

CIRCULAR LETTER 80/2003
23 December 2003

WEND ISSUES

Minutes of the 7th WEND Meeting, May 2003, Lima, Peru New WEND Principle RHC Corresponding Members to the WEND Task Group

- Ref: 1) IHB Circular Letter 67/2002 dated 20 December 2002
2) IHB Circular Letter 43/2003 dated 27 June 2003
3) IHB Circular Letter 47/2003 dated 30 June 2003
4) IHB Circular Letter 68/2003 dated 10 November 2003
5) IHO Technical Resolution K2.19 "WEND Principles"

Dear Hydrographer,

This is to report on the above issues related to the WEND Committee.

1. Seventh WEND Meeting – The Minutes of the 7th WEND Committee meeting, Lima, Peru, 15-16 May 2003, are available on the IHO website (www.iho.shom.fr > Committees > WEND). The main outcome of this meeting was the setting-up of a WEND Task Group aimed at achieving worldwide ENC coverage and updating, uniform data quality, and user-friendly and integrated ENC services. This was reported in CL 43/2003. Other important issues related to assistance in ENC production (CLs 47 and 68/2003 refer) and the ENC coverage worldwide. Regarding the latter point, Member States' responses to CL 67/2002 were compiled and presented on the IHO website. The best way to move forward on this issue is being discussed and will be on the agenda of the 8th WEND meeting which will take place in Tokyo, Japan, on 5-6 March 2004. Most of the actions resulting from WEND/7 have been completed or are being attended to, as reflected in **Annex A**.

2. New WEND Principle – CL 43/2003 asked MS to approve a proposed new WEND Principle with the following wording:

"In order to promote the use of ENCs in ECDIS, Member States should strive for the greatest possible user-friendliness of their services, and facilitate integrated services to the mariner."

CL 68/2003 reported that, although wide support had been received for this proposal, the required simple majority had not been attained, with 34 Member States' responses, all in favour, and 36 positive votes required. As a result, the response deadline given in CL 43/2003 was extended to 15 December 2003 to obtain further Member States' support. The IHB is grateful to the 11 additional MS who responded on this issue, all approving the proposal, thus making a total of 45 positive replies.

It is therefore confirmed that the proposed new WEND Principle, with wording as above, is adopted. It has been made Item 5.5 of TR K2.19, a revised version of which is in **Annex A**.

3. RHC Corresponding Members – Since CL 68/2003 was issued, some additional RHC corresponding members to the WEND Task Group have been notified to the IHB. **Annex C** provides an updated list. As you will see there are only two RHCs without C.M. and the relevant RHC Chairpersons are invited to consider identifying a suitable expert as soon as possible and to report to the IHB accordingly.

This Circular Letter is the last but one for this year (the last one being the final Cumulative List of all Circular Letters issued in 2003) and we would like to take this opportunity to wish you all a successful and prosperous year 2004.

On behalf of the Directing Committee
Yours sincerely,

(original signed)

Rear Admiral Kenneth BARBOR
Director

Encl: Annex A – Action Items from the 7th WEND Meeting
Annex B – Revised IHO Technical Resolution K2.19 "Principles of the WEND"
Annex C – RHCs' Chairpersons and WEND Task Group Corresponding Members

ACTION ITEMS FROM THE 7th WEND MEETING

Agenda Item	Subject	Actions	Action by	Status (Dec. 2003)
5	Assistance in ENC Production	1) IHB to issue a Circular Letter to match donors with requests for assistance. 2) IHB to send a letter to all chairs of RHC's concerning assistance in ENC production, suggesting that this be a standing agenda item in RHC meetings 3) IHB to lead development of ENC production information ("Cookbook") for dissemination to MS	IHB IHB IHB	<u>Ongoing.</u> Discussed at WEND TG and RHC meetings <u>Completed.</u> Requested via CL47/2003. <u>Ongoing.</u> Discussed at WEND TG meetings
6	Position of Maritime Administrations regarding the use of ECDIS	All MS/RHCs to ensure widest possible understanding of implications to IHO/IMO MS of SOLAS V implementation and intimate their national maritime authorities to state/declare their position to IMO, copy to IHB.	RHCs and Member States	<u>Ongoing.</u>
8	ENC coverage and availability	IHB to issue a CL on ENC coverage, requesting MS feedback on IHO website presentation of ENC coverage and inviting RENC/RHC/MS to provide updates on their coverage/status of ENC, in a specified format provided by IHB.	IHB	TBD
9	ENC Production Boundaries in non-National Waters	1) IHB to extend due date of CL, and seek MS support. 2) Australia & France to review comments provided thus far with an aim to possibly merging annexes (B) and (C) of CL 58/2002.	IHB Australia & France	<u>Completed.</u> Guidelines have been adopted as App. A to the WEND principles. See CLs 44 and 68/2003. Taken over by events.

11	IHO Program for a world IHO ENC	1) IHB issue CL submitting additional WEND principle to MS for approval.	IHB	<u>Done.</u> See Cls 43 and 68/2003.
		2) IHB to distribute specifications for SENC distribution, as provided by Primar-Stravanger, for consideration by MS.	IHB	<u>Completed.</u> Distributed with CL 43/2003.
		3) IHB to request RHCs to nominate a corresponding member for the WEND Task Group on IHO World ENC	IHB	<u>Completed.</u> Requested via CL 43/2003
13	Relationship with industry	IHB to enclose a copy of the International Chamber of Shipping (ICS) "Bridge Procedures Guide", concerning SOLAS V requirements for chart carriage, with minutes of the WEND/7 Meeting, for advise to maritime authorities.	IHB	TBD
16	Election of Officers	IHB to officially thank Dr. Peter Ehlers for his immense contribution to WEND	IHB	<u>Completed.</u>

IHO Publication M-3
“Resolutions of The International Hydrographic Organization”
Technical Resolutions of The IHO
Chapter K - Work of the Bureau
Section 2 - Commissions, Working Groups, and Studies

K 2.19 PRINCIPLES OF THE WORLDWIDE ELECTRONIC NAVIGATIONAL CHART DATABASE (WEND)

Revised December 2003

1. Ownership and Responsibility

1.1 A Member State has responsibility for the preparation and provision of digital data and its subsequent updating for waters of national jurisdiction.

1.2 The Member State responsible for originating the data should validate it.

1.3 A Member State responsible for any subsequent integration of a country's data into a regional, or larger, data base is responsible for validating the results of that integration.

1.4 Responsibilities for providing digital data outside areas of national jurisdiction should be established.

1.5 The INT chart system is a useful basis for areal selection.

1.6 Legal liability must be recognized by participants.

2. Cooperation and Coordination

2.1 In the interests of safety at sea and to respond to the increasing demand for ENC, Member States are encouraged to work together in establishing and maintaining a WEND system as soon as possible, to share in common experience and reduce expenditure, and to ensure the greatest possible standardization and reliability.

2.2 Terms of Cooperation Arrangement for the Northern Europe RENC may be useful in arranging transactions between other RENCs and national HOs.

2.3 HOs are strongly recommended to provide data to HO data base organizations (RENCs) pursuing data bases within the WEND concept.

2.4 Member States are encouraged to work together on data capture or management.

2.5 Neighbouring Member States are encouraged to cooperate in boundary areas.

2.6 The Member States should strive for harmonization between RENCs in respect of data standards and service practices in order to ensure the provision of consistent ENC services to users. Wherever appropriate, this should be achieved by adoption of IHO Standards.

2.7 Advantage should be taken and shared of all experience gained.

2.8 Member States planning to incorporate data that must be obtained from another Member State into an integrated data base should inform those countries well in advance.

2.9 The development of overlapping data sets from different sources should be avoided if possible.

3. Languages

The need to have data associated with different languages should be considered.

4. Standards and Quality Management

4.1 A recognized standard of quality management (e.g. ISO 9000) should be employed to ensure a high quality of the ENC services.

4.2 There should be compliance with all relevant IHO and IMO standards and criteria (including IHO S-57, IHO S-52, or their replacements).

5. Distribution

5.1 Distribution of products may be separate from the data base management.

5.2 Methods to be adopted should ensure that data bear a stamp or seal of approval of the issuing HO.

5.3 Member States should work together in safeguarding national copyright in ENC data to protect the mariner from falsified products.

5.4 When an encryption mechanism is employed to protect data, a failure of contractual obligations by the user should not result in a complete termination of the service. This is to assure that the safety of the vessel is not compromised.

5.5 In order to promote the use of ENCs in ECDIS, Member States should strive for the greatest possible user-friendliness of their services, and facilitate integrated services to the mariner.

6. Updating

6.1 Technically and economically effective solutions for updating should be established.

6.2 National HOs providing source data are responsible for advising the issuing HO of update information in a timely manner.

6.3 The issuing HO is responsible for providing timely updates to the ENC for the mariner.

6.4 Updating information to regional or greater area ENC datasets should be available worldwide.

7. Reimbursement and Financial Arrangements

7.1 HOs should not give commercial companies better conditions than they offer to other HOs.

7.2 Reimbursement, including financial arrangements, payment in kind etc. for providing data, should be a matter for bilateral agreement between the parties involved.

8. Assistance and Training

8.1 Member States' HOs are strongly recommended to provide, upon request, training and advice to HOs which require it to start developing their own national data base.

Appendix A to K2.19

Guidelines for the Establishment of ENC Production Boundaries

1. ENC duplication should be avoided. A single ENC producing country should exist in any given area.
2. A country is normally the ENC producing country for waters within its national jurisdiction.
3. Responsibility for the production of ENC can be delegated in whole or in part by a country to another country, which then becomes the producing country in the considered area.
4. When the limits of waters of national jurisdiction between two neighbouring countries are not established, or it is more convenient to establish boundaries other than established national boundaries, producing countries should define the boundaries for ENC production within a technical arrangement. These limits would be for cartographic convenience only and shall not be construed as having any significance or status regarding political or other jurisdictional boundaries.
5. In international waters, the INT chart producer nation shall be assumed to be the producer of the corresponding ENC. Where the offshore limits of waters under national jurisdiction have not yet been established, clause 4 should apply.
6. In areas where the paper INT charts overlap, neighbouring producer nations should agree a common limit of ENC production in the overlapping areas. Cartographic boundaries should be as simple as possible. for example: a succession of straight segments and turning points corresponding to such things as meridians, parallels, or chart limits.
7. In areas of national jurisdiction for which there is no recognised ENC producer nation, the Regional Hydrographic Commission (or similar body) should determine the ENC producer nation. ENC's produced under such arrangements should be offered for transfer to the Coastal State in the event that the Coastal State subsequently develops the capacity to maintain the ENC's. Such transfer should respect the moral rights of the Coastal State and the commercial rights of the producer nation.
8. When the production limits are the official limits for national jurisdiction waters, commercial rights shall belong to the ENC producing country.
9. When the production limits are cartographic boundaries as opposed to national boundaries, the commercial rights shall normally belong to the ENC producing country but may possibly be encumbered by the payment of royalties to the relevant country through a technical arrangement (see clause 4).

IHO REGIONAL HYDROGRAPHIC COMMISSIONS (RHCs)

Chairpersons and WEND Task Group Corresponding Members (C.M.)
(December 2003)

Nordic Hydrographic Commission (NHC)

Chair: Mr. Jukka VARONEN (Finland)
WEND TG C.M.: Mr. Juha KORHONEN (Finland) Juha.Korhonen@fma.fi

North Sea Hydrographic Commission (NSHC)

Chair: Mr. Göran NORDSTRÖM (Sweden)
WEND TG C.M.: Mr. Horst HECHT (Germany) horst.hecht@bsh.d400.de

East Asia Hydrographic Commission (EAHC)

Chair: Mr. ZHANG Heping (China)
WEND TG C.M.: Mr. WANG Liangyu (China) wangliangyu@msa.gov.cn
Mr. Toru KAJIMURA (Japan) tooru-kajimura@kaiho.mlit.go.jp

US/Canada Hydrographic Commission (USCHC)

Chair: Capt. R. PARSONS (USA-NOAA) and
Mr. Denis HAINS (Canada)
WEND TG C.M.: Ms. Kathryn RIES (USA-NOAA) Kathryn.Ries@NOAA.gov

Mediterranean and Black Seas Hydrographic Commission (MBSHC)

Chair: IGA Yves DESNÖES (France)
WEND TG C.M.: Lt.Cdr. Massimiliano NANNINI (Italy) nanninim@marina.difesa.it

Baltic Sea Hydrographic Commission (BSHC)

Chair: Adm. KOMARITSYN (Russia)
WEND TG C.M.: Mr. J. KORHONEN (Finland) Juha.Korhonen@fma.fi

Eastern Atlantic Hydrographic Commission (EAHC)

Chair: VAdm D. da Silva CARDOSO (Portugal)
WEND TG C.M.: Lt.Cdr. F.MAIA PIMENTEL (Portugal) hidrografia@hidrografico.pt

South-East Pacific Hydrographic Commission (SEPHC)

Chair: Rear Admiral C. GAMARRA (Peru)
WEND TG C.M.: Lt.Cdr. J. CUNEO (Chile) jcuneo@shoa.cl

South-West Pacific Hydrographic Commission (SWPHC)

Chair: Mr. Felix MAHARAJ (Fiji)
WEND TG C.M.: Mr. J. RANDHAWA (Australia) Jasbir.Randhawa@defence.gov.au

MESO American and Caribbean Sea Hydrographic Committee (MACHC)

Chair: RAdm T.Q. Donaldson (USA)
WEND TG C.M.:

Southern Africa and Islands Hydrographic Commission (SAIHC)

Chair: Captain A. KAMPFER (South Africa)
WEND TG C.M.: Mr. S. OSBORNE (South Africa) hydrosan@iafrica.com

North Indian Ocean Hydrographic Commission (NIOHC)

Chair: RAdm K.R. SRINIVASAN (India)
WEND TG C.M.: Shri Rajesh KUMAR (India) nho@sancharnet.in

ROPME Sea Area Hydrographic Commission (RSAHC)

Chair: Dr. M.R. GHADERI (Iran)
WEND TG C.M.:

IHO Hydrographic Committee on Antarctica (HCA)

Chair: Capt. H. GORZIGLIA (IHB)

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