



Commission 4 Official Meeting

FIG Working Week, Cairo 2005

20 April, 2005

Time 09:20 am

**Suite 4 at the Semiramis
Intercontinental, Cairo**

Topic: Meeting to discuss 2002-2006 workplan and to receive reports from the working groups.

Chair: A. Greenland, MRICS, Port of London Authority, UK.

Minutes: A. Leyzack, Canadian Institute of Geomatics, Canadian Hydrographic Service, Canada.

Attendees: Ken Allred, FIG Vice President (FIG Council and mentor for Commission 4), Canada.
Ruth Adams, Co-chair Working Group 4.2, MRICS, United Kingdom Hydrographic Office.
Svante Astermo, Chair Swedish Association of Chartered Surveyors, LOC Stockholm 2008, Sweden (Past Chair of the FIG/IHO/ICA International Advisory Board on the Standards of Competence for Hydrographic Surveyors and Nautical Cartographers).
Teo Chee Hai- Member of Working Group 4.3, Member of the Land Surveyors Board, Peninsular Malaysia.
Admiral Alexandros Maratos - President IHB, Monaco.
John McCarthy, Spatial Sciences Institute, Australasian Hydrographic Surveyors Accreditation Panel, Australia.
Keith Miller, University of the West Indies, Trinidad & Tobago
David Neale - Member of Working Group 4.3, University of the West Indies, Trinidad & Tobago.
Michael Sutherland - Chair Working Group 4.3, University of Ottawa, Canada.
Dr. Ahmed El-Rabbany - Co-chair Working Group 4.2, Ryerson University, Canada.

Regrets: Andy Armstrong- Chair FIG/IHO/ICA, International Advisory Board on the Standards of Competence for Hydrographic Surveyors and Nautical Cartographers, University of New Hampshire, USA.
Jerry Mills- Member of Working Group 4.2, NOAA, USA.

1-2. Welcome and Introduction

Adam welcomed everyone and then asked the attendees to introduce themselves.

3. House Keeping

Discussion:

- 3 Hydro Technical Sessions to be held: TS 35: Hydrography I, TS 40: Commission 4 Working Group Activities/Administering Marine Spaces and TS 45: Hydrography II in Babylon III (Floor 3).
- Signing of the new IFHS/FIG MOU to take place prior to the start of TS 35. FIG President Holger Magel, Admiral Alexandros Maratos (IHB) and John McCarthy (for Paul Hornsby IFHS), will be present for the occasion. The IFHS was formally launched at Hydro4, Galway, Ireland in November 2004. This and the May 2004 MOU between IHO and FIG are part of Commission 4's strategy for closer cooperation where IHO is an inter-governmental body, FIG is a UN recognized NGO representing all surveying professionals world wide and the IFHS represent hydrographic associations/learned societies and individuals. Adam commented on the success of the IHO/FIG relationship which has been fruitful, in particular the with respect to the IHO capacity building program. Commission 4 has been asked to participate in a meeting on capacity building in Trieste, Italy in October 2005.
- Comm 4 & 5 Dinner was successful (thanks to Nasser El-Sheimy from U of Calgary for arranging the event)

Technical Tour consisted of a visit to the Egyptian Naval Hydrographic Office in Alexandria. The EGHO are interested in FIG but have no means of networking with Commission 4 via the national member association (Egyptian Survey Authority). For clarification, Adam added that the EGHO is responsible for charting Egypt's coast and port areas while hydrography in the Suez Canal and Nile is the responsibility of separate authorities. Ahmed added that Canada assisted with the charting of the Nile a number of years ago.



4-5. Adoption of the Agenda and Minutes

- The proposed agenda was accepted.
- Adam called attention to the minutes of the previous meeting held in Athens (May 2004) which are posted on the Comm. 4 website at <http://www.fig.net/commission4/index.htm>

Michael questioned whether the relationship between his Working Group (4.3) and PCGIAP should be included in this agenda as was recognized in the Workplan minutes 7-7.1, Athens. Deferred to work plan discussion.

6-7. Workplan 2002-2006 and Oral Reports from the Work groups

Adam called attention to the workplan which is posted on the Comm. 4 website and gave an overview of progress and projections to date. He announced that Andrew had accepted the nomination to the position of chair for the 2006-2010 term and that as of the Cairo General Assembly meeting will be serving as Comm. 4 chair-elect. Adam noted that he and Andrew will be looking to the IHO and the IFHS for input. Andrew added that he would be willing to continue with the existing work groups with amendments to their ToR (Terms of Reference); that he is interested with maintaining cross commission activities if beneficial.

Svante asked if there was any interest in signing an MOU with the ICA. Ken stated that there are joint meetings between the ICA, ISPRS and IAG where FIG is to be the secretariat for the a new organisation or new MOU- Joint Board of Spatial Information Societies. Svante stated that an agreement exists for the IAB.

ACTION: Adam to contact the FIG office to see what has been done – perhaps we could establish an MOU between Comm. 4 and the ICA.

Reports from the work groups:

- **WG 4.1 Strategic Partnerships** on behalf of Adam Kerr, Adam Greenland reported that they met last week in Monaco and that the WG had been successful in achieving its objectives - MOU's have been established with IHO and IFHS. This WG will cease to exist following the 2006 FIG Congress.
- **WG 4.2 Vertical Reference Surface for Hydrography:** Ruth Adams reported that they had a successful joint meeting with Comm. 5 in Athens last year. The working group will meet next in Cairns, Australia during the Dynamic Planet conference. Output from the WG is focused on preparing two products: one a high level summary to clearly identify and justify the need for a common vertical reference surface and the other, a "how-to" hand book to include guidelines for datum transformations.
- **WG 4.3 Coastal Zone Management, Marine Cadastre and Ocean Governance:** Michael Sutherland reported that 2003-2004 were active years for the WG and that he continues to leverage the research performed at the University of New Brunswick with the assistance of WG member David Neale. Michael referred back to the presentations given in Malaysia last year at an event organized by the Permanent Committee on GIS Infrastructure for Asia and the Pacific (PCGIAP), following which there was a resolution by the PCGIAP to collaborate with FIG (Commissions 4 and 7) on the issues relating to the management of the marine environment. A formal response from FIG council is required. Teo noted that this is a great opportunity for FIG and PCGIAP to collaborate and that Ian Williamson should be approached as it is his goal to take this to the UN and that this would be a great opportunity for Comm. 4 to be involved. There was discussion that perhaps the use of the term Marine Cadastre has become contentious and that we should use something like Marine Ocean Information Management. John suggested that the use of the word cadastre may be confusing as the scope of the work goes beyond that of a cadastre ie. zoning. Adam- A continuation of the workgroup could carry the name, Administering Marine Spaces (joint workgroup with Commission 7).

ACTION: Change the name of WG4.3 to Administering Marine Spaces.

ACTION: Adam & Ken to follow-up on letter to PCGIAP to accept their resolution to collaborate with FIG.

ACTION: Adam & Ken to follow-up with FIG council regarding additional funding to support WG travel to ensure involvement in other strategic meetings to help further their work.



7. Oral Reports from the Work groups cont'd

- WG 4.4 Adam identified that **Education and CPD** can be facilitated through the Commission by attending a conference to provide CPD to students or local HO. This approach was tried at the Regional Conference in Marrakech and Adam would like to deliver at the 2005 FIG Regional Conference in Cuba. David suggested a 1/2-day trip to the university to lecture there. It can otherwise be difficult to organize seminars because of the way our conferences are setup by the LOC. Ken suggested that because of this, workshop sessions don't work. The intention for the meeting in Cuba is to collaborate with the university.

Adam thanked the Chairs for their reports and reminded everyone that the role of the Commission is to help facilitate, encourage and support the work groups.

8. Commission 4 CD

All being well, a 2004-05 Commission 4 CD will be produced this summer.

9. ACCO and the General Assembly

- Delegates and the Commissions will have an opportunity to interact at Thursday's General Assembly. Chairs and chairs-elect will be on the podium. This is an opportunity to acquire input into the 2006-2010 workplan. *Post GA Note:* Input from the delegation suggests that the commissions stay focused on what is relevant to the private sector and that their work should stay relevant to current real-world issues and what role the surveyor can play in resolving those issues.
- Ken spoke about the new Task Force on FIG Commission Structure, noting that it is good to review our reason to be from time to time. For example, the task force is looking at the number of meetings vs. available funding, the current commission structure and whether or not it is sustainable. A preliminary report will be presented in 2006 Munich Congress and the final in 2007 Hong Kong WW. Adam noted that changes (if any) will not come into effect until after the 2010 Sydney Congress.
- Adam noted that there has been continued debate on the criteria for papers to be included with the **Surveyors Reference Library**. It continues that while we would like to accept all papers, the commissions reserve the right to review submissions and to decide on whether or not they should be included.

10. Standards Network Report

- The FIG Standards Network is reviewing **ISO/CD 19130.2**, Geographic information- Sensor data models for imagery and gridded data. On behalf of Comm. 4, Andrew has reviewed the document and will submit comments relevant to hydrography at a meeting to be held during the Cairo working week. Various industry sources were informed and solicited for feedback in regard to a section of 19130 which pertains to a proposed platform reference system.

ACTION: Andrew to submit a report on his findings to Comm. 4, the Standards Network and forwarded to IHO.



11. Commission 4 Activities and Forecast

- Discussion focused on where and how to position Comm. 4 for the next term, 2006 to 2010 as well as what organisations we could contribute more to. The case of future collaboration with PCGIAP was noted. We also have an opportunity to assist the IHO in their capacity building program as well as consult with them in terms of input for the next work plan. Michael suggested moving ahead with the agenda to discuss items like future meetings so as to get a better understanding of what our future activities and forecast may be.

ACTION: All – to provide operational and technical level input to future workplan.

12. Succession Plan and Commission 4 Officers for 2006-2010

- Andrew will be taking on the role of chair of the commission and that the Commission is seeking persons to participate as officers and Work Group Chairs for 2006-2010. Adam asked that the names of candidates to be forwarded to him.

ACTION: All – communication intentions and names of officer candidates for 2006-2010.

13. Membership in FIG

This item relates to the Sister Organisation work of WG4.1, in particular the situation with ION (Institute of Navigation)-relating to discussion at ACCO and the possibility of an agreement between them and Commissions 4, 5 and 6.

14. Future Events and Comm. 4 involvement

2005

- 4th FIG Regional Conference, Havana, Cuba, September 26-29. Commission 4 would like to organise an educational seminar at this event. Perhaps 1-2 days in duration in co-operation with a university. For example the U of West Indies where David Neale could participate. Andrew suggested that Dr. El-Rabbany (Ryerson University) seminar on GPS and Navigation might be appropriate. Keith proposed a one-day workshop pertaining to something regional. Sea Level Change is topical. He has attempted to get interest from the GLOSS program - Global Sea Level Observing System. Need Caribbean representation to focus on coastal issues and could target planning offices. Application of hydrography to climate change, a broader response. It would be good to establish contacts with the Caribbean Climate Centre of Belize. Andrew suggested a couple contacts that may be able to contribute: Ron Dreyer & Associates, St. Lucia and George MacFarlane (Jamaican Canadian) with Public Works- Marine Division.
- Ruth to attend Dynamic Planet in Cairns, Australia, Aug. 23-27 to speak on the Vertical Reference Surface for Hydrography.
- PCGIAP meeting in Bali Indonesia, May 19-20. Main emphasis is the sharing of information re: devastation wrought by the tsunami. Michael asked that a report of the outcome be returned to the Commission. Teo to represent Comm. 4. Andrew stated that it would be good to communicate the role of hydrography with respect to disaster management. Michael has written on the subject. Teo reiterated that PCGIAP is an Intergovernmental Org.
- Adam stressed the importance of WG members to assess the value of attending specific meetings as related to the work group objectives and to convey that information so as to address the funding required to attend.
- SEASC - South East Asian Survey Congress, November 21-26, Brunei, Darussalam.

2006

- 5th FIG Regional Conference, Ghana, March 9-12. Promoting Land Administration and Good Governance. This conference is important to Comm 4 as IHO may be involved as part of their Capacity Building initiative.
- May- Copenhagen: Meeting of Chairs and Chairs-elect to prepare 2006-2010 work plans.
- October - FIG Congress, Munich. Adam stated that this was a flagship event and that a technical tour would be organized with the LOC.



15. AOB

Adam welcomed Admiral Alexandros Maratos upon his arrival during the meeting and noted that there will be a MOU to be signed between FIG and the IFHS during TS 35 in Cairo. Adam briefed Alexandros on yesterday's meeting with the Egyptian Hydrographic Office, regarding the briefing given on Comm. 4 activities. John asked for a brief discussion with the Admiral after the signing of the MOU.

Teo asked if there was to be a day-long hydrography day in Cuba- Adam stated that it would be held on Tuesday, 27 September.

Alexandros stated that there are demands for Hydrographers at different levels and that FIG should promote this at various institutions. The IHO can help with this.

An IHO S-44 Working Group to review the standard is to be established early next year, date to be confirmed.

Ahmed suggested that a discussion on the direction of WG 4.2 and future opportunities would be good- possibly after Ruth's presentation at the upcoming technical session.

16. Date of Next Meeting

- FIG Congress, Munich, October 2006 <http://www.fig2006.de/>

Action items: (Restated from above agenda)

ACTION: Adam to contact the FIG office to see what has been done regarding the Joint Board of Spatial Information Societies. – perhaps we could establish an MOU between Comm. 4 and the ICA.

ACTION: Change the name of WG4.3 to Administering Marine Spaces.

ACTION: Adam & Ken to follow-up on letter to PCGIAP to accept their resolution to collaborate with FIG.

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ACTION: Andrew to submit a report on his findings to Comm. 4, the Standards Network and forwarded to IHO

ACTION: All – to provide operational and technical level input to future workplan.

ACTION: All – communication intentions and names of officer candidates for 2006-2010.