

EU LRIT CDC developments

4nd LRIT NCA meeting
3 May 2011

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- UWI Release status
- Audit
- Future changes/additional user requirements
- Xml Interfaces
- Ship database upgrade
- Q&A

UWI Release Status

- EU CDC version is 1.1.4.00, installed mid Dec. 2010, validated April 2011 in Prod & Test
- 17 evolutions and 22 corrections of anomalies
- Major evolutions:
 - the new ship integration process
 - the ship history
 - the billing enhancements
 - IMO changes (new Xsd, SAR archive, receipt 1 with invalid DDP, non metropolitan territories)
 - Upgraded Xml interface Ship db/EU CDC
- Next release 1.1.5 00 mid-June 2011
 - Corrective maintenance of the EU CDC

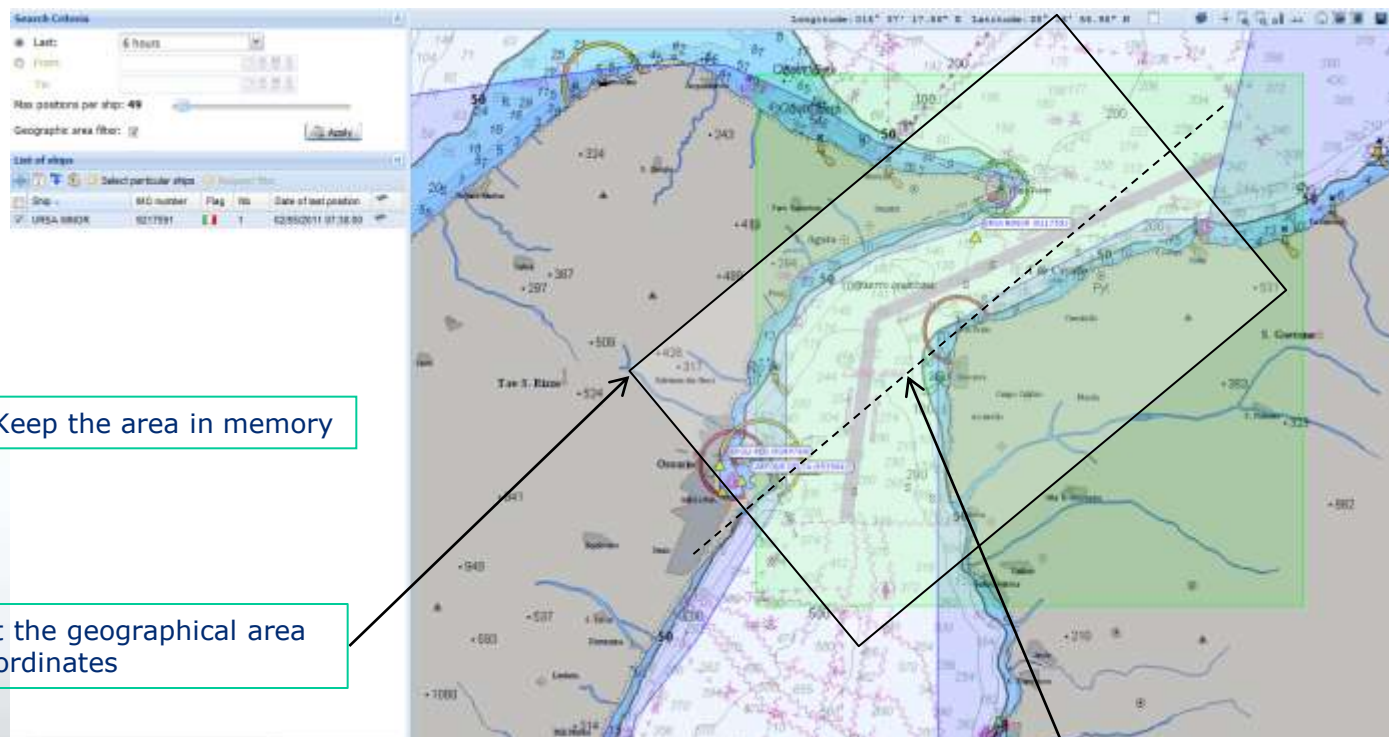
Audit

- Reference text: Res. MSC. 263(84) sect.14.4
- Period covered by the audit: 4 June 2010 to 3 June 2011
- Audited Activity period: 1 Jan. to 30 Jan. 2011
- Scheduled audit date: 31 May 2011

Future changes/additional user requirements

- Geographical area filter: improvements
- Facilitating the LRIT reporting: Colors
- Facilitating the LRIT reporting:
Automatic Alert Service (AAS)
- SAR SURPIC: improvement

Geographical area filter: improvement



Keep the area in memory

Select the geographical area
by coordinates

Orientate the axe of the area

Facilitating the LRIT reporting: Colors

- LRIT EU NCA to select option:
 - option 1 : age of the last position displayed on the map
 - Example for age of the last position:
 - $X \leq 6h \Rightarrow$ green
 - $6 < X \leq 24h \Rightarrow$ yellow
 - $24 < X \Rightarrow$ red
 - option 2 : reporting status of the ship at its last position displayed on the map
 - Example for ship reporting status:
 - Normal \Rightarrow green
 - Over reporting \Rightarrow yellow
 - Under reporting \Rightarrow red
 - Not reporting \Rightarrow black

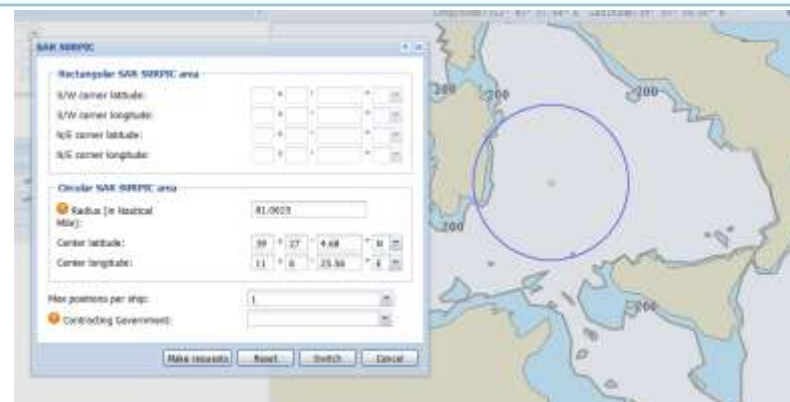



Facilitating the LRIT reporting: Automatic Alert Service (AAS)

- AAS basic concept: immediate information (email) triggered by change of ship reporting status and/or integration status.
- Information to be sent automatically by email to:
 - the corresponding EU MS (Flag with corresponding role) and/or
 - the corresponding ship's point of contact (shipowner or ship operator, as per information provided by EU MS into the EU Ship DB)
- Alert and Text configurable via a dedicated menu on the EU LRIT CDC UWI (ex: only in case of ship changing its reporting status for "not reporting")
- AAS main objectives:
 - Providing the POC (EU Flag or shipowners) with real time LRIT reporting status of their ships
 - Saving time and efforts at the EU MS level for following up the LRIT reporting with their shipowners
 - Improving the overall LRIT reporting of ships within European flags

SAR SURPIC: improvement

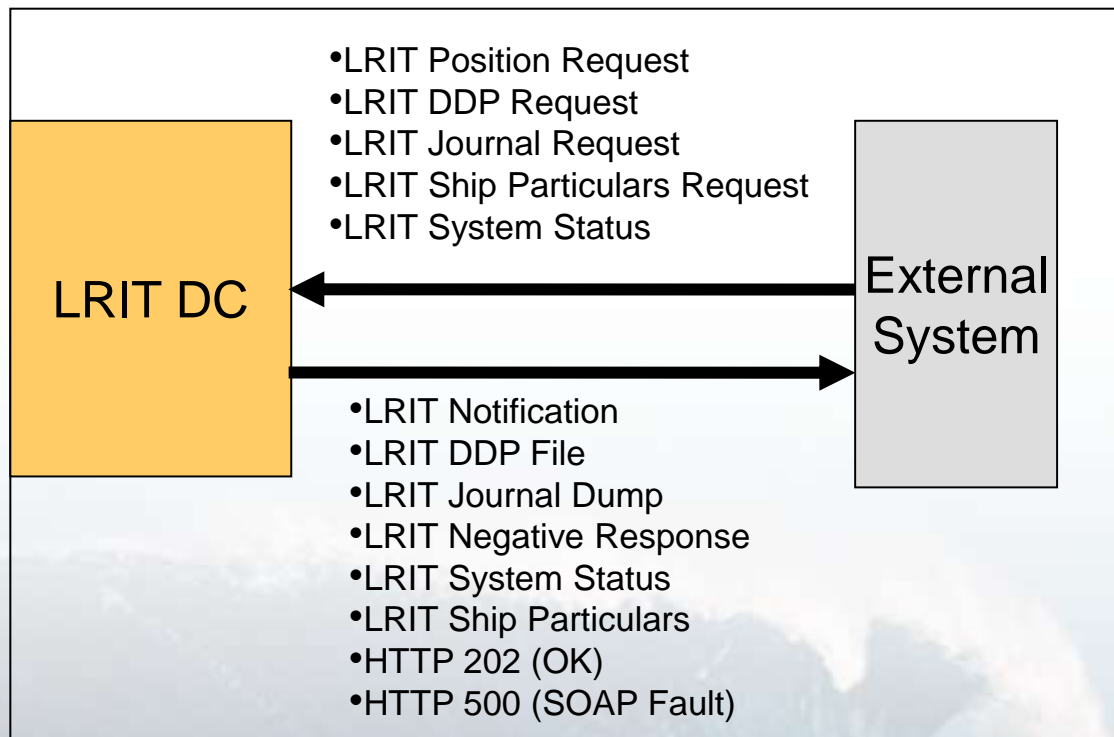
- The user should be able to view the selected SAR SURPIC area and the associated LRIT information on the map, even if no position is present in the SAR SURPIC.



- The user should be able to make a SAR SURPIC from both maps (Mercator or orthographic) using the same functionalities available on the UWI.
- The drawing of the SAR SURPIC should be easier
-  It should be possible to change/adjust the SAR SURPIC characteristics (coordinates of the centre and radius) from the SAR SURPIC window by manually inserting the radius value and the Lat/long coordinates.

Xml Interfaces

The main functionality of the XML Interface is the possibility to request and receive LRIT information through the EU LRIT CDC with a Web Service based mechanism

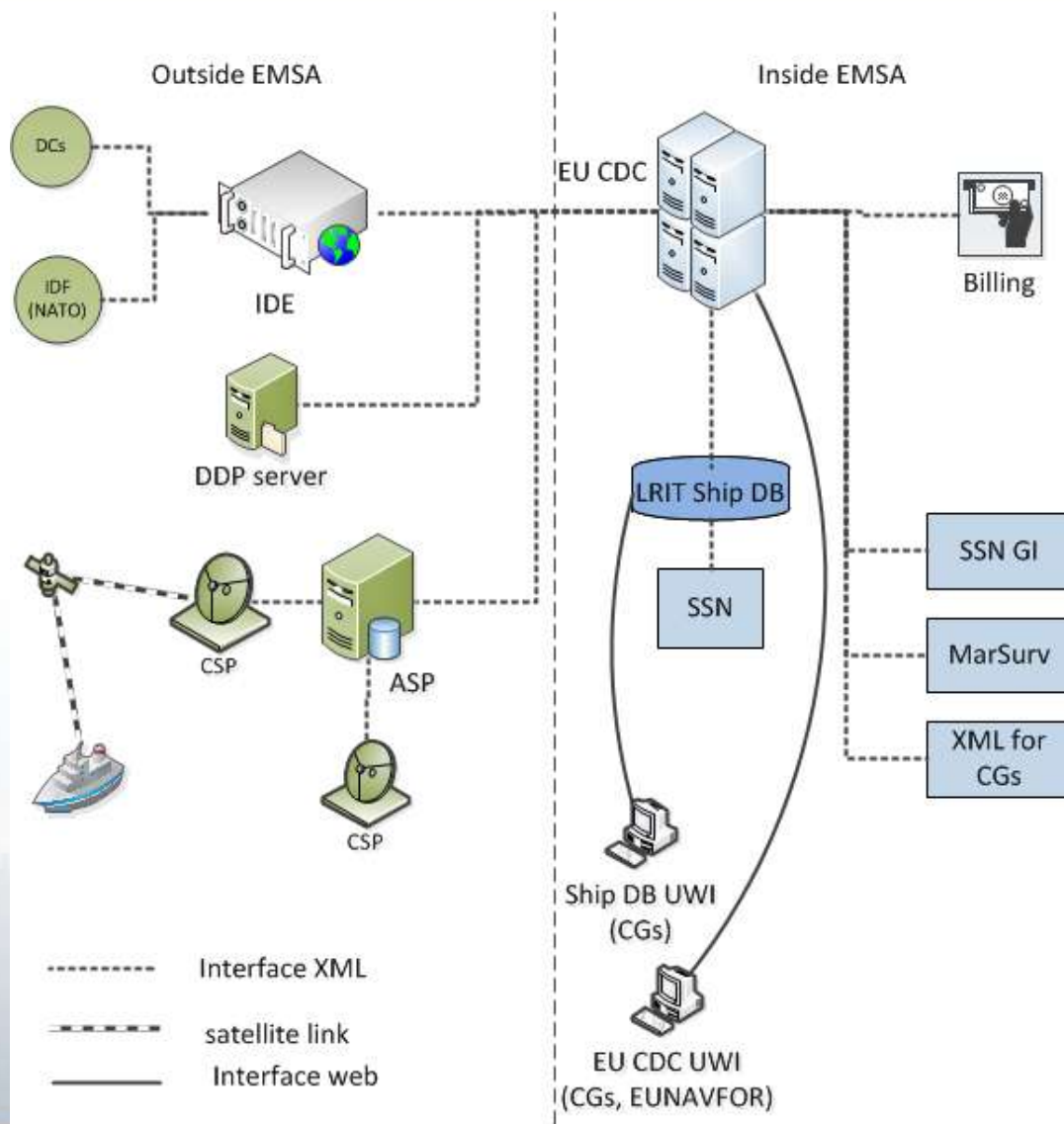


Xml Interfaces

- Xml interface is available on EU LRIT CDC Production site
- Before going to production, MS shall pass the Testing and Commissioning phase
 - MS should follow the Testing procedure, described in doc. *Implementation and Testing v1.1*, to test the messages exchange between the EU CDC and the Member State system.
 - MS should send the test report to EMSA

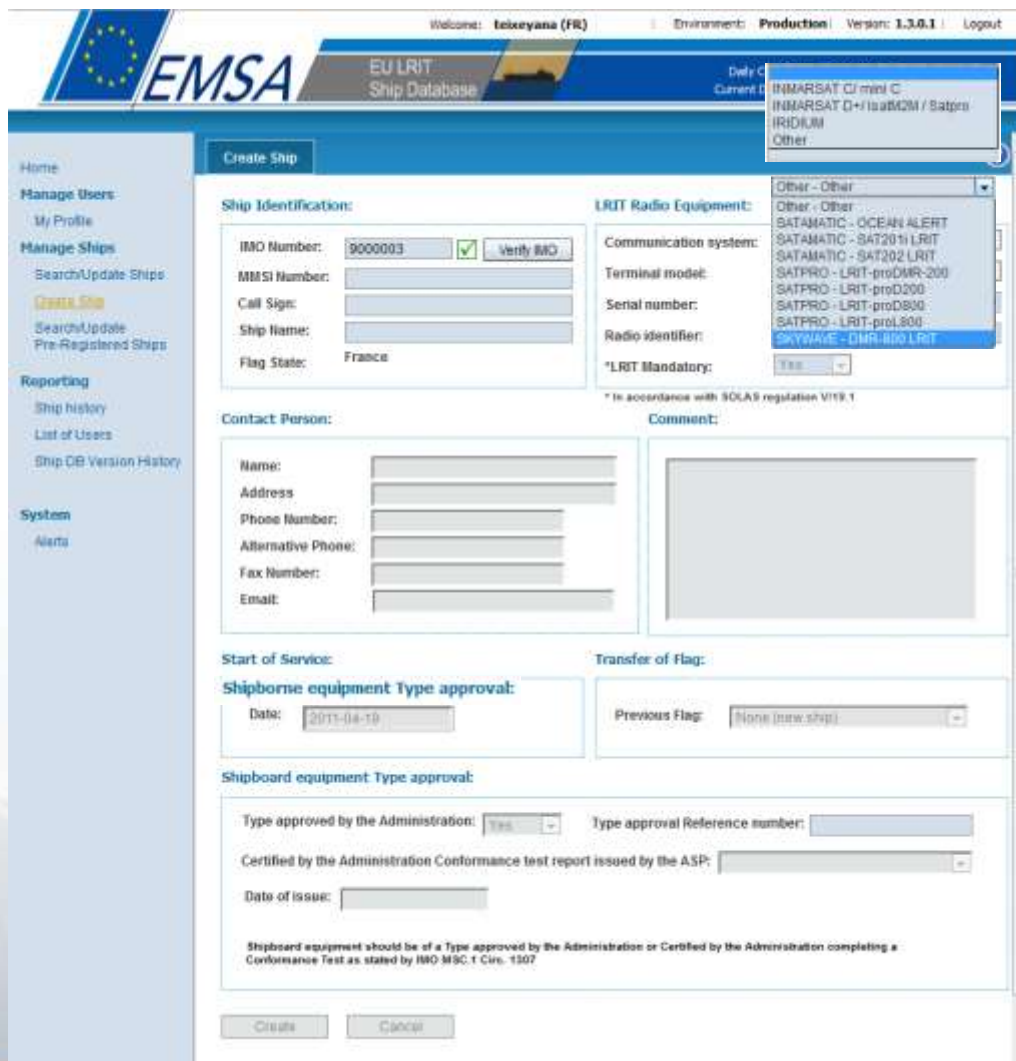
Interfaces summary

(For information)



Ship DB upgrade

- In production since Feb. 2011
- Version consolidated May 2011
- Add new fields & helps
- Values for new fields filled-in by EMSA for the existing ships
- Security policy improvement
- "Type approval" window updated with IMO Circ. 1307
- Xml interface with SSN

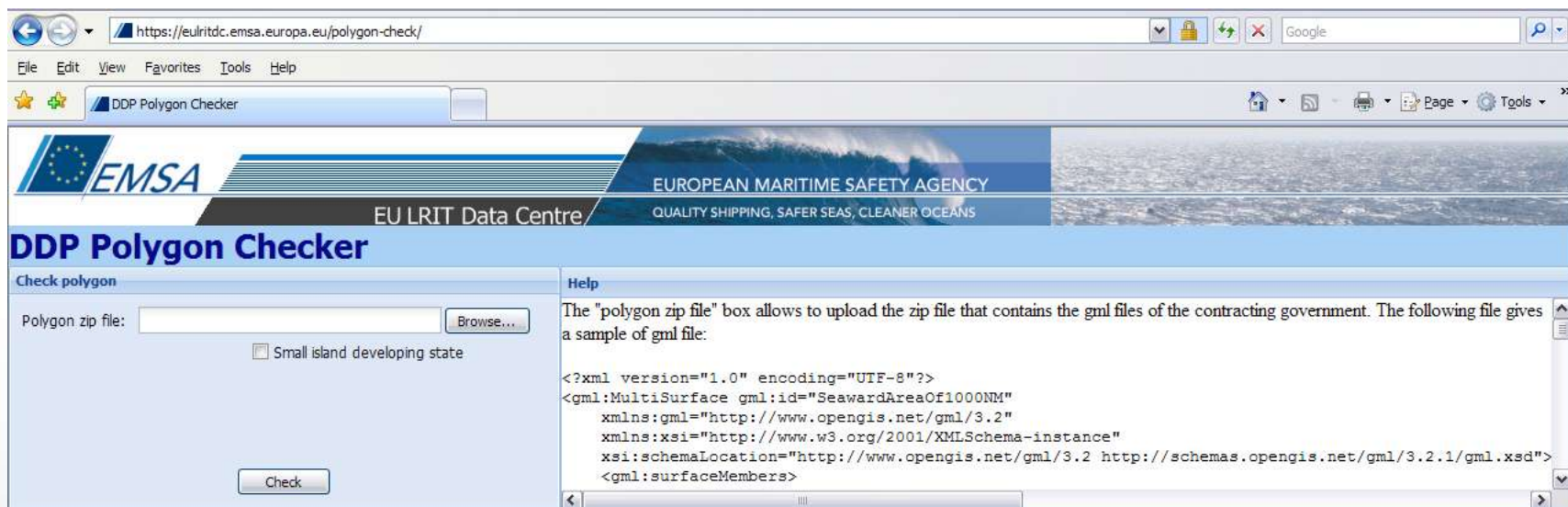


The screenshot shows the 'Create Ship' form in the EMSA EU LRIT Ship Database. The form is divided into several sections:

- Ship Identification:** Includes fields for IMO Number (9000003), MMSI Number, Call Sign, Ship Name, and Flag State (France). There is a 'Verify IMO' button.
- LRIT Radio Equipment:** Includes a dropdown for 'Other - Other' (showing options like INMARSAT C, INMARSAT D, Iridium, etc.), a 'Communication system' dropdown (showing options like SATAMATIC, SATPRO, etc.), and a 'Terminal model' field.
- Contact Person:** Includes fields for Name, Address, Phone Number, Alternative Phone, Fax Number, and Email.
- Start of Service:** Includes a 'Shipborne equipment Type approval' section with a 'Date' field (2011-04-10) and a 'Transfer of flag' section with a 'Previous Flag' dropdown (None (new ship)).
- Shipboard equipment Type approval:** Includes a 'Type approved by the Administration' dropdown (Yes), a 'Type approval Reference number' field, a 'Certified by the Administration Conformance test report issued by the ASP' dropdown, and a 'Date of issue' field.

At the bottom of the form, there are 'Create' and 'Cancel' buttons. A note at the bottom states: 'Shipboard equipment should be of a Type approved by the Administration or Certified by the Administration completing a Conformance Test as stated by IMO MSC.1 Circ. 1307'.

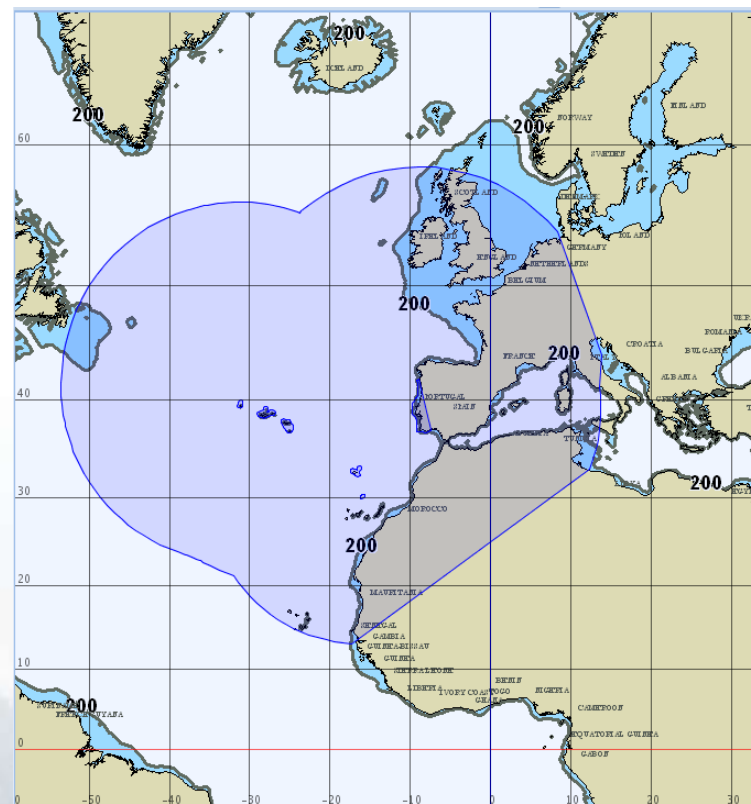
Don't Forget.....validate your polygons before uploading in the DDP

A screenshot of a web browser displaying the "DDP Polygon Checker" application. The browser's address bar shows the URL "https://eulritdc.emsa.europa.eu/polygon-check/". The application header includes the EMSA logo and the text "EU LRIT Data Centre" and "EUROPEAN MARITIME SAFETY AGENCY" with the tagline "QUALITY SHIPPING, SAFER SEAS, CLEANER OCEANS". The main content area is titled "DDP Polygon Checker" and contains a "Check polygon" section with a "Polygon zip file:" label, a text input field, a "Browse..." button, and a checkbox labeled "Small island developing state". Below this is a "Check" button. To the right is a "Help" section with text explaining the "polygon zip file" box and providing a sample of a gml file. The sample gml file is an XML document with the following content:

```
<?xml version="1.0" encoding="UTF-8"?>
<gml:MultiSurface gml:id="SeawardAreaOf1000NM"
  xmlns:gml="http://www.opengis.net/gml/3.2"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.opengis.net/gml/3.2 http://schemas.opengis.net/gml/3.2.1/gml.xsd">
  <gml:surfaceMembers>
```

- <https://eulritdc.emsa.europa.eu/polygon-check>

<https://eulritdc.emsa.europa.eu/polygon-check/>





Assistance

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Questions ??