**LIST of DECISIONS & Actions arising from HSSC-10**

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| **AGENDA****ITEM** | **SUBJECT** | **ACTION****No.** | **ACTIONS****(in bold, action by)** | **TARGET****DATE/EVENT** | **STATUS****(at 24 Apr 2019)** |
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| **1. Opening and Administrative Arrangements**  |
|  | Contact List | HSSC10/01 | **IHO Member States** and **Stakeholders** to provide the IHO Sec. with their updates to the HSSC List of Contacts. | **Permanent** | Last update2 April 2019 |
|  |  | HSSC10/02 | **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. | **Permanent** | See also IHO CL 36/2018 |
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| **2. Approval of Agenda**  |

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|  | Agenda and Timetable for HSSC-10 | HSSC10/03 | **HSSC** approved the agenda and associated timetable. |  | Decision |
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| **3. Matters arising from Minutes of 9th HSSC Meeting** |
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|  | E-navigation implementation | HSSC10/04(Former HSSC8/05 and HSSC9/03) | **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-11** |  |
|  | S-101&IMO Performance Standards | HSSC10/05(Former HSSC8/19 and HSSC9/04) | **S-100WG** 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. | **HSSC-11** | Liaison in progress with IEC |
|  | Equivalent T&Ps for ENCs | HSSC10/06(Former HSSC8/28 and HSSC9/62) | **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. | **HSSC-11** | In progress. 1st step: to provide some additional guidance in S-65. |
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| **4. HSSC Administration** |
|  | HSSC TORs | HSSC10/07 | **HSSC** endorsed the proposed amendments to the HSSC TORs. **HSSC Chair/IHO Sec** to submit these amendments to C-2 for endorsement and submission to A-2, and take the appropriate actions to ensure consistency with the amendments to be made to IHO Resolution 2/2007. | **C-2 (- 3 months = 9 July)** | DecisionDone |
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| **5. Reports by HSSC Working Groups** |
| **5.1 S-100 (S-100WG)** |
|  | S-100 Ed. 4.0.0 | HSSC10/08 | **HSSC Chair** to issue an HSSC CL seeking endorsement by correspondence of Ed. 4.0.0 of S-100 by HSSC Members**.****HSSC Members** to reply/provide comments if any by the end of August.**IHO Sec.** to issue a CL to IHO Member States seeking their approval on Ed. 4.0.0 of S-100. | **June 2018****Aug. 2018****Oct. 2018** | DoneDoneDone (IHO CL 50/2018) |
|  | S-97, Product Specification Guidebook | HSSC10/09 | **HSSC** endorsed the S-100 Product Specification Guidebook and agreed to include it within the S-100 work plan.**HSSC** assigned S-97 to the product specification guidebook |  | Decision |
|  | S-100 PS master plan and timeline | HSSC10/10 | **HSSC** endorsed the simplified S-100 master plan and the notional S-100 Timeline for Product Specifications (PS).**HSSC Chair** to include the timeline for PS in the HSSC report to C-2. | **9 July** | DecisionDone |
|  | S-101 | HSSC10/11 | **HSSC** agreed to the publication timeline of S-101 Edition 1.0.0 under the conditions depicted by the IHO Secretariat for the new Review Cycle for WG/PT Development Phase of Prod Specs that was endorsed with immediate effect (see below) |  | Decision |
|  | IHO Resolution 2/2007 | HSSC10/12 | **HSSC Chair** to report at C-2 and inform the Council on the new Review Cycle for WG/PT Development Phase of Prod Specs, seeking for Council’s endorsement as part of the revision process of IHO Resolution 2/2007 | **9 July** | Done |
|  | S-102 | HSSC10/13 | **HSSC Chair** to issue HSSC CL seeking endorsement by correspondence of Ed. 2.0.0 of S-102 by HSSC Members**.****HSSC Members** to reply/provide comments if any by the end of August.**IHO Sec.** to issue a CL to IHO Member States seeking their approval on Ed. 2.0.0 of S-102. | **June 2018****Aug. 2018****Oct. 2018** | DoneDonePostponed (HSSC Letter 2/2018 refers). Ed. 2.0.0 proposed for endorsement of at HSSC-11 |
|  | S-129 | HSSC10/14 | **UKCMPT** to justify iaw S-99 the need for the establishment of an UKCM Domain within the Feature Concept Dictionary | **HSSC-11** | Complete. UKCM Domain removed from m the FCD. All info in the Hydro Domain.  |
|  | S-121 | HSSC10/15 | **S-121PT** to justify iaw S-99 the need for the establishment of an Maritime Limits and Boundaries Domain within the Feature Concept Dictionary | **HSSC-11** |  |
|  | S-121 | HSSC10/16 | **HSSC** agreed to the publication timeline of S-121 Edition 1.0.0 under the conditions depicted by the IHO Secretariat for the new Review Cycle for WG/PT Development Phase of Prod Specs that were also endorsed with immediate effect |  | Decision |
|  | S-121 | HSSC10/17 | **HSSC** endorsed the publication timeline for S-121 Edition 1.0.0 – noting that the wider stakeholder review should include IHO Member States and ITLOS |  | Decision |
|  | S-121 | 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-10. | **From May 2018 until HSSC-11** | See also [Article](https://www.hydro-international.com/content/article/s-121-a-new-standard-for-maritime-limits-and-boundaries?utm_source=Newsletter+Superlist&utm_campaign=91396a7b2b-EMAIL_CAMPAIGN_2018_11_27_HYD&utm_medium=email&utm_term=0_9bcc6040d6-91396a7b2b-46371801&mc_cid=91396a7b2b&mc_eid=e9db45349f) dated 27 Nov 2018 in Hydro International |
|  | Interoperability | HSSC10/19(Former HSSC9/08) | **S-100WG** to consider how to incorporate generic interoperability into future editions of S-100 | **HSSC-11** |  |
|  | Test Bed Platform | HSSC10/20(Former HSSC9/18) | **S-100WG** to further develop and finalize the Test Bed Platform and associated guidelines to be used by developers of S-100 based products | **HSSC-11** |  |
|  | IHO Geospatial Information Registry | HSSC10/21 | **HSSC Working Group Chairs and Stakeholders** to note the intention to conduct a “IHO GI Registry Workshop” in conjunction with S-100WG4 (tentatively March 2019) and encourage any members of their WG that have been involved in the activities of the Registry to attend. | **S-100WG4 (March 2019)** | Done |
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| **5.2 ENC Standards Maintenance (ENCWG)** |

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|  | S-58 Ed. 6.1.0 | HSSC10/22 | **HSSC** endorsed Ed. 6.1.0 of S-58.**IHO Sec.** to issue a CL to IHO Member States seeking their approval on Ed. 6.1.0 of S-58 and informing on the date of entry into force (+12 months after the approval). | **June 2018** | DecisionDone (IHO CL 38/2018 refers) |
|  | S-58 test datasets | HSSC10/23(Former HSSC9/21) | **ENCWG** to manage the technical aspects of the contract (acceptance tests, etc.) and make these datasets available. | **HSSC-11** | Done |
|  | High Density Bathymetry ENCs | HSSC10/24(Former HSSC9/22) | **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 | **ENCWG-4/HSSC-11** | In progressENCWG Report to HSSC-11 refers |
|  | G-Series | HSSC10/25 | **HSSC Chair/IHO Sec** to include in the revision process of IHO Resolution 2/2007 a proposal that would divide the Appendix 1 into two parts:\* *Standards and Publications including…Guidance… that MUST follow the full process of IHO Resolution 2/2007*\* *Standards and Publications including … Guidance… that CAN BE developed and maintained WITHOUT following the full process of IHO Res 2/2007 - HSSC and IRCC decision.* | **HSSC-11** | Done (See Doc. HSSC11-04.5A) |
|  | IHO Resolution 2/2007 | HSSC10/26 | **HSSC WGs and PTs’ Chairs** to identify the standards that need to be included in the revised Appendix of IHO Resolution 2/2007 and submit them to HSSC Chair/IHO Sec. for consideration | **Dec 2018** | May affect **IRCC**Done for NIPWG (email 21 Sep 2018). To be discussed at HSSC-11, under agenda item 4.5 |
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| **5.3** **Nautical Information Provision (NIPWG)** |
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|  | M-3 | HSSC10/27 | **HSSC** endorsed the NIPWG amendments and proposals on IHO Resolutions 7/2009, 9/1932, 4/1937, 9/1962 and 4/1982.**IHO Sec.** to issue a CL to IHO Member States seeking their approval of the amendments and proposals. | **June 2018** | DecisionDone (IHO CL 39/2018 refers) |
|  | IHO Resolution 2/2007 | HSSC10/28 | Based on the proposals (incl. the new Review Cycle for WG/PT Development Phase of Prod Specs) and recommendations made at HSSC10, **HSSC Chair/IHO Sec** to consolidate the proposed revision of IHO Resolution 2/2007. | **HSSC-11 for C-3** | Done (See Doc. HSSC11-04.5A) |
|  | S-122, S-123 | HSSC10/29 | **HSSC** endorsed Ed. 1.0.0 of S-122 and S-123.**IHO Sec**. to issue a CL to IHO Member States seeking their approval of draft Edition 1.0.0 of S-122 and S-123. | **Aug 2018** | DecisionDone (IHO CL 45/2018) |
|  | E-Nav, IMO/IHO Harmonization Group on Data Modelling (HGDM), Maritime Services | 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 | **Oct. 2018** | Postponed (due to IHO website revamp) |
|  | E-Nav, IMO/IHO Harmonization Group on Data Modelling (HGDM), Maritime Services | HSSC10/31 | **HSSC WGs** to provide **NIPWG** with the description of Maritime Services based on IMO Maritime Services Template  | **Sept 2018** (deadline for submission to HGDM being **16 Oct 2018**) | Done |
|  | Maritime Services (former Maritime Services Portfolio) | HSSC10/32(Former HSSC9/46) | **NIPWG** to continue the coordination, for the HSSC WGs, of the actions related to the development and the use of a high level HGDM template for Maritime Services and provide recommendations on the way forward at the next HSSC meeting | **HSSC-11** | Invitation provided by NIPWG 29 May 2018. Coordination completed |
|  | Work items to be supported by Special Project Fund | HSSC10/33 | **NIPWG Chair** to provide an updated list of work items of the proposed work plans for 2019-2020, the development of which needs to be supported by the Special Project fund, highlighting priorities and timeline. | **1 June 2018** | Done |
|  | S-100-based Product Specs | HSSC10/34 | **IHO Sec** to set up an appropriate repository where IHO Prod Specs could be stored until the Registry is ready to host them. | **Oct 2018** | Done (http://s100.iho.int/S100/productspecs) |
|  | M-3, Submarine cables | HSSC10/35 | As part of the preparation of the new Edition of M-3, **IHO Sec.** to make available the Spanish version of IHO Resolution 4/1967 (submarine cables) | **June 2018** | Done (M-3, March 2017 – inc. Res. 4/1967 refers)  |
|  | Data Quality Checklist implementation | HSSC10/36 | **HSSC** agreed that the level of authority of Data Quality Checklist for Product Specifications is a recommendation, which can be adapted as necessary by WGs, under the condition that it will not create any potential interoperability issue.**S-100WG** to include this guidance in S-97. | **HSSC-11** | DecisionDone (Part C) |
|  | Data Quality Checklist implementation | HSSC10/37 | **HSSC WGs and PTs’ Chairs** to keep the DQWG informed on the DQWG recommendations related to Data Quality that have not been taken into account in the development of their Product Specifications [so the DQWG does not need to reiterate these recommendations at periodic reviews]**S-100WG** to include this guidance in S-97. | **Permanent****HSSC-11** | DecisionDone |
|  | Description of the use and limitation of S-100 based products | HSSC10/38 | **NIPWG** to propose a template for, or amendments to S-97 (Products Developer Guidance Document) describing the use of S-100 based products (front bridge/back bridge, …). | **Dec 2018** | Done |
|  | S-127 | HSSC10/39 | **HSSC** agreed to rename S-127 “Marine Traffic Management” |  | Decision |
|  | Development of S-100 based products | HSSC10/40(Follow-up Action HSSC9/26) | Based on Docs. HSSC10-05.3D&05.3F submitted by NIPWG, **HSSC/IRCC Chairs** to report to C-2 on the need for IHO Member States to initiate strategic discussions on the ways and means for an efficient implementation of S-100 based products including production and distribution. | **C-2** | Done (Doc. C2-4.3 refers) |
|  | XML workshop | HSSC10/41 | **HSSC** approved the proposal by NIPWG for an XML workshop to be held in Genoa in September 2018. |  | Decision |
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| **5.4 Nautical Cartography (NCWG)** |
|  | S-4 Edition 4.8.0 | HSSC10/42 | **HSSC** endorsed the proposed revisions to S-4 Edition 4.8.0 and invited the **NCWG Chair** to provide a red-line version and a clean copy of draft Edition 4.8.0 to the IHO Sec.**IHO Sec**. to issue a CL to IHO Member States seeking their approval of draft Edition 4.8.0 of S-4. | **June 2018****July 2018** | DoneDone (IHO CL 40/2018) |
|  | Portrayal  | HSSC10/43(Former HSSC8/03 and HSSC9/28) | **NCWG** to compile portrayal requirements relating to product specifications in general as part of its programme of work, following a protocol to be distributed to the other WGs. | **HSSC-11** | In progress |
|  | Nautical Accident | HSSC10/44(Former HSSC9/31) | **NCWG** to consider the 3 recent investigation reports (*Vasco de Gama, Nova Cura, Muros*) by correspondence if possible, or at their next meeting, and provide recommendations as appropriate | **HSSC-11** | Done |
| **5.5 Data Quality (DQWG)** |
|  | S-67 | HSSC10/45 | **HSSC** endorsed the proposed new title for the draft Publication S-67 as “*Mariners Guide to the Accuracy of Depth Information in Electronic Navigational Charts*” |  | Decision |
|  | CATZOC best practices | HSSC10/46 | **HSSC Chair** to report to IRCC on the possibility for the RHCs Members to share their best practices on the population of CATZOC values through the DQWG. | **IRCC-10** | Done |
|  | Proposal for Portrayal of Bathymetry Quality in S-101 | HSSC10/47(Follow-up of HSSC9/35) | **DQWG** to pursue the development of the conditional visualization methodology of quality of bathymetric data in liaison with **NCWG, NIPWG, ENCWG, S-101PT** | **HSSC-11** | In progress. Comments provided by NIPWG (Doc. HSSC11-05.5B refers) |
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| **5.6 Project Team on Standards for Hydrographic Surveys (HSPT)** |
|  | S-44 | HSSC10/48 | **HSSC** stressed the importance of the HSPT inter-sessional work.**HSPT Members** to provide inputs to the spreadsheet on S-44 identified limitations which will be a major focus at HSPT2 meeting in Niterói | **1 June 2018** | Decision |
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| **5.7 Tides, Water Level and Currents (TWCWG)** |
|  | S-111 | HSSC10/49 | **HSSC** agreed to the publication timeline of S-111 Edition 1.0.0 under the conditions depicted by the IHO Secretariat for the new Review Cycle for WG/PT Development Phase of Prod Specs that were also endorsed with immediate effect |  | Decision |
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| **5.8 Hydrographic Dictionary (HDWG)** |
|  | Participation in HDWG | HSSC10/50 | **CN** and **RF** to consider the possibility of appointing a member to the HDWG | **Sept. 2018** | Done for CN |
|  | Submissions of new terms to the Hydrographic Dictionary | HSSC10/51 | **HDWG** to prepare a template to be used by WGs when submitting new terms to the Hydrographic Dictionary | **Sept. 2018** | Done |
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| **6. Inter-Organizational Bodies** |
| **6.1 IHO-IAG Advisory Board on the Law of the Sea (ABLOS)** |
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| **7. Decisions of other bodies affecting HSSC** |
| **7.1 IRCC (incl. MSDIWG)** |
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| **7.2 IMO** |
|  | Maritime Services | HSSC10/52 | **IHO Member States/HSSC WGs** to consider greater participation at NCSR and HGDM[[1]](#footnote-1) meetings, particularly in view of the work being undertaken on Maritime Services and the S-mode (See also paragraph 7 of IHO CL 25/2018). | **HGDM2 (tbc)****NCSR-6 (Jan 2019, tbc)** | HGDM2 (29 Oct – 02 Nov)NCSR-6 (16-25 Jan. 2019) |
|  | IMO activities affecting HSSC | HSSC10/53(Former HSSC9/45) | **HSSC** to ensure that the HGDM monitors the on-going consideration by IMO Facilitation Committee (FAL) of the single-window concept  | **HSSC-11** | Not in the remit of HGDM. NCSR 6 agreed to invite the Facilitation Committee (FAL) to consider the Maritime Service descriptions 4 and 8 and provide comment |
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| **7.3 IALA** |
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| **7.4 IEC** |
|  | S-63 | 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-11** | In progress |
|  | S-100 data authentification, quality assurance | 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-11** | Discussed at DQWG-14 |
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| **7.5 CIRM** |
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| **7.6 ISO**  |
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| **7.7 OGC** |
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| **7.8 ICPC** |
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|  | Cables and Deep Sea Mining | HSSC10/56(Former HSSC8/68 and HSSC9/53) | Following proposal made to NCWG-3, **ICPC** to consider the possibility of participating in NCWG-4 for advocating the need to adapt S-4 charting specifications for submarine cables, taking into account deep sea mining (amendments to S-4 B-443.8). | **NCWG-4 (Nov 2018)** | Done |
|  | ICPC-IHO Action Plan | HSSC10/57 | **IRCC (in liaison with HSSC)** to consider the ICPC-IHO Proposed Roadmap (see Doc. HSSC10-07.8A) and the development of MoU Objectives to RHCs and HOs. | **IRCC-10/HSSC-11** |  |

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|  | GEBCO Seabed 2030 | HSSC10/58 | **HSSC/IRCC** to consider the comments made by ICPC on the GEBCO Seabed 2030 Roadmap (see Doc. HSSC10-07.8B) | **HSSC-11/IRCC-10** |  |
|  | GEBCO Seabed 2030 | HSSC10/59 | **HSSC** noted that ICPC supports the goals of Seabed 2030. |  | Decision |
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| **7.9 DGIWG and NATO GMWG** |
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|  | DGIWG and NATO GMWG activities affecting HSSC | HSSC10/60(Former HSSC9/56) | **HSSC** thanked UK for the offer for a liaison officer with DGWIG and NATO GMWG for matters affecting HSSC (development of AML S-501 to S-525 Product Specifications in particular) | **HSSC-11** |  |
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| **8. Review of new developments and other information papers** |
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| **9. Liaison with External Stakeholders** |
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|  | IHO / ECDIS Stakeholders’s Forum | HSSC10/61(Former HSSC9/57) | **IHO Sec.** to make a proposal at HSSC-11 for an IHO / ECDIS Stakeholder’s Forum to be held in 2020. | **HSSC-11**  | See also action C2/29 |
|  | List of Stakeholders’s Events | HSSC10/62 | **HSSC** agreed to discontinue the maintenance of the list of stakeholders’s events in this current form and to incorporate these events in the IHO Calendar |  | Decision |
|  | IHO Stakeholders’s Forum | HSSC10/63 | **NIPWG Chair** agreed to arrange an IHO Stakeholders’ Forum at NIPWG-6 (Tuesday 15 January 2019) that will cover the theme (Digital Nautical Publications) as proposed by IEC. | **NIPWG-6, January 2019** | Complete |
| **10.**  **Review and Endorsement of HSSC Work Plan and List of Actions** |
|  | Work Programme | HSSC10/64 | **HSSC** approved the amendments proposed by the HSSC WGs and PTs’Chairs to their Work Plans.**IHO Sec.** to prepare a consolidated version of the HSSC Work Plan accordingly | **Aug 2018** | DecisionSee Doc HSSC11-10A |
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| **11. Any other business** |
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| **12. Date & Location of the next meetings** |
|  | HSSC-11HSSC-12HSSC-13 | HSSC10/65 | **HSSC** welcomed the confirmation from South Africa for hosting HSSC-11 (Cape Town, 6-9 May 2019) and UK for hosting HSSC-12 (Taunton, May 2020) as well as Indonesia for hosting HSSC-13 (May 2021). |  | Decision |

1. Depending on the decisions to be made on this matter at MSC99 (from 21 May 2018). [↑](#footnote-ref-1)