

**MARINE INDUSTRY<sup>1</sup>WORKSHOP**  
***“Industry Days”***  
**IHB - MONACO**  
**27-29 June 2002**

Dear Sir,

It has become obvious that regular and constant interface between the major role-players in the world of hydrography is necessary. This matter has been addressed by both the CHRIS and WEND Committees. It is as important for the views of representatives from related industry and authorities responsible for implementation of charting to be heard, as it is for those of the official producers of the data. A number of recent issues related to the provision of ENC's have, for instance, resulted in much discussion and correspondence.

The IHB Directing Committee has decided to organize another Marine Industry Workshop this year at the Bureau in Monaco. It will be held on 27-29 June 2002. It is considered that there is a need for a workshop of this nature to be held as an annual event and it is hoped that it will again facilitate the exchange of information on issues of mutual concern to all involved in provision of charts and charting information. In addition to any other subjects that may be debated, it is necessary to obtain feedback on ENC delivery mechanisms, appropriateness of ECDIS symbology and possible problems related to type-approval when using the existing approved standards. In addition, industry involved in hydrographic data collection and management have been invited and it is hoped that interesting issues will be considered in the sessions provided for this.

Invitations are extended to all who wish to attend and, in particular, to members of the TSMAD, Colours and Symbols, Technology Assessment Working Groups, as well as the IHO-IEC Harmonization Group on Marine Information Objects (HGMIO). Invitations have also been addressed directly to those representatives of related industry known to the Bureau (see list enclosed in Annex A), but should Member States wish for a particular industry representative to be present, it is requested that the Bureau be advised of their attendance. Representatives from the Type-Approval Authorities and the international maritime community have also been invited.

A draft programme/agenda for the Workshop is provided (Annex A). To facilitate the organization of the Workshop and other arrangements, those who intend participating in the Workshop are requested to advise the Bureau accordingly and are invited to provide their comments on the attached draft programme as soon as possible.

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<sup>1</sup> Industry means all those who may be affected by IHO decisions – such as equipment manufacturers, mariners, software authors, regulatory bodies, other agencies, etc.

It is intended that the main topics addressed by the Workshop will be supported by the relevant papers. Those wishing to give presentations in accordance with the programme are invited to inform the IHB at their earliest convenience. Provision of the title of the presentation as well as an abstract of the paper to be given would be appreciated. It may be necessary for the IHB to select papers, should there be insufficient time for all the presentations to be made.

Three other meetings with related interests are being organized at the IHB in conjunction with the Workshop, as follows:

- IEC TC80 Working Group 13 "Presentation of Navigation Related Information"  
24-26 June 2002 (2.5 days) – Contact: Joe RYAN ("[<Ryan, Joseph F. Capt. \(USMM\)>](mailto:Ryan,Joseph.F.Capt.(USMM))"  
[<JRyan@TheSkipr.com>](mailto:JRyan@TheSkipr.com))
- IHO CHRIS Advisory Group on an IHO approved ENC Security Scheme  
26 June 2002, p.m. (0.5 day) – Contact: Robert SANDVIK ([robert.sandvik@primar.org](mailto:robert.sandvik@primar.org))

Those interested in any of these meetings should contact the appropriate person, as listed above. Block bookings have been provisionally made in several hotels in Monaco. Those interested are requested to return the attached Hotel Reservation Form (Annex B) to the IHB before 15 May 2002. This form can also be used to accommodate the above related meetings by adjusting the dates as required. If necessary, additional hotel information can be obtained from the Bureau ([info@ihb.mc](mailto:info@ihb.mc)). General information on the area and a map of Monaco are also provided (Annex C).

We look forward to your participation in the 2002 "Industry Days".

On behalf of the Directing Committee  
Yours sincerely,



Rear Admiral Neil GUY  
Director

Encls. Annexes A to D (English only)

**MARINE INDUSTRY WORKSHOP “Industry Days”  
IHB, Monaco, 27-29 June 2002**

**Companies/Institutions Already Invited**

ADI, Australia ( <a href="mailto:geoff.hixon@adi-limited.com">geoff.hixon@adi-limited.com</a> )
ADVETO AB, Sweden ( <a href="mailto:mail@adveto.com">mail@adveto.com</a> )
AISM/IALA, France ( <a href="mailto:aismiala@easynet.fr">aismiala@easynet.fr</a> )
BARCO, Belgium ( <a href="mailto:paul.dure@barco.com">paul.dure@barco.com</a> )
BLOM ASA BLOMS OPPMALING, Norway ( <a href="mailto:industry@blom.no">industry@blom.no</a> )
BSH, Germany ( <a href="mailto:mathias.jonas@bsh.d400.de">mathias.jonas@bsh.d400.de</a> )
CARIS (Global Headquarters), Canada, ( <a href="mailto:derrick.peyton@caris.com">derrick.peyton@caris.com</a> )
CARIS B.V., Netherlands ( <a href="mailto:sales@caris.nl">sales@caris.nl</a> )
CARIS BV, Netherlands ( <a href="mailto:pschwarzberg@caris.nl">pschwarzberg@caris.nl</a> )
CARIS USA, USA ( <a href="mailto:jeremy.nicholson@caris.com">jeremy.nicholson@caris.com</a> )
CHARTWORX.COM, Netherlands ( <a href="mailto:cor@chartworx.nl">cor@chartworx.nl</a> )
CHERSOFT Ltd., UK ( <a href="mailto:Simon@chersoft.co.uk">Simon@chersoft.co.uk</a> )
CIRM ( <a href="mailto:cirm@btinternet.com">cirm@btinternet.com</a> )
C-MAP NORWAY A/S, Norway ( <a href="mailto:svanes@c-map.no">svanes@c-map.no</a> )
C-MAP, Italy ( <a href="mailto:jdetar@c-map.it">jdetar@c-map.it</a> )
CONSILIUM SELESMAR, Italy ( <a href="mailto:a.innocenti@consilium.it">a.innocenti@consilium.it</a> )
DNV, Norway ( <a href="mailto:morten.oestby@dnv.com">morten.oestby@dnv.com</a> )
EURONAV Ltd., Norway ( <a href="mailto:sales@euronav.demon.co.uk">sales@euronav.demon.co.uk</a> )
GEOGRAF A/S, Norway ( <a href="mailto:peder@geograf.no">peder@geograf.no</a> )
HITEC MARINE AUTOMATION, Norway ( <a href="mailto:olav.borgli@hitecvision.com">olav.borgli@hitecvision.com</a> )
HOLLAND INSTITUTE OF TRAFFIC TECHNOLOGY B.V (HITT), Netherlands ( <a href="mailto:veldman@hitt.nl">veldman@hitt.nl</a> )
HYDROGRAPHIC SCIENCES AUSTRALIA (HSA), Australia ( <a href="mailto:Jenny@hsa.com.au">Jenny@hsa.com.au</a> )
HYDROLINK Ltd., New Zealand, ( <a href="mailto:ksmith@hydrolink.co.nz">ksmith@hydrolink.co.nz</a> )
HYDROSERVICE AS, Norway ( <a href="mailto:jklippen@hydroservice.no">jklippen@hydroservice.no</a> )
IDON, Canada ( <a href="mailto:dobrien@idon.com">dobrien@idon.com</a> )
IIC Technologies Private Limited, USA ( <a href="mailto:info@iictechnologies.com">info@iictechnologies.com</a> )
INFORMATIQUE ET MER SA, France ( <a href="mailto:dev@informatique-mer.fr">dev@informatique-mer.fr</a> )
INFORMATIQUE ET MER, France ( <a href="mailto:ronan@informatique-mer.fr">ronan@informatique-mer.fr</a> )
INTERGRAPH Ltd., UK – Federal Systems Europe ( <a href="mailto:aritchie@ingr.com">aritchie@ingr.com</a> )
INTERNATIONAL COMMUNICATIONS AND NAVIGATION (ICAN) Ltd., Canada ( <a href="mailto:bscott@ican.nf.net">bscott@ican.nf.net</a> )
IOC ( <a href="mailto:d.travine@unesco.org">d.travine@unesco.org</a> )
KELVIN HUGUES, UK ( <a href="mailto:June.Nice@Kelvinhughes.co.uk">June.Nice@Kelvinhughes.co.uk</a> )
KONGSBERG SCANNERS AS, Norway ( <a href="mailto:sales@kscanners.no">sales@kscanners.no</a> )
KONGSBERG-SIMRAD, Norway ( <a href="mailto:jan.mikalsen@kongsberg-simrad.com">jan.mikalsen@kongsberg-simrad.com</a> )
KOREA OCEAN DEV, Korea ( <a href="mailto:chart@shinbiro.com">chart@shinbiro.com</a> )
L3 COMMUNICATIONS ELAC NAUTIK GmbH, Germany ( <a href="mailto:info@elac-nautik.com">info@elac-nautik.com</a> )
LASER SCAN, UK ( <a href="mailto:peterw@lsl.co.uk">peterw@lsl.co.uk</a> )
LASER-SCAN Inc., USA ( <a href="mailto:patty@lsiva.com">patty@lsiva.com</a> )
LITTON MARINE SYSTEMS (formerly SPERRY MARINE), USA ( <a href="mailto:jmw01@mhs.sperry-marine.com">jmw01@mhs.sperry-marine.com</a> )
MAERSK Shipping Line, Denmark ( <a href="mailto:Cphtechmarnau@maersk.com">Cphtechmarnau@maersk.com</a> )
MAPTECH Inc., USA ( <a href="mailto:Mjadkowski@worldnet.att.net">Mjadkowski@worldnet.att.net</a> )
MARITIME & COASTGUARD AGENCY, UK ( <a href="mailto:jcollins@mcga.gov.uk">jcollins@mcga.gov.uk</a> )
MARITIME INFORMATION SYSTEMS AS, Norway ( <a href="mailto:info@maris.no">info@maris.no</a> )
MORINTECH, Russia ( <a href="mailto:sab@morintech.spb.su">sab@morintech.spb.su</a> )
NAUTICAL DATA INFORMATION (NDI), Canada ( <a href="mailto:bterry@ndi.nf.ca">bterry@ndi.nf.ca</a> )
NAVINTRA (formerly ASPO SYSTEMS OY), Finland ( <a href="mailto:hannu.peiponen@navintra.fi">hannu.peiponen@navintra.fi</a> )
NAVIONICS s.p.a., Italy ( <a href="mailto:sales@navionics.it">sales@navionics.it</a> )
NIPPON AVIONICS, Japan ( <a href="mailto:m-suzuki@mX5.mesh.ne.jp">m-suzuki@mX5.mesh.ne.jp</a> )
NIPPON SOGO SYSTEM, Inc. (NSS), Japan ( <a href="mailto:eigvo@nssys.co.jp">eigvo@nssys.co.jp</a> )

OFFSHORE SYSTEMS Ltd. (OSL), Canada ( <a href="mailto:eclark@osl.com">eclark@osl.com</a> )
PANGEA S.r.l., Italy ( <a href="mailto:pangea@pangeaitaly.com">pangea@pangeaitaly.com</a> )
PC MARITIME Ltd., UK ( <a href="mailto:dedmonds@pcmaritime.co.uk">dedmonds@pcmaritime.co.uk</a> )
PC STUDIO ALPHA Ltd., Japan ( <a href="mailto:yoko@pc-alpha.co.jp">yoko@pc-alpha.co.jp</a> )
PORT OF LONDON AUTHORITY, UK ( <a href="mailto:bruce.richardson@pola.co.uk">bruce.richardson@pola.co.uk</a> )
PRIMAR, Norway ( <a href="mailto:robert.sandvik@primar.org">robert.sandvik@primar.org</a> )
QPS B.V., Netherlands ( <a href="mailto:jeeninga@qps.nl">jeeninga@qps.nl</a> )
RAYTHEON MARINE COMPANY, USA ( <a href="mailto:robert_e_gagnon@raytheon.com">robert_e_gagnon@raytheon.com</a> )
RDI EUROPE, France ( <a href="mailto:Kyria@rdieurope.com">Kyria@rdieurope.com</a> )
RNZN HYDROGRAPHIC BUSINESS UNIT, New Zealand ( <a href="mailto:hydrographer@hydrographic.co.nz">hydrographer@hydrographic.co.nz</a> )
SAFE MARINE Ltd., UK ( <a href="mailto:enquiries@safemarine.co.uk">enquiries@safemarine.co.uk</a> )
SAGE Engineering Ltd., UK ( <a href="mailto:sbailey@sage-uk.com">sbailey@sage-uk.com</a> )
SEA INFORMATION SYSTEMS Ltd., Scotland ( <a href="mailto:tonycb@sextant1.demon.co.uk">tonycb@sextant1.demon.co.uk</a> )
SEVENCS (7CS), Germany ( <a href="mailto:bue@sevencs.com">bue@sevencs.com</a> )
SODENA, France ( <a href="mailto:jch.soden@wanadoo.fr">jch.soden@wanadoo.fr</a> )
SPAWAR SYSTEMS CENTER, USA ( <a href="mailto:littlek@spawar.navy.mil">littlek@spawar.navy.mil</a> )
STN ATLAS MARINE ELECTRONICS, Germany ( <a href="mailto:michaelsen.b@stn-atlas.de">michaelsen.b@stn-atlas.de</a> )
SYSECA, France ( <a href="mailto:Patrick.Sauvin@wanadoo.fr">Patrick.Sauvin@wanadoo.fr</a> )
TERRA Corp., Japan ( <a href="mailto:sk05-tra@kt.rim.or.jp">sk05-tra@kt.rim.or.jp</a> )
THALES GEOSOLUTIONS, UK ( <a href="mailto:Gordon.Johnston@thales-geosolutions.com">Gordon.Johnston@thales-geosolutions.com</a> )
TMQ ELECTRONICS , Australia ( <a href="mailto:con@tmq.com.au">con@tmq.com.au</a> )
TOKIMEC Inc. Marine Systems Div., Japan ( <a href="mailto:t-ueno@tokimec.co.jp">t-ueno@tokimec.co.jp</a> )
TOKIMEC Inc. Marine Systems Div., Japan ( <a href="mailto:y-shimura@tokimec.co.jp">y-shimura@tokimec.co.jp</a> )
TRANSAS DATACO Ltd., UK ( <a href="mailto:janet.brown@transas.co.uk">janet.brown@transas.co.uk</a> )
TRANSAS MARINE, Russia ( <a href="mailto:Andrey.Vorobiev@transas.com">Andrey.Vorobiev@transas.com</a> )
TRANSAS MARINE, UK ( <a href="mailto:peter.mantel@transas.co.uk">peter.mantel@transas.co.uk</a> )
TRESCO ENGINEERING, Belgium ( <a href="mailto:Jo.jacobs@tresco.be">Jo.jacobs@tresco.be</a> )
TRESCO NAVIGATION SYSTEMS bvba, Australia ( <a href="mailto:Marc.Persoons@Tresco.be">Marc.Persoons@Tresco.be</a> )
UN. OF NEW HAMPSHIRE (UNH), USA ( <a href="mailto:lee.alexander@unh.edu">lee.alexander@unh.edu</a> )
UNIVERSAL SYSTEMS Ltd. (USL), Canada, ( <a href="mailto:astle@universal.ca">astle@universal.ca</a> )
USCG, USA ( <a href="mailto:Dmades@navcen.uscg.mil">Dmades@navcen.uscg.mil</a> )
W.S.V. des BUNDES, Germany ( <a href="mailto:c.oberheim@wsd-sw.wsv.de">c.oberheim@wsd-sw.wsv.de</a> )
YG Consultants, UK, ("Capt. Trevor Bailey" <a href="mailto:trevor/yg@psilink.co.uk">trevor/yg@psilink.co.uk</a> )

**Annex B to IHB CL 13/2002**

**MARINE INDUSTRY WORKSHOP “Industry Days”  
IHB, Monaco, 27-29 June 2002**

**Chair: Rear Admiral Neil GUY, IHB Director**

**DRAFT PROGRAMME AND AGENDA**

Note: Recommendations/outcomes are expected from consideration of items 3 to 12 below.

**Thursday 27 June, 9:00**

**1. WELCOME AND ARRANGEMENTS**

**2. INTRODUCTION “Have we done, and are we doing, it right?”**

*Keynote Speaker*

**C O F F E E   B R E A K**

**3. USE OF ECDIS**

- What is the future of the ENC?
- Improving the users’ perspective of the advantages of ECDIS.

**L U N C H   12:30**

**4. GLOBAL ENC PRODUCTION AND COVERAGE**

- Status of ENC coverage worldwide and appropriateness to international shipping. What can be done to expedite ENC production?
- Do the ENC’s match the requirements of the mariners (IHO WEND Study)?
- Data validation. Are the IHO list of validation checks and the available Industry validation software tools satisfactory?

**C O F F E E   B R E A K**

**5. ENC DATA DELIVERY**

- What is the best structure for data distribution to satisfy the needs for safe navigation?
- What is the experience of Industry, HO’s and others with ENC and/or SENC distribution?
- What progress has been made with the IHO ENC Security Scheme?

**Reception on the IHB Terrace, 18:00**

**Friday 29 June, 9:00**

**6. DEVELOPMENT IN DATA GATHERING**

- How can the use of multi-beam data be increased?
- What are the processing problems related to multi-beam data?
- How can the production of hydrographic data be used to accelerate the production of charts and the provision of navigational data?

**C O F F E E   B R E A K**

**7.      DEVELOPMENT AND CONTROL OF STANDARDS**

- How has Industry become more involved in the development of IHO related standards.
- When and how should IHO Standards be upgraded?
- How can the development of IHO standards and the relevant Working Groups be funded?

**L U N C H   12:30**

**8        DEVELOPMENT AND CONTROL OF STANDARDS (Contd)**

- How can the various appropriate international standards be integrated?
- What should the relationship of ECS Data Standard and ECS Equipment Standard developments be in relation to the IHO standards?

**C O F F E E   B R E A K**

**9        ADDITIONAL USES OF DATA**

- What additional uses are there for hydrographic data?
- How can we integrate the displays of ECDIS, AIS and VTS?
- Can MIO's improve the safety of navigation?

**Saturday 29 June 2002, 9:00**

**10      ADDITIONAL USES OF DATA (Contd)**

- Inland ECDIS: What progress has been made and what data is required?
- What use is made of hydrographic data in GIS applications?

**11      REGULATORY ASPECTS**

- Have the National Authorities taken action to implement the amended Chapter V of SOLAS and what are the implications if they have not?
- Should there be efforts to have ECDIS classified as a carriage requirement?

**C O F F E E   B R E A K**

**12      OPEN ECDIS FORUM**

- Discussion forums. How can we improve the use of the OEF to promote ECDIS and its fuels and what interactive forum should there be for other hydrographic aspects?

**13      CONCLUDING DISCUSSIONS**

- Recommendations for future liaison between the IHO and other role-players.

**14      CLOSURE, 12:30**

**MARINE INTERFACE WORKSHOP "INDUSTRY DAYS"  
IHB, MONACO, 27-29 June 2002**

**HOTEL RESERVATION AND ATTENDANCE FORM**

[to be returned before **15 May 2002** to  
Ms. Mollet, [info@ihb.mc](mailto:info@ihb.mc) or +377 93 10 81 40 (fax)]

*Hotel MIRAMAR - 1 Ave Président J.F. Kennedy, MC 98000 Monaco (Fax: +377 93 30 26 33)  
Price per night: Single = 92 ? - Double = 130 ? ( breakfast included)*

*Hotel TERMINUS - 9 Ave Prince Pierre, MC98000 Monaco (Fax : + 377 92 05 20 10)  
Price per night: Single = 100 ? - Double = 135 ? ( breakfast included)*

*Hotel ALEXANDRA - 35, Bld Princesse Charlotte, MC98000 Monaco (+Fax: 377 92 16 06 48)  
Price per night: Single = 100 ? - Double = 127 ? ( breakfast included)*

Name(s) of Attendee(s): .....

Organisation / Company: .....

Accompanying Person(s): YES, number / NO .....

Name of Hotel for staying: (Order of preference)	<b>MIRAMAR:</b>	<input type="text"/>
	<b>TERMINUS:</b>	<input type="text"/>
	<b>ALEXANDRA:</b>	<input type="text"/>

Visa Card / Master Card N°: .....

Valid until: .....

Single / Double Room: .....

Number of nights: ..... nights from .....

Comments, e.g. attendance to related meetings: .....

## TRAVELLING FROM NICE AIRPORT TO MONACO

Note: Prices given below are approximate and subject to change.

### Regular Helicopter Service from Nice Airport to Monaco

There is a regular helicopter service, run by the company **HELI AIR MONACO**, between Nice Airport and Monaco which is extremely practical. The journey takes 8 minutes and costs 70 ? one way, which includes transfer by minibus to your final destination in the Principality; the same minibus service will also collect you from your hotel on the day of your departure for the return journey to Nice Airport. Tickets can be bought upon arrival at Nice Airport from the Heli Air desk which is situated in the arrivals hall of the airport. The service runs all day from 0720 to 1930, 7 days a week (from Monaco to Nice); and from 08.30 to 20.55 (from Nice to Monaco).

### Taxi service

Taxis are available at all hours at Nice Airport. The journey takes approximately 1 hour - depending on traffic - and costs about 70 ?. Ideally attendees should try and share a taxi in order to reduce the cost.

### Taxi + Train

A slightly less costly option would be to take a taxi to the main Nice train station (in French "**La gare Nice-Ville**") where there is a regular train service to Monaco and beyond. Price of taxi + 2nd cl. train ticket = 22 ? + 3 ? approximately.

### Bus service

There is a regular bus service between Nice Airport and Monaco run by the company RCA (RAPIDES COTE D'AZUR) as follows:

A bus (every hour from 0750 to 1850) from Nice Airport (Terminal 1 + 2) to Monaco via the motorway (autoroute) which takes approximately 1 hour and costs 13 ? one way. The service from Monaco to Nice Airport starts with the first bus at 0605 and then runs every hour from 0655 to 1955; there are several pick-up/drop-off points in Monaco (in front of the Park Palace (Allées Lumière), Place Sainte Dévote, Place d'Armes, Fontvieille (outside the Marriot Hotel (ex-Ramada) and the Rose Gardens).

Below is a map of Monaco giving hotel locations.



