**NCWG WORK PLAN 2018-19**

(Updated for HSSC10 to 27 March 2018)

* *Objectives, Tasks and Work Items are pursued in accordance with IHO Work Programme 2018-2020, Programme 2 (Services and Standards):*
  + *Element 2.2 Foundational Nautical Cartography Framework*
    - *Task 2.2.1 Maintain S-4 (Regulations for International (INT) Charts and Chart Specifications of the IHO) and related publications (INT 1/2/3)*
    - *Task 2.2.2 Maintain S-11 Part A -Guidance for the Preparation and Maintenance of International Chart Schemes and Catalogue of International (INT) Charts*
* *The objective is to develop, maintain and promote the foundational standards, specifications, guidelines and services related to nautical cartography to meet the requirements of the stakeholders.*
* *As a Plan it will and should evolve; accordingly, contributions from WG members and others are welcomed at any time.*

**Tasks**

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| A | Maintain and extend Publication S-4 'Chart Specifications of the IHO & Regulations of the IHO for INT Charts' (IHO Task 2.2.1) |
| B | Maintain and extend Publication S-11 Part A ‘Guidance for the Preparation and Maintenance of INT Chart schemes’ (IHO Task 2.2.2) |
| D | Development of new (and revised) symbology (IHO Task 2.2.1) |
| E | Maintenance of S-4 supplementary publications INT 1, 2 & 3 (IHO Task 2.2.1) |
| G | Conduct meetings of NCWG (IHO Task 2.1) |
| H | Provide technical assistance to other IHO working groups and support regarding the implementation of S-100 (IHO Task 2.3) |

**Work items**

| **No** | **Work item** | **Priority** H-high  M-medium  L-low | **Next Milestone** | **Start**  **Date** | **End**  **Date** | **Status** P-Planned  O-Ongoing  C-Completed | **Contact Person(s)** | **Affected Pubs/Standard** | **Remarks** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A16 | Consideration of the ‘future of the paper chart’ | H | Allocate remaining tasks. Draft to be circulated to WG. | 2014 | 2018 | O | Colby Harmon |  | CSPCWG10 Action 36  NCWG1 Action 54  Meeting following NCWG2  NCWG3 Action 12  Report at HSSC9  Report at HSSC10 |
| A26 | Portrayal subWG | H | Agree protocol for seeking advice from NCWG | 2016 |  | O | Chair NCWG |  | HSSC7 Action 18  NCWG2 Actions 5, 22, 30-32  Attendance at NIPWG Visualization workshop May 2017.  NCWG3 Action 15 |
| A28 | Future of S-4 |  | On hold, pending progress with A16 |  |  | P | Chair NCWG | S-4 | NCWG3 Agenda 7.4: waiting on progress with A16 |
| A29 | Consider ICPC submission on charting submarine cables taking into account deep sea mining | L | On hold, pending further submission from ICPC |  |  | P | Chair NCWG | S-4 | HSSC8/68 (pending submission from ICPC).  ICPC unavailable for discussion at NCWG3.  NCWG3 Action 19 completed: S-4 contains nothing contradictory to Res.4/1967 (as amended IHO-A1) |
| A30 | Check the impact of the IHO Resolution 3/1919 as amended on S-4 when it is approved | L | Include changes in S-4 4.8.0 | 2016 | 2018 | O | Sec NCWG | S-4, INT1, S-32 | Ref. IHO CL 27/2016 and CL 10/2017  Proposed changes for HSSC10 |
| A31 | Revise S-4 A-500 for digital repromat | M | Include changes in S-4 4.8.0 | 2017 | 2018 | O | Sec NCWG | S-4 | NCWG3 Action 31  Proposed changes for HSSC10 |
| E1 | Maintain official INT 1s |  | Publication next editions planned for 2018 |  |  | O | DE: S Spohn  FR: S Guillou  ES: F. Yanguas | INT 1 | English version 2015 (Ed 8)  French version 2016 (Ed 6)  Spanish version 2015(Ed 5) |
| E9 | Develop new section V for INT1 for ‘data quality’ | M | Draft under consideration by INT1 subWG | 2014 | 2018 | O | Chair NCWG  INT1 subWG | INT1 | CSPCWG10 Action 35  NCWG3 Agenda 11.2: Transferred to UK |
| E10 | Symbol library | L | UK to confirm freedom to use UK's symbol set | 2016 |  | O | UK (N Rodwell)  US (C Harmon) | S-4, INT1 | NCWG Actions 45, 46  NCWG3 Agenda 3: Not required to progress at this time. |
| ~~H1~~ | ~~Liaise with IHO subsidiary bodies and subordinate organs, e.g. WWNWS-SC, NIPWG, ENCWG, SCUFN, etc.~~ | ~~L~~ | ~~Business as usual, report to HSSC9 and remove~~ | ~~2016~~ |  | ~~O~~ | ~~Chair and Sec NCWG~~ | ~~S-4, INT1, S-32~~ | ~~Support the UFN Project Team, see Doc. HSSC8-07.1C INF3~~  ~~NCWG Agenda 7.6: J Barone appointed as POC for UFN PT.~~  Business as usual, remove |
| H2 | Prepare a single educative IHO authoritative document addressing the issue of “equivalent” T&Ps for ENCs, in view of its distribution to HOs, Port State Control authorities and mariners after approval. | M | Chair to circulate revised draft to WG members for comment | 2016 |  | O | NCWG Chair and ENCWG Chair | S-66 Stage 2? | HSSC8/28  NCWG3 Action 15 |
| H3 | Consider the paper on the “visualization of bathymetric uncertainties data in S-101” (Doc. HSSC8-05.6B INF6) and develop appropriate recommendations on the way forward. | M | Chair to report to DE and HSSC9. | 2016 |  | C | NCWG Chair | S-101 | HSSC8/39  NCWG Action 20  Reported at HSSC9 |

\* Allowing for approval via HSSC (in accordance with Resolution 2/2007) before MS and publication.

**Meetings** (Task G)

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| **Date** | **Location** | **Activity** |
| 26-29 April 2016 | IHB, Monaco | NCWG2 |
| 16-19 May 2017 | Redlands, CA, USA | NCWG3 |
| 6-9 November 2018 | The Hague, Netherlands | NCWG4 |

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