**LIST OF DECISIONS & ACTIONS ARISING FROM S-100TSM9 2023**

* Draft 0.2 -

| **AGENDA****ITEM** | **SUBJECT** | **ACTIONS****(in bold, action by)** | **Remarks****(Target)** |
| --- | --- | --- | --- |
|  **Opening and Administrative Arrangements**  |
| 1 | Members | *Participants introduced themselves.**Intentionally blank* |  |
| 2.1 | Agenda and Timetable | **[Decision 10/xx] S-100TSM** approved the agenda and associated timetable as presented. |  |
| 2.2 | *(Action TSM 9/07)* | [**Action 10/xx]** **S-100WG Chair** to highlight HSSC in the S-100WG report a gap regarding the need for a Guidance Doc. for implementation of the S-100 Security Scheme.  | HSSC16 |
|  **Matters Arising** |
| 3.1 |  |  |  |
|  **S-100 Proposals**  |
| 4.1 | Part 10c - Metadata file name | **[Decision10/xx] TSM10 supported** the change proposal to embed metadata in the root group as shown in Table 10c-6 in the proposal, making the HDF5 attribute that names the external metadata file, Optional. This change aligns with S-100 Part 17. | *correction* |
| 4.2 | Part 9 – Hatch fill corrections | **TSM10** observed discrepancies between the UML model, table in S-100 Part 9, and the associated schema. However, consensus was not achieved during the discussion. It was acknowledged that this issue needs resolution.**TSM10 recommended** submitting the issue asa change proposal to the S-100WG for consideration in the next edition of S-100. **[Decision10/xx] TSM10 agreed** to correct the inconsistencies related to multiplicity and naming, specifically changing to “lineStyle” to “line” in the table 9-12.5.1.7 and 9-12.5.1.8 of Part 9, as proposed by Navto.  |  |
| 4.3 | Permit file and signature corrections | **[Decision 10/xx] S100TSM10 supported** the proposal change as proposed with the exception of the specialized notes. |  |
| 4.4 | Element changes caused by ISO update | **TSM10 noted** that this proposal is not corrections for Ed.5.2.0 of S-100. Consequently, it was requested that the proposal be submitted to S-100WG for consideration in Ed.6.0.0 of S-100.[**Action 10/xx**] **S-100WG Chair** to contact **DQWG Chair** to solicit inputs and/or comments on Part4a metadata of S-100 including Agenda 4.4. Furthermore, it is recommended to submit any change proposals deemed appropriate to Ed.6.0.0 of S-100.  | *2024* |
| 4.5 | Part 15 | **[Decision 10/xx] TSM10 supported** the following proposal:1. To include textual information, as provided by Sweeden, to describe IHO certificate usage as both Scheme Administrator and Data Server.
2. To update openssl sample commands in table 15-8 and 15-9 to reflect ECDSA used with a P-384 curve and SHA-384 algorithm.
3. To add textual information to describe the use of formalised identifiers and roles in the Data Server Certificate, this information must be provided by the applicant in a certificate signing request (CSR). 4. Clarify the encoding of scheme Administrator in table 8.11.1.
* Part 8.5.1\_agreed in principle but not in S-100. But need to fix typo and improve language such as schema admin can also be data server.
* Part 8.4 and 8.4.1\_need to check in the final draft Ed.5.2.0
* Part 8.4 and 8.4.2\_ need to check in the final draft Ed.5.2.0
* Part 8.5.2\_should be considered in the separate guidance document. ICE PT/S-100 SS PT could be taken into consideration. (**S-100WG Chair** to forward this issue to the S-100 SS PT)
* Part 8.4.2\_S-98 annex C should be considered as a reference doc. (**S-100WG Chair** to forward this issue to the S-100 SS PT) And will be discussed in S-98 Annex C.
* Table 8.11.1\_agreed to add the proposal in the remark colom as an example.
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| 4.6 | Corrections to Part4a,4c,6,7, and 8 | **[Decision 10/xx] TSM10 supported** the submitted change proposal and proceeded to submit it through the comments for Ed.5.2.0 of S-100.  | Draft S-100 Ed.5.2.0 |
| 4.7 | Corrections to Part 10a and 10b | **[Decision 10/xx] TSM10 supported** the proposal. | Draft S-100 Ed.5.2.0 |
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|  **S-164** |
| 5.1 | S-98 Topics to discuss | **TSM10** discussed the selected topics:1. Official/Unofficial

**[Decision 10/xx] TSM10** **supported** to clearly distinguish between official and unofficial data in S-98 Annex C. It was recommended that definitions for the roles be outlined in a separate document, which could be incorporated into the S-100 security scheme guideline document. **However, TSM10** **agreed** to retain the draft definitions for the roles regarding official/unofficial in S-98 until a new designated place is established for them. [**Action 10/xx**] **PRIMAR** to update the S-100 data protection scheme application ensuring the role (ST field in CSR) of an applicant becomes mandatory.[**Action 10/xx**] **S-100WG Chair** to contact **S-100 SS PT Chair** to discuss incorporating the role of the data protection scheme participants within the Guidance Doc. for implementation of the S-100 Security Scheme. **TSM10** recommended that **FURUNO** bring up the matter of implementing a machine-readable format for S-57 producer code at the forthcoming ENCWG meeting. 1. Versioning revisited.

**TSM10** discussed that the guidance on versioning for the Product Specification (PS) found in Annex C of S-98 should be moved and incorporated into S-97.**[Decision 10/xx] TSM10 confirmed** that the versioning guidance provided in current S-98 should be simplified for the implementers. This simplification includes the addition of a straightforward table to illustrate the relationship between the product and catalogue. [**Action 10/xx**] **IIC (JP)** to propose the versioning guidance for the S-100 PS to be incorporated into the S-97. This involves managing the versioning of the S-100 PS in conjunction with associated catalogues. 1. Dual Fuel “Data Loading” (view of the ECDIS) and “Equivalence”

 **TSM10 noted** that the ECDIS lacks information for selecting priority data. It was noted that S-128 is a place to indicate the information of available of the date and up-to-datedness.**TSM10** **noted** regarding the presentation on C-18.1 display of data available in both new and legacy formats will be retained for testing by implementors. 1. Part 10b / GML Implementation

**[Decision 10/xx] TSM10** **recommended** including an implementation guideline in S-97 about the relationship between GML schemas and Feature catalogues prior to the publication of GML Schema for Phase 1 products (S-128, S-124, S-129).[**Action 10/xx**] **NIWC/NIPWG Chair/IIC (JP)** to develop a guideline document regarding the procedures between GML schema and Feature Catalogues. | *By end of June 2024**Mar 2024* *(S-100 SS PT5)**S-100WG9*S-97*S-100WG9* |
|  | S-164 | **TSM10** noted that test data and scenarios for the water level adjustment using S-102, S-104, and S-111 are priority. They encouraged the sharing of test data sets for evaluation.  **[Decision 10/xx] TSM10** supported to submit a paper regarding including NEWOBJ into the S-101 FC to the S-101PT meeting in June 2024 so that the ECDIS Chart 1 will function correctly.**[Action 10/xx] IIC (JP)** to submit a paper regarding NEWOBJ for ECDIS Chart 1.**[Action 10/xx] BSH** to make German S-128 test data (latest version) available to the community by the end of Q2 2024. |  |
| 5.1 Slides2 |  | **TSM10 noted** that presentation slide version2 on the status of S-98 /S-164 issues and plans to address comments from subgroup members.[**Action 10/xx**] **S-98SG** **lead/S-100WG Chair** to present a concept and/or mechanism of Water Level Adjustment (WLA), especially for S-102PT and S-102 data producer at the next S-100WG meeting.**TSM10** noted that a necessity of information or document about the WLA for the HO data producer. It was recommended in other publication or article to illustration the function of WLA. | *Nov 2024* |
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|  **S-100 Validation** |
| 6.1 | Progress(Ref. S100WG8-8.2) | **S-100TSM** noted the progress report from the S-100 Validation Sub-Group (VSG) Chair. [**Action 10/xx**] **S-100VSG Chair** to submit a guidance document regarding the template and standard naming convention for the S-100 validation to S-97.[**Action 10/xx**] **IHO Sec** to invite S-100 VSG Chair to participate in the training session organized for the IHO Marine Spatial Data Infrastructure Working Group (MSDIWG).*Note:* IHO Sec along with the S-100 ICE PT to evaluate the document of a guidance document and training focused on managing document, particularly for S-100, utilizing GitHub for document management. [**Action 10/xx**] S-100WG Chair/S-100 VSG Chair to propose management system to HSSC regarding structure of S-100 validation including the validation for the PS such as 158 S-100 generic validation and S-158:101e1.0.0 for S-101 Ed1.0.0. New publication for validation part should be in the ToR of WG/PT if approved by HSSC.[**Action 10/xx**] **7Cs (Hendric)** to send a demonstration video for WLA to IHO Sec promoting new feature of S-100.**TSM10** noted that the need to create brochures or videos that can introduce the appeal or new features of S-100.  | *S-100WG9* |
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|  **S-98** |
| 7.1 | Unresolved items |  |  |
| 7.2 | Portrayal of shared edges | **[Decision 10/xx] TSM10** supported the change proposal to S-98 Annex C as a guidance for implementer.[**Action 10/xx**] **S-98 SG lead** to incorporate the change proposal to S-98 as optional. | *April 2024* |
| 7.3 | Cancellation traceability | **[Decision 10/xx] TSM10 confirmed** that the digital signature of the Exchange Catalogue ensures sufficient security and traceability for fileless cancellations. |  |
| 7.3a | Fileless cancellation | **[Decision 10/xx] TSM10 agreed to incorporate the proposal into S-100 part17, as amended the sentence during the meeting.** [**Action 10/xx**] **PRIMAR** to provide the final amended proposal to S-100WG Chair and IHO Sec. | *Mar 2024**(Completed)* |
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|  **S-100 Test Bed Reports** |
| 8.1 | Risk |  |  |
| 8.28.2a | Catalogues management | **TSM10 discussed manging catalogues from the development stage to the final publication stage.** **[Action 10/xx] S-100WG Chair/S-100 ICE PT Acting Chair** to provide the concerns of the S-100 ICE PT - ICE PT to discuss and consider a Catalogue review and validation process, based on the papers S100WG8-6.19 and TSM10-8.7. | *S-100 ICE PT5* |
| 8.38.3b | Catalogue and Dataset versioning | **PRIMAR** presented a paper addressing the establishment of a mechanism for linking a dataset to a version of a catalogue (Portrayal Catalogue, Feature Catalogue), which is currently absent in S-100. The issue was discussed at S100WG8 and subsequently forwarded to TSM10 for further discussion. **[Decision 10/xx] TSM10 supported** the principle of versioning for product specification elements with the following conditions:* The first two numbers of the version should always be synchronous.
* For Catalogue (FC/PC) Clarifications (2.1.1,2.1.2 and so on) it is always the latest available version that should be expected used together with a dataset, as the clarifications will always be backwards compatible.

**[Action10/xx] TSM10, led by IIC/PRIMAR,** to draft guidance on the versioning logic for S-97 and S-98 Annex C. | *Mar 2024(S-98)**S-100WG9(S-97)* |
| 8.3a |  | **TSM10** noted that comments paper 8.3a care over the S-100WG8 agenda is not suitable to discuss at TSM10 meeting. |  |
| 8.4 | S-124 implementation | **TSM10** noted the presentation made by CCG (Mong) |  |
| 8.5 | S-100 tools update | **TSM10 noted** that the presentation made by KRISO (Oh). **[Action10/xx] S-100WG Chair/KHOA/IHO Sec** to organize a series of workshops on S-100 Tool kits for S-100PS developers, aimed at providing guidance on their utilization for the development of S-100PS. | *Taking into consideration of time zone for the participants* |
| 8.6 | Basic Portrayal Catalogue | **[Decision 10/xx] TSM10 supported** the development of Basic Portrayal Catalogue (BPC) and provided support for the guidelines on its utilization in S-97. Additionally, TSM members were encouraged to provide comments to enhance the BPC. |  |
| 8.7 | Catalogue checking process | *Left blank intentionally* |  |
|  |  | *Left blank intentionally* |  |
|  **Any Other Business** |
| 9.1 | Drawing index | **TSM10** noted discussion that outlines technical challenges associated with handling the cross-boundary management of S-101 cells at different display scales. [**Decision 10/xx**] **TSM10 agreed** in principle to move forward with the change proposal for the drawing index, optional and restricted # of the index. as proposed during the meeting.**[Action10/xx] NIWC** to refine the change proposal proposed during the meeting taking into consideration of the discussion at the meeting andto contact **7Cs (Holger)** for their comments.**TSM10** noted that the guideline regarding drawing index should be in S-65.**[Action10/xx] S-164SG lead** to prepare the test data for testing the current algorism and the change proposal for the drawing index supported by TSM10 meeting. **Baltic countries** to share the date sets for testing the proposal of the drawing index in their project. **[Action10/xx] NIWC/IIC** on behalf of **TSM10** to submit adding the drawing index to the S-101PT for consideration putting in the Ed.1.3.0 of S-101PS for the test. If not addressed to resolve this technical issue, then request **S-101PT Chai**r to share alternative solution(s) to S-100WG for conclusion. | S-101PT13(Issue #71 in S-101 DCEG Github)(Completed)*Mar 2024**April 2024**Mar 2024* |
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|  **Review of Meeting Actions** |
| 10 |  |  |  |
|  **Date & Location of the next meetings** |
| 11 | Meetings | [**Decision 10/xx**] **S-100TSM10** agreed to hold its series of S-100TSM meetings as followings.* **TSM-11**: 10-14 March 2025 / Monaco
* **TSM-12:**  2026 / Monaco (tbd)
* **TSM-13**: 2027 / Monaco (tbd)
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