

**3<sup>rd</sup> NCWG MEETING**  
**ESRI HQ, Redlands, California, USA 16-19 May 2017**

**Agenda**

**Host to meet with Chair and Secretary on Monday at 1300 (in front of main HQ building at end of New York Street).**

**All participants please assemble at 0915 for 0930 start (Tuesday) and 0845 for 0900 start (other days).**

**Close by approximately 1600 (1500 on Thursday). Friday contingency.**

1. **Welcome, Introductions and Administrative Arrangements**  
 Docs: NCWG3-01A *List of Documents (on website)*  
         NCWG3-01B *List of Registered Meeting Participants*  
         NCWG3-01C *List of NCWG Members*
  
2. **Approval of Agenda**  
 Docs: NCWG3-02Arev3 *Agenda*
  
3. **Status of Actions from NCWG2**  
 Docs: NCWG3-03A *Status of NCWG2 Actions*
  
4. **Relationship with HSSC and HSSC Working Groups**
  - 4.1. Notes from HSSC8 (**Chair**)  
 Docs: NCWG3-04.1A *NCWG report to HSSC8 (HSSC8-05.6A)*  
                 *Presentation*  
                 NCWG3-04.1B *Report from HSSC8 of interest to NCWG*
  - 4.2. Report from S-100WG (**Chair**)  
 Docs: NCWG3-04.2A *Report on S-100WG Activities*
  - 4.3. Report from ENCWG (**Chair**)  
 Docs: NCWG3-04.3A *Report on ENCWG Activities*
  - 4.4. Report from NIPWG (**IHO Sec**)
  - 4.5. Report from HDWG (**IHO Sec**)
  - 4.6. Report from DQWG (**IHO Sec**)
  
5. **Terms of Reference**
  - 5.1. Changes consequent to HSSC8 and 1<sup>st</sup> IHO Assembly (**Chair**)  
 Docs: NCWG3-05.1A *NCWG Terms of Reference*
  
6. **NCWG procedures**
  - 6.1. Changes consequent to HSSC Chair group meeting (**Chair**)  
 Docs: NCWG3-06.1A *Draft Revised Procedures*
  
7. **NCWG work plan**
  - 7.1. Summary of progress, items completed (**Sec**)  
 Docs: NCWG3-07.1A *Work Plan updated from HSSC8*
  - 7.2. Consideration of the future of paper charts (Work item A16) (**Chair**)
  - 7.3. Protocol for considering portrayal requirements (Work item A26) (**Chair**)
  - 7.4. Future of S-4 (Work item A28) (**Chair**)
  - 7.5. Quality assurance check list for INT Chart coordinators (Work item B4) (**IHO Sec**)  
 Docs: NCWG3-07.5A *Copy of IRCC9-03C Revised management, Review*

*and Monitoring of new INT Charts*

- 7.6. Liaison with IHO subsidiary bodies (Work item H1) **(Chair)**
- 7.7. Document on 'equivalent' T&P NMs (Work item H2) **(Chair)**
- 7.8. Visualizing uncertainty of bathymetric data in S101 (Work item H2) **(Chair)**  
(See also Agenda item 8.4)

**8. Chart content**

- 8.1. Coloured flood lighting on multicoloured charts **(UK)**  
*Docs: NCWG3-08.1A Coloured flood lighting on multicoloured charts*
- 8.2. Small craft anchorage: would it benefit from a dedicated symbol? **(UK)**  
*Docs: NCWG3-08.2A Symbol for small craft anchorage/anchor berth*
- 8.3. Charting of submarine cables (Work item A29) **(ICPC)**  
*Docs: NCWG3-08.3A Action HSSC8/68 ICPC Proposal to NCWG for adapting S-4 Charting Specification (B443 & C408) for Submarine Cables taking into account Deep Sea Mining. (NB: Annexes B and C separate PDFs)*
- 8.4. Data Quality Indicators for bathymetric data on ECDIS chart display **(Chair – for DE)**  
*Docs: NCWG3-08.4A Data Quality Indicators for bathymetric data on ECDIS chart display*
- 8.5. Contour lines discrepancies in ENC's **(IHO Sec)**  
*Docs: NCWG3-08.5A Contour lines discrepancies between ENC's of different usage bands covering the same area*
- 8.6. Symbol for rocks which do not cover **(IT)**  
*Docs: NCWG3-08.6A Rocks which do not cover: do we need a new point symbol?*  
*NCWG3-08.6B Rocks, which do not cover: US minimum-size symbol for islets*
- 8.7. Depiction of the swinging circle around anchor berth **(IT)**  
*Docs: NCWG3-08.7A Depiction of the swinging circle around anchor berth*
- 8.8. Improvement of ENC's display on ECDIS **(Chair – for FR)**  
*Docs: NCWG3-08.8A Improvement of ENC's display on ECDIS*
- 8.9. Vertical Clearances on Bridges **(FI)**  
*Docs: NCWG3-08.9A Vertical Clearances on Bridges*
- 8.10. Larger scale ENC data limits on paper charts **(Chair – for AU)**  
*Docs: NCWG3-08.10A Larger scale ENC data limits on Paper Charts*
- 8.11. Aids to Navigation Changes in ENC and Paper Chart **(Chair – for DE)**  
*Docs: NCWG3-08.11A Aids to Navigation Changes in ENC and Paper Charts*

**9. S-4**

- 9.1. Changes consequent on revision of Res. 3/1919 (Work item A30) **(Chair)**  
*Docs: NCWG3-09.1A Revised IHO Resolution 3/1919: impact on S-4*
- 9.2. Should we delete or update reference to LORAN (B-480.2)? **(Sec)**  
*Docs: NCWG3-09.2A Should we delete reference to Loran from S-4?*
- 9.3. Question about magnetic annual rate of change **(Sec, for Estonia)**  
*Docs: NCWG3-09.3A Units for quoting annual rate of change for magnetic variation*
- 9.4. Exchange of reproduction material: recommendations about S-57 format **(IT)**  
*Docs: NCWG3-09.4A Exchange of reproduction material: recommendations about S-57 format*

**10. Other NCWG publications**

- 10.1. S-11 Part A **(IHO Sec)**

**11. INT 1 / 2 / 3**

11.1. Report from Secretary of INT1 subWG (**Sec**)

*Docs: NCWG3-11.1A Report of NCWG INT1 subWG*

11.2. Development of new section V on data quality (Work item E9) (**Chair for AU**)

*Docs: NCWG3-11.2A Section V History Brief*

**12. Lessons learned from Marine Incidents**

**13. Review of Actions and Work Plan**

13.1. Actions

13.2. New items for Work Plan

13.3. Priorities

13.4. Timescales for tasks

**14. Any Other Business including INF papers and MS reports**

14.1. Changing the format of the NCWG Membership List

*Docs: NCWG3-14.1A NCWG Membership list*

14.2. 'Cool cartography' presentation (CANCELLED) (**ESRI**)

14.3. INF1: Paper Chart Automation (**ESRI**)

**15. Election of NCWG officers (IHO Sec)**

*Docs: NCWG3-15.1A Election of NCWG Officers*

**16. Date, duration and venue of next meeting**

Note: Members considering to host NCWG4 and NCWG5 should note that due to IHO Council meetings, that will be held annually in October, HSSC meetings will move to May starting 2018. This means that the future NCWG meetings will be held between September and January.