

**5th S-123 Marine Radio Services Task Group (S-123TG) Meeting
April 19, 2022 – Worldwide**

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[NIPWG Wiki: S-123](#)

[NIPWG Product Specifications Website](#)

1.0 Opening Remarks

BG opened the meeting and welcomed the participants.

2.0 Approval of S-123TG4 Minutes

- BG presented the second draft of the meeting minutes where a spelling mistake in TG4/09 was corrected.
- The group approved the second draft of the meeting minutes as the final version.

Action Item 01: BG to send finalized S-123TG4 minutes to the group.

Action Item 02: RM to upload finalized S-123TG4 minutes to the NIPWG Wiki.

Action Item 03: EM to send finalized S-123TG4 minutes to be uploaded to the NIPWG website.

3.0 Approval of Agenda

The agenda was adopted with no modifications.

4.0 Follow-Up on NIPWG VTC Meeting

- The point was brought up at the meeting regarding shared information types and inline attributes and that if there is no consensus in the task group, then this topic would be moved to a NIPWG meeting.
- It has not yet been determined in the task group what the criteria are for whether the next version of the S-123 Product Specifications will be Ed. 1.1.0 vs Ed 2.0.0.
 - o RM mentioned test datasets and validation checks. We will have to consider the S-100 technical readiness level criteria in S-97.
 - o EM has mentioned that to move to Ed 2.0.0, portrayal will need to be developed.
- Next NIPWG VTC to be scheduled for sometime in June 2022.

5.0 Review of Action Items from S-123TG4

Action Item	Action Description	Status
TG3/05	JP to ask UKHO regarding the list of permitted values under categoryOfRadioStation to see which ones are still being used around the world.	Completed 2022-04-19 (To review next meeting)
TG4/01	BG to send finalized S-123TG3 minutes to the group.	Completed 2022-03-17
TG4/02	RM to upload finalized S-123TG3 minutes to the NIPWG Wiki .	Completed 2022-03-23
TG4/03	EM to send finalized S-123TG3 minutes to be uploaded to the NIPWG website .	Ongoing
TG4/04	HA to provide a document describing the problem regarding the radioCommunications attribute to send to RM to post on the NIPWG S-123 Wiki for further discussion.	Completed 2022-03-17
TG4/05	BG to revise input paper and include additional paragraph regarding the radioCommunications attribute.	Completed 2022-03-21
TG4/06	BG to prepare a presentation version of the input paper for NIPWG VTC.	Completed 2022-03-21
TG4/07	JP to prepare a slide to include with the S-123 task group presentation about shared information types and inline attributes.	Completed 2022-03-21
TG4/08	BG to look at examples of the CCG RAMN to show the challenges regarding the encoding definition of CoastguardStation .	Incomplete See response from HA
TG4/09	SJC to look through the UKHO Admiralty List of Radio Signals for examples of MRCC.	Completed 2022-03-21
TG4/10	PS to look for examples of MRCC in Germany.	Completed 2022-04-04
TG4/11	BG to send latest version of the cumulative feedback document to the group.	Completed 2022-03-17
TG4/12	BG to send out meeting invite for April 19, 2022 at 12:00 pm. UTC and to mention that April 12 to 14, and 20 to 21 can be an option if the 19 th does not work out.	Completed 2022-04-05
TG4/13	BG to send draft of S-123TG4 minutes to the group for review.	Completed 2022-03-17

Discussion regarding TG3/05:

JP to forward response from UKHO to the group after the meeting. To be discussed next meeting.

- JP suggested that there is interest from UKHO to discuss this list. Perhaps to consider inviting them to a future meeting.
- RM suggested to post the document on the NIPWG wiki and review if there is anything to be discussed before next meeting.

Action Item 04: BG to forward JP's email with UKHO's response about TG3/05 to the task group.

Discussion regarding TG4/08, 09 and 10:

Comment from HA for TG4/08:

I found my notes on the topic of whether to use Authority to tie radio stations and coastguard station together:

Note: there does not appear to be an association in S-123 between the Coast Guard station and the subsidiary Radio Station sites. This will make it difficult to recreate tables such as RAMN Table 2-13. One way to handle it could be by using an Authority that represents the Prescott MCTS and relate that same Authority to all the RadioStations etc which are served by the Prescott office. See S-123_EN_Marine Radio Services Product Specification_Ed1.0.0.pdf Section 6.2.1.6 Figure 11. There is a note on this Figure 11 that "**Authority** should be encoded if and only if it is necessary to encode information about the organisation operating a radiocommunication service, station, or MRCC. If only contact details and service hours need to be encoded, use the direct associations to those info types." It is not clear whether the RadioStation and CoastGuardStation would refer to a common Authority and from there navigate to contact details or if these features should relate directly to ContactDetails and from there identifying an Authority if applicable. The diagrams in the product spec and Application schema seem to portray the latter. Section 6.2.1.6 also seems to indicate that use of common ContactDetails and ServiceHours is preferred over adding an Authority object. It is not clear what makes the Authority Information type necessary. So it seems that the commonality between CoastGuardStation and subsidiary radio stations would only be via the common ContactDetails which seems rather weak since the same contact details could apply to a broader range of objects.

Note: the information about Authority found in the Product spec seems like it would be better placed in the DCEG document as guidance on how/when to encode these objects.

From this I remember starting to model using Authority and then getting the impression from the guidance that it should not be used in that way. I also remember wondering if each regional office would represent an Authority or if the entire Canadian Coastguard is the Authority. I don't see a way to make an Authority of other Authorities association. Perhaps this can all be addressed by adjusting the guidance.

- Does not seem possible to encode a hierarchy of a hierarchy (such as an authority of an authority)
 - o Only way to connect them together is via ContactDetails
- RM has mentioned that there can be more than one Authority associated to RadioStation, but there is still the issue that you would not be able to distinguish between which one is the authority of the other authority.
- RM suggested that perhaps CCG MCTS can be encoded as an Authority information type and not necessarily a CoastguardStation, unless we need a physical location.
 - o Perhaps this is a legacy encoding from S-101 that was

TG4/09:

- SJC: The modeling of S-123 should serve as a digitization of List of Radio Signals.
- Page 1: summary of observations
- Page 2: examples of UKHO publications and how their information is separated into specific volumes
- SJC mentioned that NAVTEX radio coverage can be larger than the actual service area limits.
- The examples show that it may be better to have a ControlCenter instead of CoastguardStation.
 - o RM agreed that a ControlCenter object could be more general than what is current a CoastguardStation.
 - o SJC suggested to model the RadioStation as more of a tranceiver site.
 - o SJC: ControlCenter can control itself and/or control many radio tranceiver sites (remotely).

TG4/10:

- In this example, the CoastguardStation is the organization and there are specific contact details to contact MRCC. In this case, the encoding for S-123 would be “True” for “IsMRCC”.

Action Item 05: SJC to provide 2 examples based on the UKHO Admiralty List of Radio Signals and send to the group related to radiocommunications.

Action Item 06: BG to provide link to the specific point of the CCG RAMN website to the group related to radiocommunications.

Action Item 07: PS to provide examples from Germany related to radiocommunications.

Action Item 08: RM to pick 2 examples from what was provided and exchange it with SJC, as well as apply it to a hypothetical model based on splitting the radiocommunications by theme and method. (To be provided for the June meeting)

Action Item 09: SJC to pick 2 examples from what was provided and exchange it with RM, as well as apply it to preliminary proposal as captured in the feedback submitted. (To be provided for the June meeting)

6.0 Review of S-123 Feedback Submitted to Date

Status:

- Additional comments by BG added to the cumulative feedback document, mostly editorial.
- Discussion continued regarding technical comments:
 - o Pages 17 to 18: Discussion on the removal of the Building type (related to TG5 action items)
 - o Pages 19 to 20: SJC proposal regarding remodelling the radiocommunications complex attribute (related to TG5 action items)

Action Item 10: BG to send latest version of the cumulative feedback document to the group.

7.0 Next Meeting

7.1 Actions to be Taken by Next Meeting

No additional actions noted.

7.2 Next Meeting Date and Time:

- Looking at Wednesday, May 4th and Thursday, May 5th
Holidays: May 2 (GBR, TWN), May 23 (CAN), May 26 (DEU), May 30 (USA)
 - o RM noted that those dates would be in 2 weeks.
- Check IHO calendar: <https://iho.int/en/iho-meetings-and-events-calendar>
 - o **HSSC14 VTC Prep:** May 3, 2022 (May only affect EM, meeting could still be held on this day)
 - o **MSDIWG13:** May 9 to 13, 2022
 - o **HSSC14:** May 16 to 19, 2022
 - o **S-101PT Catch-Up Meeting:** May 31, 2022
- In June:
 - o Canadian Hydrographic Conference: June 6 to 9, 2022
 - o NIPWG VTC: aiming for week of June 13th (so far)
 - o NCSR 9: June 21 to 30, 2022

May 2022						
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				

Action Item 11: BG to send out an email to determine whether May 24th or 25th would be better for next meeting.

Action Item 12: BG to invite a UKHO representative regarding the list of permitted values under categoryOfRadioStation.

Action Item 13: BG to send draft of S-123TG5 minutes to the group for review.

7.3 Additional Topics to Discuss

- To review next meeting the status of going through the cumulative feedback.
 - o Hopefully can make more headway during the next meeting

ANNEX A: AGENDA

- 1.0 Opening Remarks
- 2.0 Approval of S-123TG4 Minutes
- 3.0 Approval of Agenda
- 4.0 Follow-Up on NIPWG VTC Meeting
- 5.0 Review of Action Items from S-123TG4
- 6.0 Review of S-123 Feedback Submitted to Date
- 7.0 Next Meeting

ANNEX B: LIST OF ATTENDEES

Country / Organization	Participant	Initials
Canada	Bridget Gagné (CCG)	BG
Canada	Eivind Mong (CCG)	EM
Germany	Philipp Schwedas (BSH)	PS
Caris (Teledyne)	Hugh Astle	HA
IIC Technologies	Jonathan Prichard	JP
National Taiwan Ocean University (NTOU)	Shwu-Jing Chang	SJC
Portolan Sciences	Raphael Malyankar	RM

ANNEX C: LIST OF ACTION ITEMS

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TG5/12	BG to invite a UKHO representative regarding the list of permitted values under categoryOfRadioStation.
TG5/13	BG to send draft of S-123TG5 minutes to the group for review.

ANNEX D: RELATED DOCUMENTS

TG4/04:

[File:RadiocommunicationsModelingIssues.docx - \(server-he.de\)](#)

TG4/09:

[File:MRCC CGStation ControlCenter RadioStation.docx - \(server-he.de\)](#)

TG4/10

B 2 Deutschland

Seenotleitstelle

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Not- und Sicherheitsverkehr

MMSI 00 211 1240

2 187,5 kHz; UKW-Kanal 70

UKW-Kanal 16

MRCC Bremen as CoastguardStation as per S-123

- coordination of SAR in Germany
- distribution of further tasks to Maritime Safety and Security Centre Cuxhaven