**LIST OF DECISION & ACTIONS ARISING FROM S100TSM8**

2-4 March 2021 - Virtual Meeting

Draft

Note: Due to the limited time that we have for this meeting we will be focusing on S-98 and DF ECDIS as our primary discussion

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| **AGENDA**  **ITEM** | **SUBJECT** | **ACTION**  **No.** | **ACTIONS**  **(in bold, action by)** | **TARGET**  **DATE/EVENT** | **STATUS**  **(at 11 Mar.2021)** |
| 1. **Opening and Administrative Arrangements** | | | | | |
| 1. **Approval of Agenda** | | | | | |
| TSM8-02A | Agenda for S-100TSM8 |  | S-100TSM8 approved the agenda. |  | Decision |
| TSM8-02B | S-100TMS7 actions |  | **TSM Members** are requested to provide that updates to previous S-100TSM actions be supplied to the IHO Sec. as soon as possible. | **End of March 2021** |  |
| 1. **Matters Arising** | | | | | |
| 1. **S-98 Interoperability / S-100 Part 16** | | | | | |
| TSM8-4.1 | Meeting Objectives |  | **TSM8 agre**e to focus on   * Major comments from the S-98 review and a way forward for remaining comment adjudication * Overview of ECDIS-DF and creation of a governance documents * Considering technical proposals for S-100 Ed 5.0.0 |  | Decision |
| S-98 comment adjudication |  | **TSM8 recognized** difficulty to adjudicate in a large meeting, however, several comments have been identified that require wide group discussion as followings;   * Tide adjustment * SENC distribution |  |  |
| S-98 Tidal adjustment |  | **Comments from Furuno(C-5.1g)**  **Furuno proposed** that there needs to be mechanism to easily (user-friendly) jump between the ENC datum level depth value and tidal adjusted depths.  **TSM8 discussed** objectives, user benefit, technical requirement such as harmonized function to display multiple PSs, and document structure. |  |  |
|  | **TSM8 agreed** to allow for tidal adjustment in S-100 ECDIS and **approved** the proposed wording, however it needs to be amended based on the discussion. |  | Decision |
| TSM8-1 | **Chair organizes** a small experts group to make a final draft wording and **proposes** to S-100WG for approval. | S-100WG6 |  |
| SENC distribution |  | **Comments from France and IIC(C-5.3, para 3.2)**  **France questioned** that SENC concept applicable to S-100 based products or only for S-101 ENCs?  **IIC noted** that “this imply that ENC is not synonymous with S-57/S-101 only?” This doesn’t say that all the information “necessary for safe navigation” is contained in the S-57 feature catalogues – the line of reasoning would be that ENC is everything for safe navigation, therefore S-101 + S-102 is also “ENC” in that context, and S-102 is not ‘degrading” the display at all in the IMO Re. A.823 sense.  **TSM8 discussed** the definition of the SENC referencing the IMO performance standards, removal or not, and historical reason to be used. |  |  |
|  | **TSM8 agreed** that the SENC leave in for now. However, the SENC concept will be discussed later when the test is mature enough. |  | Decision |
| TSM8-4.1 | Alerts |  | **Comments from IIC and NIWC( C-8.3)**  **IIC addressed** the thorny issue of whether S-100 ECDIS is able to suppress alerts when multiple product specifications are loaded under interoperability. IIC offered a clarification as introduced in the presentation. |  |  |
|  | **TSM8 accepted** the NIWC clarification proposal, but noted that this work in progress and extensive testing is required. |  | Decision |
| S-98 Way Forward |  | **TSM8 agree** that the rest of comments dealt with a small group of experts over a series of VTC’s  **Participants**: NICWC, Tom Mellor, Hannu Peiponen, Izzy KIM, Raphael, IIC, Yong BAEK, Alison Contreras, Tom Richardson |  | Decision |
| TSM8-2 | **Chair submits** the revised draft S-98 and S-100 Part 16 to S-100WG for a final review. | S-100WG6 |  |
| TSM8-3 | **Chair informs** S-100WG reschedule of S-98 Ed 1.0.0 and in subject to S-100WG approval, Chair reports to HSSC13 that S-98 Ed 1.0.0 will be delayed until 2022 to be tied to S-100 Ed 5.0.0 which is scheduled for 2022. | HSSC13 |  |
| TSM8-4.5 | S-401 interoperability |  | **IEHG** inquired a way forward how to implement the interoperability for the inland S-100 based PSs since the S-98 only allows the S-101 ENC as the base layer and needed to be consistency between products when mariners are transitioning from one form of navigation to another, for instance from S-101 to S-401. |  |  |
|  | **TSM8 agreed** that S-401 would be included as base data in S-98 for S-100 ECDIS. |  | Decision |
| TSM8-4.6 | Interoperability Catalogue |  | **TSM8 noted** the interoperability Use Case Study which is under development of ROK-US joint project.  T**SM8 discussed** some potential scenario such as generation of safety contour, products for each IC level, consideration of alerts and indication, and metadata etc.  **TSM8 commented** that this is a good first step in testing interoperability, but more extensive testing with more complicated scenarios will need to take place. |  |  |
| TSM8-4 | **NOAA, KHOA reports** the progress of the S-98 IC Use Case study at the next S-100WG/TSM. | S-100WG6 / TSM9 |  |
| 1. **S-100 General Discussion** | | | | | |
| TSM8-5.1 | DF-ECDIS |  | **TSM8 took** a note of the contents of the presentation made by IIC(JP).  **TSM8 discussed** target audience such as HO, ship owners, definition of DF-ECDIS and DF-ENC, and structure/constraints of the governance document.  **AK(IHO Sec.) proposed** to simplify matters and focus on S-100 ECDIS that should be able to display S-57. The term Dual Fuel ECDIS creates the impression of an interim ECDIS which will not be attractive. |  |  |
|  | **TSM8 agreed** to use the term, DF-ENC and S-100 ECDIS, during the transition period and continue to move this forward. |  | Decision |
| TSM8-5 | **Chair request** S-100WG for approval of the way forward for DF concept of S-100 ECDIS including request of special funds to HSSC13. |  |  |
| TSM8-5.2 | S-128 |  | **TSM8 took** a note of the presentation made by Izzy(KHOA)  **TSM8 discussed** governance of the S-128 PS, use cases such as the up-to-datedness of the holding on-board in ECDIS. |  |  |
|  | **TSM8 agreed** to develop S-128 Use Case based on KHOA’s Use Case template.  **Participants**: IIC(JP), CHS(EM), Furuno(Hannu), Primar, BSH, NOAA |  | Decision |
|  |  | TSM8-6 | **Chair requests** S-100WG members to provide KHOA their S-128 use case scenario with the template. | S-100WG6 |  |
| TSM8-5.3 | S100 Online Testbed |  | **TSM8 took** a note of the presentation made by Izzy(KHOA).  **TSM8 supported** the S-100 Open Online Platform (S-1OOP) project in general and **agreed** to establish acorrespondence group (CG) to move forward.  **Participants:** KHOA(lead), : IIC(Jonathan Prichard), Alison Contreras(UK), Raphael, Mikus. Liz(DK), Jar Gaute Vartdal. Eivind. Odd Foere(Noreay), NGA(Kevin Dickens). Hannu(IEC), Sun dongli(China). Inga Fjellanger, Odd Dwiyana, Robert Sandvik, Mikan(NIWC), Stelios Contarinis(NTUA) |  | Decision |
| TSM8-7 | **KHOA reports** activity and progress of the S-1OOP at S-100WG/TSM meeting. | Permanent |  |
| TSM8-5.4 | IMO and S-100 |  | **Chair presented** a progress of IMO MSC (82) on revised performance standards for Electronic Chart Display and Information systems (ECDIS) which rescheduling of NCSR8 in view of the pandemic. The output could thus, at the earliest, be included in the next biennial agenda of 2022-2023. |  |  |
| 1. **S-100 Proposals** | | | | | |
| TSM8-6.1 | S100 Metadata Update |  | **TSM8 took** a note of the update S100 metadata section and **agreed** Metadata Correspondence Group to continue to work through outstanding issues. |  | Decision |
| TSM8-8 | **Chair cleans up** the redline and **submit** to S-100WG6 for final review and approval for S-100 Ed 5.0.0. | S-100WG6 |  |
| TSM8-6.2 | S100 Units and Measure |  | **TSM8 supported** in general and **agreed** to move forward to S-100WG as a full proposal. |  | Decision |
| TSM8-9 | **S-101PT chair submit** it to S-100WG for approval. | S-100WG6 |  |
| TSM8-6.3 | DisplayMode mutiplicity |  | **TSM8 agreed** to move forward to S-100WG6 as a full proposal |  |  |
| TSM8-6.4 | Part10a Unknown Attribute Values | TSM8-10 | **NIWC to coordinate** with Holger Bothien to ensure that it complies with ISO 8211.  **TSM8 agreed to move forward to** S-100WG6 as a full proposal in subject to outcome from coordination between NWIC and HB | S-100WG6 |  |
| TSM8-6.5 | Vertical CRS vice Datum in Metadata | TSM8-11 | **TSM8 requires** additional discussion with **NIWC(lead), TWCWG, HA, HB, TR, RM** before moving forward to S-100WG6 as a full proposal. | S-100WG6 |  |
| TSM8-6.6 | Part 9 Updates Describing Input XML |  | **TSM8** agreed to move forward to S-100WG6 as a full proposal |  | Decision |
| TSM8-6.7 | Validation of Portrayal Input | TSM8-12 | **TSM8 requires** additional discussion with **NIWC(lead), HP and HB** before moving forward to S-100WG6 as a full proposal. | S-100WG6 |  |
| TSM8-6.8 | Roles in Feature Catalogues |  | **TSM8 requires** additional discussion with RM, HA, EM, HB, NIWC before it can move to S100WG6. | S-100WG6 |  |
| TSM8-12 | **Chair sets up** a VTC meeting to solve the issue. |  |  |
| TSM8-6.9 | Clarify Portrayal of Cross - Feature Dependencies |  | **TSM8 agreed** to move forward to the S100WG6 as a full proposal. |  | Decision |
| TSM8-6.10 | Realtime data handling way forward proposal |  | **TSM8 requires** **IIC(JP)** to consider the effect on other parts within S-100 as part of the full proposal and move forward to S-100WG6. |  | Decision |
| TSM8-6.11 | Revision of GML Annex |  | **TSM8 requires** additional discussion with JP, RM, EM, HB, HA, NIWIC before it can move to S100WG6. |  | Decision |
| TSM8-13 | **Chair sets up** a VTC meeting to solve the issue. |  |  |
| TSM8-6.12 | Additional Vertical Datums for S-104 |  | **TSM8 agreed** to move to consideration by the metadata correspondence group to add the datums to the listed values. Implementation of Codelist to be discussed further. |  | Decision |
| TSM8-6.13 | Part 9 input XML / Portrayal Catalogue (XSD) |  | **TSM8 agreed** to move forward to the S100WG6 as a full proposal. |  | Decision |
| TSM8-6.14 | S-100 Geometry and Validation |  | **TSM8 agreed** to move forward to the S100WG6 as a full proposal. |  | Decision |
| TSM8-6.15 | S-100 Part 9 Bearing and Distance Offset |  | **TSM8 recommended** HA to join in the Text Placement discussion group under S-101PT. |  |  |
| TSM8-6.16 | Separating S-102 PS by Purpose (Nav and Data Exchange) |  | **TSM8 took** a note of the presentation made by CHS(LP).  **TSM8 support** to continue development of S-102 as a navigational PS. |  |  |
| 1. **Review of Meeting Actions** | | | | | |
|  | Actions | TSM8-14 | **IHO Sec.(YB) circulate** a draft decision and actions of the meeting to the participants for their comments. |  |  |
| 1. **Date and Venue of Next Meeting** | | | | | |
|  |  |  | No discussion. **To be announced** in a timely manner. |  |  |
| 1. **Close of Meeting** | | | | | |