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**CIRCULAR LETTER 69/2005**  
**4 July 2005**

**ICC 2005 – 22<sup>nd</sup> INTERNATIONAL CARTOGRAPHIC CONFERENCE**  
**(La Coruña, Spain, 9-16 July 2005)**

**Nautical Chart Display by IHO Member States**  
**Presentation of Papers by HOs' Representatives**

- References: 1) IHB Circular Letter 76/2004 of 18 November 2004  
2) IHB Circular Letter 50/2005 of 13 May 2005

Dear Hydrographer,

This Circular Letter reports on the IHO participation in the 22<sup>nd</sup> Conference of the International Cartographic Association (ICA), which will be held in La Coruña, Spain from 9 to 16 July 2005, regarding the oral and poster sessions at the Conference as well as the IHO Chart Exhibition to be held alongside this event.

**Nautical Chart Display by IHO Member States**

Further to CL 50/2005, China, South Africa and USA (NOAA) have indicated that they will participate in the display and Australia that they will display additional items. Therefore, as far as the IHB is aware, the following countries will participate in the Chart Exhibition at ICC 2005:

Australia, China, Cuba, France, Japan, Korea (Rep. of),  
Slovenia, South Africa, Spain, Ukraine, United Kingdom,  
USA (NOAA) and IHB.

The Bureau thanks all the contributors to this IHO exhibition, which will show IHO products and achievements to the traditionally land cartography oriented ICA community, with special thanks to Spain who has offered to assist the IHB in mounting the IHO display items. We are also grateful to the organizers of ICC 2005 for inviting the IHO to exhibit its production, in particular the Conference Director, Mr. Ramón M. LORENZO Martinez.

As mentioned in CL 50/2005, the prize for the best exhibition, as adjudicated by an ad hoc jury, will be presented at the XVIIth International Hydrographic Conference in May 2007.

**Presentation of Papers by HOs' Representatives and the IHB**

**Annex A** summarizes IHO participation in the ICC 2005 technical sessions, which is mainly related to Theme 13 "Marine Cartography, Navigation and Ocean Mapping", with additional contributions to Theme 6 "Spatial Data Infrastructures (NSDI, GSDI and SDI) : Development, Standards, Prices And Copyright" and Theme 7 "Data Capture and Quality Assessment of Spatial Data". As you can see, the IHO will be well represented at ICC 2005 with participation by at least Croatia, Cuba, France, India, Italy, Portugal, Slovenia, Spain and United Kingdom, in addition to the IHB.

The Bureau thanks the above HOs who, through their participation, will contribute to making the work of the IHO better known. More information on ICC 2005 can be found at [www.icc2005.org](http://www.icc2005.org).

On behalf of the Directing Committee  
Yours sincerely,



Rear Admiral Kenneth BARBOR  
Director

Encl: Annex A

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Copied to:

- ICA President (Prof. Milan Konecny, Czech Republic)
- Chairman, ICA Commission on Marine Cartography (Mr. R. Furness, Australia)
- ICC 2005 Organizing Committee (Mr. Ramón Lorenzo and Ms. Pilar Sánchez-Ortiz)

**TECHNICAL SESSIONS AT ICC 2005 – IHO CONTRIBUTIONS**

**I. THEME 13 : MARINE CARTOGRAPHY, NAVIGATION AND OCEAN MAPPING**

**A. Oral Presentations**

**SESSION 1**

CHAIRMAN: Rear Admiral Kenneth Barbor (International Hydrographic Bureau, Monaco)

- *New Experiences In Nautical Chart Production in The Instituto Hidrográfico De La Marina*, Angel Chans (Spain) and José Millan (Spain).
- *Nautical Charting In Smaller Countries With Short Coastline – Troubles And Advantages*, Igor Karnicnik (Slovenia) and Dalibor Radovan (Slovenia).
- *Unlocking the Marine Data Treasure Chest*, John Pepper (United Kingdom).
- *The Use of Radar SAR Data for Oil Spill Detection and Mapping*, Samy Bouchaib, Youcef Smara, Luca Salvatori, Fabio del Frate and J. Lichtenegger (Italy)

**SESSION 2**

CHAIRMAN: Ron Furness (Australia)

- *Electronic Navigational Charts (ENC) and Spatial Data Infrastructures (SDI): Convergence Issues*, Dr. Tatiana Delgado Fernández (Cuba) and Michel Huet (IHB, Monaco).
- *Electronic Navigational Charts – Progress and Obstacles to Worldwide Coverage*, RAdm Kenneth Barbor (IHB, Monaco).
- *The Next Edition of IHO Transfer Standard S-57 (Edition 4.0)*, Dr. Lee Alexander (USA) and Michel Huet (IHB, Monaco).
- *“Multiscale ENC Data Management on Eastern Coast of the Adriatic Sea as an Archipelagic Sea Area”*, Tea Duplancic Leder and Miljenko Lapaine (Croatia).

**SESSION 3**

CHAIRMAN: John Pepper (United Kingdom)

- *Some Semiotical Aspects of Symbols Construction in Nautical Navigational Charts (At the Example of Ukrainian Large-Scale NNC)*, Anton Gordyeyev and Oleg Martschenko (Russia).
- *Indian Electronic Navigational Charts (ENC) Programme: Marching towards Self reliance*, Dr. U. K. Singh and Rajesh Kumar (India)
- *Multilingual Lexicon of Undersea Feature Types*, Mátyás Márton and András Dutkó (Hungary).
- *The Political Problem of Bi- and Multilingual Maritime and Lacustrine Names In Maps*, Prof. Naftali Kadmon (Israel)

## **B. Poster Presentations**

- *Depth Selection In Nautical Charts Production*, Radovan Solaric and G. Zvonko (Croatia).
- *The Production of Electronic Charts for Marine Transportation*, Antonio Pinheiro (Portugal).
- *Definition of one Mathematics Model for the Advance Movement In Hydrographic Surveying Works of High Precision*, Raúl Pereda García, Rafael Ferrer Torio and Manuel de Luis Ruiz (Spain).
- *Model Validity and Definition for the Heave Movement in Hydrographic Surveying Works of High Precision*, Raúl Pereda García, Rafael Ferrer Torio and Manuel de Luis Ruiz (Spain).
- *Customisation of a Field Survey Database Using ArcPad*, José-Carlos Martinez, Monserrat Bardon, Jesus Irigoyen and Eloina Coll (Spain).
- *dKart: An Optimal Way from GIS to Cartography*, Andrey Dmitriev (Norway).
- *A Reversed Production Flow Line*, John Klippen (Norway).
- *S-57/ENC Based Paper Chart Production*, John Klippen (Norway) and A. Pirozhnikov (Russia).

## **II. THEME 6 : SPATIAL DATA INFRASTRUCTURES (NSDI, GSDI AND SDI). DEVELOPMENT, STANDARDS, PRICES AND COPYRIGHT**

### **SESSION 1 “CONCEPTUAL MODELING AND SDI DEVELOPMENT”**

CHAIRMAN: Harold Moellering (USA)

- “DEVELOPING A MODELING FOR THE SPATIAL DATA INFRASTRUCTURE” Jan Hjelmager (Denmark), David Danko (USA), Antony Cooper (South Africa), Michel Huet (IHB, Monaco), Tatiana Delgado (Cuba), Henri Aalders (Netherlands), Alexander Martynenko (Russia) and Harold Moellering (USA).

### **SESSION 5 : NATIONAL SDI DEVELOPMENT-2**

CHAIRMAN: Michel Huet (IHB, Monaco)

## **III. THEME 7 DATA CAPTURE AND QUALITY ASSESSMENT OF SPATIAL DATA**

### **SESSION 6**

- “LITTO 3D” Laurent Louvart, Axel Ehrhold and Christophe Gateau (France)