

## **EU LRIT Data Centre**

### **Update**

**5<sup>th</sup> LRIT Expert Group meeting**

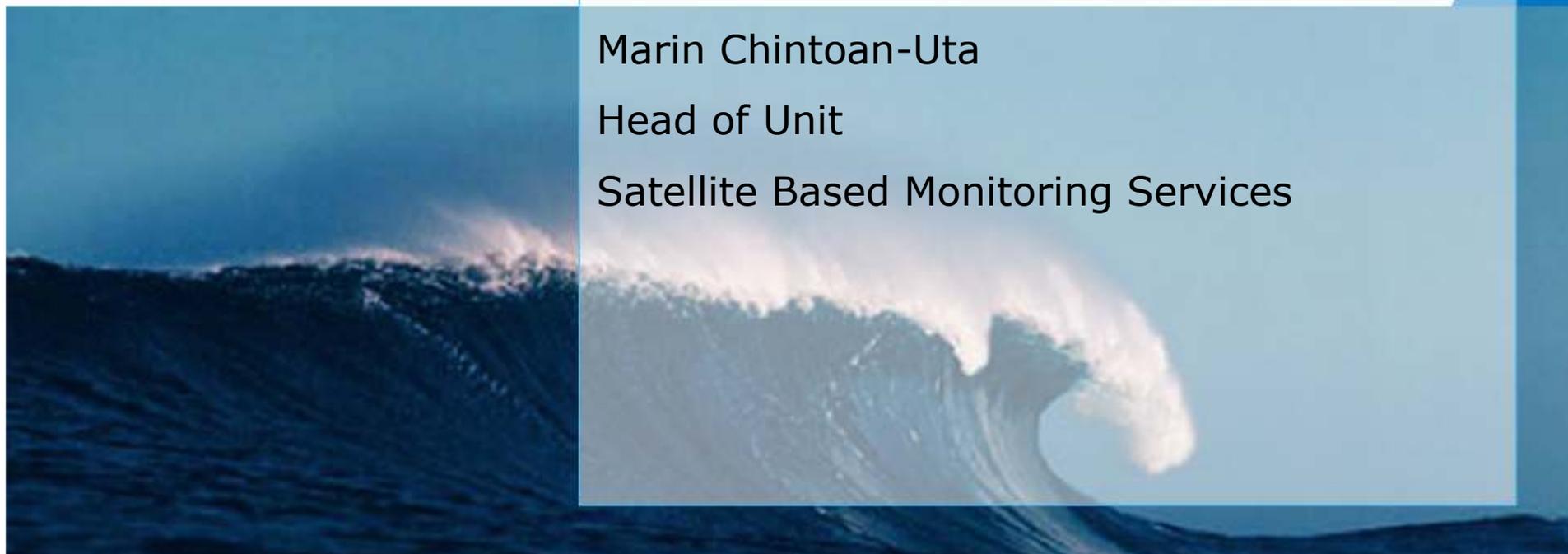
**27 April 2009**

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Satellite Based Monitoring Services



## EU LRIT Data Centre initial planning

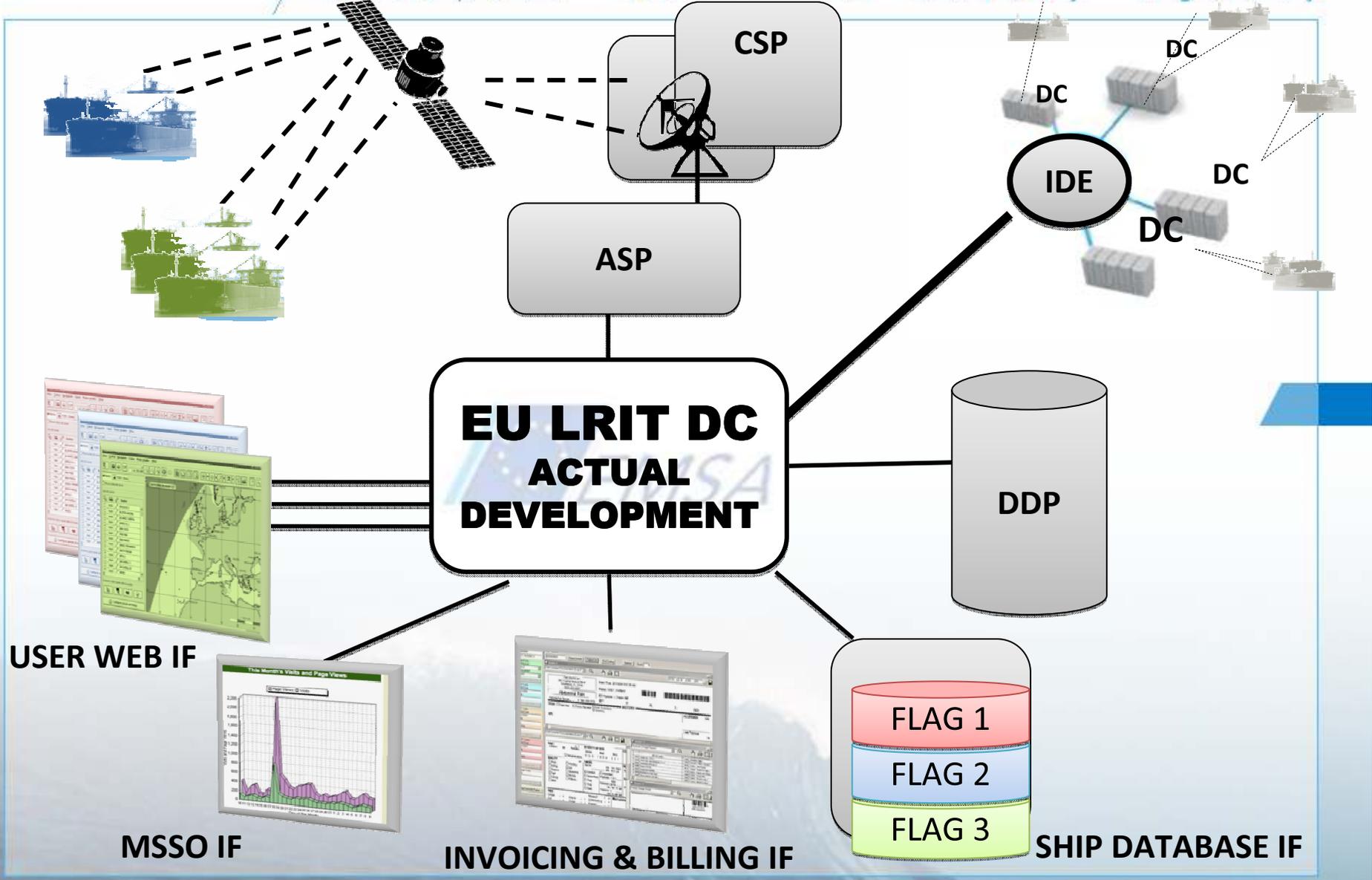


- Dec.07 EMSA LRIT Task Force
- Jan.08 Implementation Plan
- Apr.08 Tender specifications
- Jun.08 launch tenders
- Sept.08 evaluation of offers
- Nov-Dec.08 signing contracts
- Jan.09 setting-up EU LRIT system
- Apr-May.09 testing EU LRIT system
- June 09 EU LRIT DC operational

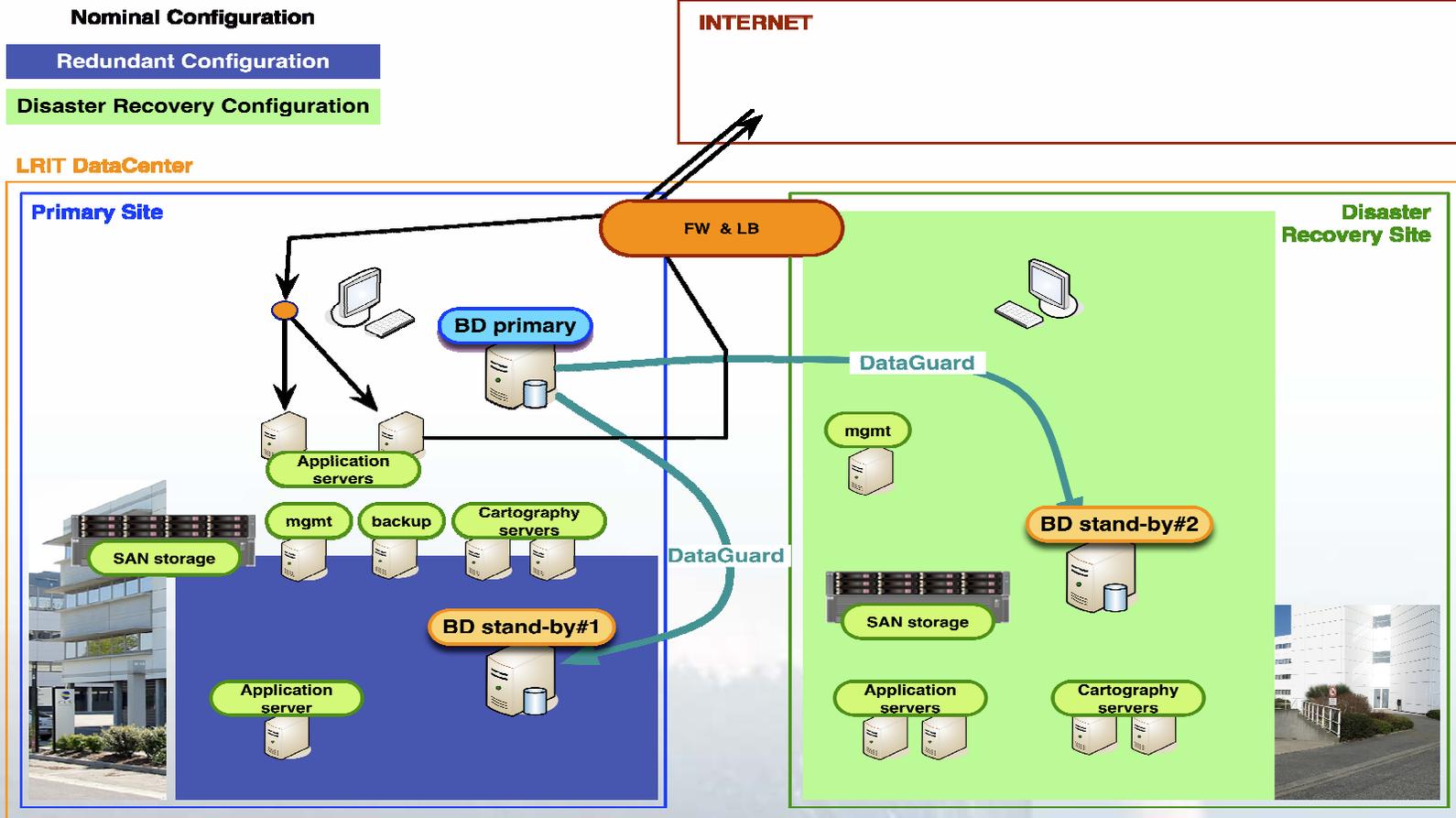
## Actual development of the EU LRIT DC/ASP

- 6/11/2008 – contracts signed;
- 12-14/11/08 - Kick-off meetings
- 16-17/12/08 - Technical follow-up meeting
- 27/02/2009 – validation of technical specs
- 16-20/03/09 – EU DC/ASP FAT
- 14-16/04/09 – I&B FAT
- 08-30/04/09 – IMO developmental testing
- 04-20/05/09 – IMO production testing
- 25/05/2009 – EU LRIT DC on-line in production environment





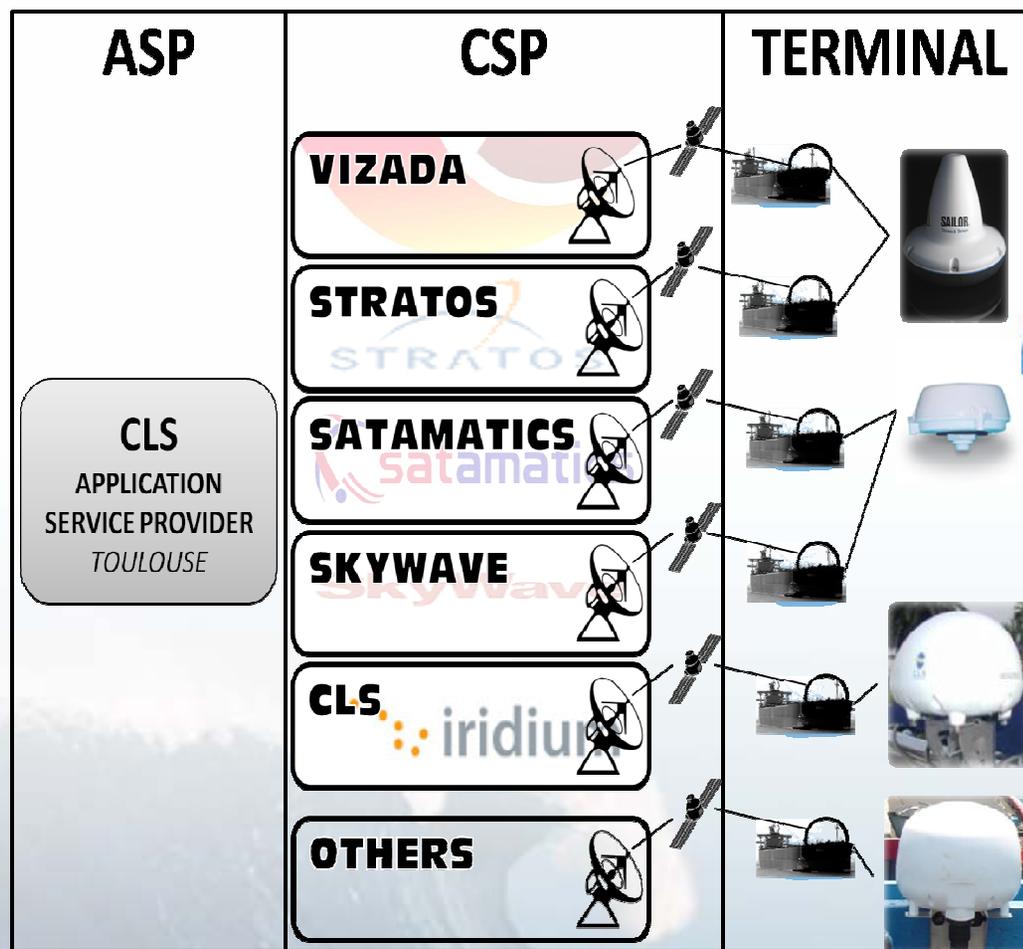
# EU LRIT DC Architecture - Set-up completed



# ASP / CSP / TERMINAL

## ASP IF

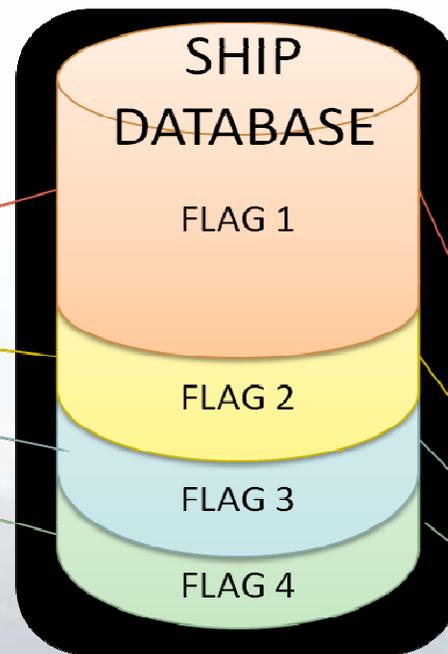
- is operational and ships registered in the EU LRIT Ship DB are integrated into EU ASP.



## EU LRIT Ship Data Base (DB)

The EU LRIT Ship DB is operational since December 2008. MS are uploading ships which have undergone the LRIT Conformance Testing.

**MS Ship  
Database  
Interfaces**



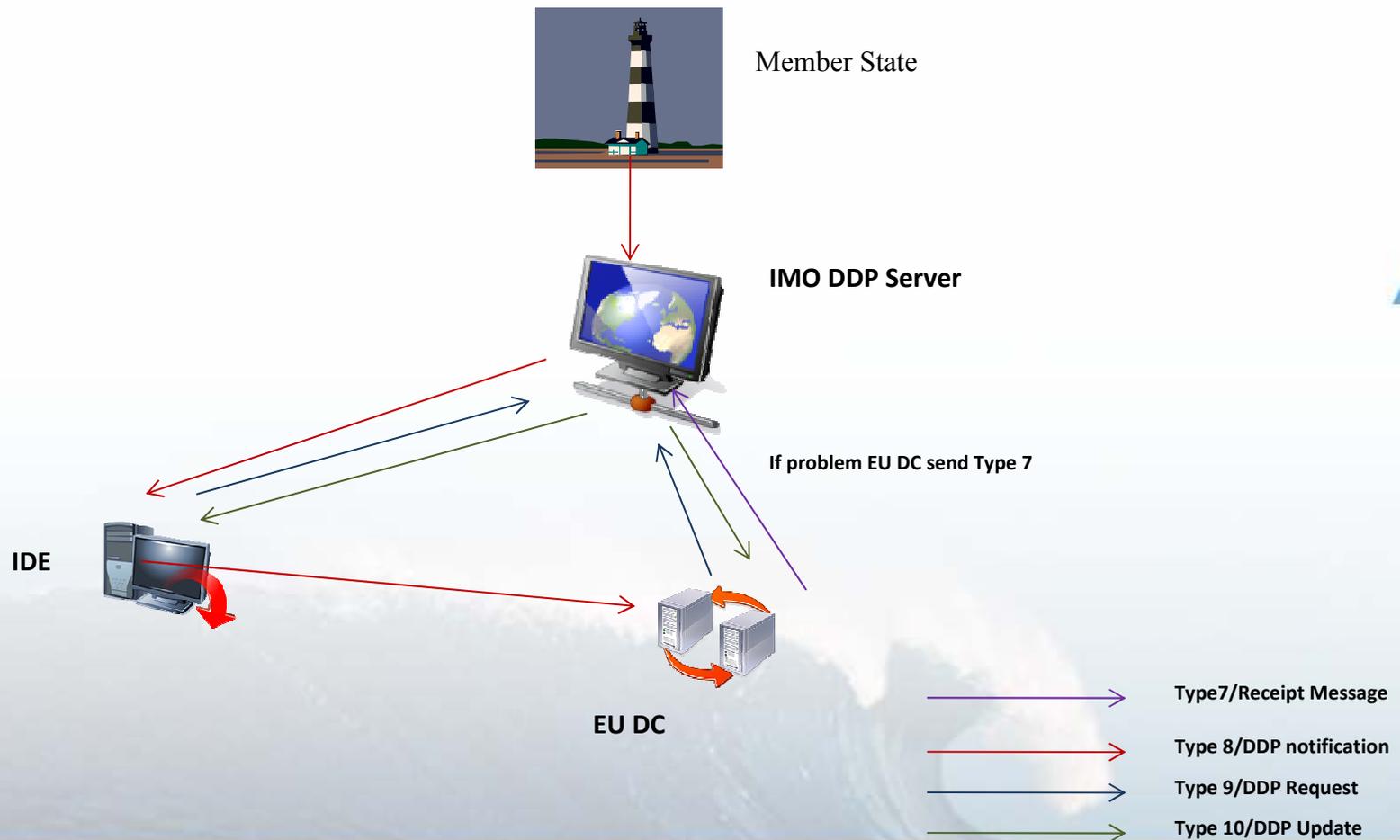
## Ship integration feedback

- non- mandatory data missing in 33% of cases (Radio ID mainly)
- 6.9 % (146) of cases the ship integration process failed (wrong ID or equipment not available)
- Mandatory and non-mandatory data collected by the ASP can be added in the MS GMDSS database
- When ship is removed from the EU LRIT Ship DB, the ASP needs to know so that DNID can be deleted from equipment
- Shipborne equipment change on a ship is not identified
- Consequences when “type approved” Shipborne equipment as it is impossible to retrieve the Radio ID

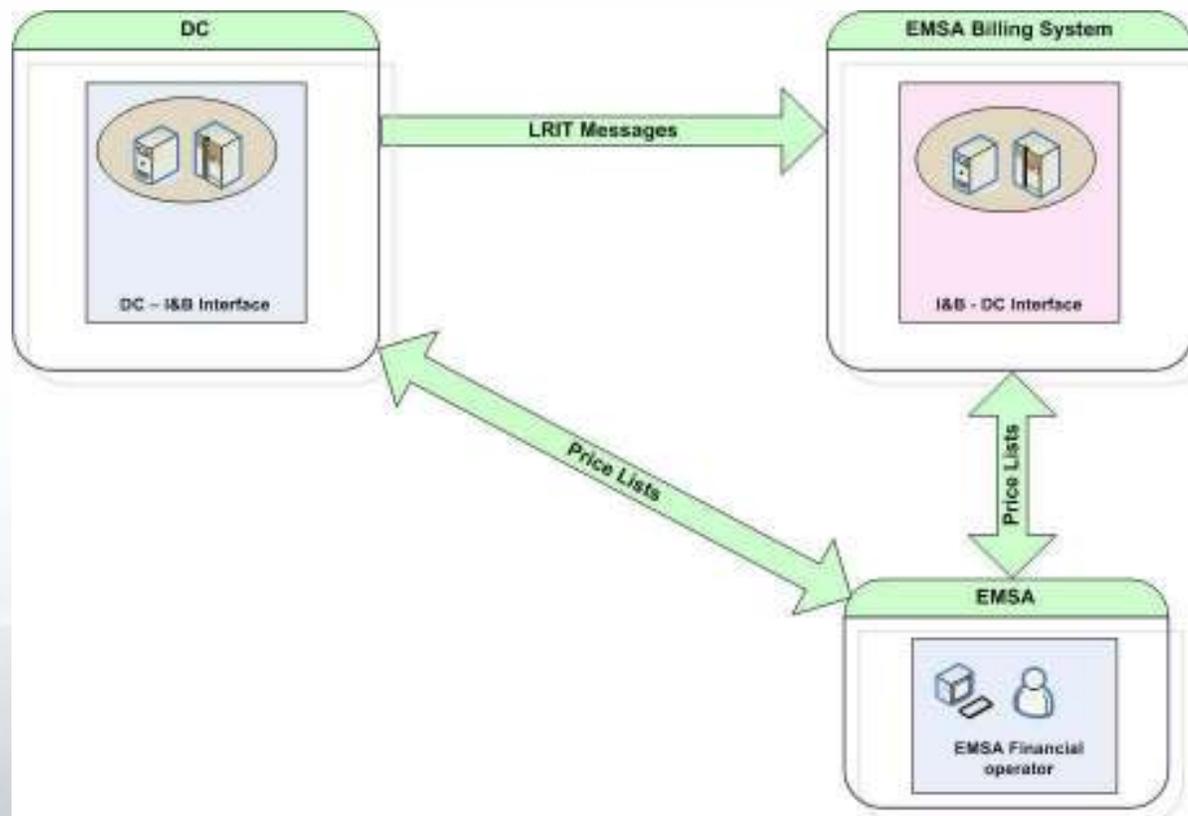
## Ship integration - actions

- MS should try to complete as much as possible the non-mandatory data
- Suggested that MS can update the LRIT Ship DB and GMDSS DB with reliable data provided by the ASP in an electronic file
- Re-integration button in the EU LRIT DC- to request an additional attempt to integrate the shipborne equipment
- MS should complete the transfer of flag information especially when change to non-MS as no means for ASP to remove DNID otherwise
- Propose that the Radio ID field should become mandatory

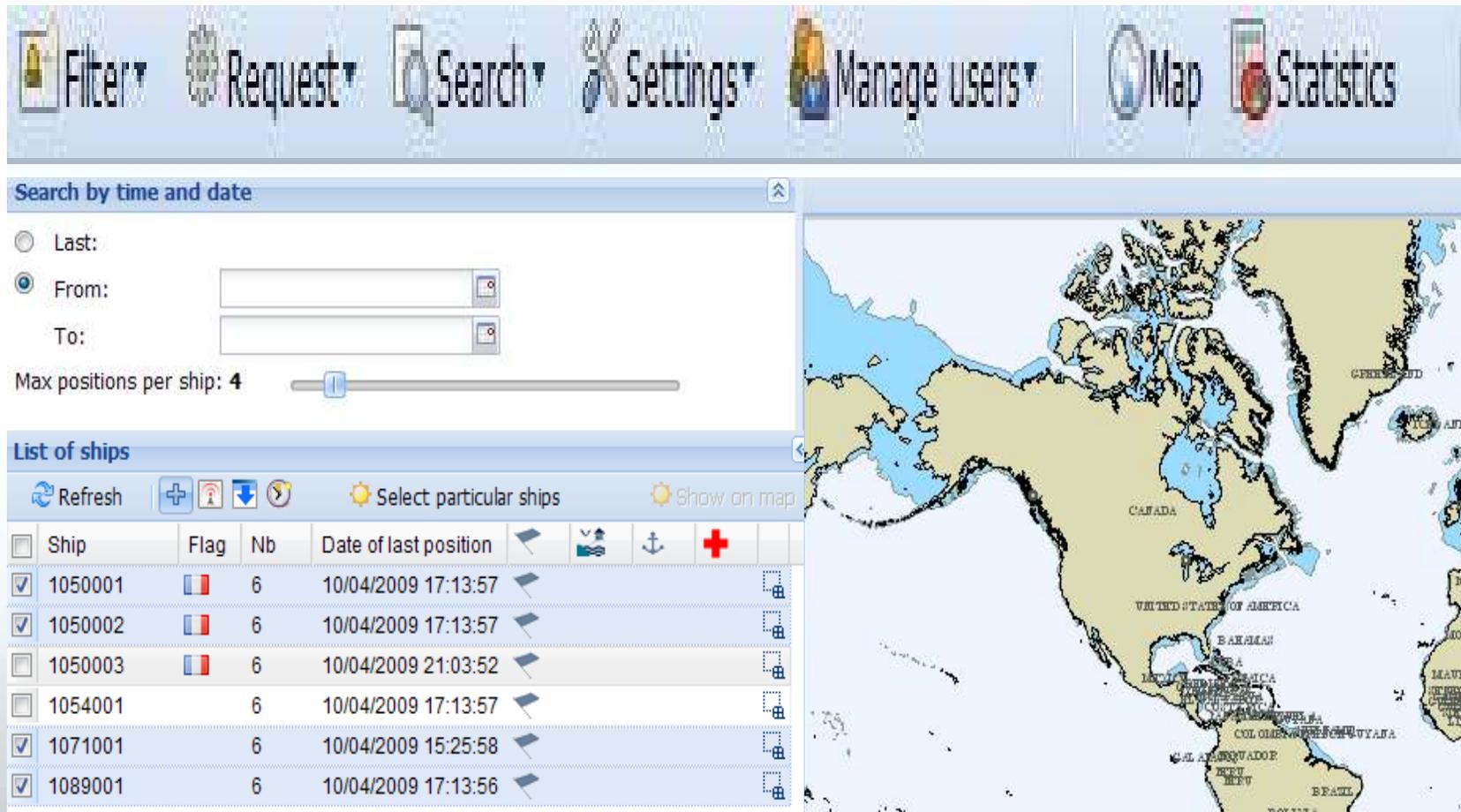
# DDP and IDE interfaces are operational



## Invoicing and Billing IF is under testing



## User Web IF is under testing



The interface features a navigation bar with the following tabs: Filter, Request, Search, Settings, Manage users, Map, and Statistics.

**Search by time and date**

Radio buttons for selection:  
 Last:  
 From: [input field]  
To: [input field]

Max positions per ship: 4 [slider]

**List of ships**

Buttons: Refresh, +, [lock icon], [refresh icon], [refresh icon], Select particular ships, Show on map

Ship	Flag	Nb	Date of last position				
<input checked="" type="checkbox"/>	1050001		6	10/04/2009 17:13:57			
<input checked="" type="checkbox"/>	1050002		6	10/04/2009 17:13:57			
<input type="checkbox"/>	1050003		6	10/04/2009 21:03:52			
<input type="checkbox"/>	1054001		6	10/04/2009 17:13:57			
<input checked="" type="checkbox"/>	1071001		6	10/04/2009 15:25:58			
<input checked="" type="checkbox"/>	1089001		6	10/04/2009 17:13:56			

The map displays the Americas, including Canada, United States of America, and parts of South America like Brazil and Colombia.

# EMSA Monitoring IF is under development

Task Monitor - Windows Internet Explorer

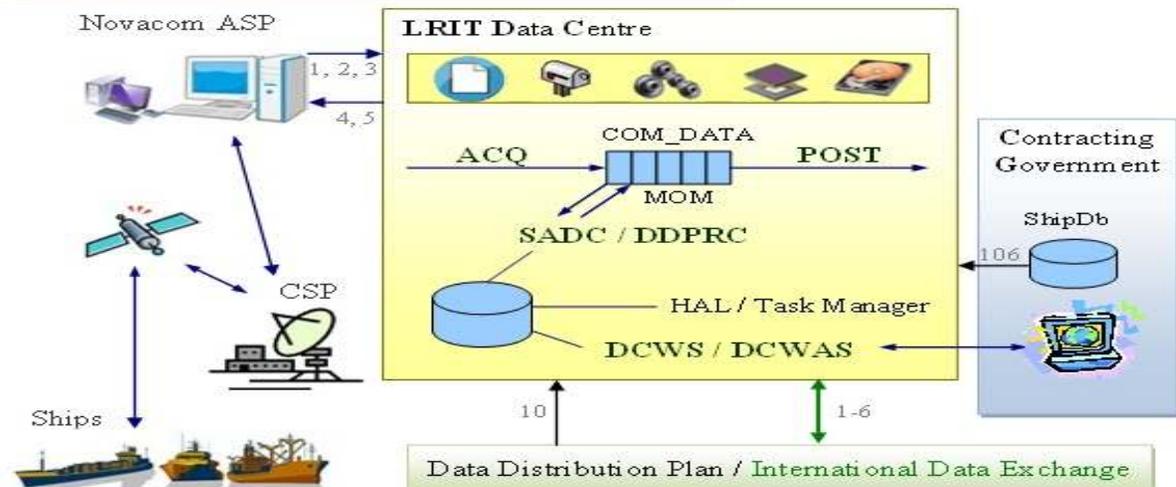
http://app1.emsa.lrit.cls.fr:8080/taskmonitor/TM-lrit-prod.html

Task Monitor

TM pop-out - Wiki - Report - Web

## TASK LRIT EMSA monitor

Thu Apr 23 14:30:32 UTC+0200 2009  
[Refresh](#) - [Switch View](#)



The diagram illustrates the data flow and components of the LRIT Data Centre. On the left, Novacom ASP and Ships are connected to the CSP (Communication Service Provider). The LRIT Data Centre (yellow box) receives data via ACQ (1, 2, 3) and sends data via POST (4, 5). Inside the LRIT Data Centre, data flows through COM\_DATA, MOM, SADC/DDPRC, HAL/Task Manager, and DCWS/DCWAS. The LRIT Data Centre is connected to the Contracting Government (ShipDb) via a bidirectional link (106) and to the Data Distribution Plan / International Data Exchange via a bidirectional link (1-6). A bidirectional link (10) also connects the LRIT Data Centre to the Data Distribution Plan / International Data Exchange.

EMSA LRIT Data Centre

CLS

Contracting Government

ShipDb

DCWS / DCWAS

HAL / Task Manager

SADC / DDPRC

MOM

COM\_DATA

POST

ACQ

Novacom ASP

CSP

Ships

Data Distribution Plan / International Data Exchange

This page is made with information extracted from :  
 Title : LRIT EMSA - URL : <http://217.108.178.72:8080/taskmanager>  
 Current file : <http://217.108.178.72:8080/taskmanager/levelia/taskmanager.last.csv>

Terminé

Intranet local

100%

## Next steps

- Finalizing CoU signing process with all MS and OCT
- Finalizing and signing the Service Level Agreement with IMSO (audit)
- Implementing the operational procedures between CLS - EMSA MSSO – MS Operational contact
- Implementing the procedures for invoicing and billing
- Integration of EU DC in the international/production LRIT environment
- MS to check with IMO that the original letters were received at IMO otherwise integration into production environment might be denied by IMO
- Going on-line by end of May – beginning of June 2009 (during MSC 86)

