**LIST of DECISIONS & Actions arising from HSSC-11**

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| **AGENDA**  **ITEM** | **SUBJECT** | **ACTION**  **No.** | **ACTIONS**  **(in bold, action by)** | **TARGET**  **DATE/EVENT** | **STATUS**  **(at 25 Sep. 2020)** |
| --- | --- | --- | --- | --- | --- |
| **1. Opening and Administrative Arrangements** | | | | | |
|  | Contact List | HSSC11/01 | **IHO Member States** and **Stakeholders** to provide the IHO Sec. with their updates to the HSSC List of Contacts. | **Permanent** | Last update  23 Sep. 2020 |
|  | Attendance | HSSC11/02 | **HSSC Members** to consider the possibility of limiting the number of their delegates at HSSC meetings (up to 2 in addition to WGs’ office bearers, in any) and to register in accordance with the deadlines set up in the IHO CL announcing the meeting. | **Permanent** |  |
|  | Election of Vice-Chair | HSSC11/03 | **HSSC** agreed to postpone the election of Vice-Chair on the last day, agreed on the voting procedure and welcomed the election of Mr Magnus Wallhagen (Sweden) as Vice-Chair. |  | Decision |
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| |  | | --- | | **2. Approval of Agenda** | | | | | | |
|  | Agenda and Timetable for HSSC-11 | HSSC11/04 | **HSSC** approved the agenda and associated timetable with minor changes (ABLOS report to be delivered at the beginning of day 2). |  | Decision |
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| **3. Matters arising from Minutes of 10th HSSC Meeting** | | | | | |
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|  | E-navigation implementation | HSSC11/04  (Former HSSC8/05, HSSC9/03, HSSC10/04) | **ENCWG and S-100WG** to monitor any possible impact of the work on the agreed e-navigation outputs on ECDIS related standards and S-100 related standards respectively. | **HSSC-12** |  |
|  | S-101&IMO Performance Standards | HSSC11/05  (Former HSSC8/19, HSSC9/04, HSSC10/05) | **S-100WG** (supported by **IEC**) invited to investigate if S-101 ENCs will meet the current IMO Performance Standards so there is no need to consider proposing amendments to the IMO and report to IHO Secretariat. | **1 Sep 2019** | Complete (Doc. NCSR7/22/5 refers). |
|  | Equivalent T&Ps for ENCs | HSSC11/06  (Former HSSC8/28, HSSC9/62, HSSC10/06) | **~~NCWG~~** ~~and~~ **~~ENCWG~~** ~~to draft 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.~~  Proposal prepared and submitted by IHO Secretariat during HSSC-11 to be considered by **NCWG** and **ENCWG.**  Final consolidated version of the document to be made available on the IHO website by **IHO Secretariat.** | **15 June 2019**  **15 July 2019** | Done  Complete ([ECDIS PSC Advice, Ed. 2](https://www.iho.int/mtg_docs/enc/PSC_Advice_IHO_Ed2.0_Final.pdf) refers) |
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| **4. HSSC Administration** | | | | | |
| 4.1 | Strategic Plan | HSSC11/07 | **HSSC Chair** (supported by **HSSC WGs’Chairs, IHO Sec.**) to provide the **SPRWG Chair** (Copy to **IRCC Chair**) with an input paper on the Future Strategic Plan. | **27 May/IRCC-11** | Complete |
| 4.3 | S-100 Implementation Strategy | HSSC11/08 | Based on HSSC Chair’s presentation and proposals on the S-100 Implementation Strategy, **HSSC WGs Chairs** to provide their inputs/contribution to the HSSC Chair.  **HSSC Chair** to provide HSSC contribution to the Secretary-General, Council and IRCC Chairs. | **10 June 2019**  **1 July 2019** | Complete |
| 4.3 | S-100 Master Plan | HSSC11/09 | When the S-100 Implementation Strategy is finalized as an official IHO document, **S-100WG** to consider submitting a proposal by which this Strategy supersedes the S-100 Master Plan. | **HSSC-12/HSSC-13** |  |
| 4.8 | S-100 Implementation Strategy – S-98 | HSSC11/10 | **S-100 Test Strategy Meeting (TSM)** in liaison with **IEC**, to develop Ed.1.0.0 of S-98 further, taking into account the recommendations provided in Doc. HSSC11-04.8A, the possibilities offered by the development of back-of-bridge/front-of-bridge concepts, and provide inputs as appropriate for the development of the S-100 Implementation Strategy, if possible prior to C-3. | **S-100TSM7 (Sept 2019)**  **15 July 2019** | Done (see S-100WG Report to HSSC-12) |
| 4.4 | S-100 showcase | HSSC11/11 | **S-100WG/S-101PT/HSSC WGs’Chairs/IRCC/HOs/RENCs** to consider how they can support the showcase at C-3, and report to **S100WG Chair** (Coordinator of the showcase), noting that this showcase should highlight the front-of-bridge/back-of-bridge possible concepts.  Outline of the showcase ready. | **1 June 2019**  **10 July 2019** | Complete |
| 4.4 | S-100 showcase | HSSC11/12 | **Contributors/participants** in the showcase to provide their draft presentations and input to the S-**100WG Chair** (Cc **HSSC Chair/IHO Sec.**)**.** | **1 September 2019** | Complete |
| 4.4 | S-100 showcase | HSSC11/13 | **S-100WG Chair** in liaison with **HSSC and IRCC Chairs/IHO Sec.** to finalize the showcase presentations. | **End of September 2019** | Complete |
| 4.5 | IHO Resolution 2/2007 | HSSC11/14 | **HSSC** endorsed the final consolidated version of the IHO Resolution 2/2007 and reviewed its appendixes. |  | Decision |
| 4.5 | IHO Resolution 2/2007 | HSSC11/15 | Noting that the Resolution needs to be endorsed by IRCC as well, **IHO Sec.** to submit HSSC final proposal for endorsement at IRCC-11…  …and then **IHO Sec.** to issue a CL to IHO Member States seeking their approval on the amendments to IHO Resolution 2/2007. | **15 May 2019**  **1 July 2019** | Complete (IHO CL 46/2019 refers) |
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| **5. Reports by HSSC Working Groups** | | | | | |
| **5.1 S-100 (S-100WG)** | | | | | |
| 5.1 | S-100 Ed.5.0.0 and Ed.4.0.0 | HSSC11/16 | **HSSC** noted the proposed deadlines for S-100 Edition 5.0.0 proposals and agreed to shift this Ed. 5.0.0 to 2021, if necessary…  …while tasked the **HSSC WGs** to consider moving Editions of their S-1xx product specifications to be aligned with S-100 Ed. 4.0.0. | **HSSC-12** | Decision  To be discussed from S-100WG Report to HSSC-12 |
| 5.1 | S-97 | HSSC11/17 | **HSSC** approved Ed. 1.0.0 of S-97 and noted the additional editing needed as part of the process to prepare Ed. 2.0.0. |  | Decision |
| 5.1 | S-98 | HSSC11/18 | **S-100WG** to pursue the development of Ed. 1.0.0 of S-98 as part of the S-100 Implementation Strategy (see Actions HSSC11/10 above) with the aim to submit Ed. 1.0.0 for endorsement in 2020/2021. | **HSSC-12/-13** | In progress |
| 5.1 | S-102 | HSSC11/19 | **HSSC** endorsed Ed. 2.0.0 of S-102.  **IHO Sec.** to issue a CL to IHO Member States seeking their approval on Ed. 2.0.0 of S-102. | **July 2019** | Decision  Done (IHO CL 35/2019 & 57/2019 refers) |
| 5.1 | S-121 | HSSC11/20 | **HSSC** encouraged the S-121PT, under the management of the **S-100WG Chair**, to pursue the development of Ed. 1.0.0. of S-121 in accordance with HSSC Rules of Procedures and IHO Resolution 2/2007 and make it available for testing and experimentation when appropriate. |  | Decision  Done. (HSSC Letter 04/2019 dated 30 October refers) |
| 5.1 | S-121 | HSSC11/21 | **HSSC** took note of the concerns raised by India, Turkey, and the Republic of Korea on S-121.  **HSSC** encouraged these IHO Member States to participate in the S-100 WG review process of S-121. | **20 June 2019** | Decision  Comments on draft S-121 Product Spec. adjudicated at S-121 PT meeting – Aug 2019 |
| 5.1 | S-121 | HSSC11/22  (former HSSC10/18) | **S-100WG/S-121PT** to keep HSSC Chair/Sec updated on the progress made on the development of S-121 according to the timelines and milestones given at HSSC-11. | **From May 2019 until HSSC-12** | S-121, Ed.1.0.0 October 2019 |
| 5.1 | S-129 | HSSC11/23 | **HSSC** approved Ed. 1.0.0 of S-129 for testing and experimentation. |  | Decision |
| 5.1 | WMO, S-4xx | HSSC11/24 | **HSSC** agreed to allocate to the WMO, S-413 to *Weather and Waves Conditions* and S-414 to *Weather and Waves Observations*. |  | Decision |
| 5.1 | S-101 | HSSC11/25 | **HSSC** agreed that the first revision Ed. 1.1.0 of S-101 is expected in Dec. 2020.  S**-100WG Chair** to provide the HSSC Chair with the matrix showing the updated timelines of S-101. | **HSSC-12**  **10 July** | Decision |
| 5.1 | Technical Readiness Levels – S-97 | HSSC11/26 | **HSSC** endorsed the concept of S-100 Technical Readiness Levels…  …and tasked **S-100WG** to incorporate it into S-97 as Ed. 1.x.x, then as Ed. 2.0.0. | **HSSC-12** | Decision  Complete. (Published as S-97 Edition 1.1.0,June 2020) |
| 5.1 | S-100 Cloud Distribution | HSSC11/27 | **HSSC** commended Canada for its presentation on “cloud distribution” and noted the proposal to develop further the concept of cloud distribution for S-100 based products.  Noting that a joint proposal sponsored by the US, to develop WEND-like principles will be made at IRCC-11, **HSSC Chair** to suggest at IRCC-11 that the WENDWG should be tasked to investigate the “cloud distribution” concept, subject to the extension of the WENDWG scope to S-101 ENCs and other S-100 based products, if agreed at IRCC-11. | **IRCC-11** | Discussed at C-3, and planned at WENDWG-10 |
| 5.1 | S-100 Data Protection Scheme | HSSC11/28 | **HSSC WGs’** developing S-100 based products to test the data protection scheme developed by the S-100WG Data Protection supported by the RENCs Project Team, and report as appropriate.  **IHO Sec.** in liaison with PRIMAR/RENCs to prepare the implementation procedure to act as S-100 Protection Scheme Administrator. | **HSSC-12**  **HSSC-12** | Completed |
| 5.1 | Test Bed Platform | HSSC11/29 | **HOs** to provide KHOA (s100testbed@korea.kr) with S-100 based products test datasets as appropriate so they can be visualized on the new Test Bed Platform. | **Permanent** | Ongoing – Test version demonstrated at the TSM7 meeting. |
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| |  | | --- | | **5.2 ENC Standards Maintenance (ENCWG)** | | | | | | |
| 5.2 | High Density Bathymetry ENCs | HSSC11/30  (Former HSSC9/22 and HSSC10/24) | **ENCWG** to identify the individual components in S-57 (file size, etc.) that prevent ENC Producers from providing high density contour lines and propose subsequent recommendations. | **ENCWG4/HSSC-12** | Done -  Guidance to be provided in S-65 Annex. Definition for HD ENCs to be submitted to the Hydrographic Dictionary WG |
| 5.2 | S-52, S-63 and S-64 | HSSC11/31 | **HSSC** endorsed the proposed clarifications for the S-52, S-63 and S-64 standards for publication.  **IHO Sec.** to subsequently publish the corresponding clarifications on the IHO website > Standards and Publications. | **Sep 2019** | Decision  Done for S-63 (March 2020), in progress for S-52, S-64 (Oct 2020) |
| 5.2 | S-57 UOC | HSSC11/32 | **HSSC** endorsed the proposed revision to the S-57 UOC (see also Action HSSC11/42 on MARPOL). |  | Done. IHO CL 08/2020 |
| 5.2 | S-58 Ed.6.1.0 datasets | HSSC11/33 | **IHO Sec** to inform the IHO Member States that S-58 datasets that are planned to come into force on 1 Sep 2019, are now available. | **July 2019** | Complete (IHO CL 37/2019 refers) |
| **5.3** **Nautical Information Provision (NIPWG)** | | | | | |
| 5.3 | INT-1 | HSSC11/34 | **HSSC** confirmed that the development and maintenance of an INT1 “.svg” based symbol repository, as defined, is assigned to the **NCWG** , but noted the subsequent comments made by the NCWG Chair that this task cannot be simply addressed for multiple reasons (resources, national versions of INT-1 symbols, …), as well as the US comment on Chart-1. |  | Decision |
| 5.3 | NtM XML Worksop | HSSC11/35 | **HSSC** supported the need for the conduction of a final follow-up XML workshop. Possible venues are Genoa or Monaco. |  | Decision |
| 5.3 | Maritime Services, e-navigation | HSSC11/36 | **HSSC** tasked the responsible **HSSC WGs** [and will invite also the **IRCC/WWNWS-SC**] to review the initial descriptions of “*Maritime Services in context of e-navigation*” under their remit and to provide them to **NIPWG** for further action if appropriate. | **Permanent** |  |
| 5.3 | M-3, IHO Resolution *Time Reference* | HSSC11/37 | **HSSC** endorsed the proposed amendments to Resolution 7/2009 - *Time Reference* -…  **IHO Sec.** to issue a CL to IHO Member States seeking their approval on the new amendments on IHO Resolution 7/2009. | **July 2019** | Decision  Complete (IHO CL 40/2019) |
| 5.3 | E-Nav, IMO/IHO Harmonization Group on Data Modelling (HGDM), Maritime Services | HSSC11/38 (former HSSC10/30) | **IHO Sec.** to develop an appropriate presentation of e-Navigation information on the IHO website incl. the place of the IMO Maritime Service Template. | **HSSC-12** | Done |
| 5.3 | Survey on S-122, and S-123 | HSSC11/39 | **HSSC Chair** agreed to seek the agreement of IRCC for a survey to be managed by **NIPWG**, seeking information from Member States to indicate their intention to produce S-122 and S-123 data sets in the future.  **NIPWG** to anticipate the agreement from IRCC and run the survey. | **HSSC-12** | Decision  In stand-by following discussion at NIPWG7 (premature) |
| 5.3 | Naming of S-100 based products | HSSC11/40 | **HSSC** agreed on the naming (or renaming) of S100 based products under the remit of NIPWG as follows:  S-122 (Marine Protected Area)  S-123 (Marine Radio Services)  S-125 (Marine Navigational Services)  S-126 (Marine Physical Environment)  S-127 (Marine Traffic Management)  S-128 (Catalogue of Nautical Products). |  | Decision |
| 5.3 | S-127 | HSSC11/41 | **HSSC** approved Ed.1.0.0 of S-127 for testing and experimentation. |  | Decision |
| 5.3 | S-57 UOC, MARPOL | HSSC11/42 | Based on the submission made by the US (Doc. HSSC11-05.1G refers), **ENCWG** (in liaison with NCWG[[1]](#footnote-1)) to consider the possibility of developing an S-57 UOC covering MARPOL regulations, and its applicability to different scale bands. | **ENCWG4** | Done. Included in draft UOC Ed. 4.2.0. |
|  | MARPOL | HSSC11/43 | Following the lessons learned from the development of this UOC, and its practical implementation, **S-100WG/NIPWG** to consider whether or not it is appropriate to further develop a new Product Specification covering not only MARPOL regulations but also other IMO regulations. | **HSSC-13** | Done. MARPOL encoding guidance incorporated in the UOC (Edition 4.2.0) and new draft modelling for MARPOL areas included in the S-101 DCEG. No further actions from NIPWG |
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| **5.4 Nautical Cartography (NCWG)** | | | | | |
|  | IHO Resolution 1/2005 as amended | HSSC11/44 | **India** to submit a proposal to NCWG on a way to address some requirements of the IHO Resolution 1/2005 (Response to Disasters) aiming to incorporate emergency contact numbers on charts. | **NCWG-5** | Discussed at NCWG5. Recommend to be considered in NPUBS (NIPWG) |
|  | INT-1 | HSSC11/45 | **HSSC** noted the discontinuation of the maintenance of INT-1 (English version) by Germany…  …and invited **NCWG** to investigate the possible options and consequences for the future of the 3 INT-1 versions (English, French, Spanish), investigations should include, a web service version of this publication making benefit of the S-100 Portrayal Registry, freezing the current versions, or the hand-over by another HO. | **NCWG5 / HSSC-12** | Decision  Done |
|  | Future of Paper Chart | HSSC11/46 | In addition to comments already provided by Australia, Canada, Germany, France, UK, US, **HSSC Members** to provide comments/inputs if any to NCWG on the preliminary report on the Future of the Paper Chart, as well as on the proposed survey.  **NCWG/IHO Sec./Member States** to undertake the actions as proposed by the NCWG on the future of the paper chart, including the survey (Doc. HSSC11-05.4B, slide 4, refers). | **23 May**  **10 June / NCWG5 / HSSC-12** | Done  Done. Final Report in preparation. Doc. HSSC12-05.4B refers |
|  | From ENC to Paper Chart | HSSC11/47 | **NCWG** to anticipate the need to consider the proposals made at HSSC-11 on the automated production of paper charts from ENCs at its next meeting. | **NCWG-5** | Done. See also Doc. HSSC12-05.4C |
|  | Portrayal | HSSC11/48 | **S-100WG, ENCWG, NCWG, and NIPWG** to develop a harmonized portrayal process for S-98. | **HSSC-12** |  |
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| **5.5 Data Quality (DQWG)** | | | | | |
| 5.5 | DQWG TORs | HSSC11/49 | **HSSC** approved the proposed amendment to the DQWG, so the DQWG can also support IRCC WGs and Sub-Committees (MSDIWG, S-124PT, CSBWG for instance) on request. |  | Decision |
|  | Visualization of Quality of Bathymetric Data | HSSC11/50 | **HSSC** commended the DQWG for the work carried out on the development of the conditional visualization *methodology* of quality of bathymetric data…  …and encouraged this development to be pursued in liaison with **S-100WG** **Chair**, **NCWG, NIPWG, ENCWG, S-101PT**, involving if possible academia, training centres, expert contributors and industry partners (for testing and implementation experimentations). | **HSSC-12** | Decision  Done |
|  | Visualization of Quality of Bathymetric Data | HSSC11/51 | **HSSC Chair** to raise the awareness of IHO Member States at IRCC-11 on the existence of the provisional recommendations made by the DQWG on the visualization *methodology* of quality of bathymetric data. | **IRCC-11** | Completed |
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| **5.6 Project Team on Standards for Hydrographic Surveys (HSPT)** | | | | | |
| 5.6 | Support to HSPT | HSSC11/52 | **IHO Sec.** agreed to consider the continuation of its support to the HSPT as requested but recommended that HSPT meetings should take place in Monaco, as far as possible, in order to facilitate this support. |  | Decision |
| 5.6 | 6th Edition of S-44 | HSSC11/53 | **HSSC** agreed on the recommendation made by **HSPT** that the final draft version 1.x.x of the 6th Edition of S-44 should be circulated to all stakeholders, prior to submission for endorsement to HSSC. | **June 2019** | Done |
| 5.6 | 6th Edition of S-44 | HSSC11/54 | **HSPT** to submit final proposed version 2.0.0 of 6th Edition of S-44 to HSSC for endorsement, with the aim to submit it to IHO Member States for approval by July 2020. | **HSSC-12** (- 7 weeks)  **July 2020** | Complete (IHO CL 27&33/2020 refers) |
| 5.6 | 6th Edition of S-44 | HSSC11/55 | **HSSC** approved the principle of having a contest for designing the cover page of 6th Edition. |  | Decision |
| 5.6 | Future of HSPT, towards a HSWG | HSSC11/56 | **HSSC** took note of the proposal to move HSPT to HSWG butinvited HSPT, after completion of the 6th Edition, to submit a formal proposal on the different options for the future of HSPT at the next HSSC meeting iaw HSPT TORs 2 (iii). | **HSSC-12** | Done  To be discussed at HSSC-12 |
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| **5.7 Tides, Water Level and Currents (TWCWG)** | | | | | |
| 5.7 | Digital Tide and Tidal Current Tables | HSSC11/57 | **HSSC** endorsed the proposed IHO Resolution on Standard for Digital Tide and Tidal Current Tables.  **IHO Sec.** to issue an IHO CL seeking the approval of IHO Member States on this proposed Resolution. | **July 2019** | Decision  Complete (IHO CL 04/2020 refers) |
|  |  | HSSC11/58 | **HSSC** encouraged the IHO Member States to consider participating in the tidal data archaeology project led by the TWCWG**.** | **HSSC-12** | IOC-IHO sponsored Workshop on Sea Level Data Archaeology, 10-12 March 2020, Paris |
| **5.8 Hydrographic Dictionary (HDWG)** | | | | | |
|  | S-32 | HSSC11/59 | **HSSC** commended the HDWG supported by the IHO Secretariat for the work done on the development of the new S-32 Hydrographic Dictionary (www.iho-ohi.net/S32)[[2]](#footnote-2). |  | Decision |
|  | S-32 | HSSC11/60 | **HSSC** agreed on the need to consider removing the S-32 IHO Hydrographic Dictionary database from the list of publications covered by IHO Resolution 2/2007, as amended.  **IHO Sec.** to report on this at the next meeting. | **HSSC-12** | Decision |
|  | Participation in HDWG | HSSC11/61 | **ES** and **RU** to consider the possibility of appointing a member to the HDWG. | **Sept. 2019** | Done for Spain |
|  | Submissions of new terms to the Hydrographic Dictionary | HSSC11/62 | **HSSC** noted the availability of the [HDWG template](https://www.iho.int/mtg_docs/com_wg/CHD/CHD_Misc/IHO_Hydrographic_Dictionary_Change_Proposal_Form.docx) to be used by WGs when submitting new terms to the Hydrographic Dictionary on the HDWG webpage. |  | Decision |
|  | S-32 Management | HSSC11/63 | **HSSC** encouraged harmonization of the S-32 IHO Hydrographic Dictionary database with the IHO GI Registry through the Concept Registry Domain Control Body, in which the HDWG should participate.  S-99 to be amended accordingly. | **HSSC-12** | Decision  Preliminary work is ongoing (expected completion Nov 2020) to register all the IHO Hydrographic Dictionary terms in the IHO GI Registry. This can then be used as the basis for developing the harmonization strategy in coordination with the Registry DCB. |
| **6. Inter-Organizational Bodies** | | | | | |
| **6.1 IHO-IAG Advisory Board on the Law of the Sea (ABLOS)** | | | | | |
|  | ABLOS TORs | HSSC11/64 | **HSSC** approved the proposed amendments to the TORs of ABLOS. |  | Decision |
|  | TALOS Manual Ed. 6.0.0 | HSSC11/65 | **HSSC** endorsed the Ed. 6.0.0 the TALOS Manual…  **IHO Sec.** to issue an IHO CL seeking the approval of IHO Member States. | **Oct. 2019** | Decision  Complete  (IHO CL 19/2020 refers). |
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| **7. Decisions of other bodies affecting HSSC** | | | | | |
| **7.1 IRCC (incl. MSDIWG)** | | | | | |
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|  | Undersea Feature Names | HSSC11/66 | **HSSC** noted the proposals made by SCUFN/UFN PT, but agreed to put them on hold for the time being due to other priorities, leaving also more time to SCUFN and its UFN PT to consolidate the proposals and better assess the practical consequences on their implementation. | **HSSC-12** | Decision |
| **7.2 IMO** | | | | | |
|  | Maritime Services | HSSC11/67 | **HSSC** noted the expectation that the description of Maritime Services, in the context of e-navigation, be periodically updated taking into account developments and related work on harmonization (See also Action HSSC11/36). |  | Decision |
|  | Maritime Autonomous Surface Ships | HSSC11/68 | **HSSC** agreed that the IHO should be involved in the development of MASS concepts (for instance, as supporting organization identified in the IMO MASS work plan, in particular to raise the importance of data quality factors for autonomous navigation, etc.)…  …and invited **HSSC Members/IHO Member States** to consider the ways and means to provide expertise to the IMO Intersessional WG on MASS activities. | **Sep. 2019/ HSSC-12** | Decision |
| **7.3 IALA** | | | | | |
|  | S-2xx | HSSC11/69 | **HSSC** thanked IALA for its participation in the meeting and noted the information related to the development of S-2xx products. |  | Decision |
| **7.4 IEC** | | | | | |
|  | S-63 | HSSC11/70 (former HSSC10/54) | **ENCWG** to develop a draft proposal for mitigation measures for cyber security, to liaise with the CIRM Cyber Risk Management WG / IEC and make an impact assessment and further investigations, so HSSC can consider the need for updating S-63. | **ENCWG-4/HSSC-12** | On going  S-63 VTC on 29 Sep. |
|  | S-100 data authentification, quality assurance | HSSC11/71  (former HSSC10/55) | **S-100WG/DQWG** to continue the development of recommendations (incl. mitigations measures) and monitoring of cyber security and quality assurance issues as reported by IEC/INTERTANKO. | **HSSC-12** | On going |
|  |  | HSSC11/72 | **HSSC** thanked the IEC representative for his active participation in various IHO meetings and stakeholders’ forum, and noted the information provided. |  |  |
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| **7.5 CIRM** | | | | | |
|  |  | HSSC11/73 | **HSSC** noted the CIRM presentation and recommendations. |  |  |
| **7.6 ISO** | | | | | |
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| **7.7 OGC** | | | | | |
|  |  | HSSC11/74 | **HSSC** welcomed the offer made by OGC to **HOs**, who wish to participate in OGC TC meetings under the IHO-OGC MoU (contact: Mr Scott Simmons in HSSC List of Contact), as well as in OGC Marine Domain Working Group (no registration fee for IHO Member States). |  |  |
|  |  | HSSC11/75 | **HSSC** noted the OGC presentation and recommendations. |  |  |
| **7.8 ICPC** | | | | | |
|  | ICPC Charting WG | HSSC11/76 | **HSSC** noted the establishment of the ICPC Charting Working Group as a mean of meeting IHO-ICPC MoU and Road Map objectives, |  |  |
|  | International Seabed Authority, Deep Sea Mining | HSSC11/77 | Noting the existence/availability of shp files providing deep sea mining licenced fields, **HSSC**/**IRCC**/**IHO Sec.** to investigate with ISA the appropriateness to include designated mining boundaries in MSDI portals (datasets), and if yes, who can take the lead. | **IRCC-11/HSSC-12** |  |
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| **7.9 DGIWG and NATO GMWG** | | | | | |
|  |  | HSSC11/78 | **HSSC** noted the presentations. |  |  |
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| **8. Review of new developments and other information papers** | | | | | |
|  |  | HSSC11/79 | **HSSC** invited HSSC Members to take note of the information papers available on the HSSC-11 webpage. |  | Decision |
|  | Magnetic observations and drifting of the North Pole | HSSC11/80 | **HSSC** noted the presentation made by France on the moving of the North Magnetic Pole, and invited **ENCWG** to consider this topic to be included in its work plan.  IHO Resolution on magnetic observations was reminded. |  |  |
| **9.**  **Review and Endorsement of HSSC Work Plan and List of Actions** | | | | | |
|  | Work Programme | HSSC11/81 | **HSSC** approved the amendments proposed by the HSSC WGs and PTs’ Chairs to their Work Plans.  **IHO Sec.** to upload the consolidated version of the HSSC Work Plan accordingly. | **June 2019** | Decision  Complete |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  |  |  |  |  |  | | | | | | |
| **10. Date & Location of the next meetings** | | | | | |
|  | IHO Stakeholders’ Forum | HSSC11/82 | **HSSC** agreed to convene an IHO Stakeholders’ Forum in conjunction with HSSC-12, to be focused on navigation systems. | **HSSC-12** | To be reconsidered in 2021 at HSSC-13 (IHO CL 26/2020 refers) |
|  | HSSC-12  HSSC-13  HSSC-14 | HSSC11/83 | **HSSC** welcomed the confirmation from UK for hosting HSSC-12 (Bristol, 11-15 May 2020), Indonesia for its offer to host HSSC-13 in Bali, in May 2021, as well as Finland, for proposing Helsinki, in May 2022 for HSSC-14. |  | Decision  (IHO CL 26/2020 refers) |

1. See S-4, B-437.5 as useful reference. [↑](#footnote-ref-1)
2. Still under development. [↑](#footnote-ref-2)