**Agenda for 5th NCWG MEETING**

**5-8 November 2019, Stockholm, Sweden**

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

**Close by approximately 1630 (1300 on Friday).**

1. **Welcome, Introductions and Administrative Arrangements**
2. **Approval of Agenda**

 *Docs: NCWG5-02A – Agenda v1.3*

1. **Status of Actions from NCWG4**

 *Docs: NCWG5-03A – Status of actions* ***(Sec)***

1. **Matters arising from HSSC**
	1. Notes from HSSC11 **(Chair)**
	2. Actions from HSSC11 **(Chair)**
	3. Report from S-100WG **(Chair)**
	4. Report from ENCWG **(Chair)**
	5. Report from NIPWG **(IHO Sec)**
	6. Report from DQWG **(DQWG Chair)**

*Docs: NCWG5-4.6A Report from DQWG*

 *NCWG5-04.6B Using data quality for safe navigation*

1. **NCWG Administration and Work Plan**
	1. Review of Terms of Reference and Detailed Procedures **(Chair)**
	2. Summary of progress, items completed **(Sec)**

*Doc: NCWG5-05.2A Work plan: Summary of progress*

1. **S-4 Chart Specifications, New and revised symbology**
	1. Future of Paper Chart [Work item A16] **(Harmon)**

*Docs: NCWG5-06.1A Future of Paper Chart* ***(Colby)***

 *NCWG5-06.1B Future of paper chart: Management plan* ***(Colby)***

*NCWG5-06.1C Results of the Future of the paper nautical chart Survey of IHO member states.* ***(Colby)***

*NCWG5-06.1D Discussion on the future of the paper chart from another perspective* ***(CN)***

* 1. Future of S-4 [A28] **(Chair)**
	2. Protocol for considering portrayal requirements [A26] **(Chair)**
	3. Update INT charting region D and E limits **(FI)**

 *Docs: NCWG5-06.4A Proposal to update limit between charting region D and Charting Region E to S-4, A204.8* ***(FI)***

* 1. Automated production of paper charts from ENC’s **(Chair)**
	2. Consider issue of distinguishing between obstructions and foul ground **(FR, AU)**

*Docs: NCWG5-06.6A Distinction between obstructions and foul grounds (****AU)***

* 1. Swept wreck depths **(NL)**
	2. Emergency contact details **(IN)**

*Docs: NCWG5-06.8A Recommendation to add emergency contact details to charts***. (IN)**

* 1. IALA FFL light characteristics **(US /Sec / IHO)**
	2. WIG Craft **(KO)**

*Docs: NCWG5-06.10A WIG Craft* ***(KO)***

6.11 Portrayal of Indonesia ASL in TSS**(ID)**

 *Docs: NCWG5-06.11A Portrayal of Indonesia ASL in TSS* ***(ID)***

6.12 Guidelines for coloured CATZOCS **(NL)**

*Docs: NCWG5-06.12A Guidelines for coloured CATZOCS* ***(NL)***

1. **INT 1 / 2 / 3**
	1. Report from Secretary of INT1 subWG [E1] **(Sec)**

*Docs: NCWG5-07.1 Report from INT 1 subWG* ***(Sec)***

* 1. Future options for INT 1 **(Sec)**

*Docs: NCWG5-07.2 Future options for INT 1* ***(Sec)***

1. **S-11 Part A**
2. **Liaison with other working groups**
	1. S-101 Portrayal **(Chair)**
	2. Harmonised portrayal between data products used in the interoperability mode of ECDIS **(Chair)**

*Docs: NCWG5-09.2A Portrayal harmonisation* ***(Chair)***

* 1. Mariners Guide to Accuracy of Depth Information ENCS **(Chair)**

 *Docs: NCWG5-09.3A – S-67 Mariners guide to Accuracy of depth information in Electronic navigational charts* ***(Chair)***

1. **Lessons learned from Marine Incidents**
2. **Review of Actions and Work Plan**
	1. Review of Meeting Actions
	2. New items for Work Plan
3. **INF papers, reports and Any Other Business**

12.1 Unexploded Ordnance **(UK)**

 *Docs: NCWG5-12.1A INF Definition of exceptional circumstances to chart unexploded ordnance* ***(UK)***

12.2 Paper chart maintenance efficiency improvements presentation **(UK)**

*Docs: NCWG5-12.2A INF – UKHO’s omission of detail program* ***(UK)***

12.3ICA Marine Cartography Commission **(ICA)**

12.4International Board on Standards of Competence for Hydrographic Surveyors and Nautical Cartographers **(ICA)**

12.5 US plans for future of US paper chart series **(US)**

 *Docs: NCWG5-12.5A INF- US plans for future of NOAA paper charts* ***(US)***

 *NCWG5-12.5B INF – NOAA Custom Chart application* ***(US)***

 12.6 Paper charts from ENCs – the need for a new standard **(AU)**

 *Docs: NCWG5-12.6A INF – Paper charts from ENCs – The need for a new standard* ***(AU)***

12.7 S-100 portrayal harmonization project **(KO)**

*Docs: NCWG5-12.7A INF- S100 portrayal harmonization project* ***(KO)***

*1*2.8 Seaweed cultivation – (**UK)**

*Docs: NCWG5-12.8A INF – Seaweed**cultivation* ***(UK)***

1. **Date and location of next meetings**

NCWG6 - November 2020 – Cadiz, Spain

NCWG7 - November 2021 (tbd)

1. **Closure of meeting**