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

- Ver1.0 -

AGENDA ITEM	SUBJECT	ACTIONS (in bold, action by)	Remarks (Target)
Opening and Administrative Arrangements			
1	Members	*Intentionally blank*	
2.1	Agenda and Timetable	**[Decision 9/01] S-100TSM** approved the agenda and associated timetable as presented.	
2.2	*(Action TSM 8/4)*	**[Action 9/01] NOAA, KHOA** reports the progress of the S-98 IC Use Case study at the next S-100WG/TSM.	S-100WG8
	(Action TSM 8/7)	**[Action 9/02] KHOA reports** activity and progress of the S1OO project at S-100WG/TSM meeting.	S-100WG8
Matters Arising			
3.1	S-100WG7 Actions GML *(Action WG7/3)*	**[Action 9/03**] **SHC(lead), RM and JP** to draft the implementation guidance for Part 10b and **S-100WG Chair** to circulate the draft guidance to the S-100WG for approval.	S-100WG8/ (Target: S-100 Ed.5.2.0)
	GML *(Action WG7/4)*	**[Action 9/04**] **RM** to submit Paper 4.3D to NIPWG for their comments and resubmit to S-100WG for consideration at the next meeting.	S-100WG8/ (Target: S-100 Ed.5.2.0)
	Units of Measure *(Action WG7/5)*	**[Action 9/05] IHO Sec/KHOA** to amend the GI Registry to be consistent in terms of fields and terminology with S-100 2a-4.2.11 and to expose a Units Of Measure Codelist for users.	
	S-100 Infra *(Action WG 7/6)*	**[Action 9/06**] **Chair/KHOA/IHO Sec** to check the S-100 Infrastructure for the S-100 PCB, UML Models and S-100 GitHub Schemas and updates as required.	
	Part15 *(Action WG 7/7)*	**[Action 9/07] DPCG (lead by JP (IIC))** to submit the redline version of the Guidance Doc. for implementation of the S-100 Security Scheme to the S-100WG for approval.	
	Part15 *(Action WG 7/8)*	**[Action 9/08] S-100WG Chair** to report the resource requirement on the IHO Sec in regard to supporting the S-100 Security Scheme.	
	Part 17 *(Action WG 7/22)*	**[Action 9/09**] **PRIMAR** to propose to the next TSM an explanatory note for Part 17 SupportFileDiscoveryMetadata attribute SupportedResource.	Done
	Management of External Resources *(Action WG 7/23)*	**[Action 9/10] PRIMAR/IIC** to submit a draft change proposal to the next TSM meeting.	
	Record Order ISO8211 *(Action WG 7/27)*	**[Action 9/11] DG, JP, TP and HA** to work on concerns from the meeting and report recommendation to the next TSM.	
	Schema namespace in XSD/XML *(Action WG 7/28)*	**[Action 9/12] SevenCs, NIWC, T-CARIS, IIC** to work further and submit a change proposal at the next TSM9 meeting.	
	Primary association *(Action WG 7/29)*	**[Action 9/13] NIWC, SevenCs, IIC, T-CARIS to submit** a change proposal taking into consideration both Papers 4.20 and 4.20A to the next S-100 TSM meeting in March 2023; and submit the outcomes to HSSC for approval if agreeable solution is made.	
	Dataset Naming Convention *(Action WG 7/37)*	**[Action 9/14] IC-ENC** to share the proposal with the NIPWG and TWCWG for their comments, and report the next TSM for further discussion; and submit to S-100WG8 for approval.	

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3.1	Validation workshop *(Action WG 7/41)*	[**Action 9/15**] **S-100 Validation Sub-Group** to update the validation diagram taking into consideration discussion during the meeting and report to the next TSM meeting for discussion.	
S-100 Proposals			
4.1	Proposals from TSM8	[**Noted**] **S-100TSM** noted that this is an optimization and the focus has been on advancing show-stoppers. Redlines needed to advance the proposal. [**Action 9/16**] **S-100WG chair** to invite NIWC to submit a proposal to the next S-100WG for further discussion.	
4.2a 4.2b	Revised Part 8	[**Decision 9/02**] **S-100TSM** endorsed the corrections to S-100 Part 8 and the accompanying S-100 maintenance proposals to other Parts of S-100 from the papers TMS9-4.3 and 4.4 being alignment with the revised Part 8 as proposed at the meeting**.** [**Action 9/17**] **S-100TSM** discussed the questions and recommendations in the Recommendations section in the paper addressing issues from the revised Part 8 and will circulate to the S-102PT and TWLWG for information and consideration. [**Action 9/18**] **RM** to update S-100 UML models reflecting the proposals endorsed at the meeting once the Edition 5.1.0 of S-100 approved by the S-100WG. [**Action 9/19**] **S-100WG Chair** to invite S-102 Project Team and TWCWG for their comments on the changes and submit them to S-100WG for approval.	(Target: S-100 Ed.5.1.0) April 2023 April 2023 March 2023
4.3	Revised Part 8	[**Decision 9/03**] **S100TSM** endorsed the proposal change as presented.	(Target: S-100 Ed.5.1.0)
4.4 4.5	Alignment with the revised Part 8	[**Decision 9/04**] **S-100TSM** endorsed the draft redline of S-100 Part 10c as proposed at the meeting subject to the final revised Part8. *Note: The paper TSM9-4.4 should be applied in the Part 10c.*	(Target: S-100 Ed.5.1.0)
4.6	Machine Readability for S-124 GUI	**S-100TSM** discussed their questions raised and provide some concerns to S-124PT chair as followings; S-412 Weather Warning has the similar concerns of the requirement as proposed. HP mentioned that the context parameter in the portrayal catalogue could provide the function partially. It would be considered in S-98 and S-100 Part 9. S-164 is a place for the type approval to consider the requirement without further new functions to the ECDIS. The multiplicity in replacedData a guidance in S-97 how to capture the user interface requirements and where these needed to be placed for multiple product specifications to be harmonized and it was recommended to submit a paper to the next S-100TSM/S-100WG meeting for discussion if appropriate.	

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4.7	ISO8211 description of Complex Attri.	**[Decision 9/05] S-100TSM** endorsed the proposal to add to better describe the NATC, ATIX, PAIX and their use as proposed in the meeting. **[Noted]** the Proposed SENC to be replaced with system database.	(Target: S-100 Ed.5.1.0)
4.8	Data discovery Metadata	**[Decision 9/06] S-100TSM** endorsed the proposal but the explanatory note proposed cover various use cases. **[Action 9/20] Svein, Edward** to draft the Note in Part 17 regarding the Boolean and discuss it during the TSM9. **[Note] S-100TSM** noted that it should be generalised to cover not only a case for user service provider but also other use cases.	(Target: S-100 Ed.5.1.0) Done
4.9	notForNavigation	**[Decision 9/07] S-100TSM** deferred to the Ed 6.0.0 of S-100.	(Target: S-100 Ed.6.0.0.)
4.10	ServiceSDataModel	**S-100TSM** noted that the corrections in the paper to be included in the Edition 5.1.0 of S-100 as S-100WG7 approved.	
4.11	LineSymbol Placement *(S-100WG7-4.6)*	**[Decision 9/08] S-100TSM** endorsed the proposal to be included in Ed 5.1.0 of S-100 as a correction.	(Target: S-100 Ed.5.1.0)
4.12	Alert Catalog *(S-100WG7-4.7)*	**[Decision 9/09] S-100TSM** endorsed the proposal to be included in Ed 5.1.0 of S-100 as a correction.	(Target: S-100 Ed.5.1.0)
4.13	Spatial Relations *(S-100WG7-4.9)*	**[Decision 9/10] S-100TSM rejected** the proposal and recommend to S-101PT to consider in the product specification as an encoding issue.	
4.14	Primary Association *(S-100WG7-4.20/20a)*	**S-100TSM** noted that some discussion has been taken prior to S-100TSM9 meeting, however the consensus has not been reached. No new change proposal has been developed since then.	
4.15	External Resources	**[Decision 9/11] S-100TSM** discussed and recommended to the items in the proposals as followings; 1. Consider reversing decision of support files being used by multiple products in S-100. [**Not accepted**] 2. Mandating introduction of a new support file to be distributed with a dataset file. [**Not accepted**] 3. Mandating that support files cannot be shared across products from different product specifications. [**Accepted**] 4. a) Mandate updating of S100_SupportFileDiscoveryMetadata attribute supportedResource under the specific conditions that can arise due to multiple datasets referencing the same external resource. [**Accepted**] (*Incorporated into agenda-4.8*)	(Target: S-100 Ed.5.1.0)

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4.15	External Resources	b) Mandate updating of S100_SupportFileDiscoveryMetadata attribute supportedResource. [**Accepted as an optional**] *(Taking into consideration with the Agenda 4.17)* *5.* Clarify how a support file can be deleted from the end user system without having an accompanying support file in the data delivery exchange set. [**Accepted**] (*Incorporated into agenda-4.8)* 6. Be aware of time differences when multiple datasets reference to the same support file. [**Noted**] **[Action 9/21] PRIMAR** to draft a change proposal on the items accepted at the meeting and submit them during S-100TSM9 meeting for final check.	Done
4.16	Dataset Cancellations	[**Decision 9/12**] **S-100TSM** rejected the item A - *Fileless cancellation and digital signature* - and item B - *Dataset life cycle* - in the proposal and recommended a proposer to contact S-101PT for their intention to use. **[Action 9/22] S-100WG Chair** (supported by PRIMAR) to approach WENDWG to discuss severity of cancellation traceability. **[Action 9/23] JP** to draft a change proposal to explicit in S-100 part 17 and revisit the proposal during the TSM9 meeting for endorsement.	(Target: S-100 Ed.5.1.0) Done
4.17	External Resources	[**Decision 9/13**] **S-100TSM** endorsed the proposal as presented at the meeting. **[Action 9/24] JP** to include Annex A (describing the management of external resources extended description) in the input paper to S-98.	(Target: S-100 Ed.5.1.0) S-100WG8
4.18	SupportedResource and resourcePurpose	[**Decision 9/14**] **S-100TSM** agreed on the intention of the attribute supportedResource and resourcePurpose in principle to be: - The intended use of supportedResource is to indentity resources (e.g., datasets) that use his support file. - The intended use of resourcePurpose is to describe the purpose of the support file. [**Decision 9/15**] **S-100TSM** deferred changing the multiplicity of supportedResource to Edition 6.0.0 of S-100 and recommended to S-101PT for their consideration in the product level. **[Action 9/25] SS, EK, JP, HP** to draft a note to edit the remarks field in attribute supportedResource to "*Define conventions for the identifiers to be used for attribute supportedResource*" in the proposal to S-100 Part 17 and submit them to the S-100TSM9 for further consideration. **[Action 9/26] JP** to implement in S-98 that file URI is the chosen identifier to be used in ECDIS.	(Edition 6.0.0 of S-100) Done (Target: S-100 Ed.5.1.0) Done

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4.18		**[Decision 9/16] S-100TSM** agreed to update the Coldelist as proposed in the paper and incorporated into the draft redline version of S-100.	
4.19	revisionStatus vs editionNumber	**[Action 9/27] S-100TSM** to monitor the action 7/24 of S-100WG7 and draft a proposal to the revision of S-100 if appropriate.	S-100WG8
4.20	ISOMetadata	**[Decision 9/17] S-100TSM** endorsed to proposal as presented at the meeting. **[Action 9/28] S-100WG chair** to inform S-100 Project Teams that ISOmetadata should be not considered in the navigational products.	(Target: S-100 Ed.5.1.0) S-100WG8
4.21	UML	**[Decision 9/18] S-100TSM** agreed to add the UML diagram containing the class details for data protection as proposed. **[Action 9/29] JP and RM** to create the UML diagram reflecting the proposal and submit to IHO Sec for the draft redline Ed.5.1.0 of S-100. **[Action 9/30] BSH** invited to submit a change proposal on an explanatory note to S-100 digital signature as a general framework in Part 15 for the Ed.5.2.0 of S-100	 April 2023 (Target: S-100 Ed.5.2.0)
4.22	Part 15 Schema	**[Decision 9/19] S-100TSM** accepted the proposal item No.1, No.2, No.3 and the review common notations in Part15. A place for holding No.3 explanatory note located in S-98 as agreed at the meeting. **[Action 9/31] JP** to draft redline in Part 15 reflecting the item No.3. **[Action 9/32] RM** to conduct a complete review to ensure common notations used in the Part15 and examples, UML diagram and XSD class definitions.	 April 2023 April 2023
4.23	ISOMetadata	**[Decision 9/20] S-100TSM agreed** to Edition 5.1.0 of S-100 in general and consider it into S-100 once a redline of S-100 is available. **[Action 9/33] EK** to adjust the paragraph proposed at the meeting and submit them to S-100TSM9 for final check.	(Target: S-100 Ed.5.1.0) Done
4.24	Protection Scheme Policies	**[Decision 9/21] S-100TSM** accepted the proposal as presented. [**Noted**] **S-100TSM** recognized that an application process for the protection schema should be reviewed as a whole taking into consideration with the cyber security. [**Action 9/34] S-100WG** chair to send S-100WG letter seeking comments of the proposal by the end of March 2023.	 March 2023
4.25	S100_ProductSpecification reference	**[Decision 9/22] S-100TSM** accepted item No.1 only in the proposal. The remaining items will be discussed at the next S-100WG if appropriate. [**Action 9/35] S-100WG** chair to invite NIWC to provide details on second item in the proposal to TSM members and submit them to S-100WG for approval.	(Target: S-100 Ed.5.1.0) S-100WG8

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4.26	Concepts for association	**S-100TSM** noted the information paper on the use of association and information types. **S-100TSM** noticed that the user interface should be based on S-100 concept Plug and Play in general. [**Action 9/36**] **NIPWG** chair to inform the progress on the use of association and information type at the next S-100WG meeting.	S-100WG8
4.27	SVG Profile	[**Action 9/37**] **S-100WG chair** to invite **DG** and **HB** to submit a change proposal regarding SVG profile.	S-100WG8
	Redline Part 10a, Part14, Part 15, Part17	[**Decision 9/23**] **S-100TSM** accepted redline version of S-100 the Part 10a, Part 14, Part 15 and Part 17 as presented at the meeting. [**Action 9/38**] **JP** to add the figures and text from Annex A (S100TSM9-4.17 paper) into S-98 Annex C referencing a redline Part 17-4.3.1.	March 2023
		Left blank intentionally	
	S-164		
5.1 5.2	Draft S-164	[**Decision 9/24**] **S-100TSM** accepted the proposal and a way forward to the draft Edition 1.0.0 of S-164 and finalize the draft package Edition 1.0.0 of S-164 in three weeks. [**Action 9/39**] **S-100WG chair** to circulate the draft Ed.1.0.0 of S-164 to S-100WG for approval. [**Action 9/40**] **S-100WG chair** to send S-164 spreadsheet to the Project Teams regarding S-98 Phase 1 products S-101, S-102, S-104, S-111, S-124 and S-129 for their comments. **S-100TSM** noticed that the Edition 2.0.0 of S-164 must be applied to the operational edition of S-100 product specifications listed in Phase 1 of the S-98.	March 2023 March 2023
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	S-100 Validation		
6.1	Progress	**S-100TSM** noted the progress report from the Validation sub-group and Test Datasets and development timeline by 2024.	
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	S-98		
7.1	Unresolved items	**S-100TSM** noted that the unresolved will be discussed via the Github.	
7.2	Shared Edge	[**Decision 9/25**] **S-100TSM rejected** the change proposal and recommended it to be considered in S-100 validation.	
7.3	Tighter control	**S-100TSM** noted the paper and discussed proposed changes to S-98 and S-164.	
7.4	S-128	**S-100TSM** member invited to test the edition 1.0.0 of S-128, especially the up-to-datedness service.	

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7.5 7.5a	Official vs Unofficial	**[Action 9/41] S-100WG chair** to invite S-100WG / NIPWG / ENCWG / S-124PT to join the workshop of the S-100 data protection scheme taking into consideration with S-98, S-128, S-100 Part 15 and etc. **[Action 9/42] S-100 DPS Sub-Group** to draft a gaps and findings to S-98. **[Note] S-100TSM** recognized that S-62 producer code hasn't been mandated to be updated in the ECDIS, however, S-100 should be mandatory in some manners.	HSSC15/ S-100WG8 S-100WG8
7.6	Viewing Group *(S-101PT5 Test Report)*	Noted.	
		Left blank intentionally	
S-100 Test Bed Reports			
8.1	S-100 Infra	**S-100TSM** noted the presentation regarding the status and upgrade plan of S-100 Infra. **[Action 9/43] KHOA to set up** IHO Github repository for the user feedback. **[Action 9/44] S-100WG chair/KHOA/IHO Sec** to consider to host S-100 Toolkit workshop to deliver the new functions for S-100 based product specification developers in 2023.	 April 2023 October 2023
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Any Other Business			
9.1	S-41x	**S-100TSM** noted the presentation of S-41x development and discussed encryption, digital signature, interoperability with other S-100 products. S-100TSM recognized that S-41x should be considered in the S-98. **[Action 9/45] JS** to provide IHO Sec the updated title and scope of S-41x product specifications.	 April 2023
		Left blank intentionally	
Review of Meeting Actions			
10			
Date & Location of the next meetings			
11	Meetings	[**Decision 9/26**] **S-100TSM** agreed to hold its series of S-100TSM meetings as followings. - **TSM-10**: 12-15 March 2024 / Monaco - **TSM-11:** Spring 2025 / Monaco (tbd) - **TSM-12**: Spring 2026 / Monaco (tbd)	