of a draft.	A drafting group and DPSWG meeting is scheduled for March 2016 in Tokyo alongside S-100 and S57 WG meetings. This should provide the opportunity to turn the current document into a workable draft. The current document has been circulated to DPSWG members for comment and update. Resource constraints for authoring S-63 are the only issue as most technical elements are now present.
Support to data protection scheme administrators and end users (including ECDIS OEMs)	On track	A reactive function for the DPSWG group. A mixture of simple queries and issues of policy which are progressed with IHB staff. Some discussion over the use of data for non-navigational purposes and licence agreements will be tabled at the DPSWG meeting in Tokyo.
Input into other IHO work groups on S-63 2.0 structure.	On track	Papers clarifying responsibilities and metadata updates to S-100 will be presented at S-100WG meeting in Tokyo. This reflects structural agreements made by DPSWG in previous meetings and provides a framework for completion of the draft 2.0.

## NIPWG REPORT

Overall status of the work programme of NIPWG

Compiled by: **Jens Schröder-Fürstenberg** - e-mail address: [jens.schroeder-fuerstenberg@bsh.de](mailto:jens.schroeder-fuerstenberg@bsh.de)

Principal goals or priorities for your group	Current or expected gaps and needs that may prevent completion of tasks on time	Any amplifying comments
Populate the NPUBS domain of the FCD Register (work item F.7)	[NEED] improvement of the registry handling	The registry is under construction and improvement comments based on the testing phase experience have been provided
Develop S-122–Marine Protected Area Product Specification (work item F 8.1)	[GAP] portrayal and data quality parts missing [NEED] harmonization with S-101 data model, feature catalogue builder	Portrayal part is under consideration by the involved WGs, quality model was forwarded to the DQWG for further consideration.  The harmonization discussion between the S-100WG/S-101 Project Team and NIPWG is ongoing, the feature catalogue builder is not available
Draft Data Capture and Encoding Guides for Marine Protected Area Product Specification (work item J.2.1.1)	[NEED] harmonization with S-101 data model	Both the S-101 and the S-122 data models should be harmonized to the widest possible extent. The next phase is to await the next S-100WG meeting where the DCEG improvements will be discussed
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 2.6.2)	[NEED] specification of the intended operation of/between different product specifications	The issue is under consideration by the S-100WG, Unique identifier proposals are under consideration

<b>Principal goals or priorities for your group</b>	<b>Current or expected gaps and needs that may prevent completion of tasks on time</b>	<b>Any amplifying comments</b>
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	[GAP] MSP specification	MSPs in their current status of development have not been accepted by the IMO. Further improvements and clarifications are requested and should be provided by mid-2016.
Develop a test and implementation plan for the development of the MSP “hydrographic services” (Work item H)	[GAP] MSP specification	MSPs in their current status of development have not been accepted by the IMO. Further improvements and clarifications are requested and should be provided by 2016.  A MSP named “hydrographic services” doesn’t exist at the time when this report was been compiled.

## NCWG REPORT

Overall status of the work programme of the **Nautical Cartography Working Group (NCWG)**

Compiled by **Jeff Wootton** - e-mail address: [jeff.wootton@defence.gov.au](mailto:jeff.wootton@defence.gov.au)

Principal goals or priorities for your group	Current or expected gaps and needs that may prevent completion of tasks on time	Any amplifying comments
(A) Maintain and extend Publication S-4 'Chart Specifications of the IHO & Regulations of the IHO for INT Charts' (IHO Task 2.3.2) and Maintenance of S-4 supplementary publications INT 1, 2 & 3 (IHO Task 2.3.2).	Issue with requirement to conform to IHO Resolution 2/2007 for S-4 and coordination of publication of associated (IHO adopted) national INT1 publications (DE, FR, ES).	Raised at HSSC7 (November 2015). Will be further discussed in association with NCWG detailed procedures at NCWG2 (April 2016) and at the HSSC Chair Group meeting (June 2016).
(B) Consideration of the future of the paper chart (NCWG Work Item A.16)	Likely retirement of the WG Chair may stall discussions.	Top priority work item assigned at HSSC7. Correspondence Group identified but little correspondence to date due to conflicting priorities of WG Chair. Discussion paper to be presented at NCWG2. It is hoped that the succeeding Chair* of the WG will be able to continue to progress this item.
(C) Maintain and extend Publication S-11 Part A, Guidance for the Preparation and Maintenance of INT Chart Schemes (IHO Task 2.3.2).	None.	Revised draft based on decisions and actions from HSSC7 to be presented at NCWG2.
(D) Development of new (and revised) symbology (IHO Task 2.3.2).	Actions HSSC7/18 and HSSC7/20 relate to ECDIS portrayal. The NCWG is in the early stages of transitioning from a focus almost exclusively on symbology for paper charts to providing subject matter expertise related to presentation and portrayal for all nautical charting products. This expertise in regard to ECDIS may take some time to build, and accessibility to S-100 test beds and test data will be required.	To be discussed at NCWG2. Liaison with other HSSC Working Groups such as the S-100WG, ENCWG and NIPWG; and consultation with expert contributors such as OEMs, is considered essential.

\* NOTE: The current Vice-Chair of the WG will be retiring end of March 2016, and it is expected that the Chair of the WG will be retiring in the latter half of the year. A new Vice-Chair will be elected at the NCWG2 meeting (April 2016), with an expectation that the newly elected Vice-Chair will assume the role of Chair of the WG on retirement of the current Chair, in line with HSSC procedures.

## HDWG REPORT

Overall status of the work programme of **HDWG**

Compiled by: **Jean Laporte, HDWG Chairman** - e-mail address: [JLaporte@argans.co.uk](mailto:JLaporte@argans.co.uk); [jlaporte@shom.fr](mailto:jlaporte@shom.fr)

<b>Current goals and priorities</b>	<b>Current or expected gaps and needs</b>	<b>Comments</b>
<p>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</p>	<p>Thanks to the secondment of a Peruvian officer, and the Wikipedia initiative explained below, the future of the Hydrographic Dictionary, which was lagging abominably, is suddenly looking much brighter</p>	<p>Since August 2015, Captain Luis Hernandez, Peruvian Navy, has been seconded to the IHO to work on the Hydrographic Dictionary, in particular to generate an up to date searchable digital Spanish version to be published on the IHO website. He has brought a Word version up to date with all the changes from before 2000, removed the English references and sorted it into Spanish alphabetical order, the unique reference numbers have been maintained.</p> <p>He is now tackling the duplicate words and identifying terms which he considers are not hydrographic terms or not in usage any longer; and which should eventually be removed.</p>
<p>Review the approved definitions of Altitude, Elevation and Height</p>	<p>Task delayed due amongst other circumstances to the changes affecting the new TWCWG and NCWG. It had been agreed with the 2 previous chairmen that they should propose a common definition, but the issue has not been addressed</p>	<ol style="list-style-type: none"> <li>1. The new TWCWG chair lady has been approached and hopefully, the definition will be mentioned at the TWCWG April 2016 meeting and the issue revived</li> <li>2. It is envisaged to enter the S-100 unambiguous definition in the S-32 under a special caption, so as not to alter the traditional definitions, which are still used by non-S-100 lesser mortals.</li> </ol>

<b>Current goals and priorities</b>	<b>Current or expected gaps and needs</b>	<b>Comments</b>
<p>To investigate options (scope, format / content management system, languages, cross-references, maintenance regime, ...) and associated resource requirements and timeline to produce [and maintain] a reference edition of S-32</p>	<p>The tentative draft TO and Business rules upgrade are ready and could be finalised during a meeting in Monaco at a date still to be agreed (May 2016 would be ideal)</p>	<p>1. Thanks to Wikipedia, a major change is about to occur with synoptic presentations in many languages against the unique approved IHO reference and the reintroduction of much regretted index numbers.</p> <p>2. A report will be prepared to explain the changes that could take place, after a thorough examination of the Wiki Demonstrator which, so far, is most impressive.</p>

## NSHC REPORT

Overall status of the work programme of NSHC

Compiled by: **Leendert Dorst, Hydrographic Service of the Royal Netherlands Navy** - e-mail address: [LL.Dorst@mindef.nl](mailto:LL.Dorst@mindef.nl)

Current goals and priorities	Current or expected gaps and needs	Comments
shared European contacts and projects	None	in cooperation with other European RHCs in the IENWG
shared progress to reach an up to date bathymetric coverage of the North Sea	<ol style="list-style-type: none"> <li>1. limited survey capacity;</li> <li>2. lack of a basin-wide risk assessment</li> </ol>	<ol style="list-style-type: none"> <li>1. resurvey strategies for dynamic areas and emerging survey methods (LIDAR, SDB, CSB) are taken into account</li> <li>2. value of a basin-wide risk assessment, as well as the feasibility of the associated tasks, need to be re-evaluated at NHSC32</li> </ol>
shared experiences relating to Marine Spatial Data Infrastructures	none	through establishing a BSHC/NSHC MSDI Working Group
shared progress on the establishment of vertical reference frames	lack of an international initiative to establish a consistent set of references for the entire North Sea area	<ol style="list-style-type: none"> <li>1. includes national Chart Datums, references suitable for the coastal zone, and Ellipsoidally Referenced Surveying</li> <li>2. task is coordinated by the NSHC Tidal WG</li> <li>3. the current situation will be described by the Coastal Mapping project of the European Commission (DG Mare), action item "assess consistency of the existing vertical datums"</li> </ol>
online publication of the North Sea Bathymetry Database at the new web site of NSHC		This results in: (a) a contribution to the further development of EMODNet, (b) assistance in survey prioritization, and (c) data availability to society in line with the PSI Directive.



## EAtHC REPORT

Overall status of the work programme of .....EAtHC.....

Compiled by ... **CV A.DIHAJI (DHOC, MOROCCO)** - e-mail address: **affairmar.dhoc@gmail.com**

Principal goals or priorities for your group	Current or expected gaps and needs that may prevent completion of tasks on time	Any amplifying comments
Continue to engage coastal states of the region to apply to IHO membership.	//	Republic of Congo is a new pending to approval by IHO member States to IHO membership (CL 67/2015)
Cooperation with a regional organizations in the region	//	CL about cooperation between the Maritime Organization of West and Central Africa (MOWCA) and IHO was submitted for Member States to provide comments by correspondence procedure.
Raising the awareness of the importance of hydrography in the Region and promoting capacity building.	Deficiency of awareness of political deciders in the region on the importance of hydrography for the governance of their maritime space by increasing maritime co-activities, which leads to a lack of funding and government support.	For example: - Technical visit to Liberia postponed to 2016; - High level visit to MOWCA postponed to 2016; -To suggest to consider including special session on hydrographic capacity as an agenda item for discussion at 38th Annual Council Port Management Association of West and Central Africa (PMAWCA) in 2016, (A letter from Chair of EAtHC was sent to PMAWCA to attend to 37th Annual Council in 2015, without answer) .
Monitoring and improving the status of nautical information, surveys, and charting, developing and implementing INT chart and ENC schemes	-The need to enhance the data available in the region, for the benefit of national planning or for other applications, such as marine disasters prevention.	

<b>Principal goals or priorities for your group</b>	<b>Current or expected gaps and needs that may prevent completion of tasks on time</b>	<b>Any amplifying comments</b>
.	<p>-Lack of feedback regarding NAVAREA II Points of Contacts, and no points of contact at all for some coastal States.</p> <p>-Ports non-covered by large scale ENCs.</p>	
Interest to develop regional hydrographic courses, based on existing African maritime academy.	A few coastal States have national hydrographic organizations. They mainly consist in hydrographic cells under the main port authority.	We note that some actions taken by Côte d'Ivoire to develop its capabilities in hydrography and nautical charting by creation of a Coordination Center of marine Hydrography and Cartography.
Regional Training Course in Hydrographic Field Operator for Francophone Africa		

## MACHC REPORT

Overall status of the work programme of MACHC

Compiled by: **Leendert Dorst, Hydrographic Service of the Royal Netherlands Navy** - e-mail address: [LL.Dorst@mindef.nl](mailto:LL.Dorst@mindef.nl)

Current goals and priorities	Current or expected gaps and needs	Comments
increase membership and regional cooperation	developments on the use of Spanish needed	<ol style="list-style-type: none"> <li>1. Membership is growing. The MACHC welcomed the Dominican Republic as an associate member in December.</li> <li>2. Strong participation of industry during the MACHC Conferences.</li> </ol>
shared progress to reach an up to date bathymetric coverage of the MACHC area	<ol style="list-style-type: none"> <li>1. limited survey capacity;</li> <li>2. lack of a basin-wide risk assessment</li> </ol>	<ol style="list-style-type: none"> <li>1. emerging survey methods (LIDAR, SDB, CSB) are taken into account</li> <li>2. developments on risk assessment methodologies are followed closely</li> </ol>
achieve full ENC coverage	None	<ol style="list-style-type: none"> <li>1. coordinated by the MACHC Integrated Charting Committee.</li> <li>2. of the 799 current and planned ENCs required to meet WEND principles for adequate ENC coverage, 685 are currently published and available (86%). The number is growing steadily.</li> </ol>
ensure all coastal states reach CB Phase 1 status.	None	<ol style="list-style-type: none"> <li>1. coordinated by the MACHC CB Committee.</li> <li>2. The requirement to deliver capacity building activities in Spanish is being met.</li> <li>3. Annual Hydrographic Awareness Seminars are organized in conjunction with MACHC meetings to raise awareness in the region.</li> </ol>
contribute to a regional marine SDI through the Marine Environmental Infrastructure Programme (MEIP) of MACHC.	None	<ol style="list-style-type: none"> <li>1. coordinated by the MACHC MEIP WG.</li> <li>2. The MACHC ENC Online database will be available without password protection.</li> </ol>

## SAIHC REPORT

Overall status of the work programme of .....SAIHC.....

Compiled by ...**Captain Abri Kampfer** - e-mail address: [hydrosan@iafrica.com](mailto:hydrosan@iafrica.com)

Principal goals or priorities for your group	Current or expected gaps and needs that may prevent completion of tasks on time	Any amplifying comments
<p>Promote technical co-operation in the domain of hydrographic surveying, marine cartography, and nautical information within the Region</p>	<p>Majority of Associate Member States in region have still not achieved Phase 1 hydrographic development.</p>	<p>Shortcomings have been identified during technical visits within the region and are being addressed through the SAIHC Capacity Building Strategy. National reports presented at the SAIHC Conference allow the opportunity for Associate Member States to provide feedback on progress and request specific support. Next ICCWG and SAIHC Conference scheduled to be held in Cape Town from 29 to 31 August 2016.</p>
<p>Stimulate all countries within the Region to widen hydrographic activity in the area and to encourage them to seek technical advice and assistance from the IHB in establishing and strengthening their hydrographic capabilities in order to promote safe navigation and create an environment within which economic development may take place</p>	<p>Lack of funding and government support. High level interaction required to inform decision makers at the political levels of Government to create awareness and garner support for in-country officials.</p>	<p>Visits by IHB President identified as a SAIHC Capacity Building priority. CBSC 13 approved a SAIHC requirement for a High level visit to Tanzania by IHB President and SAIHC Chair for 2016. CB Coordinator in process to establish most suitable date.</p>
<p>Facilitate the exchange of information concerning surveys, research or scientific and technical developments, to aid in the planning and organisation of hydrographic activities</p>	<p>The lack of functioning hydrographic offices and National Hydrographic Committees create some difficulty to obtain information.</p>	<p>SAIHC Conference and SAIHC ICCWG are used to communicate the requirements and obtain information from delegates. Between scheduled conferences there is only communication with INT Chart producers and no feedback from Associate Member countries</p>

<b>Principal goals or priorities for your group</b>	<b>Current or expected gaps and needs that may prevent completion of tasks on time</b>	<b>Any amplifying comments</b>
Conduct Capacity Building projects as approved by CBSC	One training event, the Phase 1 Skills Course, transferred from 2015 to 2016 due to difficulty to find a suitable host country	The Technical Aspects of Maritime Boundaries and Baselines Workshop was successfully conducted in Fish Hoek, South Africa and a report has been submitted. Difficulty experienced with the hosting of the Phase 1 Skills Course, but there is confidence to still execute the course in June 2016 in Namibia. Two events planned for 2016 execution is the High Level Visit to Tanzania and MBES setting to work project for Mozambique.

## NIOHC REPORT

Overall status of the work programme of.....**NIOHC**

Compiled by: **Commodore Mahmudul Hassan**

e-mail address: [dhydro@navy.mil.bd](mailto:dhydro@navy.mil.bd)

<b>Current goals and priorities</b>	<b>Current or expected gaps and needs</b>	<b>Comments</b>
<b>NICCWG</b> Production and maintenance of INT chart and ENC schemes for the NIOHC region.	None	Ongoing Will be updated at the next NICCWG meeting in March 16
<b>NIOHC CB</b> CB plan revised annually at the NIOHC meeting as per MS requirements. CB events planned and undertaken.	None	Ongoing Will be updated at the next NIOHC meeting in March 16
<b>Other IHO bodies</b> Responding to actions and reports as required by other IHO bodies eg. IRCC, WEND-WG	None	Ongoing

## WWNWS-SC REPORT

Overall status of the work programme of: **WWNWS-SC**

Compiled by: **Peter Doherty – Chairman WWNWS-SC** - e-mail address: [peter.m.doherty@nga.mil](mailto:peter.m.doherty@nga.mil)

Current goals and priorities	Current or expected gaps and needs	Comments
Maritime Safety Information Training Course	Travel expense for 2 Instructors, anticipated via CB funding.	2 courses per year, 2 instructors per course
Maritime Safety Information Document Review Work Group	None expected.	WG supports review and standardization of IMO, WMO, IHO common MSI documents. Chairman supports through IMO NCSR. Conclusion of IHO/WMO MoU expected to increase WMO participation.
S-124 Working Group	None at this time. WG has the right mix of National MSI authorities and Industry Partners.	WG contributes to the modernization of GMDSS via e-navigation. Longer term engagement of MS in S-124 development considered fragile and could retard S delivery. Harmonization with IALA e-navigation initiative considered vital.
Review of the Iridium proposal as a GMDSS Satellite Service Provider	None expected.	Review of Iridium proposal and various documentation via WWNWS-SC meetings interaction with IMO and WMO. Longer term challenges for NAVAREA coordinators' service delivery via two satellite providers to be considered and explored with IMO.

## WEND-WG REPORT

Overall status of the work programme of **WEND-WG**

Compiled by: **Mark Halliwell (for Capt Jamie McMichael-Phillips)** - e-mail address: [mark.halliwell@ukho.gov.uk](mailto:mark.halliwell@ukho.gov.uk)

Current goals and priorities	Current or expected gaps and needs	Comments
Overlapping ENC Issues	None	Four main items, all of which are complete (including establishment of document repository on IHO website), or are in progress.
RENC Harmonization and Distribution	None	Joint RENC report on benefits of joining a RENC published on IHO website.
ENC Coverage	None	UKHO continues to provide up-to-date statistics on ENC coverage and a list of ports and moorings.
IHO Performance Indicators, IHO ENC Catalogue	None	Updated Programme of Work published on IHO website. Other items are in progress.
The Full Implementation of the WEND Principles	None	A report of the correspondence group has been completed and is available on the IHO website. It will be discussed at WENDWG6 in March.
Admiralty Information Overlays	None	Status Report by UKHO and Proposals paper by other MSs have been published. Will be discussed at WENDWG6 in March.



**IENWG REPORT**  
**26 January 2016 (last IENWG meeting held in St-Mandé 18-19 January 2016)**

Overall status of the work programme of **IHO-EC network WG**

Compiled by **Laurent Kerléguer** - e-mail address: [laurent.kerleguer@shom.fr](mailto:laurent.kerleguer@shom.fr)

<b>Principal goals or priorities for your group</b>	<b>Current or expected gaps and needs that may prevent completion of tasks on time</b>	<b>Any amplifying comments</b>
To monitor the outcome of the EC call for tender “Coastal mapping”		<p>The European Commission’s Directorate-General for Maritime Affairs and Fisheries (DG Mare) has awarded a contract on coastal mapping call MARE/2014/10 to the 18 partners’ consortium led by SHOM. Duration of the contract is 36 months.</p> <p>Kick-off meeting June 2015 in Saint-Mandé.</p> <p>Overall aims of the project are:</p> <ul style="list-style-type: none"> <li>- Assess the current availability of digital coastal maps in the EU</li> <li>- Disseminate this information by EMODnet</li> <li>- Share experience of coastal mapping in the EU</li> <li>- Develop standards for best practices</li> <li>- Propose how a future JECMaP could operate</li> </ul> <p>The coastal mapping portal was opened on December 2015.</p>
To prepare the position of European HOs about the future phase of EMODNet, the long term marine data initiative from the European Commission		<p><i>After consulting European HOs of the RHC concerned, IENWG HOs have defined a common strategy relative to the future EMODNET 3 call for tender.</i></p> <p>Still waiting for EMODNET Bathymetry call to be issued by DG MARE.</p>
To improve cooperation with the European Commission, by promoting amongst its entities and with decision makers the role of the hydrographic offices in development of EU maritime policies.		IENWG considering how it could be represented in the Maritime Spatial Planning Expert Group.

<b>Principal goals or priorities for your group</b>	<b>Current or expected gaps and needs that may prevent completion of tasks on time</b>	<b>Any amplifying comments</b>
To monitor European directives, calls for tenders and proposals, projects, events, etc., potentially impacting HOs and to define actions to be conducted in accordance		<p>IENWG considering how EU Directive on Marine Equipment could foster the requirement that software-based equipment such as ECDIS be updated to the latest version of the relevant standards.</p> <p>HOs of EU/EEA have liaised with their relevant administration to make sure that the question of ECDIS maintenance is at the agenda of the next Maritime Equipment Expert Group (<a href="http://ec.europa.eu/transparency/regexpert/index.cfm?do=groupDetail.groupDetail&amp;groupID=2653">http://ec.europa.eu/transparency/regexpert/index.cfm?do=groupDetail.groupDetail&amp;groupID=2653</a>). This question has not yet been raised at the MED expert group.</p>

## SCRUM/TSCOM REPORT

Overall status of the work programme of .....**SCRUM/TSCOM**

Compiled by ...**Martin Jakobsson, Karen Marks**... - e-mail address:... [Martin.Jakobsson@geo.su.se](mailto:Martin.Jakobsson@geo.su.se), [Karen.Marks@noaa.gov](mailto:Karen.Marks@noaa.gov)

Principal goals or priorities for your group	Current or expected gaps and needs that may prevent completion of tasks on time	Any amplifying comments
Request Scripps Oceanographic Institution to release SRTM15 to GEBCO for incorporation into the GEBCO Grid. (GGC32-07) Jakobsson, Tani	In progress	
Appoint new Science Day convener GGC32-23	Completed	Tim Kearns and Jaya Roperez accepted Joint Appointment
Appoint a Vice-Chair for the TSCOM GGC32-10 Marks	In progress	
Release article for GEBCO_2014	Completed	Published in AGU's Earth and Space Science, Aug. 2015, DOI: 10.1002/2015EA000107
Post formal recognition and thanks to Science Day Convener on GEBCO website GGC32-25 Marks, Weatherall	Completed	Formal recognition of Paul Elmore posted on GEBCO website under News and Events
Joint TSCOM/SCRUM Meeting Oct. 2015	Completed	Held in Kuala Lumpur, Malaysia, Oct. 2015
Joint TSCOM/SCRUM Meeting Oct. 2016	Organize meeting and preparation	Valparaiso, Chile Oct. 2016
GEBCO Science Day 2015	Completed	Held in Kuala Lumpur, Malaysia, Oct. 2015
Planning of Arctic and Antarctic mapping meeting in Monaco, June 12-13	Ongoing	Meeting/workshop potential participants are invited. This is a coordinated IBCAO/IBCSO activity

## SCUFN REPORT

Overall status of the work programme of .....**GEBCO/SCUFN**

Compiled by ...**Hans Werner Schenke** - e-mail address: [hwschenke@t-online.de](mailto:hwschenke@t-online.de)

<b>Principal goals or priorities for your group</b>	<b>Current or expected gaps and needs that may prevent completion of tasks on time</b>	<b>Any amplifying comments</b>
Conducting the annual SCUFN-Meeting	None Membership monitoring.	12 – 16 Oct 2015 Niteroi, SCUFN-28 Report is available
Development of S-100 Product Specification for UFN	Coordination between stakeholders and subject matter experts. Need to establish a realistic roadmap prior to any UFN database modelling.	Should be put on the agenda SCUFN-29. Canada volunteered to lead the action.
Maintenance and improvement of the GEBCO Gazetteer	Under work by IHB and NOAA/NCEI. Maintenance of the Gazetteer interface in the future to be discussed at SCUFN-29 as NOAA/NCEI not sure to be able to continue its support.	Definition of the geometric primitives for all undersea feature, monitoring of pending names, quality control of the database, interface with other geospatial portals.
Promotion on SCUFN-activities in international periodicals	Publication is under prep.	Publication of new developments and web-applications in undersea feature nomenclature
Development of an experimental fast-track procedure to review “already-chartered and named” undersea features	Role and responsibilities of national geographical boards in their waters under national jurisdiction.	none

## SRWG REPORT

Overall status of the work programme of **SRWG**

Compiled by: **Andrew Millard** - e-mail address: [andrew.millard@ukho.gov.uk](mailto:andrew.millard@ukho.gov.uk)

<b>Current goals and priorities</b>	<b>Current or expected gaps and needs</b>	<b>Comments</b>
In accordance with ToR of the SRWG:		
Review proposed revised draft regulation  Review implementation plan  Review proposed job descriptions for directors under new structure	Revised draft regulations received from the President on 22 November 2015. SRWG met by telephone conference and provide our comments back to the President on 4 January 2016. We are waiting to hear back on these comments. The President informed me on 30 January 2016 that travel commitments was causing a delay in his response but hopefully we will be able to move to an agreed regulation document and job descriptions by the end of April 2016 in accordance with the revised timetable agreed between the President and SRWG	

**RESPUESTAS DE LOS ESTADOS MIEMBROS A LA CC. de la OHI N° 66/2015**

**ARGENTINA**

Al respecto, estoy de acuerdo con la necesidad de realizar análisis periódicos con la identificación de las áreas prioritarias, pero debido a la dinámica de trabajo de esta Oficina Hidrográfica, creo que no es conveniente elevar semestralmente los informes de referencia, no obstante aquellos GT y CHR que necesiten realizar alguna comunicación que consideren de importancia, podrían realizarla cuando lo consideren oportuno, fuera del período anual actualmente dispuesto.

**CHILE**

Apreciamos mucho la decisión del Comité Directivo del BHI de distribuir los comentarios que se proporcionaron en respuesta a la CC. N°7/2015, comentarios que seguimos apoyando firmemente, particularmente después de haber considerado de nuevo el bajo nivel de respuestas y el contenido de los informes.

La otra información proporcionada en los informes no identifica necesariamente las deficiencias y los problemas o necesidades o no ofrece ninguna información que requiera una acción por parte de los EMs. Por lo tanto, el proceso no parece contribuir a la mejora de la gestión de la OHI.

**MAURICIO**

Mauricio encuentra aceptable el informe sobre la situación general del programa de trabajo de la OHI a mediados del 2015.

**NIGERIA**

Este Servicio Hidrográfico (NNHO) opina que debería adoptarse el proceso de información trimestral que debería seguirse, enviando un recordatorio mensual por mail para que los Estados Miembros hagan que sea una máxima prioridad.

**ESPAÑA**

El IHM apoya la utilidad de los informes bianuales sobre las Comisiones Hidrográficas, los Comités, los Subcomités y los Grupos de Trabajo, ya que consideramos que se requiere una estrecha supervisión de sus actividades para que tengan éxito.

**SUECIA**

En general estamos de acuerdo con la conclusión de Chile y con su análisis sobre el bajo nivel de respuestas con respecto al mayor volumen de trabajo.

Sin embargo, nos gustaría estudiar este tema desde un punto de vista ligeramente diferente.

Las CHRs a menudo tienen sus propios planes de trabajo y reuniones una vez al año o cada dos años. En las reuniones de las CHRs los EMs, y también los grupos de trabajo de las CHRs, informan acerca de sus progresos en la CHR. Muchas de las actividades de las CHRs, de las que Suecia es miembro, se indican en las reuniones de las CHRs. Considerando las escasas respuestas recibidas de las CHRs por el Comité Directivo de la OHI, pensamos que muchas respuestas describen problemas a largo plazo y a menudo en términos generales. Esto podría ser señal de que un régimen de informes bianuales podría ser exagerado - en el caso de las CHRs.

Sin embargo, creemos que los órganos de la OHI, que abordan desafíos comunes y siguen planes de trabajo decididos en común con hitos claramente señalados, de interés estratégico para cada EM, podrían beneficiarse del régimen de información bianual (el IRCC y el HSSC con sus sub-órganos, GEBCO, ABLOS, etc.).

Por consiguiente, Suecia propone:

- que las CHRs informen anualmente,
- que los órganos y sub-órganos de la OHI informen dos veces al año.

**REINO UNIDO**

El RU apoya la sugerencia de Canadá de incluir las fechas límite de la OHI en su Calendario de Eventos, que se publica en el sitio Web de la OHI. Nos preocupa que sólo 4 de los 15 Comisiones Hidrográficas Regionales hayan contestado al informe. Destacar las fechas límite de la OHI en su Calendario de Eventos ayudará a mejorar la implicación de las Comisiones Hidrográficas Regionales, pero otras sugerencias adicionales de mejoras relativas a la implicación de las CHRs por parte de los Estados Miembros y del BHI también serían beneficiosas.