**Agenda (initial draft)**

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| **3rd Meeting of the Nautical Information Provision Working Group (NIPWG)**  **5–9 December 2016, KHOA, Busan, Republic of Korea** |

**Agenda (initial draft)**

**Amendments to the previous version are marked red**

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| **No.** | **Agenda Item** | **Lead** | **Documents** |
|  | **Monday, 5 December** |  |  |
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| 1. | Opening and administrative arrangements |  |  |
|  | Opening address on behalf of the KHOA | IC |  |
| 2. | Adoption of the Agenda | JS-F | 3-2 |
| 3. | Minutes of NIPWG2 | TL | 3-3 |
| 3.1 | Amendments to the minutes | TL |  |
| 3.2 | Review of Action Items from NIPWG2 | TL |  |
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| 4 | NIPWG status of work (overview) | JS-F | ~~3-4~~ |
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| 5. | HSSC related reports |  |  |
| 5.1 | Information on HSSC8 affecting NIPWG | JS-F | 3-5.1 |
| 5.2 | Information on S-100WG activities | JS-F | 3-5.2 |
| 5.3 | Information on DQWG activities | EH | HSSC8-05.6A |
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| 6 | S-100 related information |  |  |
| 6.1 | Update on DCEG builder development | SO |  |
| 6.2 | Status of the S-100 Registry | SO | ~~3-6.2~~ |
| 6.3 | Status of the S-100 extension proposed by NIPWG | JS-F | 3-6.3 |
| 6.4 | Status of the development progress of the S-100 FC Builder | SO | ~~3-6.4~~ |
| 6.5 | Discussion on the papers | JS-F |  |
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| 7 | Update on S-124 development |  |  |
| 7.1 | Presentation of the current status of the S-124 (Navigational warnings) development | AR | 3-7.1 |
| 7.2 | Discussion of the development coordination | JS-F |  |
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| 13 | Review of IHO Publications/ Standards and Specifications |  |  |
| 13.1 | M-3 (Resolutions of the IHO) | JS-F | 3-13.1 |
| 13.2 | S-12 (Standardization of List of Lights and Fog Signals) |  | ~~3-13.2~~ |
| 13.3 | S-49 (Standardization of Mariners' Routeing Guides) |  | ~~3-13.3~~ |
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| 37 | S-1xx NUPB Product Specifications |  |  |
| 37.1 | Context of the S-1xx NPUB ProdSpec use | JS-F | 3-37.1 |
| 37.2 | Discussion of the paper | JS-F |  |
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|  | Minutes notes of the day’s items |  |  |

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|  | **Tuesday, 6 December (NPUB ProdSpec day)** |  |  |
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| 20 | Marine Protected Area Product Specification (S-122) |  |  |
| 20.1 | Status of work of the ProdSpec |  |  |
| 20.3 | Portrayal of the MPA feature (as a use case for a generic approach to the portrayal issue) | VZ | 3-20.3  Annex A |
| 20.4 | Discussion of the current status of the DCEG, excl. data model | JS-F | 3-20.4  Annex A |
| 20.5 | Model harmonisation S-101 and S-122, Dialog with S-101 DCEG group (NIPWG wiki work) | JS-F | 3-20.5 |
| 20.6 | Discussion on how to proceed | JS-F |  |
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| 21 | S-100 Sea Trail |  |  |
| 21.1 | Activities of KHOA on creation of S-10X test data sets and S-100 sea trial | SO | 3-21.1 |
| 21.2 | Discussion on the paper | JS-F |  |
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| 22 | ProdSpec Physical Environment (S-126) |  |  |
| 22.1 | Presentation of extended content | WdT | 3-22.1 |
| 22.2 | Discussion on the paper | JS-F |  |
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| 24 | ProdSpec Traffic Management (S-127) |  |  |
| 24.1 | Presentation of the preliminary mapping and identification of possible gaps of the NIPWG data model | MK | 3-24.1  Annex A  Annex B  Presentation |
| 24.2 | Discussion on the draft paper | JS-F |  |
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| 26. | ProdSpec Radio Services (S-123) |  |  |
| 26.1 | Presentation of extended content (stable +AIS information) | AR | 3-26.1 |
| 26.2 | Discussion on the content | JS-F |  |
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| 28 | ProdSpec Navigational Services (S-125) |  |  |
| 28.1 | Presentation of the current work status | SE | 3-28.1  Annex A |
| 28.2 | Interoperability and Unique Identifier use for S-125 purpose | SE | 3-28.2 |
| 28.2 | Discussion on the draft paper | JS-F |  |
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| 29 | ProdSpec Catalogue of Nautical Products (S-128) |  |  |
| 29.1 | Presentation of the current work status | IP | 3-29.1 |
| 29.2 | Discussion of the paper | JS-F |  |
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|  | Minutes notes of the day’s items |  |  |

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|  | **Wednesday, 7 December (NPUB ProdSpec day)** | |  |  |
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| 30 | Data quality model for NPUB information | |  |  |
| 30.1 | Presentation of the developed approach | | JS-F | 3-30.1  NIPWG letter 2016/02 |
| 30.2 | Discussion of the paper | | JS-F |  |
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| 33 | Completeness of ice information for test data sets | |  |  |
| 33.1 | Presentation of the research and proposals | | MK+ LS | 3-33.1  Annex A  Annex B |
| 33.2 | Discussion of the paper | | JS-F |  |
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| 35 | Status of solutions for global services or regulations | |  |  |
| 35.1 | Outcome of the NIPWG request to HSSC to initiate a work package to find a solution | | JS-F | 3-35.1 |
| 35.2 | Discussion of the paper | | JS-F |  |
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| 39 | Visualisation of Nautical Information | |  |  |
| 39.1 | Collection of ideas who/what/how | | BS | 3-39.1  Annex A |
| 39.2 | Discussion | | JS-F |  |
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| 11 | Provision of Port and Harbour information |  | |  |
| 11.1 | Presentation of IHMA activities related to AVANTI | ? | |  |
| 11.2 | Discussion of data model gaps related to the approach of a harbour | ? | |  |
| 11.3 | Discussion of the paper | JS-F | |  |
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| 9 | Digital Application of “The Norwegian Pilot” |  | |  |
| 9.1 | Presentation of the development status | AK | | 3-9.1??? |
| 9.2 | Discussion of the paper |  | |  |
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|  | Minutes notes of the day’s items | |  |  |

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|  | **Thursday, 8 December (IMO / e-Navigation day // NIPWG general issues day)** |  |  |
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| 40 | Outcome of MSC |  |  |
| 40.1 | Presentation of the MSC 96 outcome related to NIPWG work plan | JS-F | IHO CL 24/2016 |
| 40.2 | Discussion of the NIPWG contributions | JS-F |  |
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| 43 | IMO’s e-Navigation Maritime Service Portfolio Discussion |  |  |
| 43.1 | Presentation of the status | JS-F | NIPWG letter 2016/01  HSSC8-07.2A |
| 43.2 | Discussion of the development coordination | JS-F |  |
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| 45 | IMO’s e-Navigation strategy |  |  |
| 45.1 | Summary of the recent IALA eNAV meeting(s) | EH | 3-45.1  HSSC8-07.3A |
| 45.2 | Status of the e-Navigation services (MSPs) developments | JE | 3-45.2 A  3-45.2 B |
| 45.3 | IALA/IHO Interaction on the IMO’s Maritime Service Portfolio Program | MK | 3-45.3  Presentation |
| 45.4 | Guidelines on harmonised display of of navigation information received via communications equipment | JE | 3-45.4 A  3-45.4 B |
| 45.5 | Discussion and the NIPWG position | JS-F |  |
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| 47 | Harmonised presentation of cable information in NPUBS |  |  |
| 47.1 | Text proposal on harmonised presentation of cable protection measures to be implemented in national NPUBS | LS+MK | 3-47.1  Annex A  Annex B  Presentation |
| 47.2 | Discussion of the paper | JS-F |  |
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| 48 | Shore-Based UKC management system information in NPUB |  |  |
| 48.1 | AU input paper to initiate a harmonised presentation of the Shore-Based UKC management system information | JS-F | 3-48.1 |
| 48.2 | Discussion of the paper | JS-F |  |
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| 49.1 | Total Maritime Safety Management System utilizing Digital Communication systems | SO | Presentation |
| 49.2 | Discussion of the paper | JS-F |  |
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|  | Minutes notes of the day’s items |  |  |

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|  | **Friday, 9 December (NIPWG administration day)** |  |  |
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| 50 | ToR review | MK;  J S-F | 3-50???? |
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| 53 | Work plan for the NIPWG (reflecting HSSC8 outcome) | JS-F | 3-53???? |
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| 56 | Any other business  (Review of draft minutes),  ()  ()  (Status of HSSC8 action items assigned to NIPWG) | JS-F |  |
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| 59 | Date and place of next meeting(s) | JS-F |  |
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|  | Excursion (pending confirmation) |  |  |

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| AK | Anniken Kvernstrøm (NO) |
| AR | Alain Rouault (FR) |
| BS | Briana Sullivan (U.S./UNH) |
| EH | Edward Hosken (UK) |
| IP | Inyoung PARK(KHOA/ ROK) |
| IC | Dr. Im chae-ho (KHOA/ ROK) |
| JE | Jon Leon Ervik, (NO, IALA rep) |
| JS-F | Jens Schröder-Fürstenberg (GE) |
| MK | Mike Kushla (U.S./NGA) |
| ML | Malin Liljenborg (SE) |
| SO | Sewoong Oh (ROK/ KRISO) |
| SE | Stefan Engström (FI) |
| TL | Thomas Loeper (U.S./NOAA) |
| VZ | Virgil Zetterlind (U.S./ Anthropocene Institute) |
| WdT | Wilfred den Toom (NL) |
| YG | Yves Guillam (IHB) |

Work sessions:

Monday - Wednesday: AM and PM

Friday: AM

Session AM1 0900 – 1030

Session AM2 1045 – 1200

Session PM1 1330 – 1500

Session PM2 1515 – 1630 (1700 as the latest possible finish time)