Annex B: The Joint IMO/IHO/WMO Manual on Maritime Safety Information by type of hazard encoded as a S-124 Navigational Warning.

# Casualties to lights, fog signals, buoys and other aids to navigation affecting main shipping lanes.

General Guidance:

## Example 1 – Buoy Missing

|  |  |
| --- | --- |
| **Message element** | **Example 1 – Buoy Missing** |
| 1. Message series identifier | NAVAREA I 570/21  irish sea.  northern ireland.  CHART (INT ).  hellyhaunter lightBUOY  50-00.30n 006-02.00w MISSING |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

Notes: This Buoy has a nominal range of 3 NM

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | | | localityIdentifier | | | |  | |
| **locationName** | | | | language: eng | |
| **text**: Irish Sea | |
| locality | | | localityIdentifier | | | |  | |
| **locationName** | | | | language: eng | |
| **text**: Northern Ireland | |
| **messageSeriesIdentifier** | | | **agencyResponsibleForProduction**: GBXX  nationality: GB  **nameOfSeries**: NAVAREA I  interoperabilityidentifier: **warningNumber:**570  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | | | | |
| **publicationTime** | | | 20220101T000000Z | | | | | |
| **navwarnTypeGeneral:** | | | aids to navigation change | | | | | |
| **intService:** | | | true | | | | | |
| NAVWARNPreambleContent | header (role) | | | ID00 | | | | | |
| theWarningPart (role) | | | ID01 | | | | | |
| AreaAffected | Impacts (role) | | | ID01 | | | | | |
| Affects (role) | | | ID02 | | | | | |
| **NAVWARNPart (ID01)** | featureName | | | displayName: false  language: eng  name:HELLYHAUNTER LIGHTBUOY | | | | | |
| **warningInformation** | | | **information:** | | | Language:eng | | |
| **Text:** | | |
| **NavwarnTypeDetails:** buoy missing | | | | | |
| geometry | | | Point 31-21.20N 010-07.40E | | | | | |
| NAVAWARNAreaAffected (ID02) | geometry | | | Circle by centerpoint 3 NM radius 50-00.30N 006-02.00W | | | | | |

### **Discussion Points:**

1. MSI Providers know their generalArea and locality the best, but perhaps we should establish some guidelines on how to best capture this information? Consider:
   1. Simple: See example 1
   2. Complex: See example 5
2. Currently buoys are associated to a position, but S-124 could provide the opportunity to link it to its unique buoy identifier (MRN) (if available) from the administrations AtoN database.
3. The system will link to the appropriate database(s) for the affected paper and/or ENC charts; information reviewed by NACs during the message drafting process.
4. As generated by S-124, the system would use the publicationTime format yyyymmddTxxxxxxZ, where “T” seperates date from time group; and time is expressed with six digits.
5. Currently the symbol “NW” is envisioned to plot on the lat/long of the buoy, but in this example we can use a TextPlacement to insert the type of warning, “missing buoy” to the right of the location.
6. Here we also see how the NWPreamble and the Navigational WarningFeaturePart(s) are linked to each other by the use of IDs in both parts. For a complex model, refer to Section 3, example 3.

## Example 2 – Light Unreliable

|  |  |
| --- | --- |
| **Message element** | **Example 2 – Light Unreliable** |
| 1. Message series identifier | NAVAREA III 451/21  western mediterranean sea.  tunisia-north coast.  CHART (INT ).  canis light 31-21.20n 010-07.40e unreliable. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

Note: Canis light has a nominal range of 12 NM

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: Western Mediterranean Sea |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: Tunisia-North Coast |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: ESXX  nationality: ES  **nameOfSeries**: NAVAREA III  interoperabilityidentifier: **warningNumber:** 451  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20220101T000000Z | | |
| **navwarnTypeGeneral:** | aids to navigation change | | |
| **intService:** | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| AreaAffected | Impacts (role) | ID01 | | |
| Affects (role) | ID02 | | |
| **NAVWARNPart (ID01)** | featureName | displayName: false  language: eng  name: CANIS LIGHT | | |
| **warningInformation** | **information:** | Language:eng | |
| **Text:** | |
| **NavwarnTypeDetails:** light unreliable | | |
| geometry | Point 31-21.20N 010-07.40E | | |
| NAVAWARNAreaAffected (ID02) | geometry | Circle by centerpoint 12 NM radius 31-21.20N 010-07.40E | | |

\* when useful, additional values for NavwarnTypeDetails can be used, and this is done by adding an optional instance of the attribute.

\*Ideally simple examples using the most appropriate attributes, avoiding as far as possible duplicating information between attributes and free text.

### **Discussion Points:**

1. For **generalArea** is this << Tunisia. North Coast. >> (which would necessitate two generalAreas) or << Tunisia, North Coast. >> (one generalArea)? [*Guidance Point to be developed on using one general area and locality*]

## Example 3 – Fog Signal Out of Service

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| **Message element** | **Example 3 – Fog Signal Out of Service** |
| 1. Message series identifier | NAVAREA I 1279/21  england-EAST COAST.  Race Bank wind farm.  CHART (INT ).  fog signals inoperative at turbines in  a. 53-14.90n 000-48.90e.  b. 53-17.80n 000-46.30e.  c. 53-21.10n 000-49.10e. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: England – East Coast |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: Race Bank Wind Farm |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: UKXX  nationality: GB  **nameOfSeries**: NAVAREA I  interoperabilityidentifier: **warningNumber: 1279**  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20220101T000000Z | | |
| **navwarnTypeGeneral:** | aids to navigation change | | |
| **intService:** | true | | |
| NAVARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | **warningInformation** | **information:** | Language:eng | |
| **Text:** | |
| **NavwarnTypeDetails:** fog signal out of service | | |
| geometry | Point 53-14.90N 000-48.90E | | |
| geometry | Point 53-17.80N 000-46.30E | | |
| geometry | Point 53-21.10N 000-49.10E | | |

## Discussion Point

[Is this the appropriate way to encode multi-point? To keep consistency between S53 and S-124 multipoint would be required]

## Example 4 – RACON temporary removal

|  |  |
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| **Message element** | **Example 4 – RACON temporary removal** |
| 1. Message series identifier | NAVAREA v 678/22  western south atlantic.  brazil-south coast.  CHART (INT ).  1. racon at tramandai light 30-00.50s 050-08.2w inoperative until 29 mar 2022.  2. cancel this msg 30 mar 2022. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

Note: Tramandai racon has a range of 25 miles

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: Western South Atlantic |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: Brazil-South Coast |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: BRXX  nationality: BR  **nameOfSeries**: NAVAREA V  interoperabilityidentifier: **warningNumber:** 678  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | | |
| cancellationDate | 20220330T000000Z | | |
| **publicationTime** | 20220101T000000Z | | |
| **navwarnTypeGeneral:** | aids to navigation change | | |
| **intService:** | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| AreaAffected | Impacts (role) | ID01 | | |
| Affects (role) | ID02 | | |
| **NAVWARN Part (ID01)** | featureName | displayName: false  language: eng  name:Tramandai Light | | |
| fixedDateRange | dateEnd: 20222300  dateStart: 20220101  timeofDayEnd: 000000Z  timeofDayStart: 000000Z | | |
| **warningInformation** | information | | Language: eng |
| Text: unreliable until 29 Mar 2022. |
| **navwarnTypeDetails:** RACON out of service | | |
| geometry | Point 30-00.50S 050-08.2W | | |
| NAVAWARNAreaAffected (ID02) | geometry | | Circle by centerpoint 25 NM radius 30-00.50S 050-08.2W | |

### **Discussion Points:**

1. The official name of the light is entered into featureName field.
2. S-124 production systems can be configured to also pull the List of Light number from the administrations AtoN database and an automatically enter it into the featureReference field.
3. [need to discuss guidance on cancellation time vs event end time within the fixed date range field]

## Example 5 – DGPS Station Removal

|  |  |
| --- | --- |
| **Message element** | **Example 1 – DGPS Station Removal** |
| 1. Message series identifier | NAVAREA Iv 608/19  gulf of mexico.  texas.  CHART (INT ).  angleton dgps station 29-18.10n 095-29.00w PERMANENTLY discontinued. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**:Gulf of Mexico | |
| locality | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: Texas | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: USXX  **nameOfSeries**: NAVAREA IV  nationality: US  interoperabilityidentifier: **warningNumber:** 608  **warningType**: (4) NAVAREA navigational warning  **year**: 19 | | |
| **publicationTime** | 20190101T000000Z | | |
| **navwarnTypeGeneral:** | aids to navigation change | | |
| **intService:** | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | featureName | displayName: false  language: eng  name: Angleton DGPS Station | | |
| **warningInformation** | information | | language |
| Text: |
| **navwarnTypeDetails:** DGPS station removal | | |
| geometry | Point 29-18.10N 095-29.00W | | |

# 2 The presence of dangerous wrecks in or near main shipping lanes and, if relevant, their marking

## Example 1 – Dangerous Wreck

|  |  |
| --- | --- |
| **Message element** | **Example 1 – Dangerous Wreck** |
| 1. Message series identifier | NAVAREA vIII 805/21  bay of bengal.  off krishnapatnam.  CHART (INT ).  dangerous WRECK REPORTED IN 14-14.25n 080-09.85e. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

Note: In the Geometry section we would need to note a “reported” designation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**:Bay of Bengal | |
| locality | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: off Krishnapatnam | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: INXX  nationality: IN  **nameOfSeries**: NAVAREA VIII  interoperabilityidentifier: **warningNumber:** 805  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20210101T000000Z | | |
| **navwarnTypeGeneral:** | newly discovered dangers | | |
| **intService:** | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | **warningInformation** | **information:** | | Language: |
| Text: |
| **NavwarnTypeDetails:** dangerous wreck | | |
| geometry | Point 14-14.25N 080-09.85E (Reported) | | |

## Example 2 – Wreck Located with Depth

|  |  |
| --- | --- |
| **Message element** | **Example 2 – Wreck Located with Depth** |
| 1. Message series identifier | NAVAREA xx 110/22  barents sea.  CHART (INT ).  WRECK, least depth 20 metres,  in 70-10.72n 032-56.55e. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: Barents Sea | |
| locality | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: RUXX  nationality: RU  **nameOfSeries**: NAVAREA XX  interoperabilityidentifier: **warningNumber: 110**  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | | |
| **publicationTime** | 20210101T000000Z | | |
| **navwarnTypeGeneral:** | newly discovered dangers | | |
| **intService:** | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | **warningInformation** | **information:** | | Language:eng |
| Text: least depth 20 metres |
| **NavwarnTypeDetails:** dangerous wreck | | |
| geometry | Point 70-10.72N 032-56.55E | | |

**Discussion Points:**

1. Wreck with depth is not captured within the TypeDetails
   1. Investigated using two NAVWARN parts but least depth could best be represented under shallow depth confirmed. In this case the text field seemed most appropriate.

## Example 3 – Wreck with Buoy

|  |  |
| --- | --- |
| **Message element** | **Example 3 – Wreck with Buoy** |
| 1. Message series identifier | NAVAREA ix 279/21  iran.  ras e jesk.  CHART (INT ).  dangerous wreck marked by south cardinal BUOY  in 25-38.85n 057-39.51e. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: IRAN | |
| locality | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: RAS E JESK | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: PKXX  nationality: PK  **nameOfSeries**: NAVAREA IX  interoperabilityidentifier: **warningNumber: 279**  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20210101T000000Z | | |
| **navwarnTypeGeneral:** | newly discovered dangers | | |
| **intService:** | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | **warningInformation** | **information** | | Language:eng |
| Text: Marked by South Cardinal Buoy |
| **navwarwnTypeDetails:** dangerous wreck | | |
| geometry | Point 25-38.85 057-39.51 | | |

**Discussion Points:**

1. Would this be captured as two separate datasets one for the added wreck and one for the marking south cardinal buoy.
2. The buoy could be captured in the text to allow only one feature displayed on the ECDIS and relay on the information captured within the dataset to allow the mariner to discover the full piece of MSI
3. Positional Accuracy should be used as an example in this table. Optional but highly recommended.
4. Practicle Example to be developed.

# 3 Establishment of major new aids to navigation or significant changes to existing ones, when such establishment or change might be misleading to shipping

## Example 1 – Light Established

|  |  |
| --- | --- |
| **Message element** | **Example 1 – Light Established** |
| 1. Message series identifier | NAVAREA VIIi 600/21  india – west coast.  valiyazhikal.  CHART (INT ).  light, fl(3) W 2 Sec 15 M, ESTABLISHED  in 09-08.41n 076-27.27e. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: INDIA – WEST COAST |
| locality | localityIdentifier | |  |
| locationName | | language: eng |
| **text:**: VALIYAZHIKAL |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: INXX  nationality: IN  **nameOfSeries**: NAVAREA VIII  interoperabilityidentifier: **warningNumber:** 600  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20220101T000000Z | | |
| **navwarnTypeGeneral:** | aids to navigation change | | |
| **intService:** | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| AreaAffected | Impacts (role) | ID01 | | |
| Affects (role) | ID02 | | |
| **NavigationalWarn Part (ID01)** | featureName | displayName: false  language: eng  name: [name of light] | | |
| featureReference | [MRN] | | |
| **warningInformation** | **information** | **Language: eng** | |
| **Text:** fl(3) W 2 Sec 15 M | |
| **navwarwnTypeDetails:** light establishment | | |
| geometry | Point 09-08.41N 076-27.27E | | |
| NAVWARNAreaAffected(ID02) | geometry | Circle by centerpoint 15 NM radius 09-08.41N 076-27.27E | | |

## Example 2 – Buoy Established

|  |  |
| --- | --- |
| **Message element** | **Example 2 – Buoy Established** |
| 1. Message series identifier | NAVAREA V 556/21  BRAZIL.  ILHA de sao sebastiao.  CHART (INT ).  Special buoy (odas), yellow, fl(5) y 20 sec,  established in 24-28.03s 044-24.36w. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

Note: Buoy has 5NM range

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: BRAZIL |
| locality | localityIdentifier | |  |
| locationName | | language: eng |
| **text:**: ILHA DE SAO SEBASTIAO |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: BRXX  nationality: BR  **nameOfSeries**: NAVAREA VIII  interoperabilityidentifier: **warningNumber: 556**  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20220101T000000Z | | |
| **navwarnTypeGeneral:** | aids to navigation change | | |
| **intService:** | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| AreaAffected | Impacts (role) | ID01 | | |
| Affects (role) | ID02 | | |
| **NavigationalWarn Part (ID01)** | featureName | displayName: false  language: eng  name: [name of light] | | |
| featureReference | [MRN] | | |
| **warningInformation** | **information** | **Language: eng** | |
| **Text:** Special buoy (odas), yellow, fl(5) y 20 sec | |
| navwarwnTypeDetails: buoy establishment | | |
| geometry | Point 24-28.03S 044-24.36W | | |
| NAVWARNAreaAffected(ID02) | geometry | Circle by centerpoint 50 NM radius 24-28.03S 044-24.36W | | |

## Example 3 – Range Reduced

|  |  |
| --- | --- |
| **Message element** | **Example 3 – Range Reduced** |
| 1. Message series identifier | NAVAREA viii 664/21  andaman sea.  port blair.  CHART (INT ).  north point light 11-42.29n 092-45.22e range reduced to 10 miles. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: ANDAMAN SEA |
| locality | localityIdentifier | |  |
| locationName | | language: eng |
| **text:** PORT BLAIR |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: BRXX  nationality: BR  **nameOfSeries**: NAVAREA VIII  interoperabilityidentifier: **warningNumber: 556**  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20220101T000000Z | | |
| **navwarnTypeGeneral:** | aids to navigation change | | |
| **intService:** | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| AreaAffected | Impacts (role) | ID01 | | |
| Affects (role) | ID02 | | |
| **NavigationalWarn Part (ID01)** | featureName | displayName: false  language: eng  name: NORTH POINT LIGHT | | |
| featureReference | [MRN] | | |
| **warningInformation** | **information** | **Language: eng** | |
| **Text:** reduced to 10 miles | |
| navwarwnTypeDetails: light range reduced | | |
| geometry | Point 11-42.29n 092-45. | | |
| NAVWARNAreaAffected(ID02) | geometry | Circle by centerpoint 10 NM radius 11-42.29n 092-45. | | |



### Discussion Points:

1. In this example the featureName would require a URN?.

## Example 4 – Sector Light

|  |  |
| --- | --- |
| **Message element** | **Example 4 – Sector Light** |
| 1. Message series identifier | NAVAREA viiI 528/22  india-west coast.  kanhoji angre.  CHART (INT ).  khanderi island light 18-42.20n 072-48.82e visible sector changed to white 181-018, red 018-181 degrees. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

Note: 10 Mile Range

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: INDA-WEST COAST |
| locality | localityIdentifier | |  |
| locationName | | language: eng |
| **text:** KANHOJI ANGRE |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: INXX  nationality: IN  **nameOfSeries**: NAVAREA VIII  interoperabilityidentifier: **warningNumber: 528**  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20220101T000000Z | | |
| **navwarnTypeGeneral:** | aids to navigation change | | |
| **intService:** | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| AreaAffected | Impacts (role) | ID01 | | |
| Affects (role) | ID02 | | |
| **NavigationalWarn Part (ID01)** | featureName | displayName: false  language: eng  name: KHANDERI ISLAND LIGHT | | |
| featureReference | [MRN] | | |
| **warningInformation** | **information** | **Language: eng** | |
| **Text:** white 181-018, red 018-181 | |
| navwarwnTypeDetails: sector light change | | |
| geometry | Point 18-42.20n 072-48.82e | | |
| NAVWARNAreaAffected(ID02) | geometry | [Place holder] | | |

### Discussion Points:



## In this particular example a circle was used for NAVWARNAreaAffected. What is the proper way to handle sectors in S-100 geometry.

## Example 5 – Light Change

|  |  |
| --- | --- |
| **Message element** | **Example 5 - Light Change** |
| 1. Message series identifier | NAVAREA III 863/21  WESTERN MEDITERRANEAN SEA.  ALGERIA.  CHART (INT ).  ILE RACHGOUN LIGHT 35-19.45N 001-28.65W  CHANGED TO F R. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

Note: Ile Rachgoun light has an 8 mile range.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: WESTERN MEDITERRANEAN SEA |
| locality | localityIdentifier | |  |
| locationName | | language: eng |
| **text:** ALGERIA |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: ESXX  nationality: ES  **nameOfSeries**: NAVAREA III  interoperabilityidentifier: **warningNumber: 863**  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20220101T000000Z | | |
| **navwarnTypeGeneral:** | aids to navigation change | | |
| **intService:** | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| AreaAffected | Impacts (role) | ID01 | | |
| Affects (role) | ID02 | | |
| **NavigationalWarn Part (ID01)** | featureName | displayName: false  language: eng  name: ILE RACHGOUN LIGHT | | |
| featureReference | AtoNNumber: E6718  Featureidentifier:[MRN]  ENCFeatureReference: | | |
| **warningInformation** | **information** | **Language: eng** | |
| **Text:** CHANGED TO F R | |
| navwarwnTypeDetails: light change | | |
| geometry | Point 35-19.45N 001-28.65W | | |
| NAVWARNAreaAffected(ID02) | geometry | Circle by centerpoint 8 NM radius 35-19.45N 001-28.65W | | |



### Discussion Points:

1. In this example the featureName is encoded, the featureReference (list of light number) could be extracted from an AtoN database linked with the production system.
2. If the official name of the light includes the word “light”, do we still need to include the word “light” in the text field?
3. Added a featureReference field for additional context. Note that the ENCFeatureReference is not included. All items concerning featureReference is optional.

## Example 6 – AIS (Physical)

|  |  |
| --- | --- |
| **Message element** | **Example 6 – AIS (Physical)** |
| 1. Message series identifier | NAVAREA I 12/21  SCOTLAND, NORTH-EAST COAST. APPROACHES TO INVERNESS.  CHART (INT ).  AIS AID TO NAVIGATION MMSI 992351072 ESTABLISHED AT RIFF BANK EAST LIGHT-BUOY 57-38.38N 003-58.15W. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: SCOTLAND-NORTH EAST COAST |
| locality | localityIdentifier | |  |
| locationName | | language: eng |
| **text:** APPROACHES TO INVERNESS |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: GBXX  nationality: GB  **nameOfSeries**: NAVAREA I  interoperabilityidentifier: **warningNumber: 12**  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20220101T000000Z | | |
| **navwarnTypeGeneral:** | aids to navigation change | | |
| **intService:** | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NavigationalWarn Part (ID01)** | featureName | displayName: false  language: eng  name: RIFF BANK EAST LIGHT-BUOY | | |
| **warningInformation** | **information** | **Language: eng** | |
| **Text:** MMSI 992351072 | |
| navwarwnTypeDetails: AIS transmitter establishment | | |
| geometry | Point 57-38.38N 003-58.15W. | | |



1. In this example the featureName is encoded, while the featureReference (list of light number) could be extracted and input automatically from the linked AtoN database.
2. If the official name of the light includes the word “light”, do we still need to include the word “light” in the text field?
3. Since the current warningHazardType list doesn’t differentiate between synthetic and virtual AIS, we can use << Other: physical AIS >> as an optional instance.
4. **\*** Should we instruct the NACs to indicate the type of AIS (i.e. a physical unit or a virtual signal)?

## Example 7 – AIS (Virtual)

|  |  |
| --- | --- |
| **Message element** | **Example 7 – AIS (Virtual)** |
| 1. Message series identifier | NAVAREA X 12/21  TORRES STRAIT.  CAPE YORK NORTHWESTWARD.  CHART (INT ).  HERALD PATCHES BUOY 10-30.16S 142-21.50E TEMPORARILY REMOVED. VIRTUAL AIS AID TO NAVIGATION STARBOARD HAND MARK MMSI 995036022 ESTABLISHED AT THE SAME POSITION. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier | |  | |
| **locationName** | | language: eng | |
| **text**: TORRES STRAIT | |
| locality | localityIdentifier | |  | |
| locationName | | language: eng | |
| **text:** CAPE YORK NORTHWESTWARD | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: AUXX  nationality: AU  **nameOfSeries**: NAVAREA X  interoperabilityidentifier: **warningNumber: 12**  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | | |
| **publicationTime** | 20220101T000000Z | | | |
| **navwarnTypeGeneral:** | aids to navigation change | | | |
| **intService:** | true | | | |
| NAVWARNPreambleContent | header (role) | ID00 | | | |
| theWarningPart (role) | ID01, ID02 | | | |
| **NavigationalWarn Part (ID01)** | featureName | displayName: false  language: eng  name: HERALD PATCHES BUOY | | | |
| **warningInformation** | **information** | **Language: eng** | | |
| **Text:** | | |
| navwarwnTypeDetails: buoy withdrawn | | | |
| geometry | Point 10-30.16S 142-21.50E | | | |
| **NavigationalWarn Part (ID02)** | **warningInformation** | **information** | | | **Language: eng** |
| **Text:** STARBOARD HAND MARK MMSI 992351072 |
| navwarwnTypeDetails: V-AIS establishment | | | |
| geometry | Point 10-30.16S 142-21.50E | | | |



# 4 The presence of large unwieldy tows in congested waters

## Example 1 – Unwieldy Tow

|  |  |
| --- | --- |
| **Message element** | **Example 1 – Unwieldy Tow** |
| 1. Message series identifier | NAVAREA II 465/21  portugal to spain.  off cape finisterre.  CHART (INT ).  towing operations in progress by tug eems towing  m/v angon from leixoes to villagarcia, length of tow  400 metres along line joining  38-22.60n 009-38.20w, 40-20.65n 010-03.88w,  42-12.87n 008-56.44w.  wide berth requested. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier | |  | |
| **locationName** | | language: eng | |
| **text**: PORTUGAL TO SPAIN | |
| locality | localityIdentifier | |  | |
| locationName | | language: eng | |
| **text:** OFF CAPE FINISTERRE | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: FRXX  nationality: FR  **nameOfSeries**: NAVAREA II  interoperabilityidentifier:  **warningNumber: 465**  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | | |
| **publicationTime** | 20220101T000000Z | | | |
| **navwarnTypeGeneral:** | Towing operations | | | |
| **intService:** | true | | | |
| NAVWARNPreambleContent | header (role) | ID00 | | | |
| theWarningPart (role) | ID01 | | | |
| **NavigationalWarn Part (ID01)** | **warningInformation** | **information** | **Language: eng** | | |
| **Text:** tuge EEMS towing M/V angon, length of tow 400 metres | | |
| navwarwnTypeDetails: unwieldy tow | | | |
| geometry | Curve 38-22.60N 009-38.20W, 40-20.65N 010-03.88W  42-12.87N 008-56.44W. | | | |



### **Discussion Points:**

1. In order to effectively plot the progression of the navigational warning on ECDIS, the NAC should provide better geometry in terms of a series of waypoints from which an estimated ‘curve’ can be drawn from the port of departure city to the port of arrival.
2. In this case we only have start and end points but ideally the more waypoints provided, the greater the accuracy of the example. This might be rather challenging given wind/current/sea state considerations along this lengthy voyage, but we don’t need precision, just an estimated path. Thus, the NW would plot along the established route.
3. Operations are in progress is it possible to have a DateTimeStart but not a DateTimeEnd?

## Example 2 – Drill Rig Under Tow

|  |  |
| --- | --- |
| **Message element** | **Example 2 – Drill Rig Under Tow** |
| 1. Message series identifier | NAVAREA vii 342/21  south atlantic ocean.  south africa to senegal.  CHART (INT ).  TUG sea alfa TOWING DRILL RIG petrobras 2000.departs cape town 34-52.45s 018-29.45e destination dakar 18-16.00s 004-28.00e. LENGTH OF TOW 500 METRES. wide berth requested |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

Note: This S-53 warning does not contain enough geographic information to properly portray the trackline of this tow. These two positions are not sufficient and if shown as a curve would go through land. In this example positions were added to the curve to approximate the trackline.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: SOUTH ATLANTIC OCEAN |
| locality | localityIdentifier | |  |
| locationName | | language: eng |
| **text:** SOUTH AFRICA TO SENEGAL |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: ZAXX  nationality: ZA  **nameOfSeries**: NAVAREA VII  interoperabilityidentifier:  **warningNumber: 342**  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20220101T000000Z | | |
| **navwarnTypeGeneral:** | Towing operations | | |
| **intService:** | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NavigationalWarn Part (ID01)** | **warningInformation** | **information** | **Language: eng** | |
| **Text:** tuge SEA ALFA TOWING DRILL RIG PETROBRAS 200. LENGTH OF TOW 500 METRES. | |
| navwarwnTypeDetails: drill ring under tow | | |
| geometry | Curve 34-52.45s 018-29.45e, 3-50.03N 17-14.53W, 42-12.87N 008-56.44W. | | |



### **Discussion Points:**

1. In order to effectively plot the progression of the navigational warning on ECDIS, the NAC should be provided better geometry in terms of a series of waypoints from which an estimated ‘curve’ can be drawn from the port of departure city to the port of arrival. Currently there is insuffient information to plot this NW in ECDIS. We are limited by only having a start (port name only) an end position and one point of reference for the vessel path.
   1. Could a NAC enter in points for display purposes? In this case a curve would not be possible and two points would not be sufficient for the mariner.
2. Would the NAC need to enter a cancellation time given the provided ETA? If so, what duration should the NAC use?

## Example 3 – Drill Rig Under Tow with Trackline

|  |  |
| --- | --- |
| **Message element** | **Example 3 – Drill Rig Under Tow with Trackline** |
| 1. Message series identifier | NAVAREA XIII 54/21  SEA OF JAPAN.  PROLIV LAPERUZA AND SAKHALIN NORTH EAST COAST.  CHART (INT ).  TUG TOWING DRILLING RIG PA-B 04 on 18 JUN 2021 along  line joining  34-58.10N 128-48.35E, 52-55.90N 143-29.95E,  45-43.00N 141-58.02E, 45-45.00N 142-30.00E,  45-49.00N 143-19.00E, 45-55.00N 143-40.00E,  52-52.00N 143-39.53E.  LENGTH OF TOW 1000 METRES SPEED 4.2 KNOTS.  ONE MILE BERTH REQUESTED. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: SEA OF JAPAN |
| locality | localityIdentifier | |  |
| locationName | | language: eng |
| **text:** PROLIV LAPERUZA AND SAKHALIN NORTH EAST COAST. |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: RUXX  nationality: RU  **nameOfSeries**: NAVAREA XIII  interoperabilityidentifier:  **warningNumber: 51**  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20220101T000000Z | | |
| **navwarnTypeGeneral:** | Towing operations | | |
| **intService:** | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| AreaAffected | Impacts (role) | ID01 | | |
| Affects (role) | ID02 | | |
| **NavigationalWarn Part (ID01)** | **warningInformation** | **information** | **Language: eng** | |
| **Text:** TUG TOWING DRILLING RIG PA-B 04 | |
| navwarwnTypeDetails: drill ring under tow | | |
| geometry | Curve 34-58.10N 128-48.35E, 52-55.90N 143-29.95E,45-43.00N 141-58.02E, 45-45.00N 142-30.00E,45-49.00N 143-19.00E, 45-55.00N 143-40.00E,52-52.00N 143-39.53E. | | |
| fixedDateRange | dateEnd:  dateStart: 20210618  timeofDayEnd:  timeofdayStart:000001Z | | |
| NAVWARNAreaAffected (ID02) | geometry | One Mile Radius from curve 34-58.10N 128-48.35E, 52-55.90N 143-29.95E,45-43.00N 141-58.02E, 45-45.00N 142-30.00E,45-49.00N 143-19.00E, 45-55.00N 143-40.00E,52-52.00N 143-39.53E. | | |



### **Discussion Points:**

1. In order to effectively plot the progression of the navigational warning on ECDIS, the NAC should be provided better geometry in terms of a series of waypoints from which an estimated ‘curve’ can be drawn from the port of departure city to the port of arrival. This example demonstrates how challenging it will be to encode the waypoints unless NACs are provided clear guidelines. NACs need to start thinking in terms of digitized processes.
2. The addition of the way point text is optional, should the NAC be encouraged to do so as this may make the plotting of very long lines more visually clear for users? Users may have the option to turn off the text anyhow.
   1. Is there any update on if cartographic text is optional for the mariner?
3. Would the NAC need to enter a cancellation time given the provided ETA? If so, what duration should the NAC use?

## Example 4 – Tow with positional update

|  |  |
| --- | --- |
| **Message element** | **Example 4 – Tow with positional update** |
| 1. Message series identifier | NAVAREA I 219/21 ENGLISH CHANNEL.  DOVER STRAIT AND AT WEST HINDER TSS.   CHART (INT ).  1. ALP DEFENDER TOWING MV SPIEGELGRACHT FROM LYME BAY, ENGLAND TO ZEEBRUGGE, BELGIUM IN VICINITY OF LINE JOINING 50-10.1N 002-22.0W, 50-01.6N 002-17.1W,  50-27.8N 000-58.9E, 50-40.1N 001-20.9E,  50-54.1N 001-29.1E, 51-06.9N 001-47.7E,  51-22.0N 002-29.9E, 51-22.0N 002-40.7E,  51-25.3N 002-48.7E.  LENGTH OF TOW 800 METRES. 2.  ALP DEFENDER IN 50-40.1N 001-20.9E AT 020200 UTC DEC 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier | |  | |
| **locationName** | | language: eng | |
| **text**: ENGLISH CHANNEL | |
| locality | localityIdentifier | |  | |
| locationName | | language: eng | |
| **text:** DOVER STRAIT AND AT WEST HINDER TSS | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: UKXX  nationality: UK  **nameOfSeries**: NAVAREA I  interoperabilityidentifier:  **warningNumber:** 219  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | | |
| **publicationTime** | 20220101T000000Z | | | |
| **navwarnTypeGeneral:** | Towing operations | | | |
| **intService:** | true | | | |
| NAVWARNPreambleContent | header (role) | ID00 | | | |
| theWarningPart (role) | ID01, ID02 | | | |
| **NavigationalWarn Part (ID01)** | **warningInformation** | **information** | **Language: eng** | | |
| **Text:** ALP DEFENDER TOWING MV SPIEGELGRACHT | | |
| navwarwnTypeDetails: drill ring under tow | | | |
| geometry | Curve 50-10.1N 002-22.0W, 50-01.6N 002-17.1W,50-27.8N 000-58.9E, 50-40.1N 001-20.9E,50-54.1N 001-29.1E, 51-06.9N 001-47.7E,51-22.0N 002-29.9E, 51-22.0N 002-40.7E,51-25.3N 002-48.7E. | | | |
| **NavigationalWarn Part (ID02)** | **warningInformation** | information | | | Language: eng |
| Text: ALP Defender at 020200 UTC DEC 2021 |
| navwarwnTypeDetails: drill ring under tow | | | |
| geometry | Point 50-40.1N 001-20.9E | | | |



### **Discussion Point:**

1. Used a second NavigationalWarn Part to bring part two of the warning concerning the location of the tow on to the portrayal of the dataset. Is the the best practice? Potentially add the positional information into the warningInformation.
   1. Secondly added the DTG of the location of the tow within the text of warning information to provide additional context.
2. How to deal with vicinity while dealing with plotting?
3. No area affected since there was no berth distance given.

# 5 Drifting hazards (including derelict ships, ice, mines, containers, other large items etc.)

## Example 1 – Container Adrift

|  |  |
| --- | --- |
| **Message element** | **Example 1 – Container Adrift** |
| 1. Message series identifier | navarea i 215/21.  celtic sea.  off ushant tss.  CHART (INT ).  1. seven containers adrift in vicinity  48-40.00n 005-56.00w at 250856 UTC nov 2021.  2.Cancel this msg 280856 UTC NOV 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: CELTIC SEA |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: OFF USHANT TSS |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: GBXX  nationality: GB  **nameOfSeries**: NAVAREA I  interoperabilityidentifier: **warningNumber:** 215  **warningType:** (4) NAVAREA navigational warning  **year**: 2021 | | |
| cancellationDate | 20211128T085600Z | | |
| publicationTime | 20211125T000000Z | | |
| navwarnTypeGeneral: | drifting hazards | | |
| intService: | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:  dateStart: 20211125  timeofDayEnd:  timeofdayStart: 085600Z | | |
| **warningInformation** | **information:** | Language: eng | |
| **Text:** seven containers | |
| **NavwarnTypeDetails:** container adrift | | |
| geometry | Point 48-40.00N 005-56.00W | | |



### **Discussion Points:**

1. The cancellationDate is manually entered for this drifting hazard as 3 days after issuance.
2. Since drifting hazards cancel 72 hrs after issuance, is it still necessary to include the time the hazard was reported within the text field?
   1. NAV IV/XII – would think this is still necessary in the warningInformation part to give more information. I would think the time added as cartographic text would not be needed.
3. Added the time of the seven containers adrift in the fixedDateRange to Maximize fields, seven containers added within the text field.

## Example 2 – Derelict Vessel Adrift

|  |  |
| --- | --- |
| **Message element** | **Example 2 – Derelict Vessel Adrift** |
| 1. Message series identifier | NAVAREA II 418/21  eastern north atlantic.  madeira.  CHART (INT ).  1.derelict sailing vessel ADRIFT IN VICINITY  32-46.60n 014-09.10w AT 031423 UTC nov 2021.  2.CANCEL THIS MSG 061423 UTC NOV 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: EASTERN NORTH ATLANTIC |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: MADEIRA |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: FRXX  nationality: FR  **nameOfSeries**: NAVAREA II  interoperabilityidentifier: **warningNumber: 418**  **warningType:** (4) NAVAREA navigational warning  **year**: 2021 | | |
| cancellationDate | 20211106T142300Z | | |
| publicationTime | 20211103T142300Z | | |
| navwarnTypeGeneral: | drifting hazards | | |
| intService: | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:  dateStart: 20211103  timeofDayEnd:  timeofdayStart: 142300Z | | |
| **warningInformation** | **information:** | Language: eng | |
| **Text: sailing vessel** | |
| **NavwarnTypeDetails: derelict vessel adrift** | | |
| geometry | Point 32-46.60N 014-09.10W | | |



### **Discussion Point:**

1. Time of the position of the drifting hazard should be included within the fixedDateRange field in the NAVWARNPart.

### **Example of the GML coding: *Old Example***

This is a representation of the information in the example above replicated in GML encoding. Note that the S124 prefixes found in some of the tags will be removed before 1st edition of S-124. In this case full identifiers has been used to make the example more realistic.

<?xml version="1.0" encoding="UTF-8"?>

<S124:DataSet xmlns:S124=http://www.iho.int/S124/gml/1.0

xsi:schemaLocation=http://www.iho.int/S124/gml/1.0 ../../schemas/1.0/S124.xsd xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:gml=http://www.opengis.net/gml/3.2

xmlns:S100=http://www.iho.int/s100gml/1.0

xmlns:xlink="http://www.w3.org/1999/xlink" gml:id="NW.FR.SHOM.NAVII.078.14">

<gml:boundedBy><gml:Envelope srsName="EPSG:4326">

<gml:lowerCorner>47.5 -6.3</gml:lowerCorner>

<gml:upperCorner>47.7 -6.5</gml:upperCorner>

</gml:Envelope></gml:boundedBy>

<imember>

<S124:S124\_NWPreamble gml:id="NW.FR.SHOM.N2.078.14">

<messageSeriesIdentifier>

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<S124\_warningType>NAVAREA navigational warning</ S124\_warningType >

<warningNumber>78</warningNumber>

<year>14</year>

<agencyResponsibleForProduction>

<language>eng</language>

<text>SHOM</text>

</agencyResponsibleForProduction>

<nationality>FR</nationality>

</messageSeriesIdentifier>

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<S124\_cancellationDate>20140729T220000Z</S124\_cancellationDate>

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</S124\_locationName>

</generalArea>

<S124\_affectedChartPublications>

<chartAffected>

<chartNumber>XXX</chartNumber>

<editionDate>20140101</editionDate>

</chartAffected>

</S124\_affectedChartPublications>

<theWarningPart xlink:href="#NW.FR.SHOM.N2.078.14.1"/>

</S124:S124\_NWPreamble>

</imember>

<member>

<S124:S124\_NavigationalWarningPart gml:id="NW.FR.SHOM.N2.078.14.1">

<geometry>

<S100:pointProperty>

<S100:Point gml:id="PT.NW.FR.SHOM.N2.078.14.1" srsName="EPSG:4326">

<gml:pos>47.61667 -6.433333</gml:pos>

</S100:Point>

</S100:pointProperty>

</geometry>

<S124\_warningHazardType>CONTAINER ADRIFT</S124\_warningHazardType>

<S124\_warningInformation>

<text>SIX CONTAINERS ADRIFT IN VICINITY.</text>

</S124\_warningInformation>

<header xlink:href="#NW.FR.SHOM.N2.078.14"/>

</S124:S124\_NavigationalWarningPart>

</member>

</S124:DataSet>

## Example 3 – Fishing Net Adrift

|  |  |
| --- | --- |
| **Message element** | **Example 3 – Fishing Net Adrift** |
| 1. Message series identifier | NAVAREA xi 384/21  TIMOR SEA.  CHART (INT ).  1.FISHING NET, 50 METRES LONG, ADRIFT  IN 09-27.60S 131-49.00E AT 230022 UTC NOV 2021.  2.CANCEL THIS MSG 260022 UTC NOV 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: TIMOR SEA |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: JPXX  nationality: JP  **nameOfSeries**: NAVAREA XI  interoperabilityidentifier: **warningNumber:** 384  **warningType:** (4) NAVAREA navigational warning  **year**: 2021 | | |
| cancellationDate | 20211126T002200Z | | |
| publicationTime | 20211122T000000Z | | |
| navwarnTypeGeneral: | drifting hazards | | |
| intService: | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:  dateStart: 20211123  timeofDayEnd:  timeofdayStart: 002200Z | | |
| **warningInformation** | **information:** | Language: eng | |
| **Text:** 50 metres long | |
| **NavwarnTypeDetails:** fishing net adrift | | |
| geometry | Point 09-27.60S 131-49.00E | | |

### **Discussion Point:**

1. Note that this navigational warning did not have a locality included within the S-53, so the field was left out in the S-124 encoding.

## Example 4 – Object Adrift

|  |  |
| --- | --- |
| **Message element** | **Example 4 – Object Adrift** |
| 1. Message series identifier | NAVAREA IV 1044/21  western caribbean sea.  colombia.  CHART (INT ).  1.partially submerged rectangular metallic object  adrift in vicinity 12-58.31n 078-03.09w  AT 190030 UTC nov 2021.  2.CANCEL THIS MSG 220030 UTC nov 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: WESTERN CARIBBEAN SEA |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: COLOMBIA |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: USXX  nationality: US  **nameOfSeries**: NAVAREA IV  interoperabilityidentifier: **warningNumber:** 1044  **warningType:** (4) NAVAREA navigational warning  **year**: 2021 | | |
| cancellationDate | 20211122T003000Z | | |
| publicationTime | 20211119T000000Z | | |
| navwarnTypeGeneral: | drifting hazards | | |
| intService: | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:  dateStart: 20211119  timeofDayEnd:  timeofdayStart: 003000Z | | |
| **warningInformation** | **information:** | Language: eng | |
| **Text:** partially submerged rectangular metallic object | |
| **NavwarnTypeDetails:** object adrift | | |
| geometry | Point 12-58.31N 078-03.09W | | |

### **Discussion Points:**



## Example 5 – Buoy Adrift

|  |  |
| --- | --- |
| **Message element** | **Example 5 – Buoy Adrift** |
| 1. Message series identifier | NAVAREA VIII 709/21.  bay of bengal.  off machilipatnam.  CHART (INT ).  1.buoy adrift in vicinity 15-37.90n 082-10.3e  on 042359 utc mar 2021.  2.CANCEL THIS MSG 072359 utc mar 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: BAY OF BENGAL |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: OFF MACHILIPATNAM |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: INXX  nationality: IN  **nameOfSeries**: NAVAREA VIII  interoperabilityidentifier: **warningNumber:** 709  **warningType:** (4) NAVAREA navigational warning  **year**: 2021 | | |
| cancellationDate | 20210307T235900Z | | |
| publicationTime | 20210305T000000Z | | |
| navwarnTypeGeneral: | aids to navigation change | | |
| intService: | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:  dateStart: 20210304  timeofDayEnd:  timeofdayStart: 2359Z | | |
| **warningInformation** | **information:** | Language: eng | |
| **Text:** | |
| **NavwarnTypeDetails:** buoy adrift | | |
| geometry | Point 15-37.90N 082-10.30E | | |

### **Discussion Points:**

1. Is the publicationTime the date/time of the reported/observed event/hazard or the date/time the system inputs when warning is published?
   1. Auto populated from the system as its published (Nav IV/XII)
2. Buoy Adrift has a soft list mapping to Aids to Navigation, would this change anything since it is coded as a drifting hazard?
3. This example does not contain warning information text due to the fact that the time of the buoy adrift is encoded within fixedDateRange.

## Example 6 – Floating Debris

|  |  |
| --- | --- |
| **Message element** | **Example 6 - Floating Debris** |
| 1. Message series identifier | NAVAREA Vii 93/21  western indian ocean.  off reunion.  CHART (INT ).  1. wood debris adrift in 21-10.50s 055-12.33e at 291036 utc mar 2021.  2. CANCEL THIS MSG 011036 UTC apr 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: WESTERN INDIAN OCEAN |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: OFF REUNION |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: ZAXX  nationality: ZA  **nameOfSeries**: NAVAREA VIII  interoperabilityidentifier: **warningNumber:** 93  **warningType:** (4) NAVAREA navigational warning  **year**: 2021 | | |
| cancellationDate | 20210401T103600Z | | |
| publicationTime | 20210329T120000Z | | |
| navwarnTypeGeneral: | Drifting hazards | | |
| intService: | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:  dateStart: 20210329  timeofDayEnd:  timeofdayStart: 1036Z | | |
| **warningInformation** | **information:** | Language: eng | |
| **Text:** wood debris | |
| **NavwarnTypeDetails:** | | |
| geometry | Point 21-10.50S 055-12.33E | | |



### **Discussion Points:**

1. Did not include NavwarnTypeDetails due to the fact that wood debris does not fit the definition of a log adrift or a log boom adrift.

## Example 7 – Dead Whale Adrift

|  |  |
| --- | --- |
| **Message element** | **Example 7 – Dead Whale Adrift** |
| 1. Message series identifier | NAVAREA iv 05/21  northwest atlantic ocean.  southeastern grand banks of newfoundland.  CHART (INT ).  1. dead whale, 10 metres in length, reported adrift  in 45-02.60n 048-52.80w at 032100 utc aug 2021.  2. CANCEL THIS MSG 042100 UTC aug 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**:NORTHWEST ATLANTIC OCEAN |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: SOUTHEASTERN GRAND BANKS OF NEWFOUNDLAND |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: USXX  nationality: US  **nameOfSeries**: NAVAREA IV  interoperabilityidentifier: **warningNumber:** 5  **warningType:** (4) NAVAREA navigational warning  **year**: 2021 | | |
| cancellationDate | 20211004T210000Z | | |
| publicationTime | 20211003T220000Z | | |
| navwarnTypeGeneral: | Drifting hazards | | |
| intService: | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:  dateStart: 20211003  timeofDayEnd:  timeofdayStart: 210000Z | | |
| **warningInformation** | **information:** | Language: eng | |
| **Text:** 10 metres in length | |
| **NavwarnTypeDetails:** dead whale adrift | | |
| geometry | Point 45-02.60N 048-52.80W (reported) | | |

### **Discussion Points:**

1. Position should be encoding as reported, 10 metres should be included within the text.



## Example 8 - Mines

|  |  |
| --- | --- |
| **Message element** | **Example 8 – Mines** |
| 1. Message series identifier | NAVAREA iX 71/20  southern red sea.  farasan bank.  1. mines reported adrift in area bound by  16-45.6n 042-15.7e, 15-41.5n 042-39.4e,  15-54.0n 043-02.3e, 16-58.7n 042-35.1e.  2. mariners are requested to navigate with caution  in the above area. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: southern red sea. | |
| locality | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: farasan bank | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: PKXX  nationality: PK  **nameOfSeries**: NAVAREA IX  interoperabilityidentifier: **warningNumber:** 5  **warningType:** (4) NAVAREA navigational warning  **year**: 2020 | | |
| cancellationDate |  | | |
| publicationTime | 2020003T220000Z | | |
| navwarnTypeGeneral: | other hazards | | |
| intService: | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | **warningInformation** | **information:** | | Language: eng |
| **Text:** reported adrift, mariners are requested to navigate with caution |
| **NavwarnTypeDetails:** presence of naval mines | | |
| geometry | Polygon Surface (reported) 16-45.6n 042-15.7e,15-41.5n 042-39.4e,15-54.0n 043-02.3e,  16-58.7n 042-35.1e. | | |

### **Discussion Points:**

1. Due to this being a surface polygon, it is included within the NAVWARNPart not an AreaAffected



## Example 9 – Pumice Raft

|  |  |
| --- | --- |
| **Message element** | **Example 9 – Pumice Raft** |
| 1. Message series identifier | NAVAREA XIV 108/22  south PACIFIC OCEAN.  LAU BASIN.  1. LARGE PUMICE RAFT FROM RECENT VOLCANIC ACTIVITY IN VICINITY 18-56.0s 176-21.0w. 124 MILES WEST OF VAVAU, TONGA AT 262300 UTC AUG 2022. PUMICE RAFT APPROXIMATELY 70 SQUARE MILES IN SIZE.  2. CANCEL THIS MSG 292300 UTC AUG 2022. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: SOUTH PACIFIC OCEAN | |
| locality | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: LAU BASIN | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: NZXX  nationality:NZ  **nameOfSeries**: NAVAREA XIV  interoperabilityidentifier:  **warningNumber: 108**  **warningType: (4) NAVAREA navigational warning**  **year**: 22 | | |
| cancellationDate | 20220829T230000Z | | |
| publicationTime | 20220826T000100Z | | |
| navwarnTypeGeneral: | dangerous natural phenomena | | |
| intService: | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| AreaAffected | Impacts (role) | ID01 | | |
| Affects (role) | ID02 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:  dateStart: 20220826  timeofDayEnd:  timeofdayStart: 000100Z | | |
| **warningInformation** | Information: | | Language:eng |
| Text: 70NM Large Pumice raft in vicinity |
| NavwarnTypeDetails: volcano activity | | |
| geometry | Point 18-56.0s 176-21.0w | | |
| NAVWARNAreaAffected (ID02) | geometry | Circle by centerpoint 70 NM radius 18-56.0s 176-21.0w | | |



### **Discussion Points:**

1. How would this area be dealt with, I assume one would need to calculate the polygon extents of the pumice.

# 6 Areas where search and rescue (SAR) and anti-pollution operations are being carried out (for avoidance of such areas)

## Example 1 – Search and Rescue Operations

|  |  |
| --- | --- |
| **Message element** | **Example 1 – Search and Rescue Operations** |
| 1. Message series identifier | NAVAREA xvI 25/22  paita bay.  peru.  CHART (INT ).  1. sar operation in progress in area bound by  05-27.32s 081-44.45w, 05-22.53s 081-27.95w,  05-49.57s 081-16.57w, 05-55.43s 081-32.42w.  2. all vessels not under instruction of the  sar mission to keep a wide berth. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: PAITA BAY | |
| locality | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: PERU | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: PEXX  nationality:PE  **nameOfSeries**: NAVAREA XV  interoperabilityidentifier: **warningNumber: 25**  **warningType: (4) NAVAREA navigational warning**  **year**: 22 | | |
| publicationTime | 20220826T000100Z | | |
| navwarnTypeGeneral: | Special operations | | |
| intService: | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:  dateStart: 20220826  timeofDayEnd:  timeofdayStart: 000100Z | | |
| **warningInformation** | Information: | | Language:eng |
| Text: ALL VESSELS NOT UNDER INSTRUCTION OF THE SAR MISSION TO KEEP A WIDE BIRTGH |
| NavwarnTypeDetails: SAR operation | | |
| geometry | Polygon Surface 05-27.32s 081-44.45w, 05-22.53s 081-27.95w,05-49.57s 081-16.57w, 05-55.43s 081-32.42w. | | |



## Example 2 – Search and Rescue Exercises

|  |  |
| --- | --- |
| **Message element** | **Example 2 – Search and Rescue Exercises** |
| 1. Message series identifier | NAVAREA II 417/21  Morocco.  off casablanca.  1. SEARCH AND RESCUE EXERCISE in progress until 041600 utc nov 2021 IN AREA BOUND BY  33-57.00N 008-03.03W, 34-04.80n 007-47.00W,  33-46.50n 007-36.00W, 33-39.00n 007-52.00w.  2. CANCEL THIS MSG 041700 UTC nov 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: MOROCCO | |
| locality | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: OFF CASABLANCA | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: FRXX  nationality:FR  **nameOfSeries**: NAVAREA II  interoperabilityidentifier: **warningNumber: 417**  **warningType: (4) NAVAREA navigational warning**  **year**: 21 | | |
| publicationTime | 20211101T000100Z | | |
| cancellationDate | 20211104T170000Z | | |
| navwarnTypeGeneral: | Special operations | | |
| intService: | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd: 20211104  dateStart: 2021101  timeofDayEnd: 160000Z  timeofdayStart: 000100Z | | |
| **warningInformation** | Information: | | Language:eng |
| Text: |
| NavwarnTypeDetails: SAR exercise | | |
| geometry | Polygon Surface 33-57.00N 008-03.03W, 34-04.80n 007-47.00W,33-46.50n 007-36.00W, 33-39.00n 007-52.00w. | | |



### **Discussion Points:**

1. Is the final DTG needed within warning Information?

## Example 3 – Anti-Pollution Operations

|  |  |
| --- | --- |
| **Message element** | **Example 3 – Anti-Pollution Operations** |
| 1. Message series identifier | NAVAREA XII 574/22  EASTERN NORTH PACIFIC.  1.THE OCEAN CLEANUP SYSTEM OPERATIONS IN PROGRESS  BY M/V MAERSK TRADER AND M/V MAERSK TENDER  TOWING 800 METER BARRIER MARKED WITH WHITE  LIGHTS AND RADAR REFLECTORS  IN 35-14.00N 140-19.00W AT 170815Z AUG 2022.  TWO MILE BERTH REQUESTED.  2.CANCEL NAVAREA XII 570/22. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: EASTERN NORTH PACIFIC | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: USXX  nationality:US  **nameOfSeries**: NAVAREA XII  interoperabilityidentifier:  **warningNumber: 574**  **warningType: (4) NAVAREA navigational warning**  **year**: 22 | | |
| cancellationDate | 20220829T230000Z | | |
| publicationTime | 20220826T000100Z | | |
| navwarnTypeGeneral: | special operations | | |
| intService: | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| AreaAffected | Impacts (role) | ID01 | | |
| Affects (role) | ID02 | | |
| NAVWARWNReferences | theWarning(role) | ID01 | | |
| theReferences (role) | ID03 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:  dateStart: 20220817  timeofDayEnd:  timeofdayStart: 081500Z | | |
| **warningInformation** | Information: | | Language:eng |
| Text: OCEAN CLEANUP SYSTEM OPERATIONS IN PROGRESS BY M/V MAERSK TRADER AND M/V MAERSK TENDER  TOWING 800 METER BARRIER MARKED WITH WHITE LIGHTS AND RADAR REFLECTORS at 170815Z AUG 2022 |
| NavwarnTypeDetails: anti pollution exercise | | |
| geometry | Point 35-14.00N 140-19.00W | | |
| NAVWARNAreaAffected (ID02) | geometry | Circle by centerpoint 2 NM radius 35-14.00N 140-19.00W | | |
| **References(ID03)** | **messageSeriesIdentifier** | **agencyResponsibleForProduction**: USXX  nationality:US  **nameOfSeries**: NAVAREA XII  interoperabilityidentifier:  **warningNumber: 570**  **warningType: (4) NAVAREA navigational warning**  **year**: 22 | | |
| noMessageOnHand | false | | |
| referenceCategory | (1) warning cancellation | | |



### **Discussion Points:**

1. The way this is written it could also reasonanbly be considered a towing operation or a working vessel operation as well.
2. Is there a way to code the two mile berth as a circular area, would this want to be done?

# 7 The presence of newly discovered rocks, shoals, reefs and wrecks likely to constitute a danger to shipping, and, if relevant, their marking

## Example 1 - Shoal

|  |  |
| --- | --- |
| **Message element** | **Example 1 - Shoal** |
| 1. Message series identifier | NAVAREA XVII 83/21  CANADIAN ARcTIC.  VICTORIA STRAIT.  CHART (INT ).  27.8 METRE SHOAL LOCATED IN 68-58.95N 101-08.32W. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**:CANADIAN ARTIC | |
| locality | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: VICTORIA STRAIT | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: CAXX  nationality:CA  **nameOfSeries**: NAVAREA XVII  interoperabilityidentifier: **warningNumber: 83**  **warningType: (4) NAVAREA navigational warning**  **year**: 21 | | |
| publicationTime | 20211101T000100Z | | |
| navwarnTypeGeneral: | newly discovered dangers | | |
| intService: | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | warningInformation | information | | Language:eng |
| Text: |
| navwarnTypeDetails: shallow depth confirmed | | |
| geometry | Point 68-58.95N 101-08.32W | | |



## Example 2 – Shallow depth reported

|  |  |
| --- | --- |
| **Message element** | **Example 2 – Shallow depth reported** |
| 1. Message series identifier | NAVAREA V 372/21  NORTH ATLANTIC OCEAN.  off sao sebastiao.  CHARt (INT ).  depths reported:  a. 15 metres in 24-00.75s 045-41.75w.  b. 15 metres in 24-01.50s 045-23.90w. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**:NORTH ATLANTIC OCEAN | |
| locality | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: OFF SAO SEBASTIAO | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: BRXX  nationality:BR  **nameOfSeries**: NAVAREA V  interoperabilityidentifier: **warningNumber: 372**  **warningType: (4) NAVAREA navigational warning**  **year**: 21 | | |
| publicationTime | 20211101T000100Z | | |
| navwarnTypeGeneral: | newly discovered dangers | | |
| intService: | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01, ID02 | | |
| **NAVWARNPart (ID01)** | warningInformation | information | | Language:eng |
| Text:15 Metres |
| navwarnTypeDetails: shallow depth reported | | |
| geometry | Point (Reported) 24-00.75S 045-41.75W | | |
| NAVWARNPART(ID02) | warningInformation | information | |  |
|  |
| navwarnTypeDetails: shallow depth reported | | |
| geometry | Point (reported) 24-01.50S 045-23.90W | | |



## Example 3 – Uncharted Rock

|  |  |
| --- | --- |
| **Message element** | **Example 3 – Uncharted Rock** |
| 1. Message series identifier | NAVAREA x 290/21  eastern indian ocean.  australia-northwest coast.  CHARt (INT ).  uncharted rock reported in 16-53.06s 122-03.78e. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**:EASTERN INDIAN OCEAN | |
| locality | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: AUSTRALIA-NORTHWEST COAST | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: AUXX  nationality:AU  **nameOfSeries**: NAVAREA X  interoperabilityidentifier: **warningNumber: 290**  **warningType: (4) NAVAREA navigational warning**  **year**: 21 | | |
| publicationTime | 20211101T000100Z | | |
| navwarnTypeGeneral: | newly discovered dangers | | |
| intService: | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | warningInformation | information | | Language:eng |
| Text: |
| navwarnTypeDetails: uncharted rock | | |
| geometry | Point (Reported) 16-53.06S 122-03.78E | | |



## Example 4 – Submerged Object

|  |  |
| --- | --- |
| **Message element** | **Example 4 – Submerged Object** |
| 1. Message series identifier | NAVAREA xiiI 11/21  kara sea.  zaliv chikhachyova.  CHART (INT ).  underwater obstruction LOCATED in 59-29.25N 140-54.76W. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**:KARA SEA | |
| locality | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: ZALIV CHIKHACHOYOVA | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: RUXX  nationality:RU  **nameOfSeries**: NAVAREA XIII  interoperabilityidentifier: **warningNumber: 11**  **warningType: (4) NAVAREA navigational warning**  **year**: 21 | | |
| publicationTime | 20211101T000100Z | | |
| navwarnTypeGeneral: | newly discovered dangers | | |
| intService: | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | warningInformation | information | | Language:eng |
| Text:underwater obstruction located |
| navwarnTypeDetails: submerged object | | |
| geometry | Point 59-29.25N 140-54.76W | | |



## Example 5 – Less Water than Charted

|  |  |
| --- | --- |
| **Message element** | **Example 5 – Less Water than Charted** |
| 1. Message series identifier | NAVAREA XVI 98/21.  PERU.  BAHIA DEL CALLAO.  CHARt (INT ).  LESS WATER THAN CHARTED REPORTED  11-59.89S 077-17.50W. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**:PERU | |
| locality | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: BAHIA DEL CALLAO | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: PRXX  nationality:PR  **nameOfSeries**: NAVAREA XVI  interoperabilityidentifier: **warningNumber: 98**  **warningType: (4) NAVAREA navigational warning**  **year**: 21 | | |
| publicationTime | 20211101T000100Z | | |
| navwarnTypeGeneral: | Dangerous natural phenomena | | |
| intService: | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | warningInformation | information | | Language:eng |
| Text: Less Water than Charted |
| navwarnTypeDetails: low water level | | |
| geometry | Point (Reported) 11-59.89S 077-17.50W | | |



### **Discussion Points:**

# Is less water than charted low water level. This example seems to have category challenges?

# 8 Unexpected alteration or suspension of established routes

## Example 1 – TSS Closure

|  |  |
| --- | --- |
| **Message element** | **Example 1 – TSS Closure** |
| 1. Message series identifier | NAVAREA XIX 15/22 BARENTS SEA 1. DUE TO ROCKET LAUNCHING THE USE OF THE FOLLOWING TRAFFIC SEPARATION SCHEME AND RECOMMENDED ROUTE ARE TEMPORARILY SUSPENDED FROM 191400 TO 221400 UTC FEB 2022: A. TSS OFF VARDOE AND TSS OFF SLETTNES B. RECOMMENDED ROUTE BETWEEN TSS OFF VARDOE AND TSS OFF SLETTNES 2. CANCEL NAVAREA XIX 14/22 3. CANCEL THIS MESSAGE 221400 UTC FEB 2022 |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  | |
| **locationName** | | language: eng | |
| **text**: Barents Sea | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: NOXX  nationality:NO  **nameOfSeries**: NAVAREA XIX  interoperabilityidentifier: **warningNumber: 15**  **warningType: (4) NAVAREA navigational warning**  **year**: 2022 | | | |
| cancellationDate | 20220222T140000Z | | | |
| publicationTime | 20220216T140000Z | | | |
| navwarnTypeGeneral: | Routing change | | | |
| intService: | True | | | |
| NAVWARNPreambleContent | header (role) | ID00 | | | |
| theWarningPart (role) | ID01, ID02, ID03 | | | |
| NAVWARWNReferences | theWarning(role) | ID00 | | | |
| theReferences (role) | ID04 | | | |
| **NAVWARNPart (ID01)** | featureName | displayName:  language:  name: TSS OFF VARDOE | | | |
| fixedDateRange | dateEnd: 20220222  dateStart: 20220219  timeofDayEnd: 140000Z  timeofdayStart: 140000Z | | | |
| **warningInformation** | **information:** | Language: eng | | |
| **Text:** DUE TO ROCKET LAUNCHING THE USE OF THE FOLLOWING TRAFFIC SEPARATION SCHEME AND RECOMMENDED ROUTE ARE TEMPORARILY SUSPENDED | | |
| **NavwarnTypeDetails:** waterway recommended or not recommended for shipping | | | |
| geometry | Polygon surface: 70-33.75N 031-45.45E, 70-48.9N 31-57.4E, 70-41.9N 031-44.4E, 70-47.1N 031-24.6E | | | |
| **NAVWARNPart (ID02)** | featureName | displayName:  language:  name: TSS OFF SLETTNES | | | |
| fixedDateRange | dateEnd: 20220222  dateStart: 20220219  timeofDayEnd: 140000Z  timeofdayStart: 140000Z | | | |
| warningInformation | **information:** | | | Language: eng |
| **Text:** DUE TO ROCKET LAUNCHING THE USE OF THE FOLLOWING TRAFFIC SEPARATION SCHEME AND RECOMMENDED ROUTE ARE TEMPORARILY SUSPENDED |
| **NavwarnTypeDetails:** waterway recommended or not recommended for shipping | | | |
| geometry | Polygon surface: 70-59.1N 017-32.1E, 071-03.6N 018-48.3E, 71-06.6N 019-07.9E, 70-59.1N 019-18.4E, 70-56.9N 19-01.5E, 70-52.9N 018-48.2E. | | | |
| **NAVWARNPart (ID03)** | featureName | displayName:  language:  name: RECOMMENDED ROUTE BETWEEN TSS OFF VARDOE AND TSS OFF SLETTNES | | | |
| fixedDateRange | dateEnd: 20220222  dateStart: 20220219  timeofDayEnd: 140000Z  timeofdayStart: 140000Z | | | |
| warningInformation | **information:** | | | Language: eng |
| **Text:** DUE TO ROCKET LAUNCHING THE USE OF THE FOLLOWING TRAFFIC SEPARATION SCHEME AND RECOMMENDED ROUTE ARE TEMPORARILY SUSPENDED |
| **NavwarnTypeDetails:** waterway recommended or not recommended for shipping | | | |
| geometry | Curve (line) 71-02-9N 19-13.3E, 71-29.6N 22-19.5E, 71-42.2N 025-50.6E, 071-25.5N 029-04.7E, 70-50.1N 031-33.9E. | | | |
| **References (ID04)** | **messageSeriesIdentifier** | **agencyResponsibleForProduction**: NOXX  nationality:NO  **nameOfSeries**: NAVAREA XIX  interoperabilityidentifier: **warningNumber: 14**  **warningType: (4) NAVAREA navigational warning**  **year**: 2022 | | | |
| noMessageOnHand | False | | | |
| referenceCategory | Warning cancellation = 1 | | | |



### **Discussion Points:**

1. As this is written, it’s impossible to be effectively encoded under S-124 standards. The TSS would have to be given a position or somehow associate the TSS feature from the proper S-100 dataset to properly display such a large area.
2. Had to pull rough positions to encode the warning, also could have added an AreaAffected if the user wanted to use one.

## Example 2 – Compulsory Pilotage

|  |  |
| --- | --- |
| **Message element** | **Example 2 – Compulsory Pilotage** |
| 1. Message series identifier | NAVAREA X 234/22  AUSTRALIA NORTH COAST. TORRES STRAIT.  CHART (INT ).  COMPULSORY TORRES STRAIT PILOTAGE 10-32S 143-01E. MASTERS OF SHIPS 70 METRES IN LENGTH OVERALL OR GREATER, AND ALL LOADED OIL, CHEMICAL TANKERS OR  LIQUEFIED GAS CARRIERS ARE ADVISED THAT AUSTRALIAN LAW  HAS BEEN AMENDED TO REQUIRE A LICENSED PILOT TO BE ENGAGED WHEN NAVIGATING THE TORRES STRAIT. ALL SHIPS WILL BE AUTOMATICALLY CHECKED FOR COMPLIANCE AND THE FAILURE TO EMBARK A LICENSED PILOT MAY RESULT IN PROSECUTION. MASTERS OF SHIPS SHOULD ENSURE CONTACT IS MADE IN A TIMELY MANNER WITH A PILOTAGE PROVIDER TO GUARANTEE A LICENSED PILOT IS BOOKED. THE FOLLOWING ARE THE CONTACT DETAILS OF THE TWO COMPANIES THAT CAN PROVIDE LICENSED PILOTS: AUSTRALIAN REEF PILOTS PTY LTD. – [OPERATIONS@REEFPILOTS.COM.AU.](mailto:OPERATIONS@REEFPILOTS.COM.AU) TORRES PILOTS PTY LTD - [OPERATIONS@TORRESPILOTS.COM.AU.](mailto:OPERATIONS@TORRESPILOTS.COM.AU) |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**:Australia North Coast | |
| locality | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: Toreres Strait | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: AUXX  nationality:AU  **nameOfSeries**: NAVAREA X  interoperabilityidentifier: **warningNumber: 234**  **warningType: (4) NAVAREA navigational warning**  **year**: 22 | | |
| publicationTime | 2022101T000100Z | | |
| navwarnTypeGeneral: | Routeing change | | |
| intService: | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | warningInformation | information | | Language:eng |
| Text: COMPULSORY TORRES STRAIT PILOTAGE MASTERS OF SHIPS 70 METRES IN LENGTH OVERALL OR GREATER, AND ALL LOADED OIL, CHEMICAL TANKERS OR LIQUEFIED GAS CARRIERS ARE ADVISED THAT AUSTRALIAN LAW  HAS BEEN AMENDED TO REQUIRE A LICENSED PILOT TO BE ENGAGED WHEN NAVIGATING THE TORRES STRAIT. ALL SHIPS WILL BE AUTOMATICALLY CHECKED FOR COMPLIANCE AND THE FAILURE TO EMBARK A LICENSED PILOT MAY RESULT IN PROSECUTION. MASTERS OF SHIPS SHOULD ENSURE CONTACT IS MADE IN A TIMELY MANNER WITH A PILOTAGE PROVIDER TO GUARANTEE A LICENSED PILOT IS BOOKED. THE FOLLOWING ARE THE CONTACT DETAILS OF THE TWO COMPANIES THAT CAN PROVIDE LICENSED PILOTS: AUSTRALIAN REEF PILOTS PTY LTD. – [OPERATIONS@REEFPILOTS.COM.AU.](mailto:OPERATIONS@REEFPILOTS.COM.AU) TORRES PILOTS PTY LTD - [OPERATIONS@TORRESPILOTS.COM.AU.](mailto:OPERATIONS@TORRESPILOTS.COM.AU) |
| navwarnTypeDetails: new or amended regulation | | |
| geometry | Point 10-32S 143-01E. | | |



### **Discussion Points:**

1. As this is written, there’s really no possible changes to the actual text area.
2. The NW symbol would plot this NW at the provided point geometry only.
3. Potential areaAffected for the entire torres strait seems excessive.

## Example 3 – Temporary Traffic Lanes

|  |  |
| --- | --- |
| **Message element** | **Example 3 – Temporary Traffic Lanes** |
| 1. Message series identifier | NAVAREA V 206/22  BRAZIL - SOUTH COAST.  CHART (INT ).  1. NAVAL CONTROL EXERCISE 091900 UTC TO 130300 UTC NOV 2022 IN AREA BOUNDED BY: 31-33.00S 051-14.50W, 32-17.50S 050-07.00W,  33-51.00S 051-33.50W, 33-07.00S 052-38.00W.  A. MERCHANT ships SHOULD CROSS MARITIME AREA USING THE FOLLOWING LANES:  i) LANE COASTAL-1: (DIRECTION NE-SW) 32-00.00S 050-50.00W AND 33-20.00S 052-03.00W.  ii) LANE COASTAL-2: (NC2-PORT RIO GRANDE) 32-38.00S 051-25.00W AND 32-15.00S 051-58.00W.  B. WIDTH OF LANE IS SIX NAUTICAL MILES, THREE NAUTICAL MILES ON EACH SIDE OF THE TRACKLINE JOINING:  i) NC1: 32-00.00S 050-50.00W.  ii) NC2: 32-38.00S 051-25.00W.  iii) NC3: 33-20.00S 052-03.00W.  C. ACCESS AND DEPART RIO GRANDE PORT FROM: 32-15.00S 051-58.00W.  D. ACCORDING TO ENTERING POSITION, MERCHANT shipS IN THE AREA SHOULD CALL LANE CONTROLLER ships BY VHF CHANNELS 16 AND 10, USING THE FOLLOWING:  i) NC1 CONTROLLER OF MERCHANT SHIPS ENTERING AND LEAVING BY NORTHEAST OF AREA.  ii) NC2 CONTROLLER OF MERCHANT SHIPS REQUESTING AND LEAVING FROM POINT OF ACCESS AND DEPART OF RIO GRANDE PORT.   1. NC3 CONTROLLER OF MERCHANT SHIPS ENTERING AND LEAVING BY SOUTHWEST OF AREA.   2. CANCEL THIS MSG 130400 UTC NOV 2022. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  | |
| **locationName** | language: eng | |
| **text**: Brazil-South Coast | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: BRXX  nationality:BR  **nameOfSeries**: NAVAREA V  interoperabilityidentifier: **warningNumber: 206**  **warningType: (4) NAVAREA navigational warning**  **year**: 22 | | |
| cancellationDate | 20221113T040000Z | | |
| publicationTime | 20221110T040000Z | | |
| navwarnTypeGeneral: | Routing change | | |
| intService: | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01, ID02 | | |
| NAVWARWNReferences | theWarning(role) |  | | |
| theReferences (role) |  | | |
| TextAssociation | Identifies (role) |  | | |
| Positions (role) |  | | |
| AreaAffected | Impacts (role) |  | | |
| Affects (role) |  | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd: 20221113  dateStart: 20221109  timeofDayEnd: 030000Z  timeofdayStart: 190000Z | | |
| warningInformation | **information:** | | Language: eng |
| Text: Naval Control exercise |
| **NavwarnTypeDetails:** exclusion zone | | |
| geometry | Surface (polygon) 31-33.00S 051-14.50W, 32-17.50S 050-07.00W,33-51.00S 051-33.50W, 33-07.00S 052-38.00W. | | |
| **NAVWARNPart (ID03)** | featureName | displayName:  language:  name: RECOMMENDED ROUTE BETWEEN TSS OFF VARDOE AND TSS OFF SLETTNES | | |
|  | fixedDateRange | dateEnd: 20220222  dateStart: 20220219  timeofDayEnd: 140000Z  timeofdayStart: 140000Z | | |
|  | warningInformation | **information:** | | |
| NAVWARNAreaAffected | geometry |  | | |
| TextPlacement | flipBearing |  | | |
| scaleMinimum |  | | |
| Text |  | | |
| textJustification |  | | |
| geometry |  | | |
| **References** | **messageSeriesIdentifier** | **agencyResponsibleForProduction**:  nationality:  **nameOfSeries**:  interoperabilityidentifier: **warningNumber:**  **warningType**  **year**: | | |
| noMessageOnHand |  | | |
| referenceCategory |  | | |



1. In this example we’ve demonstrated how complex S-124 coding can become.
2. WWNWS-SC may need to re-assess how the to manage such complex NAVAREA warnings usig S-124 coding. That is, how much information should one navigational warning message contain? Is it more effective/efficient to separate content for ease of understanding?

## Example 4 – Port Closure

|  |  |
| --- | --- |
| **Message element** | **Example 5 – Port Closure** |
| 1. Message series identifier | NAVAREA IV 785/21  DUE TO PASSAGE OF HURRICANE IDA:  1. THE FOLLOWING PORT(S) ARE CLOSED:  A. PORT OF BATON ROUGE 30-27N 091-11W.  B. PORT OF NEW ORLEANS 29-57N 090-03W.  2. THE FOLLOWING PORT(S) ARE OPEN WITH RESTRICTIONS:  A. PASCAGOULA 30-21N 088-34W.  B. PENSACOLA 30-24N 087-13W.  3. THE FOLLOWING PORT(S) HAVE RE-OPENED:  A. MOBILE 30-41N 088-07W.  4. CURRENT PORT INFORMATION CAN BE FOUND AT  HOMEPORT.USCG.MIL USING TH-E PORT DIRECTORY TAB.  5. CANCEL NAVAREA IV 780/21. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: |
| locality | localityIdentifier |  |
|  | **locationName** | language: eng |
|  |  | **text**: |
| **messageSeriesIdentifier** | nationality: US  **nameOfSeries**: NAVAREA IV  **agencyResponsibleForProduction**: NGA  interoperabilityidentifier: **warningNumber**: 785  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |
| affectedChartPublications | chartAffected:  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate |  | |
| **publicationTime** | 20210101T000000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Routing change | |
|  | **intService:** | Y | |
| **NAVWARNPart (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** DUE TO PASSAGE OF  HURRICAN IDA THE FOLLOWING  PORTS ARE CLOSED. CURRENT  PORT INFORMATION CAN BE FOUND AT HOMEPORT.USCG.MIL USING THE PORT DIRECTORY TAB.  **NavwarnTypeDetails**: opening or closing of harbour | |
| geometry | 30-27 091-11w | |
| NAVAWARNAreaAffected | Point | |
| geometry | 29-57 09-03w | |
| NAVAWARNAreaAffected | Point | |
| restriction | (8) entry restricted | |
| **TextPlacement (ID02)** | **text** | Baton Rouge | |
| **textJustification** | right | |
| **geometry** | 30-27 091-11w | |
| flipBearing |  | |
| ScaleMinimum |  | |
| **TextPlacement (ID03)** | **text** | New Orleans | |
| **textJustification** | right | |
| **geometry** | 29-57N 090-03W | |
| flipBearing |  | |
| ScaleMinimum |  | |
| **NAVWARNPart (ID04)** | header (role) | ID00 | |
| theWarningPart (role) | ID04 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** DUE TO PASSAGE OF HURRICAN IDA THE FOLLOWING PORTS ARE open with RESTRICTIONS.  CURRENT PORT INFORMATION CAN BE FOUND AT HOMEPORT.USCG.MIL USING THE PORT DIRECTORY TAB.  **NavwarnTypeDetails**: open/close harbour | |
| geometry | 30-21N 088-34W | |
| NAVAWARNAreaAffected | Point | |
| geometry | 30-24N 087-13W | |
| NAVAWARNAreaAffected | Point | |
| restriction | (8) entry restricted | |
| **TextPlacement (ID05)** | **text** | PASCAGOULA | |
| **textJustification** | right | |
| **geometry** | 30-21N 088-34W | |
| flipBearing |  | |
| ScaleMinimum |  | |
| **TextPlacement (ID06)** | **text** | PENSACOLA | |
| **textJustification** | right | |
| **geometry** | 29-57N 090-03W | |
| flipBearing |  | |
| ScaleMinimum |  | |
| **NAVWARNPart (ID07)** | header (role) | ID00 | |
| theWarningPart (role) | ID07 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** DUE TO PASSAGE OF HURRICAN IDA THE FOLLOWING PORTS HAVE RE-OPENED  **NavwarnTypeDetails**: open/close harbour | |
| geometry | 30-41N 088-07W | |
| restriction | (8) entry restricted | |
| **TextPlacement (ID08)** | **text** | MOBILE | |
| **textJustification** | right | |
| **geometry** | 30-41N 088-07W | |
| flipBearing |  | |
| ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
| ReferenceCategory | 1 | |
| messageSeriesIdentifier | nationality: US  **nameOfSeries**: NAVAREA IV  **agencyResponsibleForProduction**: NGA  interoperabilityidentifier: **warningNumber**: 780  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |

# 9 Cable or pipe-laying activities, seismic survey, the towing of large submerged objects for research or exploration purposes, the employment of manned or unmanned submersibles, or other underwater operations constituting potential dangers in or near shipping lanes

## Example 1 – Hydrographic Survey

|  |  |
| --- | --- |
| **Message element** | **Example 1 – Hydrographic Survey** |
| 1. Message series identifier | NAVAREA III 821/21  eastern mediterranean sea.  cyprus.  CHART (INT ).  1. hydrographic survey in progress until  170001 utc nov 2021  by m/v nautical geo in area bound by  34-18.65n 033-08.00e, 34-24.23n 032-20.74e,  34-20.11n 032-20.63e, 34-13.36n 033-07.27e.  wide berth requested.  2. cancel this msg 170101 utc nov 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: EASTERN MEDITERRANEAN SEA |
| locality | localityIdentifier | |  |
| locationName | | language: eng |
| **text:** CYPRUS |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: ESXX  nationality: ES  **nameOfSeries**: NAVAREA III  interoperabilityidentifier: **warningNumber: 821**  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20211113T000000Z | | |
| cancellationDate | 20211117T010100Z | | |
| **navwarnTypeGeneral:** | Special operations | | |
| **intService:** | true | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NavigationalWarn Part (ID01)** | fixedDateRange | dateEnd: 20211117  dateStart:20211113  timeofDayEnd:000100Z  timeofDayStart: 000000Z | | |
| **warningInformation** | **information** | **Language: eng** | |
| **Text:** M/v nautical geo WIDE BERTH REQUESTED | |
| navwarwnTypeDetails: hydrographic survey activity | | |
| geometry | Polygon (surface) 34-18.65n 033-08.00e, 34-24.23n 032-20.74e,34-20.11n 032-20.63e, 34-13.36n 033-07.27e. | | |



### **Discussion Points:**

1. Wide berth around a moving object, like a ship, can only be captured in text. In this case I kept the text within the warning part as apposed to cartographic text.

## Example 2 – Scientific Survey

|  |  |
| --- | --- |
| **Message element** | **Example 2 – Scientific Survey** |
| 1. Message series identifier | NAVAREA xv 95/21  eastern south pacific.  chile  CHART (INT ).  1. scientific operations by m/v abate molina from  090345 utc may 2021 to 07000 utc jun 2021  in area bound by  32-10.00s 071-41.00w, 38-02.00s 074-05.00w,  40-20.00s 074-40.00w, 40-20.00s 073-47.00w.  wide berth requested.  2. cancel this msg 070100 utc jun 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: EASTERN SOUTH PACIFIC |
| locality | localityIdentifier | |  |
| locationName | | language: eng |
| **text:** CHILIE |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: CLXX  nationality: CL  **nameOfSeries**: NAVAREA XV  interoperabilityidentifier: **warningNumber: 95**  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20210507T000000Z | | |
| cancellationDate | 20210607T010000Z | | |
| **navwarnTypeGeneral:** | Special operations | | |
| **intService:** | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NavigationalWarn Part (ID01)** | fixedDateRange | dateEnd: 20210607  dateStart:20210509  timeofDayEnd:000100Z  timeofDayStart: 000000Z | | |
| **warningInformation** | **information** | **Language: eng** | |
| **Text:** m/v abate molina WIDE BERTH REQUESTED | |
| navwarwnTypeDetails: | | |
| geometry | Polygon (surface) 32-10.00s 071-41.00w, 38-02.00s 074-05.00w,40-20.00s 074-40.00w, 40-20.00s 073-47.00w. | | |

Notes: Challenging to determine is this “scientific operation” is a survey. Thus navwarndetail is left blank.



## Example 3 – Seismic Survey

|  |  |
| --- | --- |
| **Message element** | **Example 3 – Seismic Survery** |
| 1. Message series identifier | NAVAREA XIII 43/21  sea of okhotsk.  CHART (INT )  1. seismic SURVEY OPERATIONS IN PROGRESS  UNTIL 310001 utc AUG 2021 BY M/V VYACHESLAV TIKHONOV AND M/V PX GEO TOWING 4050 METER LONG CABLES IN AREA BOUND BY  52-46.56N 143-22.21E, 52-45.73N 143-57.85E,  52-02.62N 143-54.99E, 52-03.61N 143-11.28E.  FOUR MILE BERTH REQUESTED.  2. CANCEL THIS MSG 3101001 utc aug 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: SEA OF OKHOTSK |
| locality | localityIdentifier | |  |
| locationName | | language: eng |
| **text:** |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: RUXX  nationality: RU  **nameOfSeries**: NAVAREA XIII  interoperabilityidentifier:  nameOfSeries: **warningNumber: 43**  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 202108029T000000Z | | |
| cancellationDate | 20210831T010100Z | | |
| **navwarnTypeGeneral:** | Special operations | | |
| **intService:** | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd: 20210831  dateStart:20210829  timeofDayEnd:000100Z  timeofDayStart: 000000Z | | |
| **warningInformation** | **information** | **Language: eng** | |
| **Text:** BY M/V VYACHESLAV TIKHONOV AND M/V PX GEO TOWING 4050 METER LONG CABLES, four mile berth requested. | |
| navwarwnTypeDetails: seismic survey operation | | |
| geometry | Polygon (surface) 52-46.56N 143-22.21E, 52-45.73N 143-57.85E,52-02.62N 143-54.99E, 52-03.61N 143-11.28E. | | |



### **Discussion Points:**

1. Would “four mile berth requested” be kept within the msg, or perhaps cartographic text. Next gen standards could a four mile polygon around an AIS feed?
2. No Locality?

## Example 4 – Dredging Operations

|  |  |
| --- | --- |
| **Message element** | **Example 4 – Dredging Operations** |
| 1. Message series identifier | NAVAREA xVIII 42/21  huDson bay.  canada.  CHART (INT ).  dredging operations 1100 utc to 2300 utc daily 18 AUG 2021 until further notice BY tugs poinciana and manuels river in vicinity 47-12.96n 061-59.09w. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: HUDSON BAY |
| locality | localityIdentifier | |  |
| locationName | | language: eng |
| **text:** CANADA |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: CAXX  nationality: CA  **nameOfSeries**: NAVAREA XVIII  interoperabilityidentifier: **warningNumber:** 42  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 202108017T000000Z | | |
| **navwarnTypeGeneral:** | works | | |
| **intService:** | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NavigationalWarn Part (ID01)** | fixedDateRange | dateEnd:  dateStart:20210818  timeofDayEnd:  timeofDayStart: 110000Z | | |
| **warningInformation** | **information** | **Language: eng** | |
| **Text:** 1100 utc to 2300 utc daily 18 AUG 2021 until further notice BY tugs poinciana and manuels river. | |
| navwarwnTypeDetails: dredging operation | | |
| geometry | Point 47-12.96n 061-59.09w | | |



**Discussion Points:**

1. We have a daily period with no end dat, hard to do that in fixewdDateRange.

## Example 5 – Pipe Laying Operations

|  |  |
| --- | --- |
| **Message element** | **Example 5 – Pipe laying operations** |
| 1. Message series identifier | NAVAREA iii 795/21  mediterranean sea.  tunisia.  CHART (INT ).  1. PIPELAYING OPERATIONS IN PROGRESS UNTIL 130001 utc feB 2022 BY M/V ievoli ivori in area bound by  37-01.01n 011-04.22e, 37-12.80n 011-15.51e, 37-12.80n 011-15.10e, 37-25.47n 011-42.71e.  one mile berth requested.  2. cancel this msg 130001 utc feb 2022. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: mediterranean sea. |
| locality | localityIdentifier | |  |
| locationName | | language: eng |
| **text:** Tunisia |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: ESXX  nationality: ES  **nameOfSeries**: NAVAREA III  interoperabilityidentifier:  nameOfSeries: **warningNumber:** 795  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20210209T000001Z | | |
| cancellationDate | 20210213T000100Z | | |
| **navwarnTypeGeneral:** | works | | |
| **intService:** | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd: 20210213  dateStart:20210209  timeofDayEnd: 000100Z  timeofDayStart: 000001Z | | |
| **warningInformation** | **information** | **Language: eng** | |
| **Text:** M/V ievoli ivori. ONE MILE BERTH REQUESTED | |
| navwarwnTypeDetails: pipe laying operation | | |
| geometry | Polygon (surface) 37-01.01n 011-04.22e, 37-12.80n 011-15.51e, 37-12.80n 011-15.10e, 37-25.47n 011-42.71e. | | |



**Discussion Points:**

1. HOW CAN WE HAVE AN EVENT END WITHOUT AN EVENT START TIME?

## Example 6 – Unmanned Operations

|  |  |
| --- | --- |
| **Message element** | **Example 6 – Unmanned operations** |
| 1. Message series identifier | NAVAREA IV 1123/21  north ATLANTIC OCEAN.  1. unmanned atlantic crossing by four metre  m/v mahi two in vicinity of line joining  19-38.30n 035-00.00w, 18-50.01n 036-36.39w,  17-24.81n 044-29.68w, 17-04.67n 051-21.64w,  16-23.00n 059-04.41w.  2. for the most current position of m/v mahi two,  go to projectmahi.datylon.com |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: NORTH ATLANTIC OCEAN |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: USXX  nationality: US  **nameOfSeries**: NAVAREA IV  interoperabilityidentifier:  nameOfSeries: **warningNumber:** 1123  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20210209T000001Z | | |
| **navwarnTypeGeneral:** | Other: Unmanned Operations | | |
| **intService:** | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:  dateStart:20210209  timeofDayEnd:  timeofDayStart: 000001Z | | |
| **warningInformation** | **information** | **Language: eng** | |
| **Text:** M/V unmanned atlantic crossing by four metre m/v mahi two. for the most current Position of m/v mahi two,go to projectmahi.datylon.com | |
| geometry | Line(surface) 19-38.30n 035-00.00w, 18-50.01n 036-36.39w,17-24.81n 044-29.68w, 17-04.67n 051-21.64w,16-23.00n 059-04.41w. | | |

**Discussion Points:**

1. In this case I used the encoding=other: [something]



## Example 7 – Cable Laying Operations

|  |  |
| --- | --- |
| **Message element** | **Example 7 – Cable Laying Operations** |
| 1. Message series identifier | NAVAREA I 193/21  western approaches to the english channel.  CHART (INT ).  cable laying OPERATIONS IN PROGRESS by m/v ile de  brehat in vicinity of lines joining:  a. 49-00.80n 007-55.60w, 49-02.20n 007-53.90w.  b. 49-05.10n 007-52.40w, 49-06.00n 007-52.60w. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: western approaches to the english channel. |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: UKXX  nationality: UK  **nameOfSeries**: NAVAREA I  interoperabilityidentifier:  nameOfSeries: **warningNumber:** 193  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | | |
| **publicationTime** | 20210209T000001Z | | |
| **navwarnTypeGeneral:** | works | | |
| **intService:** | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:  dateStart:20210209  timeofDayEnd:  timeofDayStart: 000001Z | | |
| **warningInformation** | **information** | **Language: eng** | |
| **Text:** m/v ile de brehat | |
| navwarwnTypeDetails: cable laying operation | | |
| geometry | Line(surface) 49-00.80n 007-55.60w, 49-02.20n 007-53.90w. | | |
| geometry | LINE(SURAFCE) 9-05.10n 007-52.40w, 49-06.00n 007-52.60w. | | |

## Example 8 – Ship to Ship Operations

|  |  |
| --- | --- |
| **Message element** | **Example 8 – Ship to Ship Operations** |
| 1. Message series identifier | NAVAREA IV 20/22  western south atlantic.  east of paranagua.  CHART (INT ).  1. ship to ship OPERATIONS 290900 UTC dec 2021 to  010900 utc jan 2022 Between M/V lena knutsen and  M/V saveiros in 10-02.28N 060-15.08W.  2. CANCEL THIS MESSAGE 011000 UTC jan 2022. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: western south atlantic. |
| locality | localityIdentifier | |  |
| locationName | | language: eng |
| **text:** east of paranagua. |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: USXX  nationality: US  **nameOfSeries**: NAVAREA IV  interoperabilityidentifier:  nameOfSeries: **warningNumber:** 20  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | | |
| **publicationTime** | 20211224T090001Z | | |
| **cancellationDate** | 20220101T100000Z | | |
| **navwarnTypeGeneral:** | Other = Ship to Ship operations | | |
| **intService:** | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd: 20220101  dateStart:20211229  timeofDayEnd: 090000Z  timeofDayStart: 090000Z | | |
| **warningInformation** | **information** | **Language: eng** | |
| **Text:** M/V lena knutsen and M/V saveiros | |
| geometry | Point 10-02.28N 060-15.08W | | |



## Example 9 – Diving Operations

|  |  |
| --- | --- |
| **Message element** | **Example 8 – Diving operations** |
| 1. Message series identifier | NAVAREA V 20/22  western south ATLANTIC.  east of ponta do ubu.  CHART (INT ).  1.diving OPERATIONS IN PROGRESS 1100 utc to 2100  utc daily 23 to 26 oct 2022 in 20-50.33s 040-03.52w.  2.CANCEL THIS MESSAGE 262200 UTC oct 2022. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: western south atlantic. |
| locality | localityIdentifier | |  |
| locationName | | language: eng |
| **text:** east of ponta do ubu. |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: BRXX  nationality: BR  **nameOfSeries**: NAVAREA V  interoperabilityidentifier:  nameOfSeries: **warningNumber:** 20  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | | |
| **publicationTime** | 20221024T000001Z | | |
| **cancellationDate** | 20221026T220000Z | | |
| **navwarnTypeGeneral:** | works | | |
| **intService:** | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd: 20221023  dateStart:20221023  timeofDayEnd: 210000Z  timeofDayStart: 110000Z | | |
| fixedDateRange | dateEnd: 20221024  dateStart:20221024  timeofDayEnd: 210000Z  timeofDayStart: 110000Z | | |
| fixedDateRange | dateEnd: 20221025  dateStart:20221025  timeofDayEnd: 210000Z  timeofDayStart: 110000Z | | |
| fixedDateRange | dateEnd: 20221026  dateStart:20221026  timeofDayEnd: 210000Z  timeofDayStart: 110000Z | | |
| **warningInformation** | **information** | **Language: eng** | |
| **Text:** 1100 utc to 2100 utc daily 23 to 26 oct 2022 | |
| **navwarnTypeDetails:** diving operation | | |
| geometry | Point 20-50.33s 040-03.52w | | |



**Discussion Points:**

1. Added in the text to provide more information to give more situational awareness.

# 10 The establishment of research or scientific instruments in or near shipping lanes

## Example 1 – Scientific Mooring

|  |  |
| --- | --- |
| **Message element** | **Example 1 – Scientific Mooring** |
| 1. Message series identifier | NAVAREA ii 251/22  bay of biscay.  spain.  CHART (INT ).  1. scientific moorings established until 010001 utc mar 2022 by m/v atalante in:  a. 46-06.00n 006-47.00w.  b. 44-10.00n 002-10.00w.  2. cancel this msg 010100 utc mar 2022. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: Bay of Biscay |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: Spain |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: FRXX  nationality: FR  **nameOfSeries**: NAVAREA II  interoperabilityIdentifier: **warningNumber: 251**  **warningType: (4) NAVAREA Navigational Warning**  **year**: 2022 | | |
| cancellationDate | 20220301T010000Z | | |
| publicationTime | 20220201T000001Z | | |
| navwarnTypeGeneral: | Scientific Instruments Change | | |
| intService: | Y | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| AreaAffected | Impacts (role) | ID01 | | |
| Affects (role) | ID02 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:20220301  dateStart:  timeofDayEnd:000100Z  timeofdayStart: | | |
| **warningInformation** | **information:** | Language:eng | |
| **Text:** established by M/V ATALANTE | |
| **NavwarnTypeDetails:** scientific moorings | | |
| geometry | Point 46-06.00n 006-47.00w. | | |
| geometry | Point 44-10.00n 002-10.00w | | |
| NAVWARNAreaAffected (ID02) | geometry | Circle by center point radium 2 NM 46-06.00n 006-47.00w. | | |
| geometry | Circle by center point radium 2 NM 44-10.00n 002-10.00w | | |

### **Discussion Points:**

Assumed an areaAffected of 2NM from each mooring.

## Example 2 – Tide Gauge

|  |  |
| --- | --- |
| **Message element** | **Example 2 – Tide Gauge** |
| 1. Message series identifier | NAVAREA x 180/21  arafura sea.  australia-north coast.  CHART (INT ).  tide GAUGE in 10-31.30s 141-12.70e unreliable. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: ARAFURA SEA |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: AUSTRALIA-NORTH COAST |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: AUXX  nationality: AU  **nameOfSeries**: NAVAREA X  interoperabilityIdentifier: **warningNumber: 180**  **warningType: (4) NAVAREA Navigational Warning**  **year**: 2021 | | |
| cancellationDate |  | | |
| publicationTime | 20210201T000001Z | | |
| navwarnTypeGeneral: | Scientific Instruments Change | | |
| intService: | Y | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| AreaAffected | Impacts (role) | ID01 | | |
| Affects (role) | ID02 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:  dateStart: 20210201  timeofDayEnd:  timeofdayStart:000001Z | | |
| **warningInformation** | **information:** | Language:eng | |
| **Text:** established by GAUGE UNRELIABLE | |
| **NavwarnTypeDetails:** tide gauge change | | |
| geometry | Point 10-31.3S 141-12.7E | | |
| NAVWARNAreaAffected (ID02) | geometry | Circle by center point radium 2 NM 0-31.3S 141-12.7E | | |

### **Discussion Points:**

Assumed an areaAffected of 2NM from the tide gauge

## Example 3 – Scientific Buoy

|  |  |
| --- | --- |
| **Message element** | **Example 3** |
| 1. Message series identifier | NAVAREA IV 333/21  NORTH ATLANTIC OCEAN.  GRAND BANKS OF NEWFOUNDLAND. CHART (INT ).  DART BUOY ESTABLISHED 44-04.58N 055-12.80W. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: NORTH ATLANTIC OCEAN |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: GRAND BANKS OF NEWFOUNDLAND |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: USXX  nationality: US  **nameOfSeries**: NAVAREA IV  interoperabilityIdentifier: **warningNumber: 333**  **warningType: (4) NAVAREA Navigational Warning**  **year**: 2021 | | |
| cancellationDate |  | | |
| publicationTime | 20210201T000001Z | | |
| navwarnTypeGeneral: | aids to navigation changes | | |
| intService: | Y | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| AreaAffected | Impacts (role) | ID01 | | |
| Affects (role) | ID02 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:  dateStart: 20210201  timeofDayEnd:  timeofdayStart:000001Z | | |
| **warningInformation** | **information:** | Language:eng | |
| **Text:** established by DART BUOY | |
| **NavwarnTypeDetails:** buoy establishment | | |
| geometry | Point 44-04.58N 055-12.80W | | |
| NAVWARNAreaAffected (ID02) | geometry | Circle by center point radius 5NM 44-04.58N 055-12.80W | | |

### **Discussion Points:**

Assumed an areaAffected of 5NM from the tide gauge

## Example 4 – Acoustic Recorder

|  |  |
| --- | --- |
| **Message element** | **Example 4 – Acoustic Recorder** |
| 1. Message series identifier | NAVAREA xvII 55/19  IONIAN SEA.  CHART (INT ).  1. acoustic seabed instruments deployed from 231500 utc to 242000 utc mar 2019 in:  a. 44-41.46n 063-37.71w.  b. 44-41.46n 063-38.38w.  c. 44-41.32n 063-38.04w.  2. cancel this msg 242100 mar 2019. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: IONIAN SEA. |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: CAXX  nationality: CA  **nameOfSeries**: NAVAREA XVII  interoperabilityIdentifier: **warningNumber: 55**  **warningType: (4) NAVAREA Navigational Warning**  **year**: 2019 | | |
| cancellationDate | 20190324T210000Z | | |
| publicationTime | 20190322T000001Z | | |
| navwarnTypeGeneral: | scientific instruments change | | |
| intService: | Y | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:20190324  dateStart:20190323  timeofDayEnd:200000Z  timeofdayStart:150000Z | | |
| **warningInformation** | **information:** | Language:eng | |
| **Text:** established by SEABED INSTRUMENT DEPLOYED | |
| **NavwarnTypeDetails:** acoustic recorder | | |
| geometry | Point 44-41.46n 063-37.71w. | | |
| geometry | Point 44-41.46n 063-38.38w. | | |
| geometry | Point 44-41.32n 063-38.04w. | | |

**Discussion Points:**

No locality Listed

Used Multipoint with out an area affected since this is a seabed hazard, with the only concern to surface shipping being anchoring.

# 11 The establishment of offshore structures in or near shipping lanes

## Example 1 – Drill Rig on Location

|  |  |
| --- | --- |
| **Message element** | **Example 1 – Drill Rig on Location** |
| 1. Message series identifier | NAVAREA x 5/21  indian ocean.  australia-northwest coast.  CHART (INT ).  drill rig valaris ms-1 in 20-57.27s 114-52.10e.  2.5 miles clearance requested. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: INDIAN OCEAN |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: AUSTRALIA-NORTHWEST COAST |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: AUXX  nationality: AU  **nameOfSeries**: NAVAREAX  interoperabilityIdentifier: **warningNumber: 5**  **warningType: (4) NAVAREA Navigational Warning**  **year**: 2021 | | |
| publicationTime | 20210201T000001Z | | |
| navwarnTypeGeneral: | Offshore infrastructure | | |
| intService: | Y | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| AreaAffected | Impacts (role) | ID01 | | |
| Affects (role) | ID02 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:  dateStart: 20210201  timeofDayEnd:  timeofdayStart:000001Z | | |
| **warningInformation** | **information:** | Language:eng | |
| **Text:** drill rig valaris ms-1, 2.5 mile clearance requested | |
| **NavwarnTypeDetails:drilling site operations** | | |
| geometry | Point 20-57.27s 114-52.10e. | | |
| restriction | 8=entry restricted | | |
| NAVWARNAreaAffected (ID02) | geometry | Circle by center point radius 2.5NM 20-57.27s 114-52.10e. | | |

## Example 2 – Drilling Site Operations

|  |  |
| --- | --- |
| **Message element** | **Example 2 – Drilling Site Operations** |
| 1. Message series identifier | NAVAREA VII 117/21  SOUTH ATLANTIC OCEAN.  ANGOLA, CONGO, IVORY COAST AND NAMIBIA. CHART (INT ).  RIG LIST:  05-08.58S 011-55.15E PRIDE CAPINDA.  05-33.08S 011-27.08E PRIDE VENEZUELA.  06-03.81S 011-05.86E GSF RIG 140.  06-19.02S 011-03.23E KIZOMBA A (NEW).  06-20.15S 011-18.01E PRIDE SOUTH PACIFIC.  06-20.92S 011-09.22E KIZOMBA B.  07-40.05S 011-45.08E PRIDE AFRICA.  07-43.00S 011-43.00E PRIDE ANGOLA.  35-08.86S 022-31.81E PRIDE SOUTH SEAS.  35-13.99S 021-29.89E ORCA.  FOUR MILE EXCLUSION ZONE ABOUT RIGS DUE TO PRESENCE OF UNLIT ANCHOR MARKING BUOYS. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  | |
| **locationName** | | language: eng | |
| **text**: SOUTH ATLANTIC OCEAN | |
| locality | localityIdentifier | |  | |
| **locationName** | | language: eng | |
| **text**: ANGOLA, CONGO, IVORY COAST AND NAMIBIA | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: ZAXX  nationality:ZA  **nameOfSeries**: NAVAREA VII  interoperabilityIdentifier: **warningNumber: 117**  **warningType: (4) NAVAREA navigational warning**  **year**: 2021 | | | |
| NAVWARNtitle | Language:eng  Text:RIG LIST | | | |
| publicationTime | 20210622T140000Z | | | |
| navwarnTypeGeneral: | Offshore infrastructure | | | |
| intService: | true | | | |
| NAVWARNPreambleContent | header (role) | ID00 | | | |
| theWarningPart (role) | ID01, ID02, ID03, ID04, ID05, ID06, ID07, ID08, ID09, ID10 | | | |
| AreaAffected | Impacts (role) | ID01, ID02, ID03, ID04, ID05, ID06, ID07, ID08, ID09, | | | |
| Affects (role) | ID11, ID12, ID13, ID14, ID15, ID16, ID17, ID18, ID19, | | | |
| **NAVWARNPart (ID01)** | featureName | nameUsage: (1) default name display  language: eng  name: PRIDE CAPINDA. | | | |
| **warningInformation** | **information:** | Language: eng | | |
| **Text:** EXCLUSION ZONE DUE TO PRESENCE OF UNLIT ANCHOR MARKING BUOYS. | | |
| **NavwarnTypeDetails: drilling site operations** | | | |
| geometry | Point 05-08.58S 011-55.15E | | | |
| restriction | (8) entry restricted | | | |
| NAVWARNAreaAffected (ID11) | geometry | Circle by centerpoint radius 4NM 05-08.58S 011-55.15E | | | |
| NAVWARNPart(ID02) | featureName | nameUsage: (1) default name display  language: eng  name: PRIDE VENEZUELA | | | |
| warningInformation | information | | | Language: eng |
| **Text:** EXCLUSION ZONE DUE TO PRESENCE OF UNLIT ANCHOR MARKING BUOYS. |
| **NavwarnTypeDetails: drilling site operations** | | | |
| Geometry | Point 05-33.08S 011-27.08E | | | |
| restriction | (8) entry restricted | | | |
| NAVWARNAreaAffected (ID12) | geometry | Circle by centerpoint radius 4NM 05-33.08S 011-27.08E | | | |
| NAVWARNPart(ID03) | featureName | nameUsage: (1) default name display  language: eng  name: GSF RIG 140 | | | |
| warningInformation | information | | | Language:eng |
| Text: EXCLUSION ZONE DUE TO PRESENCE OF UNLIT ANCHOR MARKING BUOYS. |
| **NavwarnTypeDetails: drilling site operations** | | | |
| Geometry | Point 06-03.81S 011-05.86E | | | |
| restriction | (8) entry restricted | | | |
| NAVWARNAreaAffected (ID13) | geometry | Circle by centerpoint radius 4NM 06-03.81S 011-05.86E | | | |
| NAVWARNPart(ID04) | featureName | nameUsage: (1) default name display  language: eng  name: KIZOMBA A (NEW). | | | |
| warningInformation | information | | | Language:eng |
| Text: EXCLUSION ZONE DUE TO PRESENCE OF UNLIT ANCHOR MARKING BUOYS. |
| **NavwarnTypeDetails: drilling site operations** | | | |
| Geometry | Point: 06-19.02S 011-03.23E | | | |
| restriction | (8) entry restricted | | | |
| NAVWARNAreaAffected (ID14) | geometry | Circle by centerpoint radius 4NM 06-19.02S 011-03.23E | | | |
| NAVWARNPart(ID05) | featureName | nameUsage: (1) default name display  language: eng  name: PRIDE SOUTH PACIFIC | | | |
| warningInformation | information | | | Language:eng |
| Text: EXCLUSION ZONE DUE TO PRESENCE OF UNLIT ANCHOR MARKING BUOYS. |
| **NavwarnTypeDetails: drilling site operations** | | | |
| Geometry | Point: 06-20.15S 011-18.01E | | | |
| restriction | (8) entry restricted | | | |
| NAVWARNAreaAffected (ID15) | geometry | Circle by centerpoint radius 4NM 06-20.15S 011-18.01E | | | |
| NAVWARNPart(ID06) | featureName | nameUsage: (1) default name display  language: eng  name: KIZOMBA B | | | |
| warningInformation | information | | | Language:eng |
| Text: EXCLUSION ZONE DUE TO PRESENCE OF UNLIT ANCHOR MARKING BUOYS. |
| **NavwarnTypeDetails: drilling site operations** | | | |
| Geometry | Point 06-20.92S 011-09.22E | | | |
| restriction | (8) entry restricted | | | |
| NAVWARNAreaAffected (ID16) | geometry | Circle by centerpoint 4NM radius 06-20.92S 011-09.22E | | | |
| NAVWARNPart(ID06) | featureName | nameUsage: (1) default name display  language: eng  name: PRIDE AFRICA | | | |
| warningInformation | information | | | Language:eng |
| Text: EXCLUSION ZONE DUE TO PRESENCE OF UNLIT ANCHOR MARKING BUOYS. |
| **NavwarnTypeDetails: drilling site operations** | | | |
| Geometry | Point: 07-40.05S 011-45.08E | | | |
| restriction | (8) entry restricted | | | |
| NAVWARNAreaAffected (ID16) | geometry | Circle by centerpoint 4NM radius 07-40.05S 011-45.08E | | | |
| NAVWARNPart(ID07) | featureName | nameUsage: (1) default name display  language: eng  name: PRIDE ANGOLA | | | |
| warningInformation | information | | | Language:eng |
| Text: EXCLUSION ZONE DUE TO PRESENCE OF UNLIT ANCHOR MARKING BUOYS. |
| **NavwarnTypeDetails: drilling site operations** | | | |
| Geometry | Point 07-43.00S 011-43.00E | | | |
| restriction | (8) entry restricted | | | |
| NAVWARNAreaAffected (ID17) | geometry | Circle by centerpoint radius 4NM 07-43.00S 011-43.00E | | | |
| NAVWARNPart(ID08) | featureName | nameUsage: (1) default name display  language: eng  name: PRIDE SOUTH SEAS | | | |
| warningInformation | information | | | Language:eng |
| Text: EXCLUSION ZONE DUE TO PRESENCE OF UNLIT ANCHOR MARKING BUOYS. |
| **NavwarnTypeDetails: drilling site operations** | | | |
| Geometry | Point 35-08.86S 022-31.81E | | | |
| restriction | (8) entry restricted | | | |
| NAVWARNAreaAffected (ID18) | geometry | Circle by centerpoint radius 4NM 35-08.86S 022-31.81E | | | |
| NAVWARNPart(ID09) | featureName | nameUsage: (1) default name display  language: eng  name: ORCA. | | | |
| warningInformation | information | | | Language:eng |
| Text: EXCLUSION ZONE DUE TO PRESENCE OF UNLIT ANCHOR MARKING BUOYS. |
| **NavwarnTypeDetails: drilling site operations** | | | |
| Geometry | Point 35-13.99S 021-29.89E | | | |
| restriction | (8) entry restricted | | | |
| NAVWARNAreaAffected (ID19) | geometry | Circle by centerpoint radius 4NM 35-13.99S 021-29.89E | | | |

### **Discussion Points:**

1. This is a complex message and its neither necessary or correct to have the rig name as a component of the featureName. Using featureName would visualize the rig name anywhere within the zone. **Should the name be included within the warning information.**
2. Should exclusion zones be encoded with restrictions, such as entry prohibited? **Yes**

## Example 3 – Platform Established

|  |  |
| --- | --- |
| **Message element** | **Example 3 – Platform Established** |
| 1. Message series identifier | NAVAREA VI 116/21  URUGUAY.  MONTEVIDEO.  CHART (INT ).  PLATFORM M4/25 ESTABLISHED IN 35-00N 056-20W. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: URUGUAY |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: MONTEVIDEO. |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: ARXX  nationality: AR  **nameOfSeries**: NAVAREA VI  interoperabilityIdentifier: **warningNumber: 116**  **warningType: (4) NAVAREA Navigational Warning**  **year**: 2021 | | |
| publicationTime | 20210201T000001Z | | |
| navwarnTypeGeneral: | Offshore infrastructure | | |
| intService: | Y | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| AreaAffected | Impacts (role) | ID01 | | |
| Affects (role) | ID02 | | |
| **NAVWARNPart (ID01)** | fixedDateRange | dateEnd:  dateStart: 20210201  timeofDayEnd:  timeofdayStart:000001Z | | |
| **warningInformation** | **information:** | Language:eng | |
| **Text:** PLATFORM M4/25 ESTABLISHED | |
| **NavwarnTypeDetails:offshore rigs or platform changes** | | |
| geometry | Point 35-00N 056-20W | | |
| restriction | 8=entry restricted | | |
| NAVWARNAreaAffected (ID02) | geometry | Circle by center point radius 0.5NM 35-00N 056-20W | | |

### **Discussion Points:**

1. There is no NavwarnTypeDetails for establishment of a platform, used offshore rigs or platform changes
2. There is not restricted area given for the platform, assumed an entry restructed area of .5 NM























































# 12 Significant malfunctioning of radio-navigation services and shore-based maritime safety information radio or satellite services

## Example 1 – VHF Services Off Air

|  |  |
| --- | --- |
| **Message element** | **Example 1 – VHF Services Off Air** |
| 1. Message series identifier | NAVAREA I 116/22  gmdss.  mrcc shetland  vhf r/t and dsc services to dunnet head site,  58-40.3n 003-22.6w off air. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text**: GMDSS |
| locality | localityIdentifier |  |
| locationName | language: eng |
| **text:** MRCC Shetland |
| **messageSeriesIdentifier** | nationality: UK  **nameOfSeries**: NAVAREA I  **agencyResponsibleForProduction**: UKHO  interoperabilityidentifier: **warningNumber:** 116  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate |  | |
| **publicationTime** | 20220101T000000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Radio services | |
|  | **intService:** | Y | |
| **NavigationalWarn Part (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | DateEnd:  DateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** VHF R/T and DSC services to Dunet head site, off air.  **NavwarnTypeDetails**: VHF service | |
| geometry | 58-40.3N 003-22.6W | |
| NAVAWARNAreaAffected | Point | |
| restrciction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

### **Discussion Points:**

1. The general area in this case is GMDSS and the MRCC associated with the VHF. Could this be coded as general area and locality.
2. This is a navwarn for an area, but yet we are only giving a point on land, would it be best to use the limits of the RCC. Is the global SAR plan mature enough on a global scale to support this?

## Example 2 – MF Services Off Air

|  |  |
| --- | --- |
| **Message element** | **Example 2 – MF Services Off Air** |
| 1. Message series identifier | NAVAREA I 169/22  GMDSS. MRCC STORNOWAY. MF R/T AND DSC SERVICES FROM BUTT OF LEWIS SITE,  58-27.7N 006-13.9W, OFF AIR. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text**: GMDSS |
| locality | localityIdentifier |  |
| locationName | language: eng |
| **text:** MRCC STORNOWAY |
| **messageSeriesIdentifier** | nationality: UK  **nameOfSeries**: NAVAREA I  **agencyResponsibleForProduction**: UKHO  interoperabilityidentifier: **warningNumber:** 169  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate |  | |
| **publicationTime** | 20220101T000000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Radio services | |
|  | **intService:** | Y | |
| **NavigationalWarningFeaturePart (ID01)**  NWPreambleContent  **NavigationalWarn Part (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | DateEnd:  DateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text: M**F R/T and DSC services from butt of Lewis site, off air.  **NavwarnTypeDetails**: MF service | |
| geometry | 58-27.7N 006-13.9 | |
| NAVAWARNAreaAffected | Point | |
| restrciction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

### **Discussion Points:**

1. See discussion points from Ex 1 in radio services.

## Example 3 – NAVTEX Off Air

|  |  |
| --- | --- |
| **Message element** | **Example 3 – NAVTEX Off Air** |
| 1. Message series identifier | NAVAREA I 53/22  GMDSS  1.NAVTEX STATION CULLERCOATS (G), 55-04N 001-28W,  OFF AIR DAILY BETWEEN 0900 AND 1530 UTC FROM 12 TO 13 JAN 2022.  2. CANCEL THIS MESSAGE 131630 UTC JAN 2022. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text**: GMDSS |
| locality | localityIdentifier |  |
| locationName | language: eng |
| **text:** |
| **messageSeriesIdentifier** | nationality: UK  **nameOfSeries**: NAVAREA I  **agencyResponsibleForProduction**: UKHO  interoperabilityidentifier: **warningNumber: 53**  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate | 20220113T163000Z | |
| **publicationTime** | 20220101T000000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Radio services | |
|  | **intService:** | Y | |
| **NavigationalWarn Part (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | DateEnd: 20220112  DateStart: 20220112  timeofDayEnd: 153000Z  timeofDayStart: 090000Z | |
| fixedDateRange | DateEnd: 20220113  DateStart: 20220113  timeofDayEnd: 1530000Z  timeofDayStart: 090000Z | |
| **warningInformation** | **Text:** NAVTEX STATION CULLERCOATS (G) OFF AIR DAILY BETWEEN 0900 AND 1530 UTC FROM 12 to 13 JAN 2022  **NavwarnTypeDetails**: NAVTEX | |
| geometry | 55-04.00N 001-28.00W | |
| NAVAWARNAreaAffected | Point | |
| restrciction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

## Example 4 – NAVTEX Off Air

|  |  |
| --- | --- |
| **Message element** | **Example 4 – NAVTEX Off Air** |
| 1. Message series identifier | NAVAREA I 018/22  GMDSS.  BALTIC SEA.  1. NAVTEX STATIONS GRIMETON (I), 57-06.3N 012-23.4E, AND GISLOVSHAMMAR (J), 55-29.4N 014-18.9E, OFF AIR. 2. BALTIC SEA NAVIGATION WARNING 007/22 REFERS. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text**: GMDSS |
| locality | localityIdentifier |  |
| locationName | language: eng |
| **text:** BALTIC SEA |
| **messageSeriesIdentifier** | nationality: UK  **nameOfSeries**: NAVAREA I  **agencyResponsibleForProduction**: UKHO  interoperabilityidentifier: **warningNumber:** 18  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate |  | |
| **publicationTime** | 20220101T000000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Radio services | |
|  | **intService:** | Y | |
| **NavigationalWarn Part (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | DateEnd:  DateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** NAVTEX STATIONS GRIMETON (I) AND GISLOVSHAMMER (J) OFF AIR  **NavwarnTypeDetails**: NAVTEX | |
| geometry | 57-06.3N 012-23.4E | |
| NAVAWARNAreaAffected | Point | |
| geometry | 55-29.4N 014-18.9E | |
| NAVAWARNAreaAffected | Point | |
| restrciction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier | nationality: SW  **nameOfSeries**: Sub Area Ib  **agencyResponsibleForProduction**: SW  interoperabilityidentifier: **warningNumber:** 7  **warningType**: (3) sub-areanavigational warning  **year**: 22 | |

### **Discussion Points:**

1. Tried to refer to a subarea warning

## Example 5 – Seasonal Change

|  |  |
| --- | --- |
| **Message element** | **Example 5 – Seasonal Change** |
| 1. Message series identifier | NAVAREA XVIII 135/21  CANADIAN ARCTIC  IQALUIT MCTS  1. REMOTE CONTROL FACILITIES LOCATED AT CORAL HARBOUR OFF AIR FOR THE 2021 NAVIGATIONAL SEASON 161330 UTC NOV 2021.  2. CANCEL NAVAREA XVIII 130/21.  3. CANCEL THIS MSG AT 292330 UTC NOV 2021 |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text**: CANADIAN ARTIC |
| locality | localityIdentifier |  |
| locationName | language: eng |
| **text:** IQALUIT MCTS |
| **messageSeriesIdentifier** | nationality: CA  **nameOfSeries**: NAVAREA XVIII  **agencyResponsibleForProduction**: CA  interoperabilityidentifier: **warningNumber:** 135  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate | 20211129T233000Z | |
| **publicationTime** | 20211121T000000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Aids to navigation change | |
|  | **intService:** | Y | |
| **NavigationalWarn Part (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | DateEnd:  DateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** REMOTE CONTROL FACILITIES LOCATED AT CORAL HARBOUR OFF AIR FOR THE 2021 NAVIGATIONAL SEASON AT 161330 UTC NOV 2021  **NavwarnTypeDetails**: Seasonal decommissioning complete | |
| geometry |  | |
| NAVAWARNAreaAffected | Point | |
| restrciction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier | nationality: CA  **nameOfSeries**: Sub Area Ib  **agencyResponsibleForProduction**: CA  interoperabilityidentifier: **warningNumber:** 130  **warningType**: (4) sub-areanavigational warning  **year**: 21 | |

### **Discussion Points:**

1. Needs a position for Coral Harbour, is it possible to have a feature reference which refers to the GMDSS master plan?

## Example 6 – GMDSS Services

|  |  |
| --- | --- |
| **Message element** | **Example 6 – GMDSS Services** |
| 1. Message series identifier | NAVAREA XVIII 102/21  CANADIAN ARCTIC  GMDSS  IQALUIT MCTS  ALL GMDSS DSC, NBDP, AND RT TRANSMIT FACILITIES  LOCATED AT IQALUIT 63-45N 068-31W OFF AIR 212300 UTC SEP 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text**: CANADIAN ARTIC |
| locality | localityIdentifier |  |
| locationName | language: eng |
| **text:** IQALUIT MCTS |
| **messageSeriesIdentifier** | nationality: CA  **nameOfSeries**: NAVAREA XVIII  **agencyResponsibleForProduction**: CA  interoperabilityidentifier: **warningNumber:** 102  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate |  | |
| **publicationTime** | 20210921T000000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | communication or broadcast service change | |
|  | **intService:** | Y | |
| **NavigationalWarn Part (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | DateEnd:  DateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** All GMDSS DSC, NBDP, AND RT TRANSMIT FACILITIES LOCATED AT IQALUIT OFF AIR AT 212300 UTC SEP 2021.  **NavwarnTypeDetails**: | |
| geometry | 63-45N 068-31W | |
| NAVAWARNAreaAffected | Point | |
| restrciction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

### **Discussion Points:**

1. Radio Services, general with no type details

## Example 7 – GPS Disruption

|  |  |
| --- | --- |
| **Message element** | **Example 6 – GMDSS Services** |
| 1. Message series identifier | NAVAREA X 151/21   1. POSSIBLE GPS DISRUPTION DUE TO MILITARY EXERCISES:    1. FROM 191400 UTC JUL 2021 TO 271400 UTC JUL 2021   IN AREA WITHIN 15 NM OF 20-00.4S 148-15.9E.   * 1. FROM 261400 UTC JUL 2021 TO 311400 UTC JUL 2021   IN AREA WITHIN 15NM OF 18-43.2S 146-17.8E.   1. REPORT SAFETY CONCERNS TO JRCC AUSTRALIA:   PHONE: +61262306811                EMAIL: [RCCAUS@AMSA.GOV.AU](mailto:RCCAUS@AMSA.GOV.AU)   1. CANCEL THIS MSG 311500 UTC JUL 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text**: |
| locality | localityIdentifier |  |
| locationName | language: eng |
| **text:** |
| **messageSeriesIdentifier** | nationality: AU  **nameOfSeries**: NAVAREA X  **agencyResponsibleForProduction**: AU  interoperabilityidentifier: **warningNumber: 151**  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate | 20210731T150000Z | |
| **publicationTime** | 20210721T000000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Aids to navigation change | |
|  | **intService:** | Y | |
| **NavigationalWarn Part (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01, ID02 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | DateEnd: 20210727  DateStart: 20210719  timeofDayEnd: 140000Z  timeofDayStart: 140000Z | |
| **warningInformation** | **Text:** POSSIBLE GPS DISRUPTION DUE TO MILITARY EXERCISES. 2. REPORT SAFETY CONCERS TO JRCC AUSTRALIA: PHONE +61262306811 EMAIL: RCCAUS@AMSA.GOV.AU  **NavwarnTypeDetails**: | |
| geometry | 20-00.4S 148-15.9E | |
| NAVAWARNAreaAffected | Polygon limited by a curve boundary of type  S100\_CircleByCenterPoint  20-00.4S 148-15.9E (center point)  interpolation=circularArcCenterPointWithRadius  radius=15NM | |
| restrciction |  | |
| **NavigationalWarn Part (ID02)** | header (role) | ID00 | |
| theWarningPart (role) | ID01, ID 02 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | DateEnd: 20210731  DateStart: 20210726  timeofDayEnd: 140000Z  timeofDayStart: 140000Z | |
| **warningInformation** | **Text:** POSSIBLE GPS DISRUPTION DUE TO MILITARY EXERCISES. 2. REPORT SAFETY CONCERS TO JRCC AUSTRALIA: PHONE +61262306811 EMAIL: RCCAUS@AMSA.GOV.AU  **NavwarnTypeDetails**: | |
| geometry | 18-43.2S 146-17.8E | |
| NAVAWARNAreaAffected | Polygon limited by a curve boundary of type  S100\_CircleByCenterPoint  18-43.2S 146-17.8E (center point)  interpolation=circularArcCenterPointWithRadius  radius=15NM | |
| restrciction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

### **Discussion Points:**

# 13 Information concerning events which might affect the safety of shipping, sometimes over wide areas, e.g. naval exercises, missile firings, space missions, nuclear tests, ordnance dumping zones, etc.

## Example 1 – Firing Operations

|  |  |
| --- | --- |
| **Message element** | **Example 1 – Firing Operations** |
| 1. Message series identifier | NAVAREA XVI 221/21  EASTERN SOUTH PACIFIC.  PERU.  CHART \_\_\_\_ (INT \_\_\_\_).  1. NAVAL FIRING EXERCISES 161400 UTC to 170000 UTC jan 2021 IN AREA BOUND BY  11-35.00S 077-43.00W,11-35.00S 077-33.00W, 11-47.00S 077-33.00W,11-47.00s 077-43.00W.  2.CANCEL THIS MESSAGE 181700 UTC JAN 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: EASTERN SOUTH PACIFIC |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: PERU |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: PEXX  nationality: PE  **nameOfSeries**: NAVAREA XVI  interoperabilityidentifier: **warningNumber: 221**  **warningType (4) NAVAREA navigational warnings**  **year**: 2021 | | |
| cancellationDate | 20210118T170000Z | | |
| publicationTime | 20210115T000001Z | | |
| navwarnTypeGeneral: | Special operations | | |
| intService: | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| NAVAWARNPart (ID01) | fixedDateRange | dateEnd:20210117  dateStart:2021011  timeofDayEnd: 170000Z  timeofdayStart:140000Z | | |
| **warningInformation** | **information:** | Language: | |
| **Text:** | |
| **NavwarnTypeDetails: firing exercise** | | |
| geometry | Polygon (surface) 11-35.00S 077-43.00W,11-35.00S 077-33.00W, 11-47.00S 077-33.00W,11-47.00s 077-43.00W. | | |
| restriction | 14 = area to be avoided | | |

### **Discussion Points:**

* Used the restriction of area to be avoided (though this could be used for more or less all areas)
* No area affected since the geometry is the whole area

## Example 2 – Blasting Operation

|  |  |
| --- | --- |
| **Message element** | **Example 2 – Blasting Operation** |
| 1. Message series identifier | NAVAREA VIII 864/21  INDIA WEST COAST.  OFF ALAPPUZHA.  1.SUBSURFACE EXPLOSIVE OPERATIONS SCHEDULED 0330 TO 0630 UTC DAILY ON 17 AND 21 DEC 2021 IN AREA WITHIN FIVE MILES OF 09-19.58N 075-46.8E.  2.CANCEL THIS MSG 210730 UTC DEC 21. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: INDIA WEST COAST |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: OFF ALAPPUZHA |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: INXX  nationality: IN  **nameOfSeries**: NAVAREA VIII  interoperabilityidentifier: **warningNumber: 864**  **warningType (4) NAVAREA navigational warnings**  **year**: 2021 | | |
| cancellationDate | 20211221T073000Z | | |
| publicationTime | 20211171T073000Z | | |
| navwarnTypeGeneral: | Special operations | | |
| intService: | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| NAVAWARNPart (ID01) | fixedDateRange | dateEnd:20211217  dateStart: 20211217  timeofDayEnd: 063000Z  timeofDayStart:033000Z | | |
| fixedDateRange | dateEnd:20211221  dateStart:20211221  timeofDayEnd: 063000Z  timeofDayStart:033000Z | | |
| **warningInformation** | **information:** | Language: | |
| **Text:** | |
| **NavwarnTypeDetails: blasting operation** | | |
| geometry | Polygon (Circle by centerpoint) Radius 5NM centerpoint 09-19.58N 075-46.8 E | | |
| restriction | 14 = area to be avoided | | |

### **Discussion Points:**

* Used the restriction of area to be avoided (though this could be used for more or less all areas)
* No area affected since the geometry is the whole area

## Example 3 – Fallout Hazard (Space Debris)

|  |  |
| --- | --- |
| **Message element** | **Example 3** |
| 1. Message series identifier | NAVAREA XIV 218/21.  SOUTHwest PACIFIC basin.  1. HAZARDOUS OPERATIONS, SPACE DEBRIS scheduled FROM 062240 UTC TO 200925 UTC DEC 2021 IN AREAs BOUND BY:  a. 41-06.00s 176-18.00w, 39-54.00s 175-42.00w,  40-36.00s 171-06.00w, 41-54.00s 171-18.00w.  b. 42-36.00s 163-06.00w, 41-36.00s 163-12.00w,  41-42.00s 158-00.00w, 42-36.00s 157-48.00w.  2. CANCEL THIS MSG 201025 UTC dec 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: SOUTHWEST PACIFIC BASIN |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: NZXX  nationality: NZ  **nameOfSeries**: NAVAREA XIV  interoperabilityidentifier: **warningNumber: 218**  **warningType (4) NAVAREA navigational warnings**  **year**: 2021 | | |
| cancellationDate | 20211220T102500Z | | |
| publicationTime | 20211201T224000Z | | |
| navwarnTypeGeneral: | Other hazards | | |
| intService: | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| NAVAWARNPart (ID01) | fixedDateRange | dateEnd:20211220  dateStart: 20211206  timeofDayEnd: 092500Z  timeofDayStart:224000Z | | |
| **warningInformation** | **information:** | Language: | |
| **Text:** | |
| **NavwarnTypeDetails: fallout hazard** | | |
| geometry | Polygon (Surface) 41-06.00s 176-18.00w, 39-54.00s 175-42.00w,40-36.00s 171-06.00w, 41-54.00s 171-18.00w. | | |
| geometry | Polygon (Surface) 42-36.00s 163-06.00w, 41-36.00s 163-12.00w,41-42.00s 158-00.00w, 42-36.00s 157-48.00w. | | |
| restriction | 14 = area to be avoided | | |

### **Discussion Points:**

* Minimized fields to match S-53, thus no locality

## Example 4 – Military Exercise

|  |  |
| --- | --- |
| **Message element** | **Example 4** |
| 1. Message series identifier | NAVAREA VIII 857/21.  ARABIAN SEA.  OFF BALASORE.  1. iNDIAN AIR FORCE EXERCISE 0430 TO 0630 UTC AND 0830 TO 1030 20 THRU 22 DEC 2021 IN AREA BOUND BY  21-41.00N 087-44.00E, 20-57.00N 086-53.00E  20-56.00N 086-55.00E.  2. CANCEL THIS MSG 221130 UTC DEC 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  |
| **locationName** | | language: eng |
| **Text**:ARABIAN SEA |
| locality | localityIdentifier | |  |
| **locationName** | | language: eng |
| **text**: OFF BALASORE |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**: INXX  nationality: IN  **nameOfSeries**: NAVAREA VIII  interoperabilityidentifier: **warningNumber: 857**  **warningType (4) NAVAREA navigational warnings**  **year**: 2021 | | |
| cancellationDate | 20211222T113000Z | | |
| publicationTime | 20212115T043000Z | | |
| navwarnTypeGeneral: | Special operations | | |
| intService: | True | | |
| NAVWARNPreambleContent | header (role) | ID00 | | |
| theWarningPart (role) | ID01 | | |
| NAVAWARNPart (ID01) | fixedDateRange | dateEnd:20211220  dateStart: 20211220  timeofDayEnd: 092500Z  timeofDayStart:224000Z | | |
|  |  | | |
|  |  | | |
|  |  | | |
| **warningInformation** | **information:** | Language: | |
| **Text:** | |
| **NavwarnTypeDetails: fallout hazard** | | |
| geometry | Polygon (Surface) 41-06.00s 176-18.00w, 39-54.00s 175-42.00w,40-36.00s 171-06.00w, 41-54.00s 171-18.00w. | | |
| geometry | Polygon (Surface) 42-36.00s 163-06.00w, 41-36.00s 163-12.00w,41-42.00s 158-00.00w, 42-36.00s 157-48.00w. | | |
| restriction | 14 = area to be avoided | | |



## Example 5 – Fallout Hazard (Rocket Launch)

|  |  |
| --- | --- |
| **Message element** | **Example 5 – Fallout Hazard (Rocket Launch)** |
| 1. Message series identifier | NAVAREA iv 1092/21  western north atlantic.  flordia.  1. ROCKET LAUNCHING 090600 utc to 090753 utc dec 2021, alternate 0600 utc to 0753 utc daily 10 thru 14 dec 2021 in area bound by  28-39.03n 080–37.70w, 28-41.00n 080-20.00w, 28-38.00n 079-42.00w, 28-35.00n 079-43.00w,  28-33.00n 080-17.00w, 28-34.78n 080-34.08w.  2. CANCEL THIS MESSAGE 140853 UTC dec 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text**: WESTERN NORTH ATLANTIC |
| locality | localityIdentifier |  |
| locationName | language: eng |
| **text:** FLORDIA |
| **messageSeriesIdentifier** | nationality: US  **nameOfSeries**: NAVAREA IV  **agencyResponsibleForProduction**: US  interoperabilityidentifier: **warningNumber:** 1029  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate | 202112214t085300z | |
| **publicationTime** | 20211210T000000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Hazard, other | |
|  | **intService:** | Y | |
| **NavigationalWarn Part (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01, ID02 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | DateEnd: 20211209  DateStart: 20211209  timeofDayEnd: 060000Z  timeofDayStart: 075300Z | |
| fixedDateRange | DateEnd: 20211210  DateStart: 20211210  timeofDayEnd: 060000Z  timeofDayStart: 075300Z | |
| fixedDateRange | DateEnd: 20211211  DateStart: 20211211  timeofDayEnd: 060000Z  timeofDayStart: 075300Z | |
| fixedDateRange | DateEnd: 20211212  DateStart: 20211212  timeofDayEnd: 060000Z  timeofDayStart: 075300Z | |
| fixedDateRange | DateEnd: 20211213  DateStart: 20211213  timeofDayEnd: 060000Z  timeofDayStart: 075300Z | |
| fixedDateRange | DateEnd: 20211214  DateStart: 20211214  timeofDayEnd: 060000Z  timeofDayStart: 075300Z | |
| **warningInformation** | **Text:** ROCKET LAUNCHING 090600 UTC TO 090753 UTC DEC 2021, ALTERNATE 0600 UTC TO 0753 UTC DAILY 10 THRU 14 DEC 2021  **NavwarnTypeDetails**: military exercises | |
| geometry | 28-39.03N 080-37.70W  28-41.00N 080-20.00W  28-38.00N 079-42.00W  28-35.00N 079-43.00W  28-33.00N 080-17.00W  28-34.78N 080-34.08W | |
| NAVAWARNAreaAffected | polygon | |
| restrciction |  | |
| restrciction |  | |

# 14. Operating anomalies identified within ECDIS including ENC issues

## Example 1 – ECDIS Anomalies

|  |  |
| --- | --- |
| **Message element** | **Example 1 – ECDIS Anomalies** |
| 1. Message series identifier | NAVAREA XVII 82/22  DISPLAY ANOMALIES IN SOME ECDIS.  SOME ELECTRONIC CHART DISPLAY AND INFORMATION SYSTEMS (ECDIS) MAY EXHIBIT OPERATING ANOMALIES.  THE INTERNATIONAL MARITIME ORGANIZATION'S CIRCULAR MSC.1/circ.1503/rev1 ([HTTP://WWW.IMO.ORG/OURWORK/CIRCULARS/PAGES/IMODOCS.ASPX](http://www.imo.org/OURWORK/CIRCULARS/PAGES/IMODOCS.ASPX) (REGISTRATION REQUIRED)) LISTS IDENTIFIED ANOMALIES, THEIR CHARACTERISTICS AND REMEDIAL ADVICE.  MARINERS ARE REMINDED THAT THEY SHOULD ACCESS THE INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) DATA PRESENTATION AND PERFORMANCE CHECK (DPPC) DATASET (<http://www.iho.int/srv1/index.php?option=com)>) AND ENSURE THAT ALL INSTALLED ECDIS UNITS ARE CHECKED. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text**: |
| locality | localityIdentifier |  |
| locationName | language: eng |
| **text:** |
| **messageSeriesIdentifier** | nationality: CA  **nameOfSeries**: NAVAREA XVII  **agencyResponsibleForProduction**: CA  interoperabilityidentifier: **warningNumber:** 82  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate |  | |
| **publicationTime** | 20220101T000000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | ECDIS operating anomalies including official data issues | |
|  | **intService:** | Y | |
| **NavigationalWarn Part (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | DateEnd:  DateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** SOME ELECTRONIC CHART DISPLAY INFORMATION SYSTEMS (ECDIS) MAY EXHIBIT OPERATING ANOMALIES. THE INTERNATIONAL MARITIME ORGANIZATION”S CIRCULAR MSC.1/circ.1503/rev1.  (<HTTP://WWW.IMO/ORG/OURWORK/CIRCULARS/PAGES/IMODOCS.ASPX>.) (REGISTRATION REQUIRED)) LISTS IDENTIFIED ANOMALIES, THEIR CHARACTERISTICS AND REMEDIAL ADVICE. MARINERS ARE REMIDED THAT THEY SHOULD ACCESS THE INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) DATA PRESENTATION AND PERORMANCE CHECK (DPPC) DATASET  (<HTTP://WWW.IHO.INT/SRVL/INDES.PHP?OPTION=COM>) AND ENSURE THAT ALL INSTALLED ECDIS UNITS ARE CHECKED.  **NavwarnTypeDetails**: NAVTEX | |
| geometry |  | |
| NAVAWARNAreaAffected | Point | |
| restrciction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

### **Discussion Points:**

1. In the current warningHazardType list, this type is captured from S-53, but it’s rather lengthy. Suggest we amend it to “ECDIS Anomoalies”? ;
2. This NW is global in scope, do we have appropriate geometry available? Should NACs use a polygon of their NAVAREA(s) to ensure appropriate on ECDIS?

## Example 2 – ENC Anomaly

|  |  |
| --- | --- |
| **Message element** | **Example 2 – ENC Anomaly** |
| 1. Message series identifier | NAVAREA XVIII 94/22  CANADIAN ARCTIC  SIMPSON STRAIT  ETA ISLAND  CHART CHS 7736 / ENC CA473317THE CHARTED ORIENTATION OF THE RANGE LINE FOR SIMPSON STRAIT #6 RANGE (WEST-FACING RANGE MARKS ON ETA ISLAND) IS IN ERROR. THE CORRECT VISUAL RANGE LINE PASSES 94 METRES SOUTH OF THE ADVERTISED POSITION OF SIMPSON STRAIT BUOY #11 ON HEADINGS 289/109 DEGREES TRUE. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: CANADIAN ARTIC |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
|  | **text**: SIMPSON ISLAND |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
|  | **text**: ETA ISLAND |
| **messageSeriesIdentifier** | nationality: CA  **nameOfSeries**: NAVAREA XVIII  **agencyResponsibleForProduction**: Canadian CG  interoperabilityidentifier: **warningNumber**: 94  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected: CHS 7736  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate |  | |
| **publicationTime** | 20211101T000100Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | ECDIS operating anomalies including official data issues | |
|  | **intService:** | Y | |
| **NAVWARNPart (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** CHS CHART 7736/ENC CA473317  THE CHARTED ORIENTATION OF THE RANGE LINE FOR SIMSON STRAIT #6 RANGE (WEST-FACING RANGE MARKS ON ETA ISLAND) IS IN ERROR. THE CORRECT VISUAL RANGE LINE PASSES 94 METRES SOUTH OF THE ADVERTISED POSITION OF SIMPSON STRAIT BUOY #11 ON HEADINGS 289/109 DEGREES TRUE.  **NavwarnTypeDetails:** | |
| geometry |  | |
| NAVAWARNAreaAffected | POINT | |
| restriction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

### **Discussion Points:**

1. The geometry for this issue COULD reflect the bounding box of the ENC with the anomaly. It also could be just the feature if the feature (in this case a range line) had a URL.
2. Suggest the warningHazardTypeDetail be unique, as in, “ENC Issues/anomoly”?

## Example 3 – ENC Anomaly

|  |  |
| --- | --- |
| **Message element** | **Example 2 – ENC Not Safe for Navigation** |
| 1. Message series identifier | NAVAREA II 199/22  IROISE  DUE TO A PRODUCTION PROBLEM THAT HAS CAUSED  DISPLACED FEATURES, IT HAS BEEN DETERMINED THAT  ELECTRONIC NAUTICAL CHART 7066 FR (1800 INT)  IS NOT TO BE USED FOR NAVIGATION OR SITUATIONAL  AWARENESS.  A REVIEW IS IN PROGRESS TO ADDRESS THIS SITUATION. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: IROISE |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
|  | **text**: |
| **messageSeriesIdentifier** | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**: SHOM  interoperabilityidentifier: **warningNumber**: 199  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected:  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate |  | |
| **publicationTime** | 20211101T000100Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | ECDIS operating anomalies including official data issues | |
|  | **intService:** | Y | |
| **NAVWARNPart (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: editionNumber:1  ENCName:FR7066 Featureobjectidentifier:  updateNumber:4 | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** DUE TO A PRODUCTION PROBLEM THAT HAS CAUSED  DISPLACED FEATURES, IT HAS BEEN DETERMINED THAT  ELECTRONIC NAUTICAL CHART 7066 FR (1800 INT)  IS NOT TO BE USED FOR NAVIGATION OR SITUATIONAL  AWARENESS.  A REVIEW IS IN PROGRESS TO ADDRESS THIS SITUATION.  **NavwarnTypeDetails:** | |
| geometry |  | |
| NAVAWARNAreaAffected |  | |
| restriction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

### **Discussion Points:**

1. Attempt at using ENCfeatureReference
2. Very challenging to portray, it would need to be the bounding box for the ENC limits.

# 15. Acts of piracy and armed conflict against ships

## Example 1- Armed Robbery

|  |  |
| --- | --- |
| **Message element** | **Example 1 – Armed Robbery** |
| 1. Message series identifier | NAVAREA XVI 306/22  peru.  callao ANCHORAGE.  armed robbery.  1. m/v at anchor boarded by seven ARMED ROBBERs  IN 12-01.05s 077-11.37w AT 280710 utc jan 2022.  robbers attacked crew, stole ship property  and escaped. VESSELS ARE ADVISED TO KEEP CLEAR  OF THIS POSITION AND TO EXERCISE EXTREME CAUTION.     REPORTS TO IMB PIRACY REPORTING CENTER,     PHONE: 603 2031 0014, 603 2078 5763,     FAX: 603 2078 5769,     E-MAIL: IMBKL@ICC-CCS.ORG, PIRACY@ICC-CCS.ORG.  2. CANCEL THIS MSG 040710 utc FEB 2022. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: PERU |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
|  | **text**: CALLAO ANCHORAGE |
| **messageSeriesIdentifier** | nationality: PE  **nameOfSeries**: NAVAREA XVI  **agencyResponsibleForProduction**: PE  interoperabilityidentifier: **warningNumber**: 306  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected:  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate | 20220204T071000Z | |
| **publicationTime** | 20220129T000100Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Piracy or robbery | |
|  | **intService:** | Y | |
| **NAVWARNPart (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** M/V AT ANCHOR BOARED BY SEVEN ARMED ROBBERS AT 280710 UTC JAN 2022. ROBBERS ATTACHED CREW STOLE SHIP PROERTY AND ESCAPED. VESSELS ARE ADVISED TO KEEP CLEAR OF THIS POSITION AND TO EXERCISE EXTERMED CAUTION. REPORT TO IMB PIRACY REPORTING CENTER. PHONE: 603 2031 0014, 603 2078 5763, FAX: 603 2078 5769, EMAIL: [IMBKL@ICC-CCS.ORG](mailto:IMBKL@ICC-CCS.ORG), PIRACY@ICC-CCS.ORG  **NavwarnTypeDetails:** | |
| geometry | 12-01.05S 077-11.37W | |
| NAVAWARNAreaAffected | POINT | |
| restriction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

### **Discussion Points:**

1. Would it be useful to have multiple type details for armed robber, piracy, kidnapping etc.?

## Example 2 - Piracy

|  |  |
| --- | --- |
| **Message element** | **Example 2 - Piracy** |
| 1. Message series identifier | NAVAREA II 223/21  GULF OF GUINEA.  NIGERIA.  Act of PIRACY.  1. M/V ATTACKED IN 02-49N 002-31E AT 061700 UTC JUN  2021.     VESSELS ARE ADVISED TO KEEP CLEAR OF THIS     POSITION AND TO EXERCISE EXTREME CAUTION.     REPORT TO MDAT-GOG,     PHONE: +33 2 98 22 88 88     E-MAIL: WATCHKEEPERS@MDAT-GOG.ORG  2. CANCEL THIS MSG 091930 UTC JUN 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: GULF OF GUINEA |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
|  | **text**: NIGERIA |
| **messageSeriesIdentifier** | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**: SHOM  interoperabilityidentifier: **warningNumber**: 223  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |
| affectedChartPublications | chartAffected:  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate | 20210609T193000Z | |
| **publicationTime** | 20210606T180000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Piracy | |
|  | **intService:** | Y | |
| **NAVWARNPart (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** M/V ATTACKED AT 061700 UTC JUN 2021. VESSELS ARE ADVISED TO KEEP CLEAR OF THIS POSITION AND EXERCISE EXTREME CAUTION. REPORT TO MDAT-GOG, PHONE: + 33 2 98 22 88 88, EMAIL: WATCHKEEPERS@MDAT-GOG.ORG  **NavwarnTypeDetails:** | |
| geometry | 02-49N 002-31E | |
| NAVAWARNAreaAffected | POINT | |
| restriction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

## Example 3 – Piracy (Kidnapping)

|  |  |
| --- | --- |
| **Message element** | **Example 3 – Piracy (Kidnapping)** |
| 1. Message series identifier | NAVAREA ii 2031/20  gulf of guinea.  nigeria.  OFF BAYELSA.  act of piracy.  1. m/v attacked by pirates in 04-28.15N 005-31.17E  at 261258 utc nov 2020. ten persons kidnapped.  VESSELS ARE ADVISED TO KEEP CLEAR OF THIS  POSITION AND TO EXERCISE EXTREME CAUTION.  REPORTS TO IMB PIRACY REPORTING CENTER,  PHONE: 603 2031 0014, 603 2078 5763,  FAX: 603 2078 5769,  E-MAIL: IMBKL@ICC-CCS.ORG, PIRACY@ICC-CCS.ORG.  2. CANCEL THIS MSG 291200 utc nov 2020. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: GULF OF GUINEA |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
|  | **text**: NIGERIA |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
|  | **text**: OFF BAYELSA |
| **messageSeriesIdentifier** | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**: SHOM  interoperabilityidentifier: **warningNumber**: 2031  **warningType**: (4) NAVAREA navigational warning  **year**: 20 | |
| affectedChartPublications | chartAffected:  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate | 20201129T120000Z | |
| **publicationTime** | 20201126T140000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Piracy | |
|  | **intService:** | Y | |
| **NAVWARNPart (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** M/V ATTACKED BY PIRATES AT 261258 UTC NOV 2022. TEN PERSON KIDNAPPED. VESSELS ARE ADVISED TO KEEP CLEAR OF THIS POSITION AND EXERCISE EXTREME CAUTION. REPORT TO IMB PIRACY REPORTING CENTER. PHONE: 603 2031 0014, 603 2078 5763, FAX: 603 2078 5769, EMAIL: [IMBKL@ICC-CCS.ORG](mailto:IMBKL@ICC-CCS.ORG), PIRACY@ICC-CCS.ORG  **NavwarnTypeDetails:** | |
| geometry | 04-28.15N 005-31.17E | |
| NAVAWARNAreaAffected | POINT | |
| restriction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

## Example 4 – Piracy (Hijacking)

|  |  |
| --- | --- |
| **Message element** | **Example 4 – Piracy (Hijacking)** |
| 1. Message series identifier | NAVAREA IX 3048/19  RED SEA.  ERITREA.  act of piracy.  1. M/V HIJACKED by six armed pirates  IN 16-30N 040-08E AT 170338 utc SEP 2019.  VESSELS ARE ADVISED TO KEEP CLEAR OF THIS  POSITION AND TO EXERCISE EXTREME CAUTION.  REPORTS TO IMB PIRACY REPORTING CENTER,  PHONE: 603 2031 0014, 603 2078 5763,  FAX: 603 2078 5769,  E-MAIL: IMBKL@ICC-CCS.ORG, PIRACY@ICC-CCS.ORG.  2. CANCEL THIS MSG 200237 utc SEP 2019. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text:** RED SEA |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
|  | **text**: ERITREA |
| **messageSeriesIdentifier** | nationality: PK  **nameOfSeries**: NAVAREA IX  **agencyResponsibleForProduction**: PK  interoperabilityidentifier: **warningNumber**: 2031  **warningType**: (4) NAVAREA navigational warning  **year**: 20 | |
| affectedChartPublications | chartAffected:  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate | 20190920T023700Z | |
| **publicationTime** | 20190917T040000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Piracy | |
|  | **intService:** | Y | |
| **NAVWARNPart (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** M/V HIJACKED BY SIX ARMED PIRATES AT 170338 UTC SEP 2019. VESSELS ARE ADVISED TO KEEP CLEAR OF THIS POSITION AND EXERCISE EXTREME CAUTION. REPORT TO IMB PIRACY REPORTING CENTER. PHONE: 603 2031 0014, 603 2078 5763, FAX: 603 2078 5769, EMAIL: [IMBKL@ICC-CCS.ORG](mailto:IMBKL@ICC-CCS.ORG), PIRACY@ICC-CCS.ORG  **NavwarnTypeDetails:** | |
| geometry | 16-30N 040-08E | |
| NAVAWARNAreaAffected | POINT | |
| restriction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

## Example 5 – Piracy (Mothership Activity)

|  |  |
| --- | --- |
| **Message element** | **Example 5** |
| 1. Message series identifier | NAVAREA iI 250/21.  GULF OF GUINEA.  OFF GHANA.  ACT OF PIRACY.  1.SUSPECTED MOTHERSHIP ACTIVITY IN VICINITY 01-50N 001-11E AT 190930 UTC OCT 2021. 24 METER TUG,  WHITE HULL AND BLACK SUPERSTRUCTURE, UNNAMED  AND NOT TRANSMITTING AIS. VESSELS ARE ADVISED  TO KEEP CLEAR OF THIS POSITION AND TO EXERCISE  EXTREME CAUTION.  REPORTS TO IMB PIRACY REPORTING CENTER,  PHONE: 603 2031 0014, 603 2078 5763,  FAX: 603 2078 5769,  E-MAIL: IMBKL@ICC-CCS.ORG, [PIRACY@ICC-CCS.ORG](mailto:PIRACY@ICC-CCS.ORG).  2.CANCEL THIS MSG 220930 UTC OCT 2021. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text:** GULF OF GUINEA |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
|  | **text**: OFF GHANA |
| **messageSeriesIdentifier** | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**: FR  interoperabilityidentifier: **warningNumber**: 250  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |
| affectedChartPublications | chartAffected:  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate | 20211022T093000Z | |
| **publicationTime** | 20211019T100000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Piracy | |
|  | **intService:** | Y | |
| **NAVWARNPart (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** SUSPECTED MOTHER SHIP ACTIVITY AT 190930 UTC OCT 2021. 24 METRE TUG, WHITE HULL AND BLACK SUPERSTRUCTURE, UNNAMED AND NOT TRANSMITTING AIS. VESSELS ARE ADVISED TO KEEP CLEAR OF THIS POSITION AND EXERCISE EXTREME CAUTION. REPORT TO IMB PIRACY REPORTING CENTER. PHONE: 603 2031 0014, 603 2078 5763, FAX: 603 2078 5769, EMAIL: [IMBKL@ICC-CCS.ORG](mailto:IMBKL@ICC-CCS.ORG), PIRACY@ICC-CCS.ORG  **NavwarnTypeDetails:** | |
| geometry | 01-50N 001-11E | |
| NAVAWARNAreaAffected | POINT | |
| restriction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

# 16. Tsunamis and other natural phenomena, such as abnormal changes to sea level

## Example 1 – Tsunami (General)

|  |  |
| --- | --- |
| **Message element** | **Example 1 -Tsunami (General)** |
| 1. Message series identifier | NAVAREA XI 0251/21  PACIFIC OCEAN.  PHILLIPINES.  TSUNAMI WARNING.  EARTHQUAKE, MAGNITUDE 7.2, OCCURRED  AT 111746 UTC AUG 2021 IN 06-30N 126-48E.  TSUNAMI WAVES ARE POSSIBLE WHICH COULD CAUSE  DAMAGE TO THE COASTS AND ISLANDS OF THE PHILLIPINES.  VESSELS IN VICINITY OF COASTAL AREAS  ARE ADVISED TO USE CAUTION. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text:** PACIFIC OCEAN |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
|  | **text**: PHILLIPINES |
| **messageSeriesIdentifier** | nationality: JP  **nameOfSeries**: NAVAREA XI  **agencyResponsibleForProduction**: JP  interoperabilityidentifier: **warningNumber**: 251  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |
| affectedChartPublications | chartAffected:  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate |  | |
| **publicationTime** | 20211019T100000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Natural phenomena | |
|  | **intService:** | Y | |
| **NAVWARNPart (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** TSUNAMI WARNINGS. EARTHQUAKE, MAGNITUDE 7.2, OCCURRED AT 111746 UTC AUG 2021. TSUNAMI WAVES ARE POSSIBLE WHICH COULD CAUSE DAMAGE TO THE COASTS AND ISTLANDS OF THE PHILLIPINES. VESSSELS IN VICINITY OF COASTAL AREAS ARE ADVISED TO USE CAUTION  **NavwarnTypeDetails:** tsunami warning | |
| geometry | 06-30N 126-48E | |
| NAVAWARNAreaAffected | POINT | |
| restriction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

### **Discussion Points:**

1. The geometry is the reported location of the earthquake/volcano? Do we need to expand this geometry to capture the danger zone of potential tsunami? If so how?

## Example 2 – Tsunami (General)

|  |  |
| --- | --- |
| **Message element** | **Example 2 -Tsunami (Earthquake)** |
| 1. Message series identifier | NAVAREA XII 365/21  aLASKA COASTAL AREAS.  TSUNAMI WARNING.  EARTHQUAKE WITH MAGNITUDE OF 8.2 HAS OCCURRED  IN VICINITY 55-18N 157-48W AT 290616Z JUL 2021.  A TSUNAMI HAS BEEN GENERATED WHICH COULD CAUSE  DAMAGE TO COASTS OF SOUTH ALASKA, THE ALASKA  PENINSULA AND THE ALEUTIAN ISLANDS.  TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND MAY BE A SERIES OF WAVES WHICH COULD BE DANGEROUS FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text:** ALASKA COASTAL AREA |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
|  | **text**: |
| **messageSeriesIdentifier** | nationality: US  **nameOfSeries**: NAVAREA XII  **agencyResponsibleForProduction**: US  interoperabilityidentifier: **warningNumber**: 365  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |
| affectedChartPublications | chartAffected:  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate |  | |
| **publicationTime** | 20211019T100000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Natural phenomena | |
|  | **intService:** | Y | |
| **NAVWARNPart (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** EARTHQUAKE WITH MAGNITUDE OF 8.2 HAS OCCURRED AT 290616Z JUL 2021. A TSUNAMI HAS BEEN GENERATED WHICH COULD CAUSE DAMGE TO COASTS OF SOUTH ALASKA, THE ALASKA PENINSULA AND THE ALEUTIAN ISLANDS. TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND MAY BE A SERIES OF WAVES WHICH COULD BE DANGEROUS FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVIAL.  **NavwarnTypeDetails:** tsunami warning | |
| geometry | 55-18N 157-48W | |
| NAVAWARNAreaAffected | POINT | |
| restriction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

## Example 3-Tsunmai (Arrival Times)

|  |  |
| --- | --- |
| **Message element** | **Example 3 -Tsunami (Arrivial Times)** |
| 1. Message series identifier | NAVAREA XII 365/21  aLASKA COASTAL AREAS.  TSUNAMI WARNING.  EARTHQUAKE WITH MAGNITUDE OF 8.2 HAS OCCURRED  IN VICINITY 55-18N 157-48W AT 290616Z JUL 2021.  A TSUNAMI HAS BEEN GENERATED WHICH COULD CAUSE  DAMAGE TO COASTS OF SOUTH ALASKA, THE ALASKA  PENINSULA AND THE ALEUTIAN ISLANDS.  TSUNAMI WAVE HEIGHTS CANNOT BE PREDICTED AND MAY BE A SERIES OF WAVES WHICH COULD BE DANGEROUS FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVAL. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text:** CARIBBEAN SEA |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
|  | **text**: HAITI |
| **messageSeriesIdentifier** | nationality: US  **nameOfSeries**: NAVAREA IV  **agencyResponsibleForProduction**: NGA  interoperabilityidentifier: **warningNumber**: 702  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |
| affectedChartPublications | chartAffected:  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate |  | |
| **publicationTime** | 20211019T100000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Natural phenomena | |
|  | **intService:** | Y | |
| **NAVWARNPart (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01, ID02 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** TSUNAMI WARNINGS. EARTHQUAKE, MAGNITUDE 8.2, OCCURRED AT 141229 UTC AUG 2021. TSUNAMI WAVES ARE POSSIBLE WHICH COULD CAUSE DAMAGE TO THE SURROUNDING COSATS. TSUNAMI WAVES REACHING THREE METERS ABOVE THE TIDE LEVEL ARE POSSIBLE AND MAY BE A SERIES OF WAVES WHICH COULD BE DANGEROUS FOR SEVERAL HOURS AFTER THE INITIAL WAVE ARRIVIAL.  **NavwarnTypeDetails:** tsunami warning | |
| geometry | 18-36N 073-30W | |
| NAVAWARNAreaAffected | POINT | |
| restriction |  | |
| **NAVWARNPart (ID02)** | header (role) | ID00 | |
| theWarningPart (role) | ID01, ID02 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** TSUNAMI ACTIVITY IS FORECASTED TO START AT THE FOLLOWING TIMES:   1. JEREMIE AT 1239Z 2. JACAMEL AT 1318Z 3. PORT AU PRINCE AT 1328Z   **NavwarnTypeDetails:** tsunami warning | |
|  | geometry | 18-36N 074-06W | |
|  | NAVAWARNAreaAffected | POINT | |
|  | geometry | 18-06N 072-30W | |
|  | NAVAWARNAreaAffected | POINT | |
|  | geometry | 18-30N 072-24W | |
|  | NAVAWARNAreaAffected | POINT | |
|  | restriction |  | |
| **TextPlacement (ID03)** | **text** | JEREMIE | |
| **textJustification** | RIGHT | |
| **geometry** | 18-36N 074-06W | |
| flipBearing |  | |
| ScaleMinimum |  | |
| **TextPlacement (ID04)** | **text** | JACAMEL | |
| **textJustification** | RIGHT | |
| **geometry** | 18-06N 072-30W | |
| flipBearing |  | |
| ScaleMinimum |  | |
| **TextPlacement (ID05)** | **text** | JEREMIE | |
| **textJustification** | RIGHT | |
| **geometry** | 18-36N 074-06W | |
| flipBearing |  | |
| ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

### **Discussion Points:**

1. The geometry is the reported location of the earthquake/volcano? Do we need to expand this geometry to capture the danger zone of potential tsunami? If so how?

## Example 4 – Volcanic Activity

|  |  |
| --- | --- |
| **Message element** | **Example 4 – Volcanic Activity** |
| 1. Message series identifier | NAVAREA IV 301/21  EASTERN CARIBBEAN SEA.  SAINT VINCENT.  RESTRICTED AREA DUE TO VOLCANIC ACTIVITY  IN AREA BOUND BY  13-15.00N 061-19.60W, 13-18.00N 061-18.50W,  13-22.08N 061-15.38W, 13-26.00N 061-09.91W,  13-22.29N 061-04.90W, 13-19.88N 061-04.10W,  13-14.41N 061-03.90W. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text:** EASTERN CARIBBEAN SEA. |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
|  | **text**: SAINT VINCENT. |
| **messageSeriesIdentifier** | nationality: US  **nameOfSeries**: NAVAREA IV  **agencyResponsibleForProduction**: US  interoperabilityidentifier: **warningNumber**: 301  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |
| affectedChartPublications | chartAffected:  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate |  | |
| **publicationTime** | 20211019T100000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Dangerous natural phenomena | |
|  | **intService:** | Y | |
| **NAVWARNPart (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** RESTRICTED AREA DUE TO VOLCANIC ACTIVITY  **NavwarnTypeDetails:** VOLCANO ACTIVITY | |
| geometry | 13-15.00N 061-19.60W  13-18.00N 061-18.50W  13-22.08N 061-15.38W  13-19.88N 061-04.10W  13-14.41N 061-03.90W | |
| NAVAWARNAreaAffected | POLYGON | |
| restriction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

## Example 5 – Tsunami (Volcanic Activitiy)

|  |  |
| --- | --- |
| **Message element** | **Example 2 -Tsunami (Earthquake)** |
| 1. Message series identifier | NAVAREA XIV 4/22  SOUTH PACIFIC OCEAN.  1. TSUNAMI THREAT MESSAGE ISSUED BY PACIFIC TSUNAMI  WARNING CENTRE AT 152006 UTC JAN 2022. A VOLCANIC ERUPTION HAS OCCURRED IN VICINITY 20-30S 175-24W LOCATION TONGA AT 150427 UTC JAN 2022. HAZARDOUS TSUNAMI WAVES FROM THIS EARTHQUAKE ARE POSSIBLE WITHIN THE NEXT THREE HOURS.  2. CANCEL THIS MSG 152336 UTC JAN 2022. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text:** SOUTH PACIFIC OCEAN |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
|  | **text**: |
| **messageSeriesIdentifier** | nationality: US  **nameOfSeries**: NAVAREA XIV  **agencyResponsibleForProduction**: US  interoperabilityidentifier: **warningNumber**: 4  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected:  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate | 20220115T233600Z | |
| **publicationTime** | 2022015T202000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Natural phenomena | |
|  | **intService:** | Y | |
| **NAVWARNPart (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** TSUNAMI THREAT MESSAGE ISSUED BY PACIFIC TSUNAMI WARNING CENTRE AT 152006 UTC JAN 2022. A VOLCANIC ERUPTION HAS OCCURRED. LOCATION TONGA AT 150427 UTC JAN 2022. HAZARDOUS TSUNAMI WAVES FROM THIS EARTHQUAKE ARE POSSIBLE WITHIN THE NEXT THREE HOURS.  **NavwarnTypeDetails:** tsunami warning | |
| geometry | 55-18N 157-48W | |
| NAVAWARNAreaAffected | POINT | |
| restriction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

### **Discussion Points:**

1. This particular example had impacts from new Zealand to Alaska and chile, how can this be portrayed?

# 17. World Health Organization (WHO) health advisory information

## Example 1 – WHO Advisory

| **Message element** | **Example 1 – WHO Advisory** |
| --- | --- |
| 1. Message series identifier | NAVAREA XVIII 69/21  CANADA  1. ON 11 MARCH 2020, THE WORLD HEALTH ORGANIZATION DECLARED THAT THE GLOBAL OUTBREAK OF COVID-19 IS A PANDEMIC. TO REDUCE THE SPREAD OF COVID-19, WHERE POSSIBLE, PRACTICE PHYSICAL DISTANCING AND PROPER HYGIENE, KEEP ROOMS WELL VENTILATED AND DISINFECT SURFACES ON BOARD.MARINERS ARE REMINDED OF THEIR RESPONSIBILITY TO DECLARE ANY ON-BOARD ILLNESS AS OUTLINED IN PART 4, OF THE CANADIAN COAST GUARD PUBLICATION, RADIO AIDS TO MARINE NAVIGATION.  THE CANADIAN COAST GUARD REMAINS READY TO PROVIDE ASSISTANCE TO MARINERS.  VISIT [WWW.CANADA.CA](http://WWW.CANADA.CA) FOR UPDATES ON COVID-19.  VISIT [WWW.TC.CANADA.CA](http://WWW.TC.CANADA.CA) FOR COVID-19 UPDATES RELATED TO MARINE TRANSPORTATION.  2. CANCEL NAVAREA XVIII 125/20. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text:** CANADA |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
|  | **text**: |
| **messageSeriesIdentifier** | nationality: CA  **nameOfSeries**: NAVAREA XVIII  **agencyResponsibleForProduction**: CA  interoperabilityidentifier: **warningNumber**:69  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |
| affectedChartPublications | chartAffected:  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate |  | |
| **publicationTime** | 2021015T202000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** | Health Advisory | |
|  | **intService:** | Y | |
| **NAVWARNPart (ID01)** | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| featureName | displayName: N  language:  name: | |
| featureReference | AtoNNumber:  featureIdentifier:  ENCFeatureReference: | |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofDayStart: | |
| **warningInformation** | **Text:** 1. ON 11 MARCH 2020, THE WORLD HEALTH ORGANIZATION DECLARED THAT THE GLOBAL OUTBREAK OF COVID-19 IS A PANDEMIC. TO REDUCE THE SPREAD OF COVID-19, WHERE POSSIBLE, PRACTICE PHYSICAL DISTANCING AND PROPER HYGIENE, KEEP ROOMS WELL VENTILATED AND DISINFECT SURFACES ON BOARD.  MARINERS ARE REMINDED OF THEIR RESPONSIBILITY TO DECLARE ANY ON-BOARD ILLNESS AS OUTLINED IN PART 4, OF THE CANADIAN COAST GUARD PUBLICATION, RADIO AIDS TO MARINE NAVIGATION.  THE CANADIAN COAST GUARD REMAINS READY TO PROVIDE ASSISTANCE TO MARINERS.  VISIT [WWW.CANADA.CA](http://WWW.CANADA.CA) FOR UPDATES ON COVID-19.  VISIT [WWW.TC.CANADA.CA](http://WWW.TC.CANADA.CA) FOR COVID-19 UPDATES RELATED TO MARINE TRANSPORTATION.  **NavwarnTypeDetails:** World Health Organization notice | |
| geometry |  | |
| NAVAWARNAreaAffected | POINT | |
| restriction |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier | nationality: CA  **nameOfSeries**: NAVAREA XVIII  **agencyResponsibleForProduction**: CA  interoperabilityidentifier: **warningNumber**:125  **warningType**: (4) NAVAREA navigational warning  **year**: 20 | |

### **Discussion Points:**

1. The geometry does not exist.

# 18. Security Related Requirements

## Example 1

|  |  |
| --- | --- |
| **Message Element** | **Example 1** |
| 1. Message series identifier | NAVAREA I 88/22  FRANCE NORTH COAST  BAIE DE SEINE AND LE HAVRE HARBOUR.  SECURITY ANNOUNCEMENT. REF: ISPS CODE - SECURITY LEVELS IN FRENCH TERRITORIAL WATERS IN THE BAIE DE SEINE AND IN LE HAVRE HARBOUR UPGRADED TO SECURITY LEVEL 3. ALL SHIPS ARE PROHIBITED TO ENTER BAIE DE SEINE AND  LE HAVRE HARBOUR. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: FRANCE NORTH COAST |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: BAIE DE SEINE |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
|  | **text**: le havre harbour |
| **messageSeriesIdentifier** | nationality: GB  **nameOfSeries**: NAVAREA I  **agencyResponsibleForProduction**: GB  interoperabilityidentifier: **warningNumber**:88  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate |  | |
| **publicationTime** | 20220101T000000Z | |
| **navwarnTypeGeneral:** | security | |
| **intService:** | Y | |
| NWPreambleContent | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| **NavigationalWarn Part (ID01)** | featureName |  | |
| featureReference |  | |
| fixedDateRange |  | |
| **warningInformation** | **text:**  SECURITY ANNOUNCEMENT. REF: ISPS CODE - SECURITY LEVELS IN FRENCH TERRITORIAL WATERS IN THE BAIE DE SEINE AND IN LE HAVRE HARBOUR UPGRADED TO SECURITY LEVEL 3.  ALL SHIPS ARE PROHIBITED TO ENTER BAIE DE SEINE AND LE HAVRE HARBOUR.**NavwarnTypeDetails:** maritime security level change | |
| **geometry** |  | |
| **NAVAWARNAreaAffected** | point | |
| restriction | (7) ENTRY PROHIBITED | |
| Identifies (role) | ID01 | |
| cartographicText (role) |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** | right | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

### **Discussion Points:**

1. The geometry does not exist.

## Example 2

|  |  |
| --- | --- |
| **Message element** | **Example 2** |
| 1. Message series identifier | NAVAREA XI 111/22  JAPAN.  THE GOVERNMENT OF JAPAN ANNOUNCES PUBLICLY THAT IT SETS MARITIME SECURITY LEVEL 1. FOR DETAILS, CALL SOLAS CONVENTION IMPLEMENTATION OFFICE,  PHONE: 81-3-5253-8071. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: JAPAN |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: |
| **messageSeriesIdentifier** | nationality: JP  **nameOfSeries**: NAVAREA XI  **agencyResponsibleForProduction**: JP  interoperabilityidentifier: **warningNumber**: 111  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate |  | |
| **publicationTime** | 20220101T000000Z | |
| **navwarnTypeGeneral:** | security | |
| **intService:** | Y | |
| NWPreambleContent | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| **NavigationalWarn Part (ID01)** | featureName |  | |
| featureReference |  | |
| fixedDateRange |  | |
| **warningInformation** | **text:**  THE GOVERNMENT OF JAPAN ANNOUNCES PUBLICLY THAT IT SETS MARITIME SECURITY LEVEL 1. FOR DETAILS, CALL SOLAS CONVENTION IMPLEMENTATION OFFICE, PHONE: 81-3-5253-8071.  **NavwarnTypeDetails:** maritime security level change | |
| **geometry** |  | |
| **NAVAWARNAreaAffected** | point | |
| restriction |  | |
| Identifies (role) | ID01 | |
| cartographicText (role) |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** | right | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

### **Discussion Points:**

## Example 3

|  |  |
| --- | --- |
| **Message element** | **Example 3** |
| 1. Message series identifier | SUBAREA I 49/22  SWEDEN.  HEIGHTENED ISPS SECURITY LEVEL.  THE SWEDISH GOVERNMENT HAS DECIDED THAT ALL SHIPS IN SWEDISH PORTS OR IN SWEDISH TERRITORIAL WATERS ABOUT TO ENTER A SWEDISH PORT, SHALL APPLY SECURITY LEVEL 2. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **text**:SWEDEN |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: |
| **messageSeriesIdentifier** | nationality: SW  **nameOfSeries**: SUBAREA I  **agencyResponsibleForProduction**: SW  interoperabilityidentifier: **warningNumber**: 111  **warningType**: (3) sub-area navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate |  | |
| **publicationTime** | 20220101T000000Z | |
| **navwarnTypeGeneral:** | security | |
| **intService:** | Y | |
| NWPreambleContent | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| **NavigationalWarn Part (ID01)** | featureName |  | |
| featureReference |  | |
| fixedDateRange |  | |
| **warningInformation** | **text:**  HEIGHTENED ISPS SECURITY LEVEL.  THE SWEDISH GOVERNMENT HAS DECIDED THAT ALL SHIPS IN SWEDISH PORTS OR IN SWEDISH TERRITORIAL WATERS ABOUT TO ENTER A SWEDISH PORT, SHALL APPLY SECURITY LEVEL 2.  **NavwarnTypeDetails:** maritime security level change | |
| **geometry** |  | |
| **NAVAWARNAreaAffected** | point | |
| restriction |  | |
| Identifies (role) |  | |
| cartographicText (role) |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** | right | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

### **Discussion Points:**

## Example 4

|  |  |
| --- | --- |
| **Message element** | **Example 3** |
| 1. Message series identifier | NAVAREA VI 285/22  ARGENTINA.  THE ARGENTINE GOVERNMENT HAS SET MARITIME SECURITY LEVEL 3 FOR ALL PORTS. ALL SHIPS ENTERING ARGENTINA WATERS OR PORTS ARE REQUIRED TO MAINTAIN AN ARMED SECURITY WATCH. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **text**:ARGENTINA |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: |
| **messageSeriesIdentifier** | nationality: AR  **nameOfSeries**: NAVAREA VI  **agencyResponsibleForProduction**: AR  interoperabilityidentifier: **warningNumber**: 852  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate |  | |
| **publicationTime** | 20220101T000000Z | |
| **navwarnTypeGeneral:** | security | |
| **intService:** | Y | |
| NWPreambleContent | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| **NavigationalWarn Part (ID01)** | featureName |  | |
| featureReference |  | |
| fixedDateRange |  | |
| **warningInformation** | **text:**  THE ARGENTINE GOVERNMENT HAS SET MARITIME SECURITY LEVEL 3 FOR ALL PORTS. ALL SHIPS ENTERING ARGENTINA WATERS OR PORTS ARE REQUIRED TO MAINTAIN AN ARMED SECURITY WATCH.  **NavwarnTypeDetails:** maritime security level change | |
| **geometry** |  | |
| **NAVAWARNAreaAffected** | point | |
| restriction |  | |
| Identifies (role) |  | |
| cartographicText (role) |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** | right | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

### **Discussion Points:**

All security navigational warnings lack geographic representation

# Miscellaneous

## In-Force Bulletin

|  |  |
| --- | --- |
| **Message element** | **Example 1** |
| 1. Message series identifier | NAVAREA I 022/22 1. NAVAREA I WARNINGS IN FORCE AT 041000 UTC MAR 2022:    2021 SERIES: 031.  2022 SERIES: 020, 021, 022.    NOTES:  A. TEXTS OF NAVAREA I WARNINGS ISSUED EACH WEEK ARE PUBLISHED IN WEEKLY EDITIONS OF THE ADMIRALTY NOTICES TO MARINERS BULLETIN (ANMB).  B. NAVAREA I WARNINGS LESS THAN 42 DAYS OLD (020/22 ONWARD) ARE PROMULGATED VIA ENHANCED GROUP CALL (EGC) AND/OR RELEVANT NAVTEX TRANSMITTERS.  C. THE COMPLETE TEXTS OF ALL IN-FORCE NAVAREA I WARNINGS, INCLUDING THOSE WHICH ARE NO LONGER BEING BROADCAST, ARE REPRINTED IN SECTION III OF ANMB IN WEEKS 1, 13, 26 AND 39 AND ARE ALSO AVAILABLE FROM THE UKHO WEBSITE AT: [WWW.ADMIRALTY.CO.UK/RNW](http://www.admiralty.co.uk/RNW).  ALTERNATIVELY, THESE MAY BE REQUESTED BY E-MAIL FROM NAVAREA I CO-ORDINATOR AT: [NAVWARNINGS@UKHO.GOV.UK](mailto:navwarnings@ukho.gov.uk) |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **text**:NAVAREA I |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: |
| **messageSeriesIdentifier** | nationality: GB  **nameOfSeries**: NAVAREA I  **agencyResponsibleForProduction**: GB  interoperabilityidentifier: **warningNumber**: 22  **warningType**: (9) NAVAREA in force bulletin  **year**: 22 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate |  | |
| **publicationTime** | 20220101T000000Z | |
| **navwarnTypeGeneral:** |  | |
| **intService:** | Y | |
| NWPreambleContent | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| TheReferences (role) | ID02, ID03, ID04, ID 05 | |
| **NavigationalWarn Part (ID01)** | featureName |  | |
| featureReference |  | |
| fixedDateRange |  | |
| **warningInformation** | **text:**  1.NAVAREA I WARNINGS IN FORCE AT 04100 UTC MAR 2022  NOTES:  A. TEXTS OF NAVAREA I WARNINGS ISSUED EACH WEEK ARE PUBLISHED IN WEEKLY EDITIONS OF THE ADMIRALTY NOTICES TO MARINERS BULLETIN (ANMB).  B. NAVAREA I WARNINGS LESS THAN 42 DAYS OLD (020/22 ONWARD) ARE PROMULGATED VIA ENHANCED GROUP CALL (EGC) AND/OR RELEVANT NAVTEX TRANSMITTERS.  C. THE COMPLETE TEXTS OF ALL IN-FORCE NAVAREA I WARNINGS, INCLUDING THOSE WHICH ARE NO LONGER BEING BROADCAST, ARE REPRINTED IN SECTION III OF ANMB IN WEEKS 1, 13, 26 AND 39 AND ARE ALSO AVAILABLE FROM THE UKHO WEBSITE AT: [WWW.ADMIRALTY.CO.UK/RNW](http://www.admiralty.co.uk/RNW).  ALTERNATIVELY, THESE MAY BE REQUESTED BY E-MAIL FROM NAVAREA I CO-ORDINATOR AT: [NAVWARNINGS@UKHO.GOV.UK](mailto:navwarnings@ukho.gov.uk)  **NavwarnTypeDetails:** | |
| **geometry** |  | |
| **NAVAWARNAreaAffected** | point | |
| restriction |  | |
| Identifies (role) |  | |
| cartographicText (role) |  | |
| **TextPlacement** | **text** |  | |
|  | **textJustification** | right | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References (ID02)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: GB  **nameOfSeries**: NAVAREA I  **agencyResponsibleForProduction**:GB  interoperabilityidentifier: **warningNumber** 31  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |
| **References (ID03)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: GB  **nameOfSeries**: NAVAREA I  **agencyResponsibleForProduction**:GB  interoperabilityidentifier: **warningNumber** 20  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| **References (ID04)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: GB  **nameOfSeries**: NAVAREA I  **agencyResponsibleForProduction**:GB  interoperabilityidentifier: **warningNumber** 21  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |
| **References (ID05)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: GB  **nameOfSeries**: NAVAREA I  **agencyResponsibleForProduction**:GB  interoperabilityidentifier: **warningNumber** 22  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |

### **Discussion Points:**

1. In this example, we are using References and not multiple NavigationalWarningFeaturePart. S-124 can express the required text in the message preamble.
2. This message will not plot on ECDIS; instead, ECDIS will check the NW datasets against the existing information in the system, cancelling those that are no longer valid and flag those which are missing.
   1. If there is no way to display on an ECDIS how would this information get to the mariner?

## In-Force Bulletin

|  |  |
| --- | --- |
| **Message element** | **Example 1** |
| 1. Message series identifier | NAVAREA II 085/22  1. NAVAREA II WARNINGS IN FORCE AT 271630 UTC FEB 22:  2020 SERIES: 083,  2021 SERIES: 251, 476,  2022 SERIES: 020, 027, 040, 041, 046, 057, 066, 069, 071, 073, 079, 080, 082, 083, 085.  2. ONLY THOSE LESS THAN 42 DAYS OLD ARE DAILY BROADCAST ON SAFETY  NET AT 04H30 AND 16H30 UTC.  3. THE COMPLETE TEXTS OF ALL IN-FORCE NAVAREA II WARNINGS ARE  AVAILABLE FROM THE SHOM WEBSITE AT: DIFFUSION.SHOM.FR  4. ALTERNATIVELY, THESE MAY BE REQUESTED BY E-MAIL AT: COORD.NAVAREA2@SHOM.FR  5. CANCEL NAVAREA II 067/22. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **text**:NAVAREA II |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: |
| **messageSeriesIdentifier** | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**: FR  interoperabilityidentifier: **warningNumber**: 85  **warningType**: (9) NAVAREA in force bulletin  **year**: 22 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate |  | |
| **publicationTime** | 20220101T000000Z | |
| **navwarnTypeGeneral:** |  | |
| **intService:** | Y | |
| NWPreambleContent | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| TheReferences (role) | ID02, ID03, ID04, ID05, ID06, ID07, ID08, ID09, ID10, ID11, ID12, ID13, ID14, ID15, ID16, ID17, ID18, ID19, ID20, ID21 | |
| **NavigationalWarn Part (ID01)** | featureName |  | |
| featureReference |  | |
| fixedDateRange |  | |
| **warningInformation** | **text:**  1.NAVAREA II WARNINGS IN FORCE AT 271630 UTC 2022.  2.ONLY THOSE LESS THAN 42 DAYS OLD ARE DAILY BROADCAST ON SAFETYNET AT 04H30 AND 16H30 UTC.  3.THE COMPLETE TEXTS OF ALL IN-FORCE NAVAREA II WARNINGS ARE AVAILABLE FROM THE SHOM WEBSITE AT DIFFUSION.SHOM.FR  4.ALTERNATIVELY, THESE MAY BE REQUESTED BY -MAIL AT [COORD.NAVAREA2@SHOM.FR](mailto:COORD.NAVAREA2@SHOM.FR)  5.CANCEL NAVAREA II 67/22.  **NavwarnTypeDetails:** | |
| **geometry** |  | |
| **NAVAWARNAreaAffected** | point | |
| restriction |  | |
| Identifies (role) |  | |
| cartographicText (role) |  | |
| **TextPlacement** | **text** |  | |
|  | **textJustification** | right | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References (ID02)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 83  **warningType**: (4) NAVAREA navigational warning  **year**: 20 | |
| **References (ID03)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 251  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |
| **References (ID04)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 476  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |
| **References (ID05)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 20  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| **References (ID06)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 27  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| **References (ID07)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 40  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| **References (ID08)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 41  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| **References (ID09)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 46  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| **References (ID10)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 57  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| **References (ID11)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 66  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| **References (ID12)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 69  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| **References (ID13)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 71  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| **References (ID14)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 73  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| **References (ID15)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 79  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| **References (ID16)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 80  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| **References (ID17)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 82  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| **References (ID19)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 83  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| **References (ID20)** | **noMessageOnHand** | N | |
| ReferenceCategory | In force (5) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber** 85  **warningType**: (4) NAVAREA navigational warning  **year**: 21 | |
| **References (ID21)** | **noMessageOnHand** | N | |
| ReferenceCategory | Cancellation (1) | |
| messageSeriesIdentifier | nationality: FR  **nameOfSeries**: NAVAREA II  **agencyResponsibleForProduction**:FR  interoperabilityidentifier: **warningNumber: 67**  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |

## No Warning Message

|  |  |
| --- | --- |
| **Message element** | **Example 1** |
| 1. Message series identifier | NAVAREA XIII  SELF CANCELLING. NO NAVAREA XIII WARNINGS TO BROADCAST AT 282130 UTC JAN 14. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: NAVAREA XIII |
| **messageSeriesIdentifier** | nationality: RU  **nameOfSeries**: NAVAREA XIII  **agencyResponsibleForProduction**: RU  interoperabilityidentifier: **warningNumber**:  **warningType**: (5) NAVAREA no warning  **year**: 14 | |
| affectedChartPublications | chartAffected: \_\_\_  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate | 20140128TxxxxxxZ | |
| **publicationTime** | 201401028T213000Z | |
| NWPreambleContent | header (role) | ID00 | |
| theWarningPart (role) | ID02 | |
| NWReferences | theWarning (role) | ID00 | |
| theReferences (role) | ID01 | |
| **References (ID01)** | Message series identifier |  | |
| No MessageOnHand | true | |
| referenceCategory | in-force (5) | |

### Discussion Points:

1. This is a self-cancelling NW, so what do we report for the time within the cancellationDate field?
2. Does this need to be plotted on ECDIS? If so, is the NAVAREA polygon required for the geometry?
3. How should ECDIS handle self-cancelling NWs?

## Cancellation Message:

### Example 1:

|  |  |
| --- | --- |
| **Message element** | **Example 1** |
| 1. Message series identifier | NAVAREA VII 126/22  CANCEL NAVAREA VII 100/22 and this msg, BAIXO RIBEIRO LIGHT, NORMAL CONDITIONS RESTORED. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **Text**: WESTERN NORTH ATLANTIC |
| locality | localityIdentifier |  |
| locationName | language: eng |
| **text:** FLORDIA |
| **messageSeriesIdentifier** | nationality: ZA  **nameOfSeries**: NAVAREA VII  **agencyResponsibleForProduction**: ZA  interoperabilityidentifier:  **warningNumber:** 126  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate | 20221210T000000Z | |
| **publicationTime** | 20221210T000000Z | |
| NWPreambleContent | **navwarnTypeGeneral:** |  | |
|  | **intService:** | Y | |
| **References** | **noMessageOnHand** | N | |
|  | ReferenceCategory | Cancellation (1) | |
|  | messageSeriesIdentifier | nationality: ZA  **nameOfSeries**: NAVAREA VII  **agencyResponsibleForProduction**: ZA  interoperabilityidentifier:  **warningNumber:** 100  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |

### **Discussion Points:**

1. Cancellation and in-force bulletin messages do not require a NavigationalWarningFeaturePart.
   1. Would one be needed to add the additional cancellation content within S-53?
2. One function of a Navigational Warning is for dataset management (i.e. cancellations and in-force bulltins).
3. ECDIS will not plot this NW; its reference will be to the NW being cancelled. If plotting is required, the ECDIS could extract it as a report.
4. ECDIS will simply remove the cancelled NW from the display, but a record of the NW and its cancellation would be maintained in the system.
5. What is the standard for the date/time to be used in the cancellationDate for a self cancelling NW?
   1. Have the cancel time match the publication time?

### Example 2:

|  |  |
| --- | --- |
| **Message element** | **Example 2** |
| 1. Message series identifier | NAVAREA IV 74/14  RADIO SERVICES.  1. U.S. COAST GUARD WILL TERMINATE HF RADIOTELEX (SITOR) SERVICES FOR COLLECTION OF AMVER SHIP POSITION REPORTS AND OF METEOROLOGICAL OBSERVATION FROM:  A. COMMUNICATIONS AREA MASTER STATION ATLANTIC (CAMSLANT NMN) AND COMMUNICATIONS STATION KODIAK (NOJ) EFFECTIVE 312359 UTC MAR 14.  B. COMMUNICATIONS AREA MASTER STATION PACIFIC (CAMSPAC NMC/NMO) AND COMMUNICATIONS STATION GUAM (NRV) WILL CONTINUE AT LEAST UNTIL 302359 UTC SEP 14.  AMVER AND NOAA METEOROLOGICAL REPORTS WILL CONTINUE TO BE RECEIVED AT NO CHARGE THRU SHIPCOM HF RADIOTELEX (NBDP) SERVICE VIA STATIONS KLB NEAR SEATTLE AND WLO NEAR MOBILE, ALABAMA, AND NOAA'S SEAS (SHIPBOARD EVIRONMENTAL (DATA) ACQUISITION SYSTEM) PROGRAM THROUGH INMARSAT-C. AMVER REPORTS MAY ALSO BE SENT AT NO CHARGE THRU GLOBE WIRELESS.BROADCAST OF MARITIME SAFETY INFORMATION BY HF SITOR (HF NAVTEX) WILL NOT BE AFFECTED BY THIS ACTION  2. CANCEL THIS MSG 010001 UTC OCT 14. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
|  | **locationName** | language: eng |
| **text**: NAVAREA IV |
| **messageSeriesIdentifier** | nationality: US  **nameOfSeries**: NAVAREA IV  **agencyResponsibleForProduction**: US  interoperabilityidentifier:  **warningNumber**: 74  **warningType**: 14 | |
| affectedChartPublications | chartAffected: \_\_\_  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate | 20141001T000100Z | |
| **publicationTime** | 20140101T000000Z | |
| NWPreambleContent | header (role) | ID00 | |
|  | theWarningPart (role) | ID01 | |
| **NavigationalWarningFeaturePart (ID01)** | restriction |  | |
| **warningHazardType** | HF services | |
| warningHazardType\* |  | |
| featureName |  | |
| featureReference |  | |
| fixedDateRange |  | |
| **warningInformation** | headline:  language:  **text**: 1. U.S. COAST GUARD WILL TERMINATE HF RADIOTELEX (SITOR) SERVICES FOR COLLECTION OF AMVER SHIP POSITION REPORTS AND OF METEOROLOGICAL OBSERVATION FROM:  A. COMMUNICATIONS AREA MASTER STATION ATLANTIC (CAMSLANT NMN) AND COMMUNICATIONS STATION KODIAK (NOJ) EFFECTIVE 312359 UTC MAR 14.  AMVER AND NOAA METEOROLOGICAL REPORTS WILL CONTINUE TO BE RECEIVED AT NO CHARGE THRU SHIPCOM HF RADIOTELEX (NBDP) SERVICE VIA STATIONS KLB NEAR SEATTLE AND WLO NEAR MOBILE, ALABAMA, AND NOAA'S SEAS (SHIPBOARD EVIRONMENTAL (DATA) ACQUISITION SYSTEM) PROGRAM THROUGH INMARSAT-C. AMVER REPORTS MAY ALSO BE SENT AT NO CHARGE THRU GLOBE WIRELESS.BROADCAST OF MARITIME SAFETY INFORMATION BY HF SITOR (HF NAVTEX) WILL NOT BE AFFECTED BY THIS ACTION | |
| geometry | (polygon 1) CAMSLANT NMN  (polygon 2) STATION KODIAK (NOJ) | |
| NAVAWARNAreaAffected |  | |
| **NavigationalWarningFeaturePart (ID02)** | restriction |  | |
|  | **warningHazardType** | HF services | |
|  | warningHazardType\* |  | |
|  | featureName |  | |
|  | featureReference |  | |
|  | fixedDateRange |  | |
|  | **warningInformation** | headline:  language:  **text**: 1. U.S. COAST GUARD WILL TERMINATE HF RADIOTELEX (SITOR) SERVICES FOR COLLECTION OF AMVER SHIP POSITION REPORTS AND OF METEOROLOGICAL OBSERVATIONS FROM  COMMUNICATIONS AREA MASTER STATION PACIFIC (CAMSPAC NMC/NMO). COMMUNICATIONS STATION GUAM (NRV) WILL CONTINUE AT LEAST UNTIL 302359 UTC SEP 14.  AMVER AND NOAA METEOROLOGICAL REPORTS WILL CONTINUE TO BE RECEIVED AT NO CHARGE THRU SHIPCOM HF RADIOTELEX (NBDP) SERVICE VIA STATIONS KLB NEAR SEATTLE AND WLO NEAR MOBILE, ALABAMA, AND NOAA'S SEAS (SHIPBOARD EVIRONMENTAL (DATA) ACQUISITION SYSTEM) PROGRAM THROUGH INMARSAT-C. AMVER REPORTS MAY ALSO BE SENT AT NO CHARGE THRU GLOBE WIRELESS.BROADCAST OF MARITIME SAFETY INFORMATION BY HF SITOR (HF NAVTEX) WILL NOT BE AFFECTED BY THIS ACTION | |
|  | geometry | (polygon 3) (CAMSPAC NMC/NMO) | |
|  | NAVAWARNAreaAffected |  | |

### **Discussion Points:**

In this example, the S-124 dataset should create two distinct navigationalWarningFeatureParts.

## Permanent Time Zone Change:

|  |  |
| --- | --- |
| **Message element** | **Example 1** |
| 1. Message series identifier | NAVAREA XV 55/14  DUE TO TIME CHANGE CARRIED OUT 300001 UTC MAR 14 CHILEAN STANDARD TIME HAS CHANGED TO TIME ZONE (UTC+4). SHIPS SHOULD COMPLY WITH REGULATIONS OF NATIONAL MARITIME AUTHORITY IN THE FOLLOWING WEB SITE: [WWW.SHOA.MIL.CL](http://WWW.SHOA.MIL.CL/) (SERVICIOS/RADIOAVISOS/RADIOWARNINGS/PROVISIONS OF THE NATIONAL MARITIME AUTHORITY). ALL SHIPS ARE REQUESTED TO SEND IN CLEAR TEXT, WIND, SEA AND ATMOSPHERIC PRESSURE REPORTS, TO CHILREP. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| text: NAVAREA XV |
| **messageSeriesIdentifier** | nationality: CL  **nameOfSeries**: NAVAREA xv  **agencyResponsibleForProduction**: CL  interoperabilityidentifier: **warningNumber**: 55  **warningType**: (4) NAVAREA navigational warning  **year**: 14 | |
| affectedChartPublications | chartAffected: \_\_\_  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate |  | |
| **publicationTime** | 20140101T000000Z | |
| NWPreambleContent | header (role) | ID00 | |
|  | theWarningPart (role) | ID01 | |
| **NavigationalWarningFeaturePart (ID01)** | restriction |  | |
| **warningHazardType** | regulations | |
| warningHazardType\* |  | |
| featureName |  | |
| featureReference |  | |
| fixedDateRange |  | |
| **warningInformation** | headline:  language:  **text:**  DUE TO TIME CHANGE CARRIED OUT 30001 UTC MAR 13 CHILEAN STANDARD TIME HAS CHANGED TO TIME ZONE (UTC+4). SHIPS SHOULD COMPLY WITH REGULATIONS OF NATIONAL MARITIME AUTHORITY IN THE FOLLOWING WEB SITE: [WWW.SHOA.MIL.CL](http://WWW.SHOA.MIL.CL)  (SERVICES RADIOAVISOS, RADIOWARNINGS,  PROVISIONS OF THE NATIONAL MARITIME AUTHORITY).  ALL SHIPS ARE REQUESTED TO SEND IN CLEAR TEXT, WIND SEAN AND ATOMSPHERIC PRESSURE REPORTS, TO CHILREP. | |
| geometry | (polygon of Chile coast waters)? | |
| NAVAWARNAreaAffected |  | |

## Website out of Service

|  |  |
| --- | --- |
| **Message element** | **Example 1** |
| 1. Message series identifier | navarea viii 43/22  NAVAREA VIII WEBSITE.  1. NAVAREA VIII WEBSITE UNUSABLE 122300 UTC TO 132300 UTC NOV 2022. FOR URGENT SERVICE, CONTACT NAVAREA VIII, PHONE: 91 135 274 7365, FAX: 91 135 274 8373, E-MAIL: INHO\_MARINESAFETY@DATAONE.IN.  2.CANCEL THIS MSG 140001 UTC NOV 2022. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

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| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: |
| **messageSeriesIdentifier** | nationality: IN  **nameOfSeries**: NAVAREA vIII  **agencyResponsibleForProduction**: IN  interoperabilityidentifier: **warningNumber**: 43  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate | 20221114T000100Z | |
| **publicationTime** | 20220101T000000Z | |
| **navwarnTypeGeneral:** |  | |
| **intService:** | Y | |
| NWPreambleContent | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| **NavigationalWarn Part (ID01)** | featureName |  | |
| featureReference |  | |
| fixedDateRange | DateEnd: 20221113  DateStart: 20221112  timeofDayEnd: 230000Z  timeofDayStart: 230000Z | |
| **warningInformation** | **text:**  NAVAREA VIII WEBSITE UNUSABLE 122300 UTC TO 132300 UTC NOV 2022. FOR URGENT SERVICE, CONTACT NAVAREA VIII, PHONE: 91 135 274 7365, FAX: 91 135 274 8373, E-MAIL: [INHO\_MARINESAFETY@DATAONE.IN](mailto:INHO_MARINESAFETY@DATAONE.IN).  **NavwarnTypeDetails:** | |
| **geometry** |  | |
| **NAVAWARNAreaAffected** | point | |
| restriction |  | |
| Identifies (role) | ID01 | |
| cartographicText (role) |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** |  | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

### **Discussion Points:**

1. This is about a website – so is the geometry linked to the NAVAREA?

## Space Weather

|  |  |
| --- | --- |
| **Message element** | **Example 1** |
| 1. Message series identifier | NAVAREA IV 43/22  SPACE WEATHER.  1. STRONG SOLAR RADIATION STORM IN PROGRESS UNTIL 081000 UTC MAR 2022. RADIO AND SATELLITE NAVIGATION SERVICES may be affected.  2. CANCEL THIS MSG 081100 UTC MAR 2022. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

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| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: |
| **messageSeriesIdentifier** | nationality: US  **nameOfSeries**: NAVAREA IV  **agencyResponsibleForProduction**: US  interoperabilityidentifier: **warningNumber**: 43  **warningType**: (4) NAVAREA navigational warning  **year**: 22 | |
| affectedChartPublications | chartAffected: \_\_\_  chartPublicationIdentifier:  internationalChartAffected: INT\_\_\_  language:  publicationAffected: | |
| NAVWARNtitle | Language:  Text: | |
| cancellationDate | 20220308T110000Z | |
| **publicationTime** | 20220303T000000Z | |
| **navwarnTypeGeneral:** |  | |
| **intService:** | Y | |
| NWPreambleContent | header (role) | ID00 | |
| theWarningPart (role) | ID01 | |
| **NavigationalWarn Part (ID01)** | featureName |  | |
| featureReference |  | |
| fixedDateRange |  | |
| **warningInformation** | **text:**  STRONG SOLAR RADIATION STORM IN PROGRESS UNTIL 081000 UTC MAR 2022. RADIO AND SATELLITE NAVIGATION SERVICES may be affected.  **NavwarnTypeDetails:** | |
| **geometry** |  | |
| **NAVAWARNAreaAffected** | point | |
| restriction |  | |
| Identifies (role) | ID01 | |
| cartographicText (role) |  | |
| **TextPlacement (ID02)** | **text** |  | |
|  | **textJustification** |  | |
|  | **geometry** |  | |
|  | flipBearing |  | |
|  | ScaleMinimum |  | |
| **References** | **noMessageOnHand** |  | |
|  | ReferenceCategory |  | |
|  | messageSeriesIdentifier |  | |

## Radiation Hazard

|  |  |
| --- | --- |
| **Message element** | **Example 1** |
| 1. Message series identifier | NAVAREA XI 1167/11  HONSHU, E COAST. FUKUSHIMA PREF COAST.  DANGEROUS AREA DESIGNATED AT 150230 UTC MAR 11. WITHIN  10 KILOMETRES OF FUKUSHIMA NR 1 NUCLEAR POWER PLANT,  37-25.5N 141-02.0E. SHIPS ARE ADVISED TO KEEP CLEAR. IN ADDITION, RESTRICTED AREA, WITHIN 20 KILOMETRES OF FUKUSHIMA NR 1 NUCLEAR POWER PLANT BASED ON SPECIAL MEASURES CONCERNING NUCLEAR EMERGENCY PREPAREDNESS AT 211500 UTC APR 11. |
| 2. General area |
| 3. Locality |
| 4. Chart number |
| 5. Key subject |
| 6. Geographical position |
| 7. Amplifying remarks |
| 8. Cancellation details |

|  |  |  |  |
| --- | --- | --- | --- |
| **NWPreamble (ID00)** | **generalArea** | localityIdentifier |  |
| **locationName** | language: eng |
| text: NAVAREA XI |
| locality | localityIdentifier |  |
| **locationName** | language: eng |
| **text**: HONSHU, E COAST |
| locality | localityIdentifier |  |
|  | **locationName** | language: eng |
|  |  | **text**: FUKUSHIMA PREF COAST |
| **messageSeriesIdentifier** | nationality: JP  **nameOfSeries**: NAVAREA XI  **agencyResponsibleForProduction**: JP  interoperabilityidentifier: **warningNumber**: 1167  **warningType**: (4) NAVAREA navigational warning  **year**: 11 | |
| affectedChartPublications | chartAffected: \_\_\_  internationalChartAffected: INT\_\_\_ | |
| title |  | |
| cancellationDate |  | |
| **publicationTime** | 20140101T000000Z | |
| NWPreambleContent | header (role) | ID00 | |
|  | theWarningPart (role) | ID01 | |
| **NavigationalWarningFeaturePart (ID01)** | restriction | 8 | |
| **warningHazardType** | Restricted area | |
| warningHazardType\* | Hazardous area | |
| featureName |  | |
| featureReference |  | |
| fixedDateRange |  | |
| **warningInformation** | headline:  language:  **text:**  DANGEROUS AREA DESIGNATED AT 150230 UTC MAR 11. WITHIN  10 KILOMETRES OF FUKUSHIMA NR 1 NUCLEAR POWER PLANT. SHIPS ARE ADVISED TO KEEP CLEAR. IN ADDITION, RESTRICTED AREA, WITHIN 20 KILOMETRES OF FUKUSHIMA NR 1 NUCLEAR POWER PLANT BASED ON SPECIAL MEASURES CONCERNING NUCLEAR EMERGENCY PREPAREDNESS AT 211500 UTC APR 11. | |
| Geometry (1) | Polygon limited by a curve boundary of type  S100\_CircleByCenterPoint  37-25.5N 141-02.0E (center point)  interpolation=circularArcCenterPointWithRadius  radius=20NM | |
| NAVAWARNAreaAffected |  | |
|  | Geometry (2) | Polygon limited by a curve boundary of type  S100\_CircleByCenterPoint  24-17.8S 042- 39.8W (center point)  interpolation=circularArcCenterPointWithRadius  radius=10NM | |

# Annex B – S-124 data model (@2024-10)

C:\Documents and Settings\Administrator\Desktop\Image2.EMF

Appendix 2: Empty S-124 v1.5 Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **NAVWARNPreamble (ID00)** | **generalArea** | localityIdentifier | |  | |
| **locationName** | | language: | |
| **text**: | |
| locality | localityIdentifier | |  | |
| **locationName** | | language: | |
| **text**: | |
| **messageSeriesIdentifier** | **agencyResponsibleForProduction**:  nationality:  **nameOfSeries**:  interoperabilityidentifier: **warningNumber:**  **warningType**  **year**: | | | |
| AffectedChartPublications | chartAffected: | | | chartNumber:  chartPlanNumber:  editionDate:  lastNoticeDate: |
| chartPublicationIdentifier: | | | |
| internationalChartAffected: | | | |
| Language: | | | |
| publicationsAffected: | | | |
| NAVWARNtitle | Language:  Text: | | | |
| cancellationDate |  | | | |
| publicationTime |  | | | |
| navwarnTypeGeneral: |  | | | |
| intService: |  | | | |
| NAVWARNPreambleContent | header (role) |  | | | |
| theWarningPart (role) |  | | | |
| NAVWARWNReferences | theWarning(role) |  | | | |
| theReferences (role) |  | | | |
| TextAssociation | Identifies (role) |  | | | |
| Positions (role) |  | | | |
| AreaAffected | Impacts (role) |  | | | |
| Affects (role) |  | | | |
| **NAVWARNPart (ID01)** | featureName | displayName:  language:  name: | | | |
| featureReference | AtoNNumber:  Featureidentifier: | | | |
| ENCFeatureReference | | | editionNumber:  ENCName:  featureObjectidentifier:  updateNumber: |
| fixedDateRange | dateEnd:  dateStart:  timeofDayEnd:  timeofdayStart: | | | |
| **warningInformation** | **information:** | Language: | | |
| **Text:** | | |
| **NavwarnTypeDetails:** | | | |
| geometry |  | | | |
| restriction |  | | | |
| NAVWARNAreaAffected | geometry |  | | | |
| TextPlacement | flipBearing |  | | | |
| scaleMinimum |  | | | |
| Text |  | | | |
| textJustification |  | | | |
| geometry |  | | | |
| **References** | **messageSeriesIdentifier** | **agencyResponsibleForProduction**:  nationality:  **nameOfSeries**:  interoperabilityidentifier: **warningNumber:**  **warningType**  **year**: | | | |
| noMessageOnHand |  | | | |
| referenceCategory |  | | | |