## . NIPWG WORK PLAN 2020-22

**Tasks**

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| D | Maintain Publication S-12 “Standardization of List of Lights and Fog Signals” (IHO Task 2.8.1) |
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| F | Establish and monitor, in liaison with the S-100WG, the project teams required to specify and develop nautical information layers for use in ECDIS (IHO Task 2.3) |
| G | Develop high level specifications for ~~a~~ maritime services as defined by IMO in the context of e-navigation covering the provision of hydrographic services to mariners in accordance with the IMO e-navigation strategy implementation plan (IHO Task 2.5.2) |
| H | Develop a test and implementation plan for the development of the maritime services as defined by IMO (IHO Task 2.5.2) |
| I | Maintain IHO Resolutions in M-3 relating to Nautical Publications as required (IHO Task 2.1) |
| J | Liaise with other HSSC WGs and other IHO and international bodies (IHO Task 2.1.8) |
| K | Conduct the 2021 and 2022 meetings of the NIPWG and its sub-group(s) and project team(s) (IHO Task 2.1) |

**Work items**

| **Work item** | | **Title** | | **Priority**  H-high M-medium  L-low | | | **Next Milestone** | | | **Start Date** | | **End Date** | **Status**  P-Planned  O-Ongoing  C-Completed S-superseded | | **Contact Person(s)** | | **Related Pubs / Standard** | **Remarks** |
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| D.1 | | Monitor and assess proposals for amending S- 12 | | M | | | Next meeting | | | 2014 | | Permanent | O | |  | | S-12 | In close liaison with IALA; see J.5.1 |
| F.1 | | Assess the progress and perspectives of developing S-100 product specifications for NP data and propose the way forward for consideration by HSSC | | H | | |  | | | 2015 | | Permanent | O | |  | |  | To be considered in the context of the IMO e-navigation strategy implementation.  NIPWG to consider establishing one or more project team(s) in liaison with S-100WG as required (see J.2), in particular to continue the development of Product Specifications currently assigned to the NIPWG. |
| F.2 | | Investigate the interaction between Marine Protected Area Product and ENC in ECDIS | | H | | | Next meeting | | | 2015 | | Permanent | O | | Chair/Sec | |  | In close liaison with the S-100 WG |
| F.3 | | Model the NP data where required. | | H | | | Next meeting | | | 2004 | | Permanent | O | | Chair/Sec | |  | S-100 related.  To be included in Hydro domain of the FCD Register. |
| F.4 | | Review of objects and attributes  Propose amendments to HYDRO domain of the FCD Register | | H | | | Next meeting | | | 2004 | | Permanent | O | | Chair/Sec | |  | S-100 related.  Incorporate in FCD Register if appropriate. |
| F.8.1 | | Develop S-1xx Nautical Information Product Specification | |  | | |  | | |  | |  |  | |  | |  |  |
| F.8.1.2 | | For Marine Navigational Services | | L | | | next meeting | | | 2013 | |  | O | | Chair/Sec | | S-125 | In progress IALA offers to develop draft, NIPWG, see J.5.1 |
| F.8.1.4 | | For Marine Physical Environment | | L | | | next meeting | | | 2013 | | 2026 | O | | Chair/Sec | | S-126 |  |
| F.8.1.5 | | Catalog of nautical products | | H | | | next meeting | | | 2016 | | 2023 | O | | Chair/Sec | | S-128 | Development continued by KHOA, in progress |
| F.8.1.6 | | Marine Harbour Infrastructure | | H | | | next meeting | | | 2020 | | 2022 | O | | Chair/Sec | | S-131 | Contracted, delivery date Q2/2022 dependent on S-100 Ed 5 progress |
| F.8.2 | | Draft Data Classification and Encoding Guides | | |  | | |  | |  | |  |  | |  | |  | Document for NPs similar to Use of the Object Catalog |
| F.8.2.1 | | For Marine Navigational Services | | | M | | |  | | - | |  | O | | Chair/Sec | | S-125 | In close liaison with IALA, see J.5.1 |
| F.8.2.2 | | For Physical Environment | | | M | | | Next meeting | | - | | - | P | | Chair/Sec | | S-126 |  |
| F.8.2.3 | | For Digital Catalogue of Nautical Product | | | H | | | Next meeting | | 2016 | | 2023 | O | | Chair/Sec | | S-128 | In progress |
| F.8.2.4 | | For Marine Harbour Infrastructure | | | H | | | Next meeting | | 2020 | | 2022 | O | | Chair/Sec | | S-131 |  |
| F.8.3 | | Monitor and Maintain NIPWG Product Specification | | H | | | Next meeting | | | 2019 | |  | O | | Chair/Sec | |  | S-122, S-123 and S-127 under 2 year revision cycle |
| G.1 | | Monitor the requirements for, and provision of, nautical information in e-navigation test-beds  Produce NP1 sample data sets |  | | |  | | |  | |  | | O | |  |  | According to the tasks assigned by HSSC4. Collection of information to be modelled |
| G.3 | | Rules and guidelines for displaying nautical information in ECDIS and in maritime services as defined by IMO |  | | |  | | |  | |  | |  | |  |  |  |
| G.3.1 | | Develop basic display principles for NP data intended for use in ECDIS (NP3) | M | | |  | | | 2008 | |  | | O | | Chair/Sec |  | Close co-operation with NCWG and S-100WG required. Interoperability Spec to be considered. |
| G.3.2 | | Monitor and contribute to the development of IMO guidelines showing how navigation information received by communications equipment can be displayed in a harmonized way and what equipment functionality is necessary. | M | | |  | | | 2015 | | ~~2019~~ | | O | |  |  | e-nav IMO Strategy Implementation Plan, Task T13 (HSSC6-07.1A refers)  Output number 5.2.6.2 of NCSR biennial agenda 2016-17  Completion date is unknown and dependent on the maturity of interoperability and portrayal frameworks  For HSSC consideration |
| I.1 | | Maintain and extend resolutions in M-3 relating to Nautical Publications | M | | | Next meeting | | | 2012 | | Permanent | | O | | Chair/Sec NIPWG | M-3 | A review is required due for the harmonization of M-3 information and potential ProdSpecs content |
| J.3 | | Liaise with other HSSC WG | M | | |  | | | 2004 | | Permanent | | O | | Chair/Sec NIPWG |  |  |
| J.3.1 | | Liaise with the NCWG | | | M |  | | |  | | Permanent | | O | | Chair/Sec NIPWG | |  | Establish joint project teams as required and endorsed by HSSC. |
| J.3.2 | | Liaise with the ENCWG | | | M |  | | |  | | Permanent | | O | | Chair/Sec NIPWG | |  |  |
| J.3.3 | | Liaise with the S-100WG | | | H |  | | |  | | Permanent | | O | | Chair/Sec NIPWG | |  | Establish joint project teams as required and endorsed by HSSC. |
| J.4 | | Liaise with IRCC |  | | |  | | |  | |  | |  | |  |  |  |
| J.4.1 | | Liaise with WWNWS Sub-Committee |  | | |  | | |  | |  | |  | |  | S-124 | Monitor developments of S-124 Correspondence Group |
| J.5 | | Liaise with other international bodies which contribute to nautical information | H | | |  | | | 2015 | | Permanent | | O | | Chair/Sec NIPWG |  |  |
| J.5.1 | | Liaise with IALA | H | | |  | | | 2013 | | Permanent | | O | | Chair/Sec NIPWG |  |  |
| J.5.2 | | Liaise with International Harbor Masters’ Association (IHMA) | L | | |  | | | 2015 | | Permanent | | O | | Chair/Sec NIPWG |  |  |
| J.5.3 | | Liaise with International Cable Protection Committee (ICPC) | L | | |  | | | 2016 | | Permanent | | O | | Chair/Sec NIPWG |  |  |

**Meetings** (Task K)

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| **Date** | **Location** | **Activity** |
| Sept 2021 | Virtually | NIPWG |
| Sept 2022 | Niteroi, Brazil (invitation confirmed) | NIPWG9 |
| Sept 2023 | Monaco | NIPWG10 |
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Top three work items:

* Initiate prototype implementation of existing S-1xx products in an S-100 based environment to explore governance architecture and service delivery mechanism
* Develop S-1xx nautical information Product Specifications
* Coordinate the IHO contributions to the definition and harmonisation of maritime services as defined by IMO within the remit of IHO