

3rd NCWG MEETING
Redlands, California, USA, 16-19 May 2017

Paper for Consideration by the Nautical Cartography Working Group (NCWG)
Election of NCWG Officers

Submitted by:	IHO Secretariat
Executive Summary:	This paper reports on the nominations received by the IHO Secretariat for the position of NCWG Chair and Vice-Chair, in preparation of the election to be held at the conclusion of NCWG-3.
Related Documents:	NCWG Letter 1/2017 dated 19 January, Annex E NCWG TORs
Related Projects:	

Introduction / Background

1. Section 3.d of the Terms of Reference (TORs) of the NCWG states: *“The Chair and Vice-Chair shall each be a representative of a MS. The election of the Chair and Vice-Chair shall 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 into force) and shall be determined by vote of the MS present and voting.”*
2. As the 1st Session of the Assembly took place in Monaco, from 24 to 28 April 2017, elections for NCWG Chair and Vice-Chair have to be organized at the conclusion of the NCWG-3 meeting.
3. By NCWG Letter 1/2017 (Annex E refers), NCWG Members were invited to submit the names of candidates in advance if desired, noting that nominations from the floor may also be made at the NCWG-3 meeting.

Analysis / Discussion

4. On behalf of NCWG Members, the IHO Secretariat thanks the three Member States that responded to the NCWG Letter 1/2017 by submitting nominations: Finland, Italy and United Kingdom.
5. The nominations received as of 12 May 2017 are:
 - a. For the position of NCWG Chair: Mr **Mikko Hovi** (Finland)
 - b. For the position of NCWG Vice-Chair: Ms **Jacqueline Barone** (USA), Ms **Manuela Milli** (Italy), Mr **Nick Rodwell** (UK).
6. Mr Mikko Hovi is the NCWG Chair since September 2016 when he took over from Mr Jeff Wootton (Australia) in his former position of Vice-Chair.
7. Ms Milli’s curriculum vitae, Mr Rodwell’s biography, Ms Jacqueline Barone’ curriculum vitae are given in Annexes A, B and C.

Recommendations

8. NCWG to proceed with the elections according to the voting procedure described in Annex E of the NCWG Letter 1/2017.
9. In relation to this election of NCWG officers and for the sake of NCWG’s efficiency, the NCWG might wish to consider whether it is appropriate to prepare a plan for the future appointment of a Secretary if and when the current incumbent Secretary decides to step down between two meetings. In that regard, it is reminded that, in accordance with NCWG TORs (section 3.e), *“A Secretary should be appointed to*

ensure the smooth running of WG business; to administer consultation and collation of members' views; and may act as Editor of the WG's publications. The position is normally filled by a member of the WG."

10. When the new NCWG office bearers are elected, NCWG should invite them to provide the IHO Secretariat with a short biography that can be posted on the IHO NCWG webpage, the current details on the NCWG Officers, being out-of-date.

Action required of NCWG

11. The NCWG is invited to:

- a. **Note** this paper and **consider** the recommendations given in paragraphs 8 to 10.

Manuela MILLI

PERSONAL INFORMATION

Name	Manuela Milli
Date of birth	12/01/1969
Occupation	Senior Cartographer
Italian Government Department	Italian Hydrographic Institute (Navy- Ministry of Defence)
Position held	Senior Cartographer (Head of Section)
Telephone	0102443217
Fax	0102443341
E-mail	manuela_milli@marina.difesa.it manuelamilli@libero.it

Education, qualifications, short courses and scholarships

Title of education awarded

PhD in Earth Sciences: University of Genova, IT, May 2006.

Qualifications & short courses

Joint Services Staff College (ISSMI): vocational training addressed to Ministry of Defence personnel for later significant assignments in national and international environments. (Centre for High Defence Studies, Rome, IT, October 2015- June 2016);

Master in International strategic and military studies (Centre for High Defence Studies, Rome, IT, October 2015- June 2016);

Course for Military Legal Advisor (Centre for High Defence Studies, Rome, IT, July 2016);

PhD in Earth Sciences: Study and protection of the marine environment (University of Genova, IT, May 2006);

TELSAT Project vocational training: remote sensing, images elaboration and interpretation for environmental risk estimation using Geographic Information System (Technical-scientific body in the National Health Service, Rome, IT, December 1993 - December 1994);

Degree in Geological Sciences *cum laude* (University of Urbino, IT, March 1993).

Scholarships

Scholarship: Geographic Information System-Relationship between productive activities and environment (Technical-scientific body in the National Health Service, Rome, IT, April 2001);

Scholarship: Territory, environment and productive activities: planning and managing in the Marche region (Marche region, Ancona, IT, June 1998 - June 1999);

Scholarship: Collecting, analysing and interpreting hydrogeologic data using a Geographic Information System (National Academy of Sciences, Rome, IT, January - June 1998);

Scholarship: Hydrogeologic characteristics of the territory and assessment of the environmental impact caused by anthropic activities (Italian National Agency for New Technologies, Energy and the environment, Rome, IT, December 1994 - December 1995).

Professional and academic activities	<p>Head of Section “Area 3 – South and Islands” at the Italian Navy Hydrographic Institute, Genova, IT, Juin 2016-present;</p> <p>Head of Section “Nautical Cartography” at the Italian Navy Hydrographic Institute, Genova, IT, December 2004 - Juin 2016;</p> <p>Junior cartographer at the Hydrographic Department of the Italian Navy Hydrographic Institute, Genova, IT, September 1999 – December 2004;</p> <p>Geologist at National Academy of Sciences (Rome, IT, May 1997- May 1998);</p> <p>Geologist at AQUATER S.p.A (S. Lorenzo in Campo, IT, April 1996 - December 1997).</p>
Professional activities	<p>Teacher in the “Mathematical Cartography” course 2nd level Master in Marine Geomatics (Ed. II,III,IV,V,VI,VII; Italian Navy Hydrographic Institute & University of Genova, IT, 2008-present);</p> <p>Teacher in the qualification courses: Hidro-oceanographic service for naval officer (Nautical cartography and first principles of geodesy, Italian Navy Hydrographic Institute, Genova, IT, 2001-present);</p> <p>Teacher at Tangeri University during ECOFIN project. Coastal management: morphological surveys of the emerged and submerged beach: data collection, elaboration and cartographic representation (July 2004).</p>
Academic activities	
Other skills and competences	<p>Membership of Nautical Chart Working group (IHO - International Hydrographic Organization) as Italian representative since July 2012;</p> <p>Membership of technical working group between Italy-Tunisia in hydrographic and cartographic field since March 2011.</p> <p>Knowledge of MS Office: Word, Excel, PowerPoint;</p> <p>Data analysis and spatial data cartography: knowledge of Source Editor (CARIS), Paper chart Editor (CARIS), Product Editor (CARIS), dKart Publisher (Jeppesen), ArcMap (ESRI).</p> <p>English: Standardised Language Profile SLP 2222 – Functional level (Standardization Agreement NATO 6001 Ed.4).</p> <p>French: Avancé</p> <p>Co-author of 25 papers published on national/international journals and peer-reviewed conference contributions in the area of environmental topics, cartography, remote sensing and GIS.</p>
Working group and committee membership	Software skills
Software skills	Languages
Languages	Publications and conference papers
Publications and conference papers	

2 March 2017

Nick Rodwell (UKHO)

Nick joined UKHO in 2002 as a trainee cartographer.

His first posting was to UKHO's Home Waters section, where he was assessing data, compiling and maintaining paper charts.

Nick then moved into the ENC Production Team during the initial creation of the AVCS service, where he was verifying and validating ENC cells.

Nick has also worked as a Staff Officer and Resource Manager for several of the UKHO divisional directors.

He was fortunate to have 6 months working for Land Information New Zealand, working on their paper charts and ENCs.

On returning to UKHO, Nick became a Production Team Manager responsible for chart adoptions, thematic charts and production of UKHO leisure folios. During this time he also completed an Institute of Learning Management level 7 qualification in management.

More recently, Nick moved into Regional Team 6, where he was responsible for 18 volumes of Sailing Directions, data assessment plus maintaining and producing the paper charts covering the Americas including the Caribbean.

Nick is currently the Head of Paper Chart Production responsible for UKHOs derived and primary paper charts.

16 March 2017

Jacqueline Barone

PHONE +01 571 557 5117 | Jacqueline.barone@nga.mil | Member State: United States of America

I am submitting my name as a candidate for Vice Chair for the Nautical Cartography Working Group. I have been a member of the group since 2009. I understand the maritime profession, hardcopy and digital charts, and the challenges that face each hydrographic office with reduced manpower and increasing technological advances because of my involvement in this group over the last several years and from my various positions. Thank you for your consideration.

Education

MASTER OF SCIENCE - INTERNATIONAL TRANSPORTATION MANAGEMENT | JANUARY 2003 | STATE UNIVERSITY OF NEW YORK MARITIME GRADUATE SCHOOL

BACHELOR OF SCIENCE- MARINE TRANSPORTATION | MAY 2001 | STATE UNIVERSITY OF NEW YORK MARITIME COLLEGE

Third Mates License, Steam and Motor Vessels, Unlimited Tonnage, U.S. Coast Guard

Experience

MEMBER STATE REPRESENTATIVE (USA/NGA) | IHO CSPWG/NCWG | JAN 2009-PRESENT

Represent the National Geospatial-Intelligence Agency (NGA)

Developing Professional Certification exams for multiple experience levels.

Program manager for a contractor-taught recognized CAT-B Nautical Cartography Course, to start in June 2017.

MARITIME ANALYSIS TRADECRAFT MANAGER | NGA | SEP 2016-PRESENT

Oversee the professional development of Maritime Analysts and Cartographers for the Maritime Safety Office.

Recommend and/or develop necessary training. Developing Professional Certification exams for multiple experience levels. Program manager for a contractor-taught recognized CAT-B Nautical Cartography Course, to start in June 2017. Manage or am a member of several advisory boards to develop policy and guidelines regarding hiring, promotion, certification, and competency evaluation and management.

BRANCH CHIEF-NOTICE TO MARINERS | NGA | JUL 2012-SEP 2016

Oversaw 14 employees in the daily execution of analyzing source material for chart corrections to hardcopy charts for weekly dissemination in the weekly U.S. Notice to Mariners. Reorganized two teams, ~26 people total, into five regional teams for better processing and quicker output. Developed metrics to accurately track output and discrepancies and to help strategic planning initiatives.

MARITIME IT PROJECT MANAGER | NGA | JAN 2012-JUL 2012

Lead Engineer for WVNWS.

MARITIME STRATEGIC ISSUES MANAGER | NGA | OCT 2011-JAN 2012

Reviewed and analyzed office wide strategy policies and assessed workforce transformation needs to meet strategic goals and make recommendations for improvement of current processes.

DEPLOYMENT TEAM PROJECT LEAD | NGA | OCT 2009-SEPT 2011

Completed the tactical execution of employee deployment from seven regional buildings to the new headquarters of the National Geospatial-Intelligence Agency in Virginia, USA with no mission failure.

MARITIME ANALYST | NGA | AUG 2003-SEPT 2009

Promulgated chart corrections in 14 countries in the Western Pacific and Indian Ocean region. Performed Pre-Press Reviews of charts ready for publication. 24/7 watchstander for the World Wide Navigational Warning Service maritime watch room for two years, reviewing NAVAREA information to send to the mariners and military. Became a senior technical lead for the team.

FIRST MATE, ABLE-BODIED SEAMAN, ORDINARY SEAMAN | BRIDGEPORT-PORT JEFFERSON STEAMBOAT COMPANY | APR 1997-JUL 2003

Honed my nautical navigation and seamanship skills learned in school. Transported passengers and vehicles, oversaw loading and unloading for stability purposes, and followed general directives from the captain. Conducted man overboard, fire and abandon ship drills.