



ORGANIZACION HIDROGRAFICA INTERNACIONAL

Dossier del BHI No. S3/8151/HSSC

CIRCULAR No. 37/2009
15 de Junio del 2009

**1ª REUNION DEL COMITÉ DE NORMAS Y SERVICIOS
HIDROGRAFICOS DE LA OHI (HSSC),
22-24 de Octubre del 2009, Singapur**

Referencias:

- 1) Circular del BHI No. 89/2008 del 13 de Noviembre: *Coordinación regional de los parámetros de compilación de las ENC's. Recomendación del modelo de la CHMB.*
- 2) Circular del BHI No. 90/2008 del 13 de Noviembre: *Grupo de Estudio francés sobre la Normalización de las líneas de costa.*
- 3) Circular del BHI No. 91/2008 del 13 de Noviembre: *Invitación a participar en el Grupo de Correspondencia de la RCTA sobre la Certificación de la Cadena de Suministro de Datos.*
- 4) Circular del BHI No. 92/2008 del 14 de Noviembre: *Grupo de Trabajo de CHRIS sobre la Actualización de ENC's.*
- 5) Circular del BHI No. 93/2008 del 17 de Noviembre: *Revisión de las nuevas Resoluciones Técnicas de la OHI por el CHRIS.*
- 6) Circular del BHI No. 94/2008 del 18 de Noviembre: *Estructura de la OHI efectiva a partir del 1 de Enero del 2009.*
- 7) Circular del BHI No. 106/2008 del 15 de Diciembre: *20ª Reunión del CHRIS, Niteroi, Río de Janeiro, Brasil, 3-7 de Noviembre del 2008.*
- 8) Circular del BHI No. 5/2009 del 15 de Enero: *Publicación S-64 de la OHI: "Colecciones de Datos de Pruebas para ECDIS de la OHI", Nueva Edición 1.1, Diciembre del 2008.*
- 9) Circular del BHI No. 11/2009 del 17 de Febrero: *Revisión de las Resoluciones Técnicas de la OHI por el CHRIS - Grupo 1 de 4.*
- 10) Circular del BHI No. 12/2009 del 17 de Febrero: *Revisión de las Resoluciones Técnicas de la OHI por el CHRIS - Grupo 2 of 4.*
- 11) Circular del BHI No. 21/2009 del 31 de Marzo: *3ª Conferencia Internacional sobre ECDIS y Exposición, Singapur, 19-21 de Octubre del 2009.*
- 12) Circular del BHI No. 24/2009 del 14 de Abril: *Acreditación del Grupo de Armonización de las ENC's Interiores (IEHG) como OING Observadora en la OHI.*
- 13) Circular del BHI No. 29/2009 del 28 de Abril: *Revisión de las Resoluciones Técnicas de la OHI por el CHRIS - Grupo 2 de 4.*
- 14) Circular del BHI No. 30/2009 del 29 de Abril: *Revisión de las Resoluciones Técnicas de la OHI por el CHRIS - Grupo 3 de 4.*
- 15) Circular del BHI No. 32/2009 del 12 de Mayo: *Suplemento No. 2 de la S-57 de la OHI - Anuncio de Publicación de Documento.*
- 16) Circular del BHI No. 34/2009 del 19 de Mayo: *S-52 - Especificaciones para el Contenido de Cartas y Aspectos de Presentación del ECDIS - Proyecto de 6ª Edición - Solicitud de Información a las Partes Asociadas.*

Estimado(a)s Director(es/as),

1. La 1ª Reunión del Comité de Servicios y Normas Hidrográficas de la OHI (HSSC-1) se celebrará **del 22 al 24 de Octubre del 2009, en Singapur**. La reunión HSSC-1 se celebrará inmediatamente después de la 3ª Conferencia Internacional sobre ECDIS (ver www.ecdis09.com), que será del 19 al 21 de Octubre en el mismo lugar. Una reunión del Grupo Director del HSSC, que incluirá a todos los presidentes de los GTs del HSSC, tendrá lugar en la tarde del 21 de Octubre.

2. El HSSC fue creado el 1 de Enero del 2009 en el marco de la nueva estructura de los comités de la OHI. En efecto, el HSSC ha aceptado un rol ampliado, anteriormente desempeñado por el Comité sobre Requerimientos Hidrográficos para Sistemas de Información (CHRIS). La 20ª y última reunión del CHRIS se celebró en Octubre del 2008. Esta Circular proporciona información sobre el estado actual de las acciones resultantes de la 20ª Reunión de CHRIS (Niteroi, RJ, Brasil, 3-7 de Noviembre del 2008); y propone además un proyecto de Orden del Día para la reunión HSSC-1.

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3. Lugar y Alojamiento. Ambas, la 1ª Reunión del HSSC y la Conferencia sobre ECDIS, se celebrarán en el "Regent Hotel" (ver www.regenthotels.com/singapore). Información sobre el hotel y un formulario de inscripción a la HSSC-1 han sido incluidos en la sección del HSSC del sitio Web de la OHI (www.iho.int → *Committees & WGs* → *HSSC*). Se adjuntan también en los **Anexos A y B**, respectivamente. Los participantes deberán efectuar ellos mismos sus reservas de hotel lo antes posible. Los formularios de inscripción a la HSSC-1 deberán ser sometidos **antes del 30 de Agosto del 2009**.
4. Acciones resultantes de la 20ª Reunión de CHRIS. El estado de todas las acciones resultantes de la 20ª reunión del CHRIS se ha resumido en el **Anexo C**. Algunas acciones siguen aún pendientes. Se ruega a aquellas personas designadas para llevar a cabo las acciones que están pendientes a que tomen las medidas oportunas y que informen sobre su estado lo antes posible al Secretario del HSSC en la siguiente dirección: mhuet@ihb.mc.
5. Proyecto de Orden del Día para la HSSC-1. Se adjunta en el **Anexo D** un Orden del Día provisional para la HSSC-1. Los documentos asociados, de conocerse, se han enumerado. Se ruega a los Estados Miembros que revisen el proyecto de Orden del Día y que proporcionen todo comentario o propuesta de nuevos puntos para el Orden del Día al Secretario, con copia al Presidente, a la siguiente dirección: vaughan.nail@UKHO.gov.uk, **antes del 31 de Julio del 2009**. Un proyecto revisado de Orden del Día será preparado entonces y publicado en el sitio Web de la OHI.
6. Fecha límite de sumisión de documentos para la reunión HSSC-1. Los documentos que deben ser examinados durante la HSSC-1, deberán ser sometidos al Secretario, de acuerdo a las instrucciones para la sumisión de Informes y Propuestas que deberán ser examinados por el HSSC.
7. Todos los documentos serán incluidos en el sitio Web de la OHI a medida que se vayan recibiendo.

	Fecha límite de sumisión
Documentos como apoyo de los puntos del Orden del Día (incluyendo informes de los Presidentes de los GTs y propuestas de nuevos puntos del programa de trabajo)	Antes del 3 de Septiembre del 2009 (7 semanas antes del inicio de la reunión)
Documentos proporcionando comentarios o enmiendas sugeridas a las propuestas contenidas en los documentos de la reunión <u>Dichas sumisiones suplementarias deberán contener un máximo de 4 páginas</u>	no más tarde del 1 de Octubre del 2009 (3 semanas antes del inicio de la reunión)

Los documentos recibidos después del 1 de Octubre del 2009 serán tratados como documentos informativos únicamente.

8. La lista actual de miembros y observadores del HSSC se adjunta en el **Anexo E**. Todas las enmiendas propuestas deberán ser enviadas al Secretario, a la primera ocasión.
9. El Comité Directivo desea dar las gracias, en nombre del HSSC y del BHI, a la *Autoridad Marítima y Portuaria* de Singapur por haber organizado la HSSC-1.

En nombre del Comité Directivo
Atentamente,

Capitán de Navío Robert WARD
Director, BHI

Copia a : Organizaciones Internacionales no Gubernamentales acreditadas;
Presidentes de GTs del HSSC.

Anexos (*en Inglés únicamente*)

- A. *Hotel Accommodation*
- B. *HSSC-1 Registration Form*
- C. *List of Actions from CHRIS-20 and Status Report*
- D. *Draft Agenda and Timetable*
- E. *HSSC - List of Members and Observers*

1st IHO-HSSC Meeting
The Regent Hotel, Singapore, 22-24 October 2009

HOTEL ACCOMMODATION

[Form to be sent asap to the selected hotel. See websites below. Please indicate "for HSSC-1" on your sending.]

Hotel choice	Website	Room Type	Single / Twin
The Regent Hotel ⁽¹⁾	www.regenthotels.com/singapore	Deluxe	S\$ 265 ++
Hotel Grand Central ⁽²⁾	www.grandcentral.com.sg	Premium	S\$ 170 ++
Garden Hotel ⁽²⁾	www.gardenhotel.com.sg	Deluxe	S\$ 120 ++

⁽¹⁾ Place of HSSC-1

⁽²⁾ Supporting Hotel

Note: The boxes will expand as you type your answers

Guest Particulars

Name (Prof. / Dr. / Capt. / Mr. / Ms.)

Designation
Organization

Mailing Address

Tel

Fax

Email

Reservation details

Hotel

Type of Room : Single / Twin

No. of Nights

Check-in Date
Check-out Date

Arrival Flight / Time
Departure Flight / Time

Payment Declaration

I wish to pay by

Annex

Visa

Master

Card No.

Expiry Date

Cardholder's Name

Signature

Date

Terms and Conditions

1. All reservations will be subjected to availability and on a first-come-first-served basis.
2. Rates quoted are subjected to 7% Goods and Services Tax and 10% Service Charge.
3. Cancellations must be made in writing. No cancellation charge will be levied for cancellation, made before 1 September 2009. For cancellations after 1 September 2009 charge for one room-night will be imposed.

1st IHO-HSSC Meeting
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REGISTRATION FORM

*[Please send this via e-mail to "Ms Petrina Tay" <Petrina_Tay@mpa.gov.sg>
copy to "Michel Huet" <mhuet@ihb.mc> by 30 August 2009]*

Note: The boxes will expand as you type your answers

Member State /
Organization

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1. Contact Details:

Head or Member
Rank of Title
Last Name (Family Name)*
First Name
Position / Job title / Role
Nationality
Telephone
E-mail
Accompanying person(s)

* Underline the name generally used in case of doubles surnames as in Spanish-speaking countries

2. Travel Details (for administrative purposes only; participants are expected to make their own travel arrangements):

Your Arrival at Singapore
International Airport

Date	
Flight Number	
Airline	
Arrival Time	

Your Departure from Singapore
International Airport

Date	
Flight Number	
Airline	
Departure Time	

3. Hotel Information (for administrative purposes only; participants are expected to make their own accommodation arrangements)

Selected Hotel

	Yes or No?
1. The Regent Hotel	
2. Hotel Grand Central	
3. Garden Hotel	
4. Other	Name of other hotel

Comments
Date

LIST OF ACTIONS FROM CHRIS-20 AND STATUS REPORT

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	STATUS (Jun. 09)
4.2	ECDIS software maintenance	20/1	IHB to submit a supporting paper to NAV55 on the relevance of software maintenance in ECDIS (based on the previous submission to NAV53)	Not done. Noting IHO paper already submitted to earlier meetings, IHB advised to make verbal interventions at NAV55 as required and to participate in any drafting groups.
4.3	Use of ISO standards	20/2	IHB to seek confirmation from ISO that relevant ISO standards can be used in relation to S-100 without copyright restrictions.	In progress. ISO require an estimate of the amount of ISO copyright material contained in S-100. This information is not available until S-100 documentation is approved.
4.5	IEC 62376 & ECS standards	20/3	IHB to invite MS to consider contacting their IEC representatives and providing input to the consideration / acceptance of IEC 62376 - ECS Standard.	The closing date for final voting on IEC62376 was 5 December 2008. This was too soon after CHRIS-20 for IHB to release a CL and expect HOs to react and provide any meaningful input to their respective standards organizations. Therefore a CL was not issued.
4.6	Length of coastline	20/4	France to further study the feasibility of a standardised approach to the determination of the length of coastlines and report to HSSC-1.	In progress
4.6	Length of coastline	20/5	IHB to invite MS to participate in the study led by France on the determination of the length of coastlines.	Done: CL 90/08.
5.1	Dynamic tides in ECDIS	20/6	TSMAD in consultation with TWLWG, CSMWG and other relevant HO bodies to develop proposals to enable the use of tidal and water height information to adjust charted depths in S-57 based ECDIS equipment for consideration by HSSC-1.	In progress
5.1	Data Supply Chain Certification	20/7	IHB to encourage MS to participate in the RTCA Correspondence Group on Data Chain Certification Concept.	Done: CL 91/08.
5.1	Data Supply Chain Certification	20/8	RTCA Correspondence Group to liaise with DPSWG.	Done. Chair DPSWG is member of the corresp. group
5.1	Data Supply Chain Certification	20/9	RTCA Correspondence Group Leader to report on progress to HSSC-1.	Progress report provided to IRCC-1, 5 June 09
6.1	Product Specification for digital paper charts	20/10	IHB to invite the Nordic Hydrographic Commission (NHC) to report to HSSC-1 on the results of the Improved Data Exchange Working Group and the possible need for an S100-based data exchange standard for paper charts.	Not known
6.1	S-57 temporal attribution	20/11	IHB to issue a "warning" CL to MS and NGIOs regarding issues relating to S-57 temporal attribution and "master / slave" relationships, taking into account CHRIS20-WP1.	Done. Addressed through issue of CL32/2009
6.1	S-57 temporal attribution	20/12	TSMAD to issue an encoding bulletin regarding issues relating to S-57 temporal attribution and "master / slave" relationships, based on CHRIS20-WP1.	Done: EB24 (Apr 09) on IHO website.

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	STATUS (Jun. 09)
6.1	S-57 temporal attribution	20/13	TSMAD to urgently consider by correspondence revisions to S-57 temporal attribution and "master / slave" relationships, taking into account CHRIS20-WP1.	Done: See CL 32/09
6.1	S-57 temporal attribution & CATZOC	20/14	As soon as practicable and subject to no adverse findings from TSMAD, volunteer MS's may wish to submit a late proposal to 4EHC seeking approval for an amending Supplement to S-57 (S-57 3.1.2) containing revisions to S-57 temporal attribution and "master/slave" relationships which would also include amendments to CATZOC parameters and definitions (see Action 20/25).	Done by correspondence: See CL 32/09.
6.1	Geospatial Information Registry	20/15	IHB to develop a proposal to the 4 th EHC for the long-term support and governance of the GII, taking into account CHRIS20-WP3 (to be combined with Action 20/16).	Deferred with agreement of Chairman; matter to be considered further at HSSC-1.
6.1	Adoption of S-100	20/16	IHB to develop a proposal for consideration by the 4 th EHC to adopt S-100 as a live standard.	Being addressed by correspondence.
6.1	T & P Notices for ENC updating	20/17	IHB to issue CL inviting MS to participate in the ENC Updating Working Group (EUWG), based on CHRIS20-WP2.	Done: CL 92/08.
6.1	ENC consistency	20/18	TSMAD to review S-65 Appendix A – <i>Recommendations for Consistent ENC Data Encoding</i> and revise as necessary to take into account the practical experience of Canada and the BSHC (see CHRIS20-06.1D and CHRIS20-06.1F) regarding the regional implementation of the guidelines.	In progress by IC-ENC
6.1	ENC consistency	20/19	IHB to draw MS attention to the BSHC regional model for the implementation of S-65 Appendix A - <i>Recommendations for Consistent ENC Data Encoding</i> and the endorsement of WEND and CHRIS regarding this approach.	Done: CL 89/08.
6.3	Linear depth areas	20/20	TSMAD to release an Encoding Bulletin on discontinuing the encoding of linear depth areas from 1 January 2009.	Done: EB23 (Dec 08) on IHO website.
6.3	Revision of S-52	20/21	DIPWG to undertake a revision of S-52, including all annexes.	Done: See CL 34/09.
6.3	Pick report	20/22	DIPWG to further develop pick report as proposed in HSSC1-06.3A.	Will be undertaken when NP information modelling by SNPWG is completed.
6.5	INT chart coordinators	20/23	CSPCWG to develop ToR / RoP for INT Chart Coordinators.	TBD
6.5	Small/medium ENC schemes	20/24	CSPCWG to develop guidelines for preparation & maintenance of small / medium scale ENC schemes.	TBD
6.6	CATZOC definitions	20/25	IHB and Chair TSMAD to bring amended CATZOC definitions into force through a supplement to S-57. (See also Action 20/14)	Done: See CL 32/09.
6.7	MSDI at EIHC-4	20/26	IHB to prepare a proposal for the 4 th EHC based on the MSDIWG report and CHRIS20-WP4.	Done: See CCL5
6.8	Inland waters at EIHC-4	20/27	IHB to prepare a proposal for the 4 th EHC based on the HCIWWG report and CHRIS20-WP5.	Done: See CCL5
6.8	Definition for 'navigable inland waters'	20/28	Hydrographic Dictionary WG to consider developing a definition for "navigable inland waters".	Done. Ready for HSSC consideration.
7.1	Hydro-related MIO register	20/29	TSMAD to further develop the infrastructure described in CHRIS20-06.1B Annex A for the governance and management of the GII, to decide if a hydro-related MIO register is to be created, and report to HSSC-1.	In progress

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	STATUS (Jun. 09)
7.1	OEF Orphan S-57 objects / attributes	20/30	TSMAD in consultation with OEF to propose arrangements to HSSC-1 that accommodate the "miscellaneous" S-57 objects currently registered on the OEF	In progress
7.1	Outreach functions	20/31	IHB and Chair TSMAD to review ToRs and RoPs for TSMAD to ensure that the proposed TSMAD outreach functions outlined in CHRIS20-07.1C are addressed.	TSMAD Chair has determined that there are no amendments required .
8.1	Revision of M-3 TRs	20/32	IHB to circulate all CHRIS recommendations on M-3 Technical Resolutions to MS for approval.	In progress: See CLs 93/08, 11/09, 12/09, 29/09 & 30/09.
9.1	ToRs / RoPs & WP for HDWG	20/33	Hydrographic Dictionary WG to propose ToRs, RoPs and Work Plan to HSSC-1.	Done. Ready for HSSC consideration.
9.1	WP for TWLWG	20/34	Tidal and Water Level WG to propose Work Plan to HSSC-1.	Done. Ready for HSSC consideration.
11	Maintenance of S-66	20/35	IHB to invite the PRIMAR / IC-ENC Joint Information WG (JIWG) to maintain S-66 <i>Facts about Electronic Charts and Carriage Requirements</i> on behalf of HSSC as owner of S-66.	Done. Letter sent to leader of JTEWG in Jan 09
12	Next meeting	20/36	IHB to confirm and promulgate arrangements for HSSC-1.	Done: Singapore, 22-24 October.

1st IHO-HSSC Meeting
The Regent Hotel, Singapore, 22-24 October 2009

DRAFT AGENDA AND TIMETABLE

Wednesday 21 Oct	HSSC CHAIR GROUP
1400	Chair Group meet at The Regent Hotel Lobby
1405 - 1700	HSSC Chair Group Meeting (HSSC Chairs only)
Thursday 22 Oct	DAY 1 of HSSC-1
0900	1. Opening and Administrative Arrangements <i>Docs: HSSC1-01A List of Documents</i> <i>HSSC1-01B List of Participants</i> <i>HSSC1-01C HSSC – Members and Observers List</i> <i>HSSC1-01D Terms of Reference for HSSC and related Working Groups</i>
0915	2. Approval of Agenda <i>Docs: HSSC1-02A Agenda and Timetable</i>
0930	3. Matters arising from Minutes of 20th CHRIS Meeting <i>Docs: HSSC1-03A Minutes of CHRIS-20</i> <i>HSSC1-03B Status of Actions List from CHRIS-20 (IHB)</i>
1030	Coffee Break
1100	4. Decisions of other bodies affecting HSSC 4.1 4th Extraordinary International Hydrographic Conference <i>Docs: HSSC1-04.1A Outcomes from the 4th Extraordinary International Hydrographic Conference, Monaco, 2-5 June 2009 (IHB)</i>
	4.2 IMO <i>Docs: HSSC1-04.2A Report on IMO activities affecting HSSC (IHB)</i>
	4.3 ISO-TC211 (Geographic Information-Geomatics) <i>Docs: HSSC1-04.3A Report on ISO-TC211 activities affecting HSSC (B. Greenslade)</i>
	4.4 NATO-DGIWG (Digital Geographic Information W.G.) <i>Docs: HSSC1-04.4A Report on IHO Liaison with DGIWG (B. Greenslade)</i>
	4.5 IEC-TC80-WG7 (ECDIS and ECS) <i>Docs: HSSC1-04.5A Report on IEC-TC80-WG7 activities affecting HSSC (Secretary TC80)</i>

1200	5. Liaison with External Stakeholders
	5.1 Open ECDIS Forum Docs: HSSC1-05.1A <i>Progress Report on the migration of IHO functions currently operated on the OEF, to other IHO-sponsored servers (L. Alexander, USA-UNH and M. Huet, IHB)</i>
1230	Lunch
1400	6. Reports by HSSC Working Groups 6.1 Transfer Standard Maintenance and Application Development (TSMAD) Docs: HSSC1-06.1A <i>Report and Recommendations of TSMAD (B. Greenslade, UK, Chair)</i>
1530	Official Photograph
1540	Coffee Break
1600	6.1 Transfer Standard Maintenance and Application Development (TSMAD) (continued)
1730	END OF DAY 1
Friday 23 Oct	DAY 2 of HSSC-1
0900	6.2 Data Protection Scheme (DPSWG) Docs: HSSC1-06.2A <i>Report and Recommendations of DPSWG (J. Pritchard, UK, Chair)</i>
0930	6.3 Digital Information Portrayal (DIPWG) Docs: HSSC1-06.3A <i>Report and Recommendations of DIPWG (C. Harmon, USA-NOAA, Chair)</i>
1000	6.4 Standardization of Nautical Publications (SNPWG) Docs: HSSC1-06.4A <i>Report and Recommendations of SNPWG (D. Acland, UK, Chair)</i>
1030	Coffee Break
1100	6.5 Chart Standardization and Paper Chart (CSPCWG) Docs: HSSC1-06.5A <i>Report and Recommendations of CSPCWG (P. Jones, UK, Chair)</i>
1130	6.6 Data Quality (DQWG) Docs: HSSC1-06.6A <i>Report and Recommendations of DQWG (C. Howlett, UK, Chair)</i>
1200	6.7 Marine Spatial Data Infrastructure (MSDIWG) Docs: HSSC1-06.7A <i>Report and Recommendations of MSDIWG (Chair)</i> HSSC1-06.7B <i>MSDI Guidance Document</i>
1230	Lunch
1400	6.8 Tidal and Water Level (TWLWG) Docs: HSSC1-06.8A <i>Report and Recommendations of TWLWG (S. Gill, USA-NOAA, Chair)</i>
1430	6.9 Hydrographic Dictionary (HDWG) Docs: HSSC1-06.9A <i>Report and Recommendations of HDWG (J. Mills, USA-NOAA, Chair)</i>
1500	6.10 ENC Updating (EUWG) Docs: HSSC1-6.10A <i>Report and Recommendations of EUWG (Y. Le Franc, France, Chair)</i>
1530	Coffee Break

1600	7. Inter-Organizational Bodies 7.1 Inland ENC Harmonization Group (IEHG) <i>Docs: HSSC1-07.1A Status Report on IEHG activities (Denise LaDue, USA, Co-Chair IEHG)</i>
1630	7.2 Harmonization Group on Marine Information Overlays (HGMIO) <i>Docs: HSSC1-07.2A Status Report on HGMIO activities (L. Alexander, USA-UNH, Chair)</i>
1700	7.3 IHO-IAG Advisory Board on the Law Of the Sea (ABLOS) <i>Docs: HSSC1-07.3A Status Report on ABLOS activities (C. Rizos, Australia, Chair)</i>
1730	END OF DAY 2
Saturday 24 Oct	DAY 3 of HSSC-1
0900	8. Other HSSC Business 8.1 Review of M-3 <i>Docs: HSSC1-8.1A Status Report on Revision of M-3 "IHO Resolutions" (IHB)</i>
0930	9. Review and Endorsement of HSSC Work Plan <i>Docs: HSSC1-09A Consolidated HSSC Work Plan (IHB)</i>
1000	10. HSSC Administration <i>Docs: HSSC1-10A Scheduling of HSSC and WG meetings (IHB)</i>
1030	Coffee Break
1100	11. Review of Information Papers <i>Docs: HSSC1-INF1 Status Report on IHO Standards and Specifications (IHB)</i>
o/c	12. Date and Location of Next Meeting
1230	Lunch
1400-1630	SPARE
o/c	13. Closure of the Meeting
not later than 1630	END OF DAY 3

HSSC - LIST OF MEMBERS AND OBSERVERS
(June 2009)

Member States	Name	Email
Argentina	Cdr Fabian Alejandro VETERE	fveter@hidro.gov.ar
Australia	Mr Mike PRINCE	international.relations@hydro.gov.au
Brazil	Capt Alberto P. COSTA NEVES Capt (Ret.) Wesley W. CAVALHEIRO	costaneves@ig.com.br wesley.cavalheiro@lumen-assessoria.net
Canada	<i>To be nominated</i>	
Chile	Capt Patricio CARRASCO	pcarrasco@shoa.cl
China	Mr ZHENG Hepping	hydro@msa.gov.cn
Cuba	Eng J.C. MARANTE Cabrera	internacional@geocuba.co.cu
Denmark	Mr Jens Peter HARTMAN	jepha@kms.dk
Ecuador	TNFG Marcos SANTOS CATAÑEDA	msantos@inocar.mil.ec
Estonia	Mr Tõnis SILANARUSK	tonis@vta.ee
Finland	Mr Juha KORHONEN	Juha.Korhonen@fma.fi
France	Ing en chef Jean-Luc DENIEL Mr Yves LE FRANC	deniel@shom.fr yves.le.franc@shom.fr
Germany	Dr. Mathias JONAS (HSSC Vice Chair)	mathias.jonas@bsh.de
Greece	Mr. Alexis HADJANTONIOU	dcd@hnhs.gr
India	Shri Rajesh KUMAR	incho@dataone.in
Indonesia	<i>no name provided</i>	infohid@indo.net.id
Italy	LtCdr Alessandro NOBILI	iim.crt@marina.difesa.it
Japan	Mr Toru KAJIMURA	ico@jodc.go.jp
Korea, Rep. of	Director, Nautical Charts Division	info@nori.go.kr
Mexico	Cdr Raúl MARTÍNEZ Sánchez	asunext.hidro@gmail.com
Netherlands	Mr Jan SCHAAP Mr René van GEESBERGEN	j.schaap2@mindef.nl r.v.geesbergen@mindef.nl
New Zealand	Mr Adam GREENLAND	agreenland@linz.govt.nz
Norway	Ms Lynn KOLBEINSON	lynn.kolbeinson@statkart.no
Portugal	Lt António Martins PINHEIRO	martins.pinheiro@hidrografico.pt
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South Africa	Capt Abri KAMPFER	hydrosan@iafrica.com
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