



THIS CIRCULAR LETTER INCLUDES A NOMINATION FORM

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CIRCULAR LETTER 04/2010
11 January 2010

IHO HYDROGRAPHIC SERVICES & STANDARDS COMMITTEE (HSSC)
1st Meeting, Singapore, 22-24 October 2009

- References:
- a) CL 37/2009 - *1st Meeting of the IHO Hydrographic Services and Standards Committee (HSSC), 22-24 October 2009, Singapore*
 - b) CL 70/2009 - *Recommendation by HSSC for IHO to adopt S-100 as an active standard*
 - c) CL 73/2009 - *HSSC - Hydrographic Dictionary Working Group (HDWG) - Membership*
 - d) CL 74/2009 - *Navigable Inland Waters*
 - e) CL 78/2009 - *New IHO Publication C-17*
 - f) CL 80/2009 - *New Edition of IHO Publication S-65*
 - g) CL 83/2009 - *Adoption of S-100 as an Active Standard*
 - h) CL 86/2009 - *Revision of IHO Publication S-11*
 - i) CL 87/2009 - *S-52 - Specifications for Chart Content and Display Aspects of ECDIS, Draft Edition 6.0, January 2010*
 - j) CL 91/2009 - *Navigable Inland Waters*

Dear Hydrographer,

1 The inaugural meeting of the Hydrographic Services and Standards Committee (HSSC1) was held in Singapore from 15-17 October 2009, hosted by the Hydrographer of Singapore, Dr Parry Oei. The HSSC was established on 1 January 2009 to oversee the technical program of the IHO. The committee has taken over the role of the Committee on Hydrographic Requirements for Information Systems (CHRIS) as well as assuming responsibility for other technical activities of the IHO. The meeting was attended by 72 delegates from 28 countries and 9 Non-Governmental International Organizations (NGIO's) and sister intergovernmental organizations.

2 The final minutes of HSSC1, together with all documents referred to at this meeting, are available on the IHO website (www.iho-ohi.net/mtg_docs/com_wg/HSSC/HSSC1/HSSC1Docs.htm). A list of actions arising from the meeting together with their current status is provided in **Annex A**. Most of the actions for the IHB have already been completed. The main points discussed at the meeting are summarized below.

3 **S-100 Universal Hydrographic Data Model**

The work of the HSSC's ten subordinate Working Groups was examined. Of particular note was the completion by the Transfer Standard and Applications Development Working Group (TSMAD) of a new geospatial data transfer standard - S-100, to be known as the *Universal Hydrographic Data Model - UHDM*. As a result, the HSSC decided to recommend that IHO Member States adopt S-100 as an active standard from 1 January 2010. S-100 has since been adopted (see references b and g).

4 The S-100 UHDM and its associated on-line registry, maintenance and governance infrastructure have been created specifically to encourage the widest possible use of hydrographic

and related data and products in conjunction with other geospatial datasets and applications. An important consideration for the HSSC was that the introduction of S-100 will not have any adverse impact on the production of ENC's and ECDIS that rely on the S-57 standard.

5 **S-52 and Appendix 1 to S-52**

A new edition of S-52 *Specifications for Chart Content and Display Aspects of ECDIS*, prepared by the Digital Information Portrayal Working Group (DIPWG), was endorsed by the committee. The new edition combines the previous main publication S-52 and its Annex 2 into a single document, taking into account the most recent IMO Performance Standards for ECDIS. It has since been submitted to Member States for approval under reference i, with effect from 1 March 2010.

6 The Committee agreed that the existing Appendix 1 of S-52 *Guidance on Updating the ENC* be reviewed by the ENC Updating Working Group (EUWG) and that the resulting new edition be included in publication S-65 *ENC Production Guidance*. In order to conduct this review, revised terms of reference for the EUWG were agreed. They are contained in **Annex B**. As this work will require special expertise, Member States are invited to nominate suitably experienced representatives for the new work of the EUWG by filling the response form at **Annex D**, to be returned to the IHB by 1 March 2010. Current membership of EUWG is provided on the IHO website (www.iho-ohi.net/mtg_docs/com_wg/EUWG/EUWG_MISC/EUWG_Members.pdf).

7 **S-65**

The Committee endorsed a revised list of "Specific SCAMIN Step Values for Object and Attribute Combinations" (Appendix 1 of S-65 Annex A), prepared by TSMAD. It also endorsed "Guidelines for encoding Temporary and Preliminary ENC updates", prepared by the EUWG, and that it be incorporated in S-65. The resulting new edition of S-65 has been submitted for approval to Member States under reference f.

8 **S-11**

The Committee endorsed generic terms of reference and rules of procedure for International Charting Coordination Working Groups (ICCWG), as prepared by the Chart Specifications and Paper Chart Working Group (CSPCWG), and agreed that they be incorporated in S-11 Part A - *Guidance for the Preparation and Maintenance of International Chart Schemes*. The resulting new edition of S-11 Part A has since been proposed for approval to Member States under reference h.

9 **MSDI**

The Committee endorsed an MSDI guidance document *Spatial Data Infrastructures "The Marine Dimension" - Guidance for Hydrographic Offices*, prepared by the Marine Spatial Data Infrastructure Working Group (MSDIWG). As a result, reference e proposed that Member States approve it as a new IHO publication C-17 under.

10 The Committee further approved the continuation of the MSDIWG, under the chairmanship of the USA (USA was previously vice-chair), noting that the previous chair (from UK) was no longer available to continue, and endorsed the revised MSDIWG Terms of Reference at **Annex C**. As the revised ToR may require new expertise, Member States are invited to nominate suitably experienced representatives for the continuation of MSDIWG by filling the response form at **Annex D**, to be returned to the IHB by 1 March 2010. Current MSDIWG membership is provided on the IHO website (www.iho-ohi.net/mtg_docs/com_wg/MSDIWG/MSDIWG_Misc/MSDIWG_Members.pdf).

11 **Other topics**

Other notable topics included ongoing work on revising procedures for making changes to IHO technical standards and specifications, the use of real-time tidal information in ECDIS, and future applications based on S-100 for ECDIS and also the e-Navigation concept under development by the International Maritime Organization (IMO).

Next meeting

12 The 2nd meeting of HSSC will take place in Rostock / Warnemünde, Germany, from 28-30 October 2010. HSSC2 will immediately precede the International Federation of Hydrographic Societies (IFHS) Hydro 2010 Conference (www.hydro2010.com).

On behalf of the Directing Committee
Yours sincerely,



Robert WARD
Director

Encls:	Annex A	Action List from the 1 st HSSC Meeting and Status
	Annex B	Terms of Reference for EUWG
	Annex C	Terms of Reference for MSDIWG
	Annex D	Response Form for EUWG and MSDIWG Membership

**IHO HYDROGRAPHIC SERVICES & STANDARDS COMMITTEE (HSSC)
1st Meeting, Singapore, 22-24 October 2009**

LIST OF ACTIONS FROM HSSC1 AND STATUS

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	STATUS (Jan. 10)
3	Product Specification for Digital Paper Charts	HSSC1/1	IHB/TSMAD Chair to remove Task A.9 “Develop S-57 to paper chart functionality and Print-on-Demand (POD) file transfer guidelines” from the TSMAD Work Plan.	Done
3	Data Supply Chain Certification	HSSC1/2	RTCA Correspondence Group (RTCA, Germany, Canada, Australia, USA, UK, Chile, Portugal, and Norway) invited to continue studies on Data Supply Chain Certification and provide a further report to HSSC2 with any compelling evidence on its necessity, particularly for value-added products, and a proposal for implementation within the IHO.	In progress
3	Length of coastlines	HSSC1/3	France invited to continue to lead a correspondence group on the development of a standardised approach to the determination of the length of coastlines and report to HSSC2.	In progress
3	S-66 <i>Facts about Electronic Charts and Carriage Requirements</i>	HSSC1/4	IHB to complete the revision of <i>Facts about Electronic Charts and Carriage Requirements</i> , and circulate it as an IHO publication as soon as possible	In progress
4.2	Virtual Aids to Navigation and AIS Binary Messages	HSSC1/5	IHB to monitor the development of virtual Aids to Navigation and AIS Binary Messages, in liaison with IALA, and report to HSSC2.	In progress
4.2	Cooperation with IOC-WMO JCOMM	HSSC1/6	IHB to write a letter to the IOC-WMO Joint Committee on Oceanography and Marine Meteorology (JCOMM) to encourage working relations with HSSC on matters of common interest, e.g. S-100.	Done (IHB Letter of 24 October 2009)
6.1	MEP Product Specification	HSSC1/7	IHB/TSMAD Chair to remove Work Item D “Develop Marine Environment Protection Programme based on S-100” from the TSMAD Work Plan.	Done
6.1	MEP Product Specification	HSSC1/8	IHB/SNPWG Chair to include a new low priority Work Item in the SNPWG Work Plan to address the remaining work in former TSMAD Work Item D “Develop Marine Environment Protection Programme based on S-100”.	Done
6.1	UN-DOALOS Product Specification	HSSC1/9	TSMAD to continue assisting UN-DOALOS in the development of an S-100 compliant product specification for a Law of the Sea feature code directory.	In progress

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	STATUS (Jan. 10)
6.1	UN-DOALOS Product Specification	HSSC1/10	TSMAD Chair to inform the Secretary of ABLOS of the ongoing development of an S-100 compliant product specification on a Law of the Sea feature code directory.	
6.1	Recommendations for Consistent ENC Data Encoding	HSSC1/11	IHB to include in S-65, Annex A, Appendix 1, the revised " <i>Specific SCAMIN Step Values for Object and Attribute Combinations</i> ", as contained in Annex B to HSSC1-06.1A, and seek MS approval of the resulting new edition of S-65. (see also Action HSSC1/34)	Done (CL 80/2009)
6.1	ToR/RoP for TSMAD	HSSC1/12	IHB to include in IHO Publication M-3 " <i>Resolutions of the IHO</i> ", the revised TSMAD Terms of Reference (TR K2.21), as contained in Annex A to HSSC1-06.1A.	Done
6.1	Geospatial Information Infrastructure (GII)	HSSC1/13	TSMAD to develop as a high priority work item detailed operational processes and business rules for S-100 register management and report to HSSC2.	In progress
6.1	Maintenance of IHO Standards	HSSC1/14	IHB to seek MS approval of the revised IHO Resolution A1.21 " <i>Principles and Procedures for Making Changes to IHO Technical Standards and Specifications</i> ", based on Annex C of HSSC1-06.1B, taking into account the discussions held at HSSC1 on the Hydrographic Dictionary, and other special cases, such as S-4.	In progress
6.1	Publication of S-100	HSSC1/15	IHB to seek MS approval of S-100 " <i>Universal Hydrographic Data Model (UHDM)</i> " as an active standard to be effective from 1 January 2010.	Done (CLs 70/2009 and 83/2009)
6.1	Auxiliary Informational Layer Integration	HSSC1/16	IHB/TSMAD Chair to add to the TSMAD Work Plan the following medium priority Work Item: " <i>Develop an S-10X product specification for 'Auxiliary Informational Layer Integration'</i> ".	Done
6.1	Grid referencing system for S-100	HSSC1/17	IHB/TSMAD Chair to add to the TSMAD Work Plan the following low priority Work Item: " <i>Investigate a suitable grid referencing system for S-100</i> ".	Done
6.1	Standard for the transmission of real-time tidal data	HSSC1/18	IHB/TWLWG Chair to add to the TWLWG Work Plan the following high priority Work Item " <i>Develop a Standard for the transmission of real-time tidal data</i> ".	Done
6.3	New edition of S-52	HSSC1/19	IHB to seek MS approval of Edition 6 of S-52.	Done (CL 87/2009)
6.3	Maintenance of the IHO Presentation Library	HSSC1/20	IHB to arrange contract support to continue the maintenance / improvement of the IHO Presentation Library on ECDIS and the development of the S-100 Portrayal Register.	Ongoing
6.3	ToR/RoP for DIPWG	HSSC1/21	IHB to include in IHO Publication M-3 " <i>Resolutions of the IHO</i> ", the revised DIPWG Terms of Reference (TR K2.26), as contained in Annex D to HSSC1-06.3A.	Done

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	STATUS (Jan. 10)
6.3	Maintenance of the IHO Presentation Library	HSSC1/22	IHB/DIPWG Chair to release Colours & Symbols Maintenance Document No. 7.	Done (IHB letter S3/8151/DIPWG of 12 November 2009)
6.3	Traditional symbols for ECDIS and Portrayal of nautical publications in ECDIS	HSSC1/23	IHB/DIPWG Chair to add to the DIPWG Work Plan the following Work Items " <i>Investigate enhancing the appearance of existing traditional paper chart symbols used in ECDIS by modifying their size, shape and colour</i> " (low priority) and " <i>Develop symbology for portrayal of nautical publications in ECDIS</i> " (medium priority)	Done
6.5	ToR/RoP for regional charting groups	HSSC1/24	IHB/ CSPCWG Chair to incorporate the Terms of Reference and Rules of Procedure for Regional International Charting Coordination Working Groups (ICCWG), as contained in HSSC1-06.5C, in S-11 Part A, taking into account the comments made by the Committee.	Done (CL 86/2009)
6.5	Updating the INT Chart Catalogue	HSSC1/25	IHB , on behalf of HSSC, to write to INT chart coordinators, encouraging them to forward to the IHB updates to S-11 part B " <i>Catalogue of INT Charts</i> ".	Done (CL 86/2009)
6.6	DQWG WP	HSSC1/26	Sweden invited to compile a list of parameters other than bathymetry, for DQWG to address, and report to HSSC2.	
6.7	Guidance to HOs on Marine SDIs	HSSC1/27	IHB to seek MS' approval of new IHO Publication " <i>Spatial Data Infrastructures: The Marine Dimension - Guidance for Hydrographic Offices</i> ", as contained in Annex 1 to HSSC1-06.6A.	Done (CL 78/2009)
6.7	SDI Capacity Building material	HSSC1/28	IHB to post on the IHO website the MSDI supporting information contained in Annexes 2, 3, 4 and 5 of HSSC1-06.5A.	Done
6.7	ToR/RoP for MSDI	HSSC1/29	IHB to include in IHO Publication M-3 " <i>Resolutions of the IHO</i> ", the revised MSDIWG Terms of Reference (TR K2.45), as contained in Annex G of the HSSC1 Minutes.	Done
6.9	HDWG membership	HSSC1/30	IHB to invite MS to nominate representatives for HDWG.	Done (CL 73/2009)
6.9	Inland Navigable Waters	HSSC1/31	IHB to seek MS approval of the definition for " <i>Inland Navigable Waters</i> ", as contained in Annex D to HSSC1-06.9A, as amended.	Done (CLs 74/2009 and 91/2009)
6.9	HDWG procedure	HSSC1/32	IHB to seek MS approval of amended Resolution K3.3 " <i>Hydrographic Dictionary (S-32)</i> ", as contained in Annex A to HSSC1-06.9B. IHB to adjust proposed revision of resolution A1.21 (Action HSSC1/14) to agree with amended K3.3.	In progress
6.9	ToR/RoP for HDWG	HSSC1/33	IHB to include in IHO Publication M-3 " <i>Resolutions of the IHO</i> ", the revised HDWG Terms of Reference (Resolution K2.32), as contained in Annex C to HSSC1-06.9A.	Done

AGENDA ITEM	SUBJECT	ACTION No.	ACTIONS (in bold, action by)	STATUS (Jan. 10)
6.10	Guidelines for encoding T & P ENC updates	HSSC1/34	IHB to include in S-65, as a new Annex B, the " <i>Guidelines for encoding Temporary and Preliminary ENC updates</i> ", as contained in Annex B to HSSC1-06.10A, and seek MS approval of the resulting new edition of S-65. (see also Action HSSC1/11)	Done (CL 80/2009)
6.10	Appendix 1 of S-52	HSSC1/35	EUWG to develop a revised version of Appendix 1 to S-52 " <i>Guidance for ENC Updating</i> ", for inclusion in S-65.	In progress
6.10	ToR/RoP for EUWG	HSSC1/36	IHB to include in IHO Publication M-3 " <i>Resolutions of the IHO</i> ", the revised EUWG Terms of Reference (TR K2.47), as contained in Annex A to HSSC1-06.10B.	Done
6.10	Use of S-57 New Objects in place of CNTARE	HSSC1/37	IHB/TSMAD Chair to add to the TSMAD Work Plan the following medium priority Work Item: " <i>Study the possibility to encode information features as New Objects (see S-57 supplement) to avoid caution area objects (CNTARE) in some cases, e.g. to encode T&Ps</i> "	Done
6.10	EUWG membership	HSSC1/38	IHB to invite MS to nominate suitably experienced representatives for the new work of the EUWG.	Done (CL 04/2010)
7.2	Generic Product Specification for MIO	HSSC1/39	IHB/TSMAD Chair to add to the TSMAD Work Plan the following medium priority Work Item: " <i>Develop a template Product Specification for Marine Information Overlays (MIO)</i> "	Done
7.3	ToR/RoP for ABLOS	HSSC1/40	IHB to include in IHO Publication M-3 " <i>Resolutions of the IHO</i> ", the revised ABLOS Terms of Reference (TR K2.20), as contained in Annex C to HSSC1-07.3A.	Done
9.	HSSC WP	HSSC1/41	IHB to update the HSSC Work Plan (HSSC1-09A) to include all relevant decisions of HSSC1, and post it on the IHO website.	Done
10.	ToR/RoP for all HSSC WGs - nine weeks clause	HSSC1/42	IHB to include in all HSSC WG terms of reference the " <i>nine week moratorium</i> " clause, as contained in Annex A to HSSC1-10A, and amend IHO Publication M-3 " <i>Resolutions of the IHO</i> " accordingly.	Done
11.	TALOS Manual and S-44	HSSC1/43	IHB to include C-51 " <i>TALOS Manual</i> " and S-44 " <i>IHO Standards for Hydrographic Surveys</i> " in the next issue of the " <i>Status Report on IHO Publications on Standards, Specifications and Guidelines</i> "	Ongoing
12	Next meeting	HSSC1/44	IHB and Germany to coordinate the organization of HSSC2 (Rostock, Germany, 28-30 October 2010).	In progress

M-3 K2.47

ENC UPDATING WORKING GROUP (EUWG)

Terms of Reference

Ref: 1st HSSC Meeting (Singapore, October 2009)

1. Objective

To review and update Appendix 1 to S-52 for subsequent inclusion in S-65.

2. Authority

The ENC Updating Working Group (EUWG) is a subsidiary of the Hydrographic Services and Standards Committee (HSSC) and its work is subject to HSSC approval.

3. Procedures

- a. The EUWG shall:
 - i. review and update Appendix 1 to S-52 for incorporation in S-65.
 - ii. submit a report, any recommendations, and a final draft of the revised text to the HSSC in 2010 for its consideration.
- b. The WG should work by correspondence unless a meeting is considered necessary to complete the assigned tasks. When meetings are scheduled, and in order to allow any WG submissions and reports to be submitted to HSSC on time, WG meetings should not normally occur later than nine weeks before a meeting of the HSSC.
- c. The WG should liaise with the RENC Joint Technical Experts Working Group (JTEWG) and CSPCWG.

4. Composition and Chairmanship

- a. The WG shall comprise representatives of IHO Member States (MS), Expert Contributors and Accredited NGO Observers, all of whom have expressed their willingness to participate.
- b. Member States, Expert Contributors and Accredited NGO Observers may indicate their willingness to participate at any time. A membership list shall be maintained.
- c. Expert Contributor membership is open to entities and organisations that can provide a relevant and constructive contribution to the work of the WG.
- d. The Chair of the WG shall be a representative from France. The vice-Chair shall be a representative from UK.
- e. Decisions should generally be made by consensus. If votes are required on issues or to endorse proposals presented to the WG, only MS may cast a vote. Votes shall be on the basis of one vote per MS represented. In the event that votes are required between meetings or in the absence of meetings, including for elections of a Chair or Vice-Chair, this shall be achieved through a postal ballot of those MS on the current membership list.
- f. If a secretary is required it should be a member of the WG.
- g. If the Chair is unable to carry out the duties of the office, the Vice-Chair shall act as the Chair with the same powers and duties.
- h. Expert Contributors shall seek approval of membership from the Chair.
- i. Expert Contributor membership may be withdrawn in the event that a majority of the MS represented in the WG agree that an Expert Contributor's continued participation is irrelevant or unconstructive to the work of the WG.
- j. All members shall inform the Chair in advance of their intention to attend any meetings of the WG.
- k. In the event that a large number of Expert Contributor members seek to attend a meeting, the Chair may restrict attendance by inviting Expert Contributors to act through one or more collective representatives.

M-3 K2.45

MARINE SPATIAL DATA INFRASTRUCTURES W.G. (MSDIWG)

Terms of Reference

Ref: 1st HSSC Meeting (Singapore, October 2009)

1. Objective

Support the SDI activities of the IHO.

2. Authority

This Working Group (WG) is a subsidiary of the Hydrographic Services and Standards Committee (HSSC). Its work is subject to HSSC approval.

3. Procedures

The WG should:

- a) Monitor national and international SDI activities and present information on those activities to HSSC members by correspondence and at the annual meeting.
- b) Promote the use of IHO standards and member state marine data in SDI activities.
- c) Liaise, as appropriate, with other relevant technical bodies such as the IOC, and the World Data Centres for Oceanography, Bathymetry and Marine Geophysics, to increase the visibility of marine spatial data.
- d) Propose any Technical and/or Administrative Resolutions that may be required to reflect IHO involvement in the support of SDI.
- e) Identify actions and procedures that the IHO might take to contribute to the development of Spatial Data Infrastructure (SDI) and / or MSDI in support of Member States.
- f) Determine any actions that the IHO and individual Member States might take to forge links with other bodies (e.g. OGC, ISO TC211, IOC) to ensure Member States are best placed to meet the developing challenges associated with data management and governance.
- g) Identify and recommend possible solutions to any significant technical issues related to interoperability between maritime and land based inputs to SDI, and in particular:
 - 1) Datum issues.
 - 2) S-100 interoperability with SDI.
 - 3) S-100 interoperability with oceanographic, marine biological, geological and geophysical data structures.
- h) Identify any IHO capacity building requirements.
- i) The WG should work by correspondence, and use group meetings, workshops or symposia only if required. When meetings are scheduled, and in order to allow any WG submissions and reports to be submitted to HSSC on time, WG meetings should not normally occur later than nine weeks before a meeting of the HSSC.
- j) Submit a report annually to HSSC.

4. Composition and Chairmanship

- a) The WG shall comprise representatives of Member States, Expert Contributors and Accredited NGIO Observers, all of whom have expressed their willingness to participate.
- b) Member States, Expert Contributors and Accredited NGIO Observers may indicate their willingness to participate at any time. A membership list shall be maintained and confirmed annually.
- c) Expert Contributor membership is open to entities and organisations that can provide a relevant and constructive contribution to the work of the WG.
- d) The Chair and Vice-Chair shall be a representative of a Member State. The election of the Chair and Vice-Chair should normally be decided at the first meeting after each ordinary

session of the Conference (Conference to be replaced by Assembly when the revised IHO Convention enters force) and, in such case, shall be determined by vote of the Member States present and voting.

- e) Decisions should generally be made by consensus. If votes are required on issues or to endorse proposals presented to the WG, only Member States may cast a vote. Votes shall be on the basis of one vote per Member State represented. In the event that votes are required between meetings or in the absence of meetings, including for elections of the Chair and Vice Chair, this shall be achieved through a postal ballot of those Member States on the current membership list.
- f) If a secretary is required it should normally be drawn from a member of the WG.
- g) If the Chair is unable to carry out the duties of the office, the Vice-Chair shall act as the Chair with the same powers and duties.
- h) Expert Contributors shall seek approval of membership from the Chairman.
- i) Expert Contributor membership may be withdrawn in the event that a majority of the Member States represented in the WG agrees that an Expert Contributor's continued participation is irrelevant or unconstructive to the work of the WG.
- j) All members shall inform the Chairman in advance of their intention to attend any meetings of the WG.
- k) In the event that a large number of Expert Contributor members seek to attend a meeting, the Chairman may restrict attendance by inviting Expert Contributors to act through one or more collective representatives.

**EUWG AND MSDIWG MEMBERSHIP
RESPONSE FORM**
(to be returned to the IHB by 1 March 2010
E-mail : info@ihb.mc – Fax : +377 93 10 81 40)

Note: One response is requested per Member State.

Member State:

A. ENC Updating Working Group (EUWG)

1) Based on the revised ToR at Annex B, and taking into account the current membership (www.iho-ohi.net/mtg_docs/com_wg/EUWG/EUWG_MISC/EUWG_Members.pdf), do you wish to propose a candidate as EUWG member?

YES NO

If yes, name of candidate: **E-mail:**

B. Marine Spatial Data Infrastructure Working Group (MSDIWG)

2) Based on the revised ToR at Annex C, and taking into account the current membership (www.iho-ohi.net/mtg_docs/com_wg/MSDIWG/MSDIWG_Misc/MSDIWG_Members.pdf), do you wish to propose a candidate as MSDIWG member?

YES NO

If yes, name of candidate: **E-mail:**

Comments (if required)

Name/Signature: **Date:**