

S-123 Task Group Update

NIPWG 2022 VTC 3 (December 14, 2022)

Presented by Bridget Gagné, Canadian Coast Guard
(S-123 Task Lead)

S-123 Task Group Updates

- Eleven (11) task group meetings have been held to date.
- As mentioned during NIPWG9, the S-123 task group has reviewed all technical feedback with several pages done via correspondence.
 - For completeness, the feedback reviewed via correspondence will be reviewed as a group during the next task group meetings.
- Discussions regarding the proposals to remodel the radiocommunications complex attribute to continue in the new year.

Challenges Regarding Coverage Beyond EEZ

- At NIPWG9, the S-123 task group brought up three (3) instances where coverage goes beyond a country's EEZ.
- At S-100WG7, an input paper ([S-100WG7-06.6](#)) and [presentation](#) was put forward by Hugh Astle (Teledyne CARIS) and presented by Jonathan Pritchard (IIC) raising this issue.
- The following points mentioned at S-100WG7 were noted:
 - This situation is most likely occurring with overlay publications products.
 - It was suggested that NIPWG could propose improvements at the TSM9 meeting.
 - The scope of WEND100 covers products in the immediate roadmap for S-98, which does not include any S-12X affected by this issue at the moment.
 - The recommendation was to continue using DataCoverage instead of subdividing the coverage in any way. If the coverage does overlap and goes beyond another country's EEZ, then that overlap would be allowed for now.
 - No conclusions have been reached for other situations with a similar issue such as light sectors overlapping cell boundaries.
 - This is an unresolved problem affecting portrayal.

InmarsatOceanRegionArea & GMDSSArea

- NIPWG9 Action Item 17 noted for the S-123 task group to create a proposal for merging the InmarsatOceanRegionArea into the GMDSSArea feature and to present the proposal at NIPWG VTC 3.
- Two (2) proposals were created by the task group members.
 - Both highlighted that additional remodelling would be required such as the addition of new associations, attributes and the revision of enumerated lists.
- The task group agreed that further testing of the two (2) proposals is required with an emphasis on ease of updating and managing the data for the user.

Proposed Changes: NAVAREA/METAREA

- The S-123 task group proposes to separate the NAVAREA/METAREA feature into two (2) separate feature objects.
- The current definition for this feature is as follows: *The geographic areas in which various governments are responsible for navigation and weather warnings.*
- Three (3) situations were noted by the task group:
 1. Japan is the authority of NAVAREA XI. However, METAREA XI is coordinated between Japan and China for their specific regions.
 - This METAREA may be difficult to encode or may lead to overlaps if boundaries are not well-defined between the two (2) authorities.
 2. METAREA VIII is split into METAREA VIII (N) and METAREA VIII (S).
 - This may lead to similar issues as mentioned in the previous example.
 3. Spain is the authority for NAVAREA III, while Greece is the authority for METAREA III.
 - In this case, NAVAREA III and METAREA III do cover the same area.
- The S-123 task group requests for NIPWG to consider and support this proposed change.

Recommendations

- The S-123 task group recommends to NIPWG for the group to continue their work until a formal change proposal can be presented at a future NIPWG meeting.

Actions Requested of NIPWG

- NIPWG is invited to:
 - note this presentation and
 - take any actions as appropriate.