## *NIPWG WORK PLAN 2016-17 (approved by HSSC7)*

## *Tasks*

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| D | Maintain Publication S-12 “Standardization of List of Lights and Fog Signals” (IHO Task 2.6.3.2) |
| E | Maintain Publication S-49 “Recommendations concerning Mariners’ Routeing Guides” (IHO Task 2.6.3.3) |
| 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 2.6.2) |
| G | Develop high level specifications for a combined Marine Service Portfolio (MSP) covering the provision of hydrographic services to mariners in accordance with the IMO e-navigation strategy implementation plan |
| H | Develop a test and implementation plan for the development of the MSP “hydrographic services” |
| I | Maintain IHO Resolutions in M-3 relating to Nautical Publications as required (IHO Task 2.6.3.1) |
| J | Liaise with other HSSC WGs and other IHO and international bodies |
| K | Conduct the 2016 and 2017 meetings of the NIPWG and its sub-group(s) and project team(s) (IHO Task 2.6.1) |

**Work items**

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| **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M-medium  L-low | **Next Milestone** | **Start Date** | **End Date** | **Status**  P-Planned  O-Ongoing  C-Completed S-superseded | **Contact Person(s)** | **Related Pubs / Standard** | **Remarks** |
| D.1 | Monitor and assess proposals for amending S- 12 | M | Next NIPWG meeting | 2014 | Permanent | O |  | S-12 | In close liaison with IALA; see J.4 |
| F.1 | Assess the progress and perspectives of developing specifications for NP data layers in ECDIS and propose the way forward for consideration by HSSC | H | Next HSSC meeting | 2015 | Permanent | P |  |  | 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 | M | Draft Product Specification for Marine Protected Areas (S-122) released in 2016 | 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 NPUBS domain of the FCD Register |
| F.4 | Review of objects and attributes | H | Next meeting | 2004 | Permanent | O | Chair/Sec |  | S-100 related. |
| F.5 | Propose amendments to HYDRO domain of the FCD Register | H |  | 2005 | Permanent | O | Chair/Sec |  | S-100 related. To be included in the FCD register |
| F.6 | Propose amendments to AtoN domain of the FCD Register | H | Next meeting | 2014 | 2017 | O | Chair/Sec | S-125 | To improve the current definitions and attribute values at the FCD register |
| F.7 | Populate the NPUBS domain of the FCD Register | H |  | 2006 | Permanent | O | Chair/Sec |  | S-100 related. Awaiting Registry improvements |
| F.8.1 | Develop S-12n - Nautical Information Product Specification |  |  |  |  |  |  |  | Liaise with WWNWS-Sub committee |
| F.8.1.1 | For Radio Services | H |  | 2012 |  | O | Chair/Sec | S-123 |  |
| F.8.1.2 | For Navigational services | H |  | 2013 |  | O | Chair/Sec | S-125 |  |
| F.8.1.3 | For Traffic management | H |  | 2013 |  | O | Chair/Sec | S-127 |  |
| F.8.1.3. 1 | For Marine Protected Areas | H |  | 2011 | 2018 | O | Chair/Sec | S-122 | Awaiting completion Feature Catalogue Builder, data model harmonization between S-101 and S-122, portrayal and quality parts |
| F.8.1.4 | For Physical environment | H | 12/2014 | 2013 | 2016 | O | Chair/Sec | S-126 |  |

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| G.1 | Monitor the requirements for and provision of nautical information in e-navigation test-beds  Produce NP1 sample data sets | | M | |  | |  | |  | |  | |  | |  | | According to the tasks assigned by HSSC4. Collection of information to be modelled | |
| G.1.1 | For Radio Services | | H | |  | | 2012 | | 2016 | | C | | Chair/Sec | | S-123 | |  | |
| G.1.2 | For Navigational services | | H | |  | | 2012 | | 2017 | | O | | Chair/Sec | | S-125 | |  | |
| G.1.3 | For Traffic management | | H | |  | | 2012 | | 2016 | | C | | Chair/Sec | | S-127 | |  | |
| G.1.4 | For Physical environment | | H | |  | | 2013 | | 2016 | | C | | Chair/Sec | | S-126 | |  | |
| G.2 | Set up a test bed ECDIS | | M | |  | | - | | - | | P | | Chair/Sec | |  | | To be considered in liaison with S-100WG | |
| G.3 | Rules and guidelines for displaying nautical information in ECDIS and in combined Marine Service Portfolios | |  | |  | |  | |  | |  | |  | |  | |  | |
| G.3.1 | Develop basic display rules for NP data intended for use in ECDIS (NP3) | | M | |  | | 2008 | | 2016\* | | O | | Chair/Sec | | S-52 | | Close co-operation with NCWG and S-100WG required  \*end date depends on NCWG schedule | |
| G.3.2 | Develop 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 | | P | |  | | S-52 | | e-nav IMO Strategy Implementation Plan, Task T13 (HSSC6-07.1A refers) | |
| G.4 | Initiate consideration of the architecture of the MSP “hydrographic services” | | M | |  | | 2013 | |  | | O | | Chair NIPWG | |  | | To be considered in the context of the IMO e-navigation strategy implementation plan  e-nav IMO Strategy Implementation Plan, Task T17 (HSSC6-07.1A refers). | |
| G.5 | Contribute to considering the future of paper charts in the perspective of the establishment of MSPs | | M | |  | | 2014 | |  | |  | |  | |  | | Subject to request from NCWG | |
| 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 scheduled due to harmonization of M3 information and potential ProdSpecs content | |
| J.0 | Liaise with the NCWG | |  | |  | |  | | Permanent | | O | | Chair/Sec NIPWG | |  | | Establish joint project teams as required | |
| J.1 | Liaise with the ENCWG | | H | |  | |  | | Permanent | | O | | Chair/Sec NIPWG | |  | |  | |
| J.2 | Liaise with the S-100WG | | H | |  | |  | | Permanent | | O | | Chair/Sec NIPWG | |  | | Establish joint project teams as required | |
| J.2.1 | Draft Data Classification and Encoding Guides | |  | |  | |  | |  | |  | |  | |  | | Document for NPs similar to Use of the Object Catalogue | |
| J.2.1.1 | For Marine Protected Areas | | H | | Next meeting | | 2011 | | 2016 | | O | | Chair/Sec | | S-122 | | To be harmonized with S-101 DCEG | |
| J.2.1.2 | For Radio Services | | M | |  | | 2015 | |  | | P | | Chair/Sec | | S-123 | | Depends on modelling progress | |
| J.2.3 | Draft Product Specification | |  | |  | |  | |  | |  | |  | |  | |  | |
| J.2.3.1 | For Radio Services | | H | |  | | 2014 | |  | | O | | Chair/Sec | | S-123 | |  | |
| J.2.3.2 | For Navigational services | | H | |  | | - | |  | | P | | Chair/Sec | | S-125 | |  | |
| J.2.3.3 | For Traffic management | | H | |  | | 2011 | |  | | O | | Chair/Sec | | S-127 | | The start date is in-line with the MPA ProdSpec development | |
| J.2.3.4 | For Marine Protected Areas | | H | | Next meeting | | 2011 | | 2017 | | O | | Chair/Sec | | S-122 | |  | |
| J.2.3.5 | For Physical environment | | H | |  | | - | | - | | P | | Chair/Sec | | S-126 | |  | |
| J.2.3.6 | For Digital Catalogue of Nautical Publications | | H | |  | | 2016 | | 2018 | | P | | Chair/Sec | | S-128 | |  | |
| J.3 | | Liaise with other HSSC WG | | H | |  | | 2004 | | Permanent | | O | | Chair/Sec NIPWG | |  | | Including DPSWG, DQWG, TWCWG, etc. | |
| J.4 | | Liaise with IALA e-Nav Committee | | H | |  | | 2013 | | Permanent | | O | | Chair/Sec NIPWG | |  | | As advised by HSSC4 (in liaison with S-100WG). | |
| J.5 | | Liaise with other international bodies which contributes to nautical information | | H | |  | | 2015 | | Permanent | | O | | Chair/Sec NIPWG | |  | |  | |
| J.5.1 | | International Harbour Masters’ Association | | H | |  | | 2015 | | Permanent | | O | | Chair/Sec NIPWG | |  | | Considering AVANTI development | |

**Meetings** (Task K)

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| **Date** | **Location** | **Activity** |
| 29 June – 3 July 2015 | IHB, Monaco | NIPWG-1 |
| 21-24 March 2016 | IHB, Monaco | NIPWG-2 |
| Dec. 2016 | Busan, Republic of Korea (tbc) | NIPWG-3 |

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