16th S-123 Marine Radio Services Task Group (S-123TG) Meeting
July 25, 2023 – Worldwide

Annex A: Agenda   Web Resources
Annex B: List of Attendees   NIPWG Wiki: S-123
Annex C: List of Action Items   NIPWG Product Specifications Website

1.0   Opening Remarks

BG opened the meeting and welcomed the participants.

2.0   Approval of Agenda

The agenda was adopted with no modifications.

3.0   Approval of S-123TG15 Minutes

The group approved the first draft of the meeting minutes as the final version.

Action Item 01: BG to send finalized S-123TG15 minutes to the group.

Action Item 02: RM to upload finalized S-123TG15 minutes to the NIPWG Wiki.

Action Item 03: BG to send finalized S-123TG15 minutes to be uploaded to the NIPWG website.

4.0   Follow-Up on NIPWG 2023 VTC 2 Meeting

NIPWG 2023 VTC 1, Action Item #06:
Task Group leads to continue to discuss the topic of GML within their teams (who are working on GML products), for futher refinement, and send ongoing input to RM.

- This is for when issues arise regarding GML. Ongoing

HSSC15/40: All products in the process of being aligned with S-100 Ed. 5.1.0 (except S-131).

- This also includes any remaining challenges such as Portrayal.
- To be discussed in Point 7.0 of this meeting.

S-123TG update:

NIPWG suggested to move forward with simplifying the DCEG regarding **informationConfidence** by merging 6.2.1.2 and 6.2.1.3 as suggested by the S-123 task group in the update presentation.

Action Item 04: BG to update feedback document with NIPWG decision regarding informationConfidence.

Remodelling of the radiocommunications complex attribute proposal:

NIPWG supports testing of this new data model that will most likely be included in Edition 1.1.0.

RM brought up during the VTC that "transmission" and "broadcasts" appear to be synonyms.

- Need to make sure that "TransmissionDetails" and "BroadcastDetails" are well-defined with the source provided when entering these concepts into the GI Registry.

Action Item 05: SJC to provide the definitions and sources for "TransmissionDetails" and "BroadcastDetails."

NIPWG 2023 VTC 2, Action Item #01:

Task Group leads to prepare plans on how to implement Data Quality based on the recommended template of the Data Quality chapter of 'S-1XX Data Product Specifications' developed by DQWG. Deadline: NIPWG-10.

The DQWG provided a recommended template (NIPWG-VTC02-03.2B) that aligns with S-97 Part C: Data Quality.

RM mentioned during the VTC that S-123 Edition 1.0.0 preceded the development of S-97 Part C, which is why it is currently not included.

- The data quality chapter and the data validation checks appendix are related, but also overlap quite a bit. The data quality chapter is expected to be included in the main part of the S-123 Product Specifications.
- RM: There is language in the template about product specifications including a standalone quality report but it still needs clarification.
- S-131 includes a data quality section based on the current version of S-97 Part C, which includes an older version of the DQWG language.
- The data quality check itself would be done during the production process, but would not be sent to the end user, there being no current provision for reporting the results of data quality checks to the end user system.
- The review of the recommended template should be brought up at a future S-123TG meeting as it is slated to be reviewed (and most likely approved) during the S-100WG in November 2023.

Action Item 06: BG to consult with NIPWG chair (EM) where data quality checks fit in the larger scheme of all Product Specifications.

Action Item 07: BG to update feedback document regarding the addition of a data quality chapter for the next edition (2.0.0) of the S-123 Product Specifications.

Action Item 08: BG to bring up at a future S-123TG meeting the review of the DQWG recommended template to determine which sections apply to S-123.

NIPWG 2023 VTC 2, Action Item #09:

Task Group leads to review SHOM presentation and mark up items which belong to each Task Group. Deadline: NIPWG-10

- This is referring to the gap analysis between the French Sailing Directions and S-100 based nautical publications conducted by SHOM.
  - o The S-123TG has reviewed the presentation and there did not seem to be anything related to S-123. However, it is possible that Sailing Directions publications may refer to other publications that would contain content that would fall under S-123.

Action Item 09: BG to include in the next S-123TG update presentation the findings from the task group regarding the gap analysis by SHOM.

5.0   Review of Action Items from S-123TG15

Action Item	Action Description	Status
TG9/04	**JP** to provide an updated description for the DCEG regarding GMDSSArea (emphasis on administrative boundaries) (Wait for discussion at S-100WG in regard to overlapping coverage issue)	**Ongoing**
TG14/04	**JP** to send list of work items as presented in the S-122 and S-127 task groups' updates during NIPWG 2023 VTC 1 to BG.	**Completed** 2023-07-25
TG14/05	**BG** to bring up the list of work items at a future S-123TG meeting to make sure that all the elements to produce a new version of the S-123 Product Specification are accounted for.	**Completed** 2023-07-25
TG14/07	**BG** to include in the next S-123TG update presentation the recommendation from the group regarding informationConfidence.	**Completed** 2023-06-12
TG15/01	**BG** to send finalized S-123TG14 minutes to the group.	**Completed** 2023-06-01
TG15/02	**RM** to upload finalized S-123TG14 minutes to the NIPWG Wiki.	**Completed** 2023-06-20
TG15/03	**BG** to send finalized S-123TG14 minutes to be uploaded to the NIPWG website.	**Completed** 2023-07-14
TG15/04	**BG** to review NIPWG Wiki to make sure all necessary documents are uploaded.	**Completed** 2023-07-12
TG15/05	**For everyone** to review the input paper and send comments to SJC.	**Completed** 2023-06-10
TG15/06	**For everyone** to review the editorial comments (pages 1 to 7) and submit their comments via correspondence to BG by June 16, 2023.	**Completed** 2023-07-25
TG15/07	**BG** to send the latest version of the cumulative feedback document to the group.	**Completed** 2023-06-01
TG15/08	**BG** to send an email to the task group to schedule S-123TG16.	**Completed** 2023-06-22
TG15/09	**BG** to send a first draft of the S-123TG15 minutes to the group for review.	**Completed** 2023-06-01

TG14/04 & 05: Will be discussed in Point 7.0 of this meeting.

TG15/06: Will be discussed in Point 6.0 of this meeting.

6.0   Review of S-123 Feedback Submitted to Date

Goal is to go over the task group members' comments received via correspondence regarding the feedback received.

Pages 1 to 7: Editorial comments

- Comments from RM:
    - o Editiorial comments respecting grammar and typos, and discrepancies in the text of Product Specification documents should be passed on without further consideration by this sub-group, to be dealt with when the next edition is prepared.
    - o Editorial comments respecting names and definitions in the FC and GML schema - names, definitions, letter cases, and remarks will be picked up from the GI Registry, so either any issues will be resolved in that process, or they are really GI Registry issues and cannot be dealt with at the level of an individual product specification.
    - o Teledyne Caris comments about mashing application schema, FC, and DCEG, and about product specification content overlapping DCEG:
        - ▪ I have long advocated UML diagrams in place of the "feature tables" in the DCEG, as in S-127 1.0.0. That and the automatically-generated "readable" print from the XML Feature Catalogue would suffice to document features and attributes (the FC has detailed definitions etc., which the UML block diagrams obviously can't show. Encoding instructions in the DCEG are the really substantive contributions in those tables which aren't covered by UML diagrams or FC print).
        - ▪ The Product Specification should have an overview of the application schema, outlining the important classes and relationships, without necessarily reproducing every single class/attribute/enumeration/codelist in the application schema.
        - ▪ We have since stopped generating an appendix for the application schema as well as ceasing to print out GML schema documentation (S-131 1.0.0 doesn't have those appendices; the GML schema documentation for S-131 is online along with the GML schema).
        - ▪ However, we should keep in mind that ultimately HSSC and Member States will have to approve Edition 2.0, and radical departures from the structure and form used by other Product Specifications might result in questions and delays in approval by HSSC and/or Member States.
- Additional comments from the S-123TG:
    - o Comments from HA regarding the possible inconsistencies between Product Specification documents, as well as which document to refer to for specific information, could be brought up to NIPWG as it is something that could affect all Product Specifications. (This is based on user experience.)
        - ▪ HA and RM will prepare a presentation for NIPWG-10 to discuss the points highlighted above.

6.1   Question from LTJG Thomas Cervone-Richards (NOAA) for S-412

While looking through the Data Dictionary Register in the GI Registry, we noticed there were some enumeration value names already registered that we had intended to use for S-412. It shows that they were submitted back in 2020, but were not submitted by our group. I recently reached out to Jeff to make some minor edits to the definitions of these to make them more compatible for our purposes. However, it was brought to my attention that these enumeration values are already tied to a registered attribute, possibly for navigational warnings/information.

The specific attribute is "Category of Maritime Broadcast". This attribute has enumeration value names including "Gale Warning", "Storm Warning", and "Tropical Revolving Storm Warning" (hurricane warning), among others. For S-412, we have our own attribute called "Wind Warning Threshold" that was going to include the "Gale Warning" and "Storm Warning" as enumeration value names. From my understanding, enumeration values cannot be used for more than one attribute, and the names cannot be duplicated. Is this correct? If possible, would you be able to clarify/give guidance to what our next steps would be to remedy this? I appreciate the help.

-   EM responded saying that: "Category of Maritime Broadcast is used by S-123. As I understand the Data Dictionary model, it is only permissible for a concept to be an enumeration of one enumerated list (See S-100 ed.5, figure 2a-2)."

Question from BG to the task group: Will the remodelling of the radiocommunications complex attribute liberate these enumerated values for S-412?

-   SJC: Most of the enumerated values should have been liberated with the remodelling of the radiocommunications complex attribute.

Action Item 10:   SJC to prepare the list of enumerated values from the current Category of Maritime Broadcast that will not be used in the proposed remodelling of the radiocommunications complex attribute.

-   RM: It should be possible to use the same concept for other uses as long as the definition is not changed without consultation (in this case, consult S-123TG first if it is still used in S-123).
    o   RM suggested that it would be best to wait until it has been approved by NIPWG before letting S-412 know that they can use these terms freely. In the meantime, it would be good to know what changes they would like to make as a first step.
    o   HA said that knowing that S-412 requires these terms makes the remodelling proposal a good way forward.
-   RM provided clarifying notes that the GI Registry permits the same concept to be an enumerated value of more than one list as long as the numeric code is different and is part of a different feature catalogue.
    o   For example, if Gale Warning is 11 for "Category of Maritime Broadcast," then it can be used under "Wind Warning Threshold" as long as it has a different numeric code.

Action Item 11:   BG to reply to S-412WG regarding changes to definitions of specific enumerated values currently under Category of Maritime Broadcast.

7.0   Preparing the List of Changes to Present to NIPWG Members

With the feedback reviewed by the task group, the next step is to prepare the list of changes to present to NIPWG members.

- What are the steps that need to be completed?
    - o Work items (based on S-122 and S-127 task group presentations):
        - ▪ Application schema
        - ▪ GML schema
        - ▪ Feature Catalogue
        - ▪ Portrayal Catalogue
        - ▪ Exchange Catalogue
        - ▪ Multilingual support
        - ▪ Data protection
        - ▪ Pending change proposals integration
        - ▪ Pending change recommendations from S-123 related projects
        - ▪ UML diagrams
        - ▪ Underlying schemas and example resources
        - ▪ Final product specification update and editorial review
        - ▪ DCEG
    - o Tasks from S-123TG12 (January 2023):
        - ▪ **Task #1: Finish going through the feedback comments as a group** (Completed)
        - ▪ **Task #2: Finalize radiocommunications complex attribute remodelling proposal**
            - • Status: Proposal using WeatherForecastWarningArea as an example was presented by SJC at NIPWG 2023 VTC 2. NIPWG supports the new data model.
        - ▪ **Task #3: Finalize GMDSSArea and InmarsatOceanRegionArea remodelling proposal**
            - • Status: Part of radiocommunications complex attribute remodelling proposal. The new definition of Sea Area A3 has already been included in many IMO documents, but is due to be ratified in January 2024.

            Action Item 12:   JY to look into more details regarding the timing of the ratification of the definition of GMDSS Sea Area A3.

        - ▪ **Task #4: Split NAVAREA/METAREA into two (2) separate feature types**
            - • Status: Part of radiocommunications complex attribute remodelling proposal.
        - ▪ **Task #5: List all the changes to bring the S-123 Product Specifications from S-100 Edition 3.0.0 to S-100 Edition 5.1.0**
            - • Status: Low priority as everything will need to be updated.
        - ▪ **Task #6: Compile all the changes into a formal list of changes / change proposal**
            - • Status: The feedback document, with any additional proposals, should be sufficient.

            Action Item 13:   BG to send the latest version of the cumulative feedback document to the group.

            Action Item 14:   For everyone to review via correspondence the cumulative feedback document to make sure it clearly captures the changes to be done to move to the next version of the S-123 Product Specifications.

  o Development of Edition 2.0.0
- Datasets that conform to the standard for testing purposes (S-164WG Phase 2 work)
- Validation checks (NIPWG's responsibility)
- Portrayal (captured under "Work items" above)

Question from BG to the task group: Do we think it is realistic to prepare and present the List of Changes for NIPWG-10 (September 2023)?

- The task group requested further explanation and instruction on how to prepare and present the List of Changes. This will determine whether it is realistic to have this ready for NIPWG-10.

Action Item 15: BG to consult with NIPWG chair (EM) on how to prepare and present the List of Changes.

8.0 Next Meeting

8.1 Actions to be Taken by Next Meeting
- Deadline to register for NIPWG-10: August 15, 2023
- Deadline to submit input papers for NIPWG-10: August 21, 2023 (3 weeks before)
- Determine who will represent the S-123TG at NIPWG-10

8.2 Next Meeting Dates:
- Potential dates for **S-123TG17** and **S-123TG18**
- *Holidays*:
  - o *August 7 (CAN), 28 (GBR)*
  - o *September 4 (CAN, USA), 30 (CAN)*
- Check IHO calendar: https://iho.int/en/iho-meetings-and-events-calendar
  - o WWNWS15: September 4 to 8, 2023 (EM, NS)
  - o S-100 Validation VTC: September 7, 2023 (JP, RM)
  - o NIPWG-10: September 12 to 15, 2023
  - o ENCWG8/S-101PT11: September 25 to 29, 2023 (JP)

August						
Su	Mo	Tu	We	Th	Fr	**Sa**
		1	2	3	4	**5**
6	7	8	9	10	11	**12**
13	14	15	16	17	18	**19**
20	21	22	23	24	25	**26**
27	28	29	30	31		

September						
Su	Mo	Tu	We	Th	Fr	**Sa**
					1	**2**
3	4	5	6	7	8	**9**
10	11	12	13	14	15	**16**
17	18	19	20	21	22	**23**
24	25	26	27	28	29	**30**

Action Item 16: BG to send an email to the task group to schedule S-123TG17.

Action Item 17: BG to send a first draft of the S-123TG16 minutes to the group for review.

8.3 Topics to Discuss
- Follow-up regarding the inclusion of a data quality chapter in Product Specifications
- Review feedback document to make sure that all changes to be made for the next version of the S-123 Product Specifications are clear.

8.4 Additional Comments
- None noted.

ANNEX A: AGENDA

1.0   Opening Remarks

2.0   Approval of Agenda

3.0   Approval of S-123TG15 Minutes

4.0   Follow-Up on NIPWG 2023 VTC 2 Meeting

5.0   Review of Action Items from S-123TG15

6.0   Review of S-123 Feedback Submitted to Date

7.0   Preparing the List of Changes to Present to NIPWG Members

8.0   Next Meeting

ANNEX B: LIST OF ATTENDEES

Country / Organization	Participant	Initials
Canada	Bridget Gagné (CCG)	BG
Canada	Eivind Mong (CCG) Regrets	EM
Canada	Quinn Arruda (CCG)	QA
Germany	Philipp Schwedas (BSH)	PS
United Kingdom of Great Britain and Northern Ireland	Jason Youé (UKHO)	JY
United Kingdom of Great Britain and Northern Ireland	Neil Salter (UKHO)	NS
Caris (Teledyne)	Hugh Astle	HA
IIC Technologies	Jonathan Pritchard Regrets	JP
National Taiwan Ocean University (NTOU)	Shwu-Jing Chang	SJC
Portolan Sciences	Raphael Malyankar	RM

ANNEX C: LIST OF ACTION ITEMS

Action Item	Action Description
TG9/04 **Ongoing**	**JP** to provide an updated description for the DCEG regarding GMDSSArea (emphasis on administrative boundaries) (Wait for discussion at S-100WG in regard to overlapping coverage issue)
TG16/01	**BG** to send finalized S-123TG15 minutes to the group.
TG16/02	**RM** to upload finalized S-123TG15 minutes to the NIPWG Wiki.
TG16/03	**BG** to send finalized S-123TG15 minutes to be uploaded to the NIPWG website.
TG16/04	**BG** to update feedback document with NIPWG decision regarding informationConfidence.
TG16/05	**SJC** to provide the definitions and sources for "TransmissionDetails" and "BroadcastDetails."
TG16/06	**BG** to consult with NIPWG chair (EM) where data quality checks fit in the larger scheme of all Product Specifications.
TG16/07	**BG** to update feedback document regarding the addition of a data quality chapter for the next edition (2.0.0) of the S-123 Product Specifications.
TG16/08	**BG** to bring up at a future S-123TG meeting the review of the DQWG recommended template to determine which sections apply to S-123.
TG16/09	**BG** to include in the next S-123TG update presentation the findings from the task group regarding the gap analysis by SHOM.
TG16/10	**SJC** to prepare the list of enumerated values from the current Category of Maritime Broadcast that will not be used in the proposed remodelling of the radiocommunications complex attribute.
TG16/11	**BG** to reply to S-412WG regarding changes to definitions of specific enumerated values currently under Category of Maritime Broadcast.
TG16/12	**JY** to look into more details regarding the timing of the ratification of the definition of GMDSS Sea Area A3.
TG16/13	**BG** to send the latest version of the cumulative feedback document to the group.
TG16/14	**For everyone** to review via correspondence the cumulative feedback document to make sure it clearly captures the changes to be done to move to the next version of the S-123 Product Specifications.
TG16/15	**BG** to consult with NIPWG chair (EM) on how to prepare and present the List of Changes.
TG16/16	**BG** to send an email to the task group to schedule S-123TG17.
TG16/17	**BG** to send a first draft of the S-123TG16 minutes to the group for review.