Development of a format for sending additional areas (SAR-areas, Sailrace warning)

Purpose

Promulgation of the messages (SAR-areas, Sailrace warning, MSI-Areas) in ECDIS via Internet. The messages could be created by Messaging Service.

General requirements

The portrayal and promulgation of the messages should be implemented in shipboard system (ECDIS)
Data format is interchange format S-124 (?) compliant GML
Multi-language message support and features such as rich-text descriptions, attachments, etc.
Promulgation via web services etc.
Map-based portrayal of MSI-NM T&P messages

Use cases

1. Use case – SailRace warning
   1.1 Shore Center send out the Area including attributes to ships
   1.2 These areas should be received and displayed in ECDIS.
       Information Needs: positions (forming the Area), date/times (in force/expiry),
       What's the reason for the area (Sailrace)

Open question: Attribute's enumeration "General Category" that describes a reason should be extended. For instance: attribute is not included "Sail race" and other event types (S100_CodeList (Attribute – general Category) can be supplemented by new reason as Sail race area)

   1.3 Area deleted - area should be deleted automatically when it´s obsolete.
       Information Needs: Data/Times (in Force/Expiry)

2. Use case - SAR-event
   2.1 MRCC send out SAR-AREA (Via SeaSWIM)
   2.2 Dedicated ships (in the testbed) should be able to receive the area: Positions, Nature of distress (Reason might be as SAR and anti pollution operations) , Date/Times
   2.3 Area to displayed - Be able to Display Area in ECDIS
   2.4 Area deleted - area should be deleted automatically when it´s obsolete.
   2.5 Information Needs: Data/Times (in Force/Expiry)

Action Required of NIPWG
The NIP WG is invited to:

1. Discuss proposed use cases and suggest if IHO S-124 suits the purpose and satisfies needs of the described messaging service.
2. Agree to use GML format as part of S-124 for area messaging service delivery via internet.
3. Agree to extend S-124 standard with requested features and attributes to cover the use cases.