

**LIST OF DECISIONS & ACTIONS ARISING FROM S-100WG8 2023**

- Final -

AGENDA ITEM	SUBJECT	ACTIONS (in bold, action by)	Remarks (Target) <i>As of 6 Feb 2024</i>
<b>1. Opening and Administrative Arrangements</b>			
1.2	Members	[Action 8/01] S-100WG Members are invited to update the list of S-100WG members and contact details.  <i>Left blank intentionally</i>	<i>Permanent</i>
<b>2. Approval of Agenda and ToRs</b>			
2.1	Agenda and Timetable	[Decision 8/01] S-100WG8 approved the agenda as presented at the meeting and associated timetable.  S-100WG8 noted that the election of the Chair and Vice Chair(s) of the S-100WG will take place under agenda 11.1. IHO Member States are invited to submit their nominations for these roles no later than 15 <sup>th</sup> November 2023.	
2.2	S-100WG TOR	S-100WG8 had reviewed its current Terms of Reference (ToR) and acknowledged the revisions make, taking into consideration tasks such as S-98, S-100 validation and gender balance.  [Action 8/02] S-100WG Chair to draft a revision of the S-100WGs ToR and submit it to the S-100WG8 meeting for endorsement.  [Decision 8/02] S-100WG8 endorsed the draft S-100WG ToRs.  [Action 8/03] S-100WG Chair to submit the revised S-100 ToRs to the HSSC for final approval.	S-100WG8 <i>(Completed)</i>  HSSC16
2.3	S-101PT TOR	[Decision 8/03] S-100WG8 approved the proposed draft Terms of Reference for the S-101 Project Team.  [Action 8/04] S-100WG Chair / IHO Sec to update the S-100WG's Work Programme with the S-101PT Work Plan provided by the S-101PT Chair.  <i>Left blank intentionally</i>	Feb 2024 HSSC16
<b>3. Matters Arising and S-100 Project Team Reports</b>			
3.1	WG7 Decisions and Actions	[Decision 8/04] S-100WG8 approved the draft version 2.1 decisions and actions from the S-100WG7 meeting as presented. The approved document is to be uploaded to the S-100WG7 webpage accordingly.	Nov 2023
3.2	Part15 (Ref. action 7/07, 6/41)  SENC (Ref. action 7/11, HSSC14/25)  Producer Code Register (Ref. action 7/33)	[Action 8/05] DPCG (lead by JP (IIC)) to submit the redline version of the Guidance Document for implementation of the S-100 Security Scheme to the S-100WG for approval.  [Action 8/06] S-100WG Chair/S-164 Sub-Group to address and demonstrate, through a security risk analysis on the application of S-100 Part 15, whether the need for SENC distribution is still justified in the S-100 world.  [Action 8/07] IHO Sec/KHOA to submit a change proposal regarding S-100 Producer Code Register for Part 2 of S-100.	S-100WG9  S-100WG9  S-100 Ed.6.0.0
3.3	HSSC15 report	S-100WG8 noted the HSSC15 decisions and actions presented by S-100WG Chair.	

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3.4	Council actions	<b>S-100WG8 noted</b> the actions of the IHO Council 7 <sup>th</sup> meeting (C-7) affecting the S-100WG as reported by <b>S-100WG Chair</b> , with specific attention given to C-7 action 4.1 related to the S-100 Roadmap.	
3.5	Assembly actions	<b>S-100WG8 noted</b> the IHO Assembly 3 resolutions concerning M-3 for S-100 as presented by the <b>S-100WG Chair</b> .	
3.6	S-101PT report	<p><b>[Decision 8/05] S-100WG8 approved</b> Ed.1.2.0 of the S-101 Product Specification for the Data Product Specification (Main Document) and Data Classification and Encoding Guide (DCEG). The Feature Catalogue and PC for Ed.1.2.0 of S-101 will be reviewed and approved by S-101PT, after which Edition 1.2.0 can be published.</p> <p><b>[Action8/08] S-100WG Chair</b> to forward the request for guidance on MRN to the NIPWG for discussion and consideration. Progress is to be reported by NIPWG/S-100WG Chairs to the next S-100WG.</p> <p><b>S-100WG8 noted</b> the need to include additional functions to support improvement of the ECDIS Pick Report and consider modifications to the S-100 Feature Catalogue or Portrayal model to support this in a future version of S-100.</p>	<p>S-100WG9</p> <p>S-100WG9/WG10</p>
3.6	S-101PT report	<p><b>[Decision 8/06] S-100WG8 approved</b> the proposed way ahead to deliver Edition 2.0.0 of the S-101 Product Specification as proposed.</p> <p><b>S-100WG8 noted</b> that there is a requirement for a new context parameter to enhance language functionality in ECDIS; and <b>agreed</b> that there is a need to consider the S-98 impact.</p> <p><b>[Action8/09] S-101PT Chair</b> to submit the request on the language functionality in ECDIS to the S-98 Sub-Group (SG).</p> <p><b>S-100WG8 noted</b> that there is a need to provide guidance and direction on the use of Github; and <b>agreed</b> that there is a need to consider adopting the approach used by the OGC.</p> <p><b>[Action8/10] S-100WG Chair</b> to invite the OGC to demonstrate their tools for document maintenance on the Github.</p> <p><b>S-100WG8 agreed</b> that there is a requirement to update S-100 Part 9 to add a new attribute “Automatic” and to revise the text CRS definition to enable full functionality of the text placement complex attribute as proposed to the meeting. It will be considered for the next extension of S-100.</p> <p><b>[Action8/11] Caris/NIWC/SevenCs</b> to provide clarifying language for text placement in S-100 Part 9 for S-100 Ed.5.2.0 to <b>IHO Sec.</b></p>	<p>Feb 2024 <b>(Completed)</b></p> <p>S-100WG9</p> <p>S-100 Ed.6.0.0</p> <p>Nov 2023 <b>(Completed)</b></p>

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3.7	S-102PT report	<p><b>S-100WG8 recommended</b> the S-102 Product Specification should be aligned with Edition 5.2.0 of S-100 because of the S-100 Part 15 digital signature correction.</p> <p><b>[Decision 8/07] S-100WG8 agreed</b> to seek approval of Edition 2.3.0 of S-102 through a S-100WG Letter in early 2024. Additionally, a timeline to Edition 3.0.0 of S-102 will be circulated for approval via S-100WG Letter.</p> <p><b>[Action8/12] S-102PT Chair</b> to submit Edition 3.0.0 of S-102 to the S-100WG Chair. Subsequently, <b>S-100WG Chair</b> to circulate the request to S-100WG members for endorsement through a S-100WG Letter.</p>	<p><i>Overtaken by events</i></p> <p>March 2024</p>
3.8	S-121PT report	<i>Left blank intentionally</i>	
3.9	S-129PT report	<p><b>[Decision 8/08] S-100WG8 approved</b> Edition 1.1.0 of the S-129 Product Specification as submitted.</p> <p><b>[Decision 8/09] S-100WG8 agreed</b> on the path forward for approval of Edition 2.0.0 of S-129 through a S-100WG Letter.</p> <p><b>[Action8/13] S-129PT Chair</b> to submit the revised timeline for Edition 2.0.0 of S-129 for consideration of the S-100WG.</p> <p><b>[Action8/14] S-100WG Chair</b> to circulate Edition 2.0.0 of S-129 through a S-100WG Letter for approval.</p>	<p>Dec 2023</p> <p>June 2024</p>
3.10	S100P PT report	<i>Refer to KHOA test bed presentation</i>	
3.11	S-164/98 SG report	<b>S-100WG8 noted</b> the presentation made by the S-164/S-98 Subgroup Lead.	
3.12	S-100 Validation SG report	<p><b>S-100WG8 noted</b> the presentation made by the S-100 Validation Subgroup Lead.</p> <p><b>[Action8/15] S-100WG Members</b> are invited to join the <b>S-100 Validation SG</b> and are requested to inform their intention to the <b>S-100 Validation SG lead/IHO Sec</b> at their earliest convenience.</p> <p><b>[Decision 8/10] S-100WG8 agreed</b> to a deadline for the development of S-100 Validation Checks, set for HSSC17 (2025).</p>	S-100WG9

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3.12	S-100 Validation SG report	<p><b>[Action8/16] S-100 Validation SG Lead</b> to provide a template for the validation part of S-100 based Product Specifications to the <b>S-100WG Chair</b> for circulation to Product Specification development Leads.</p> <p><b>[Decision 8/11] S-100WG8 agreed</b> to propose to HSSC to confirm the S-158 number for S-100 Validation Checks.</p> <p><b>S-100WG8 noted</b> that the validation part of the S-100 PS could be in a separate Appendix/Annex of S-158. However, S-100WG recognized the connection between the version of the Validation Checks Appendix/Annex and the referenced version of the PS.</p> <p><b>[Action8/17] S-100 Validation SG / IHO Sec (Jeff)</b> to investigate the maintenance of Validation Checks, whether within the S-100 PS themselves or separately (as Appendix/Annex to S-158). <b>S-100 Validation SG Lead</b> then to report the recommendations or outcomes to S-100WG9.</p> <p><b>S-100WG8 noted</b> that the next S-100 TSM meeting should focus on addressing the technical details of S-100 validation as one of the key discussion items.</p>	<p>Feb 2024</p> <p>HSSC16</p> <p>S-100WG9</p>
3.13	S-124PT report	<i>Left blank intentionally</i>	
4.0	General	<p><b>S-100WG8 noted</b> the presentation by the <b>S-100WG Chair</b>. The presentation encompassed Edition 5.1.0 of the S-100 Publication, proposals presented at the S-100WG8 meeting, and the updated S-100 Roadmap for phase 1 operational release of S-100 based Product Specifications in 2024.</p> <p>There was a discussion about the approval timeline and impact of Edition 5.2.0 of S-100 on S-100 PSs.</p> <p>S-100WG8 recommended that the Phase 1 S-100 Product Specifications should align with Ed.5.2.0 of S-100 in their first operation edition, subject to the completion of the approval process in 2024.</p> <p>It was noted that Ed.6.0.0 of S-100 would be deferred until after 2026 due to resource constraints and possible impacts on implementers.</p>	
<b>4. Proposals Post S-100 Ed 5.1.0</b>			
4.1	Part 9 LineStyle	<b>[Decision 8/12] S-100WG8 approved</b> the change proposal as submitted and <b>agreed</b> to incorporate it in S-100 as a clarification.	<i>Ed.5.2.0</i>
4.2/4.2A	Part 8 imagery and gridded data	<b>[Decision 8/13] S-100WG8 approved</b> the change proposal, which encompasses clarifications addressing language ambiguities and updates to Figure 8-19 for editorial improvement.	<i>Ed.5.2.0</i>
4.3	AugmentedRay	<b>[Decision 8/14] S-100WG8 approved</b> the change proposal as submitted and <b>agreed</b> to incorporate it into S-100 as a correction.	<i>Ed.5.2.0</i>
4.4	Part 10 (Table 10c-6)	<b>[Decision 8/15] S-100WG8 approved</b> the change proposal for a correction to Part 10c in principle, taking the comments from <b>Raphael M</b> into consideration. An amended proposal was submitted and <b>approved</b> during the meeting.	<i>Ed.5.2.0</i>

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4.5	Part 15 Key lengths	<p><b>S-100WG8 noted</b> the proposal for corrections to S-100 Part 15, taking into account the comments from the <b>BSH</b> against agenda item 6.6, and discussed its implications at both the national and international levels.</p> <p><b>[Action 8/18] IIC (Jonathan P)</b> to provide the updated S-100 Part 15 to <b>IHO Sec</b> to be incorporated into Edition 5.2.0 of S-100.</p> <p><b>[Decision 8/16] S-100WG8 approved</b> the revised draft S-100 Part 15.</p> <p>In addition, <b>S-100WG8 acknowledged</b> the requirement for implementation of the IHO data protection scheme using the revised key specifications at the earliest opportunity.</p>	<p>S-100WG8 <b>(Complete)</b></p> <p><i>Ed.5.2.0</i></p>
4.6 (6.20)	Interoperability Identifier	<p><b>[Action 8/19] IIC (Jonathan P)</b> to submit a change proposal along with a redline version of the pertinent Part of S-100.</p> <p><b>[Decision 8/17] S-100WG8 supported</b> the inclusion of an attribute as proposed, for a URN type in S-98 for an interoperability identifier.</p> <p><b>[Action 8/20] CCG (Eivind M.)</b> to draft changes to S-98, related to changes to MRN guidance in S-100 Part 3 to support the interoperability identifier.</p> <p><b>[Decision 8/18] S-100WG8 approved</b> the change proposal to S-100 Part 3, incorporating MRN as a correction.</p> <p>It was also <b>noted</b> that the consideration of the development of IHO MRN domain management was recommended by IALA.</p>	<p>S-100WG8 <b>(Complete)</b></p> <p>S-100WG8 <b>(Complete)</b></p> <p><i>Ed.5.2.0</i></p>
4.7 (Agenda 6.21)	Part 15 HW_ID and Definitions	<b>S-100WG8 recommended</b> that this issue should be considered by the <b>S-100 Security Scheme PT</b> .	
4.8 (Agenda 6.22)	Representation of DataCoverage Geometries in Part 17	<p><b>[Decision 8/19] S-100WG8 approved</b> the proposal clarifying the form of DataCoverage polygons allowable in S-100 Part 17 CATALOG.XML Exchange Catalogues.</p> <p><b>[Action 8/21] IIC (Jonathan P) and Raphael M</b> to provide a redline version of S-100 Part 17 reflecting the S-100WG8 Decision 8/18 to <b>IHO Sec</b> for incorporation in Edition 5.2.0 of S-100.</p>	<p>S-100 Ed.5.2.0</p> <p>Nov 2023 <b>(Complete)</b></p>
4.9	Catalogue and dataset versioning	<b>[Decision 8/20] S-100WG8 rejected</b> the proposal related to Catalogue and dataset versioning as it was noted that if there was a change to any part of a product specification that it would trigger a new version.	
4.10	Metadata extensions in Part 4 and 17	<b>[Decision 8/21] S-100WG8 approved</b> the change proposal for both S-100 Part 4 and Part 17, with the clarification that this is a requirement only for the Product Specifications to be used in S-100 ECDIS. Additionally, the proposal will take into account S-98 for the navigational system.	<i>S-100 Ed.5.2.0</i>
4.11	Metadata attribute noForNavigation	<b>S-100WG8 rejected</b> the change proposal for inclusion in a future Edition 6.0.0 of S-100	

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4.12	Part 9 (SVG profile)	<b>[Decision 8/22] S-100WG8 approved</b> the change proposal to replace S-100 Part 9, Appendix 9-B (SVG profile).  <b>[Action 8/22] KHOA</b> to upgrade the symbol editor as per the proposal and inform the S-100WG at earliest opportunity.	<i>S-100 Ed.5.2.0</i>  May 2024
4.13	Language Attributes in EC	The change proposal was withdrawn.	
4.14	Support files concept	<b>S-100WG8 noted</b> that the proposal is an extension to S-100.  <b>[Decision 8/23] S-100WG8</b> agreed to describe and include in S-98 Annex C in principle for S-100 part 17 service elements and create test datasets for those service elements and include them in S-164.  <b>S-100WG8</b> noted that it will be consider moving the service element principles from S-98 Annex C into S-100 part 17 as an Annex (S-100 Ed.6.0.0)  <b>[Action 8/23] S-164/S-98 Subgroup</b> to review the proposal and take appropriate actions for S-98 and S-164.	<i>S-100 Ed.6.0.0</i>  S-100TSM10
4.15	Water level info	<b>S-100WG8 noted</b> that the change proposal is an extension to S-100, referencing agenda item 6.17.	
4.16	Water level info	<b>S-100WG8 noted</b> that the change proposal is an extension to S-100, referencing agenda item 6.17.	
4.17	Part 10c array indexing, TIN data points	<b>[Decision 8/24] S-100WG8 approved</b> the change proposal to S-100 Part 10c as a clarification.	<i>S-100 Ed.5.2.0</i>
4.1-17		<b>[Action 8/24] IHO Sec</b> to consolidate/apply all changes approved by S-100WG8 in regard to Papers 4.1 to 4.17 for inclusion in S-100 Edition 5.2.0.  <i>Left blank intentionally</i>	Dec 2023 <b>(Completed)</b>
<b>5. S-98 Interoperability Specification</b>			
5.1	S-98PS	Refer to the progress report in agenda item 7.1 – S-164/S-98 report.	
5.2	Corrections for Mariner's information	<b>S-100WG8 noted</b> that the change proposal will be reviewed by S-98/S-164 SG.	
5.3	S-98 Annex C ECDIS legend	<b>S-100WG8 noted</b> that the change proposal will be reviewed by S-98/S-164 SG.	
5.4	S-98 Annex C overscale pattern	<b>S-100WG8 noted</b> that the change proposal will be reviewed by S-98/S-164 SG.  <i>Left blank intentionally</i>	
<b>6. S-100 General Topics</b>			
6.1	Review S-100 strategic plan	<b>S-100WG8 noted</b> the Roadmap for the S-100 Implementation Decade updated in October 2023 at the IHO Council 7 <sup>th</sup> meeting.  <b>[Action8/25] S-100WG Members</b> are invited to provide input or comments for the IHO strategic plan to the S-100WG Chair. <b>S-100WG Chair</b> to submit a proposal to the HSSC if deemed appropriate.	HSSC16
6.2	S-100 DF concept	<b>S-100WG8 noted</b> that the S-100 DF concept for S-100 ECDIS will be reviewed.	

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6.2	S-100 DF concept	<p><b>[Action 8/26] S-100WG Chair</b> to issue a S-100WG Letter, requesting inputs for the S-100 DF document from the S-100WG, NIPWG and TWCWG.</p> <p><b>[Action 8/27] S-100WG Chair</b> to draft the next version of the S-100 DF concept for consideration of the S-100WG and submit it to HSSC for approval when available.</p>	<p>Feb 2024</p> <p>S-100WG9/10</p>
6.3	S-100 resource page	<p><b>S-100WG8 noted</b> that the S-100 resource page hosted in the IHO Github is a repository to provide a single entry for implementers to access S-100 related resources such as the latest S-100 PSs and Test Data sets and testbed programmes.</p> <p><b>[Action 8/28] Project Team Leads</b> for S-100 PSs and <b>contributors</b> to the S-100 resource page are requested to keep <b>IHO Sec</b> informed of their updates whenever opportunities arise.</p>	S-100WG9
6.4	S-100 Infra system update	<p><b>S-100WG8 noted</b> the update and plan for the S-100 Infra Systems, GI Registry and S-100 toolkits, and acknowledged the tremendous investment by KHOA and KRISO in the effort to upgrade and improve the systems.</p> <p><b>[Action 8/29] KHOA / IHO Sec</b> to inform <b>S-100WG</b> and other domains on the updates of S-100 Infra Systems including key changes to the user manual once the systems are compatible with Edition 5.2.0 of S-100 as appropriate.</p>	Mar 2024
6.5	GI registry report	<i>Left blank intentionally</i>	
6.6	Part15 comments	<p><b>S-100WG8 noted</b> the comments submitted by BSH.</p> <p><b>[Action 8/30] S-100WG Chair</b> to provide the Part 15 comments paper to the <b>S-100 Security Scheme PT</b> for their consideration.</p>	Dec 2023
6.7	S-100 data service with SECOM	<p><b>S-100WG8 noted</b> the paper related to the IMO proposal to for the ECDIS Performance Standards to include IEC 63173-2 (SECOM) and initial experiences from AMSAs implementation.</p> <p><b>[Action 8/31] AMSA</b> to report to the S-100WG on the activities and/or issues pertaining to the SECOM.</p>	S-100WG9
6.8	9001 cell	<p><b>S-100WG8 noted</b> the status of the management of risks and opportunities for the timely and effective operationalization of S-101. Additionally, S-164 and S-98 are now part of the ISO 9001 cell scope.</p> <p><b>[Action 8/32] S-100WG Chair / IHO Sec</b> to support the ISO 9001 Cell to investigate the path of S-164 and S-98 development as referenced in the S-100 Roadmap.</p>	2024
6.9	Connection between S-124 and S-125	<b>S-100WG8 noted</b> the presentation made by the NIPWG chair.	

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6.10	Complex portrayal and pick reports	<p><b>S-100WG8</b> noted the paper and provided recommendation to the <b>NIPWG chair</b>.</p> <p><b>S-100WG8 supported</b> the suggested interim solution to fix issues and recommended to test the options proposed in the paper for Edition 6.0.0 of S-100.</p> <p><b>S-100WG8</b> noted the use-cases for complex portrayal and ECDIS Pick Reports; and <b>agreed</b> to investigate the best solution. <b>S-100TSM</b> will discuss it if available.</p>	<p>S-100 Ed.6.0.0</p> <p>S-100TSM10</p>
6.10	Complex portrayal and pick reports	<p><b>[Decision 8/25] S-100WG8 agreed</b> to include the interim solution in Edition 5.2.0 of S-100.</p> <p><b>[Action 8/33] NIPWG Chair / Raphael M</b> to provide a redline version of the relevant S-100 Part(s) to IHO Sec.</p>	<p>S-100 Ed.5.2.0</p> <p>Nov 2023</p>
6.11	Catalogue distribution	<p><b>S-100WG8</b> noted the current viewpoint of PRIMAR as a S-100 data service provider of not facilitating the distribution of S-100 catalogues to the end user system.</p> <p><b>S-100WG8</b> noted that the catalogues should be tested by OEMs prior to the publication of operational versions of S-100 PSs.</p>	
6.11	Catalogue distribution	<p><b>S-100WG8 observed</b> the distribution channels for the catalogues as such:</p> <ul style="list-style-type: none"> <li>• IHO release the digitally signed catalogues through the IHO website.</li> <li>• RENC distribution channel.</li> <li>• Catalogues distributed separately from the exchange sets</li> <li>• OEMs</li> <li>• VARs</li> </ul> <p><b>[Action 8/34] S-100WG Chair</b> to contact the relevant <b>IHO WGs/PTs</b> to discuss and address the issue. Subsequently, the <b>S-100WG Chair</b> to report the progress to the next S-100WG meeting.</p>	<p>S-100TSM10 / S-100WG9</p>
6.12	Basic portrayal catalogue	<p><b>[Decision 8/26] S-100WG8 supported</b> the development of IHO basic Portrayal Catalogues for all S-1xx Product Specifications for which a Portrayal Catalogue has not yet been developed; or is not a component of the S-1xx Product Specification package.</p> <p><b>S-100WG8</b> noted that the basic Portrayal Catalogue instruction to be considered as an nAnnex to S-97.</p> <p><b>[Action 8/35] S-100WG Chair</b> to share this request to the S-100 Infrastructure Center Establishment PT (ICE PT) to be considered in the scope of the S-100 Infrastructure Center; and to the S-100 TSM for the technical details.</p> <p><b>[Action 8/36] KHOA</b> to elaborate further in S-100 basic Portrayal Catalogue and present it for discussion during the next S-100 TSM meeting. The results of this discussion will be reported at the S-100WG meeting.</p>	<p>End 2023 S-100TSM10</p> <p>S-100TSM10 / S-100WG9</p>

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6.13	Ecological benefit/Safety study	<b>S-100WG8 noted</b> the paper presented by <b>KRISO/KHOA</b> .  [Action 8/37] <b>KHOA</b> to present the paper to the next HSSC meeting and consider publication via various channels such as Hydro International or appropriate international journals as appropriate.	HSSC16
6.14	Sample dataset/S-100 viewer	<b>S-100WG8 noted</b> the paper presented by <b>KRISO/KHOA</b> .	
6.15	Spatial attributes	<b>S-100WG8 noted</b> the paper presented by the NIPWG Chair, related to discrepancies with regard to how spatial attributes are described in S-100 and how they are implemented in the S-100 infrastructure.  <b>S-100WG8 recommended</b> that the S-124PT submit this change proposal to rectify the discrepancies for the next extension of S-100 when available.	S-100 Ed.6.0.0
6.15	Spatial attributes	[Action 8/38] <b>NIPWG chair</b> to provide a redline of the corrections for delivery to <b>IHO Sec</b> for Edition 5.2.0 of S-100.	<i>(Completed)</i>
6.16	ECDIS dataset handing	<b>S-100WG8 noted</b> the paper, related to consistent handling of datasets across Product Specifications.  The discussion was about the extension of S-100 metadata part to solve consistent handling of S-100 datasets in principle. However, the meeting noted that the extension shouldn't be supported at this point. (Referencing agenda 6.15)	
6.16	ECDIS dataset handing	<b>Raphael M</b> suggested that the requirement can be supported by Edition 5.1.0 of S-100, for instance by utilizing catalogue metadata.  [Action 8/xx] <b>IIC / Raphael M / PRIMAR / IEC-TC80 / UKHO</b> to discuss the issue and draft recommendations as appropriate.	S-100 Ed.6.0.0
6.17	Water level on ECDIS	[Decision 8/27] <b>S-100WG8 recommended</b> that the S-104 PS should focus on the initial scope of S-104, which is for water level adjustment to be applied in conjunction with S-102.  [Action 8/39] <b>S-100WG Chair</b> to communicate this S-100WG8 recommendation to the TWCWG Chair.	TWCWG8 <i>(Completed)</i>
6.18	Part10b implementation guidance	<b>S-100WG8 noted</b> the paper presented by <b>NTOU</b> .  [Action 8/40] <b>S-100 Validation SG</b> in consultation of <b>NIPWG Chair</b> to review the implementation guidance document and include changes to the Validation Checks guidance as appropriate.	S-100TSM10
6.19	Catalogue distribution	[Action 8/41] <b>S-100WG Chair</b> to submit this paper to <b>S-100 TSM</b> for discussion and report results to the next S-100WG (Referencing agenda item 6.11).	S-100TSM10
6.20	Interoperability Identifier	<i>Moved to agenda item 4.6</i>	
6.21	Part 15 HW_ID and Definitions	<i>Moved to agenda item 4.6</i>	
6.22	Representation of DataCoverage Geometries in Part 17	<i>Moved to agenda item 4.6</i>	
6.23	S-128 distribution	<b>S-100WG8 noted</b> the paper presented by the <b>UKHO</b> .	

AGENDA ITEM	SUBJECT	ACTIONS (in bold, action by)	Remarks (Target) As of 6 Feb 2024
<b>7. S-164 Test Dataset</b>			
7.1	S-164/S-98 report	<p><b>S-100WG8</b> noted the progress report made by the <b>S-164/S-98 Subgroup Lead</b>.</p> <p><b>S-100WG8</b> noted that the reviews for S-98/S-164 will be presented to the next S-100TSM10 in March 2024.</p> <p><b>[Action 8/42] HSSC Chair / S-100WG Chair / IEC-TC80 Chair / IHO Sec</b> to discuss the timeline for Edition 2.0.0 of S-164, taking into consideration the feedback received and the revision plan for IEC 61174. <b>S-100WG Chair</b> to report the recommended timeline to S-100WG8.</p> <p><b>[Decision 8/28] S-100WG8 approved</b> the plan and timeline for Edition 2.0.0 of S-164 which is scheduled for completion by the end of 2025.</p>	S-100WG8 <b>Done</b>
7.1	S-164/S-98 report	<p><b>[Decision 8/29] S-100WG8 agreed</b> the change of the scope of S-98 to include a distinct Appendix within S-98, defining checks for compatibility between datasets from different Product Specifications for defined purposes (in particular for S-98 water level adjustment).</p> <p><b>[Decision 8/30] S-100WG8 agreed</b> to change of the scope of S-98 Annex C to include the portrayal specifications for Manual Updating and Editing.</p> <p><b>S-100WG8 confirmed</b> that Edition 2.0.0 of S-98 should be submitted to HSSC in 2024 taking into consideration the S-100 Roadmap.</p> <p><b>[Action 8/43] S-164 SG lead / IHO Sec</b> to discuss a way forward for the test datasets to support testing of the S-100 Part 15 security scheme.</p>	S-100WG9
<i>Left blank intentionally</i>			
<b>8. S-100 Validation</b>			
8.1	Validation tests and cross-PS	<p><b>S-100WG8</b> noted the paper presented by S-100 Validation Subgroup Lead.</p> <p><b>[Decision 8/31] S-100WG8 approved</b> the proposal on the different types of validation requirements at the S-100 Product Specification level and the overall S-100 level.</p>	
8.1	Validation tests and cross-PS	<p><b>[Action 8/44] S-100 Validation SG</b> to coordinate with the <b>S-98/S-164 SG</b> and <b>DQWG</b> to clarify the definitions and scope of the different validation tests. S-100 Validation SG Lead to submit their recommendations to the next S-100WG for discussion if appropriate.</p>	S-100WG9

AGENDA ITEM	SUBJECT	ACTIONS (in bold, action by)	Remarks (Target) As of 6 Feb 2024
8.2	Naming convention/structure of the validation test	<p><b>[Decision 8/32] S-100WG8 endorsed</b> the standardisation of a naming convention with the use of the Product Specification number at the front of the Validation Check and the use of Check IDs.</p> <p><b>[Decision 8/33] S-100WG8 endorsed</b> the updating of S-97 to include a guidance/template on a standardised naming convention for Checks and a core Check structure, the structure being extensible in Product Specifications as the WG/PT responsible for the PS considers necessary.</p> <p><b>[Action 8/45] S-100 Validation SG Lead</b> to submit the draft guideline/template to <b>S-100WG</b> for approval via a S-100WG Letter.</p> <p><i>Left blank intentionally</i></p>	<p>S-97</p> <p>Jan 2024</p>
<b>S-100 Test Bed Reports</b>			
9.1	Test Bed	<p><b>S-100WG8 noted</b> the test bed report presented by <b>KHOA/NOAA</b></p> <p><i>Left blank intentionally</i></p>	
<b>External Liaison Reports</b>			
10.1	ENCWG	<i>Left blank intentionally</i>	
10.2	NCWG	<i>Left blank intentionally</i>	
10.3	NIPWG	<b>S-100WG8 noted</b> the verbal report from the <b>NIPWG Chair</b> regarding S-128 PS development.	
10.4	DQWG	<p><b>S-100WG8 noted</b> the summary of the papers submitted by <b>DQWG</b>.</p> <p><b>S-100WG8 recommended DQWG</b> to submit change proposals to S-100 if appropriate to the next S-100WG meeting.</p>	S-100 Ed.6.0.0
10.5	ISO	<i>Left blank intentionally</i>	
10.6	OGC	<b>S-100WG8 noted</b> the verbal report related to the activities of the OGC Marine Domain Working Group.	
10.7	IEC	<b>S-100WG8 noted</b> the verbal report from the <b>IEC/T80 chair</b> , related to the progress of the revision of IEC 61174.	
10.8	IEHG	<i>Left blank intentionally</i>	
10.9	JCOMM/WMO S-412	<p><b>S-100WG8 noted</b> the paper.</p> <p><b>S-100WG8 noted</b> the timeline for Edition 2.0.0 of S-41X and invited WMO/JCOMM to share further progress reports to the S-100WG/HSSC when available.</p>	
10.10	IALA	<b>S-100WG8 noted</b> the plan for a Joint IHO-IALA Workshop on S-100/S-200 in Sep 2024, USA.	
10.11	GMWG	<b>S-100WG8 noted</b> the presentation made by the <b>GMWG</b> .	
		<i>Left blank intentionally</i>	
<b>Any Other Business</b>			
11.1	Office bearers	<b>[Decision 8/34] S-100WG8 elected Ms Julia Powell (USA), Ms Elizabeth Hahessy (DK) and Mr Benjamin Hell (SE)</b> as Chair and co Vice-Chairs respectively of the S-100WG.	
11.2	S-100 Ed.5.2.0	<p><b>[Decision 8/35] S-100WG8 agreed</b> to a way forward for S-100 Edition 5.2.0.</p> <p><b>S-100WG8 noted</b> that <b>HSSC chair</b> intends to draft a HSSC Letter announcing WGs/PTs to submit their updates and proposal Ed.2.0.0 of S-100 PS.</p>	
		<i>Left blank intentionally</i>	

AGENDA ITEM	SUBJECT	ACTIONS (in bold, action by)	Remarks (Target) <b>As of 6 Feb 2024</b>
<b>Date &amp; Location of the next meetings</b>			
12	Meetings	<p><b>[Decision 8/36] S-100WG8</b> agreed to hold its series of S-100WG meetings as followings.</p> <ul style="list-style-type: none"> <li>- <b>TSM-10:</b> March 2024 in Monaco</li> <li>- <b>WG-9:</b> 4 - 8 Nov 2024 in Genova, Italy</li> <li>- <b>TSM-11:</b> Spring 2025 in Monaco</li> <li>- <b>WG-10:</b> Fall, 2025 in Bali, Indonesia</li> </ul>	