

# EU LRIT Data Centre System Architecture

**1<sup>st</sup> LRIT Expert Group Meeting**  
**25-26 February 2008**

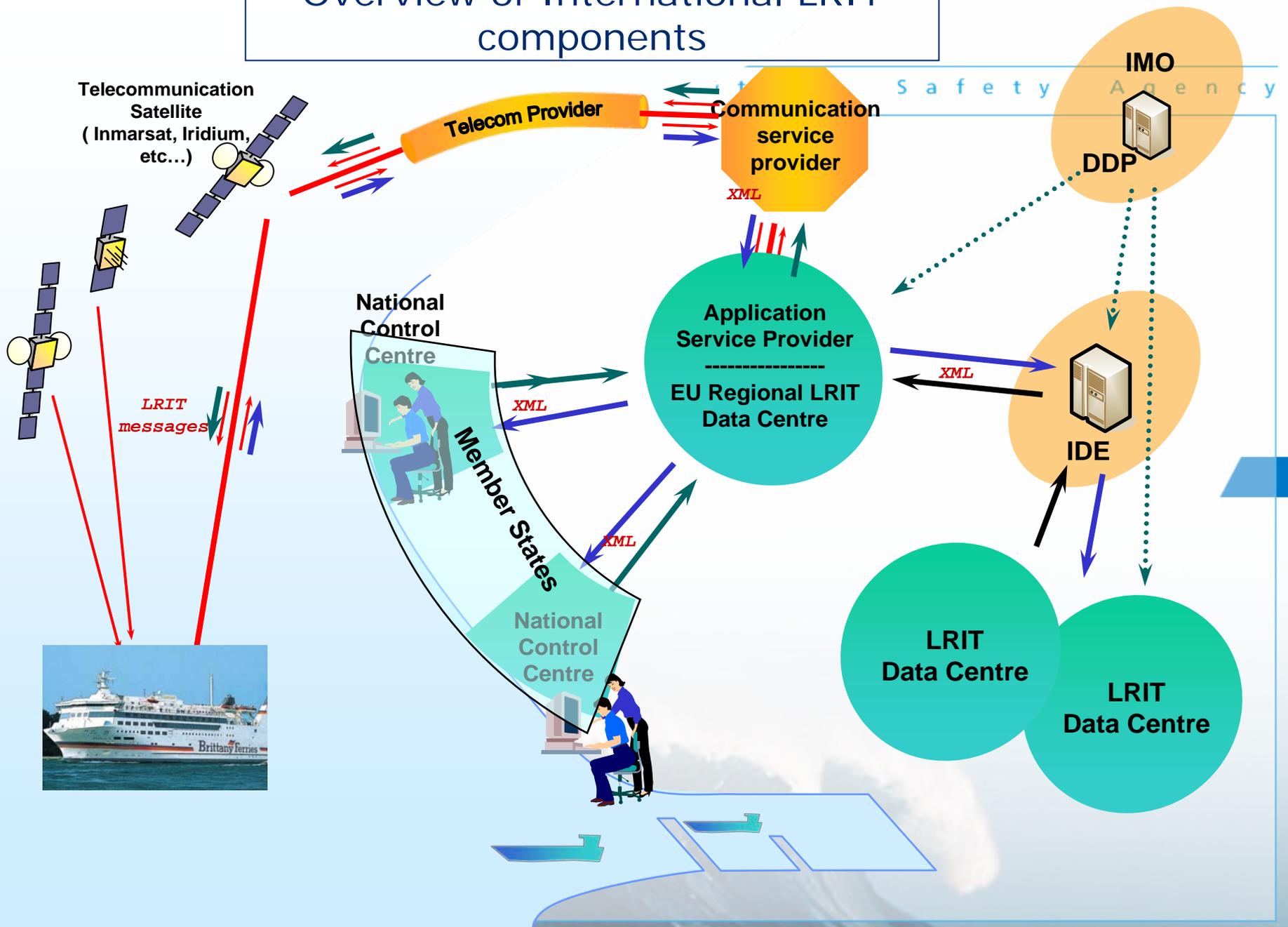
Yannick Texier  
LRIT Task Force

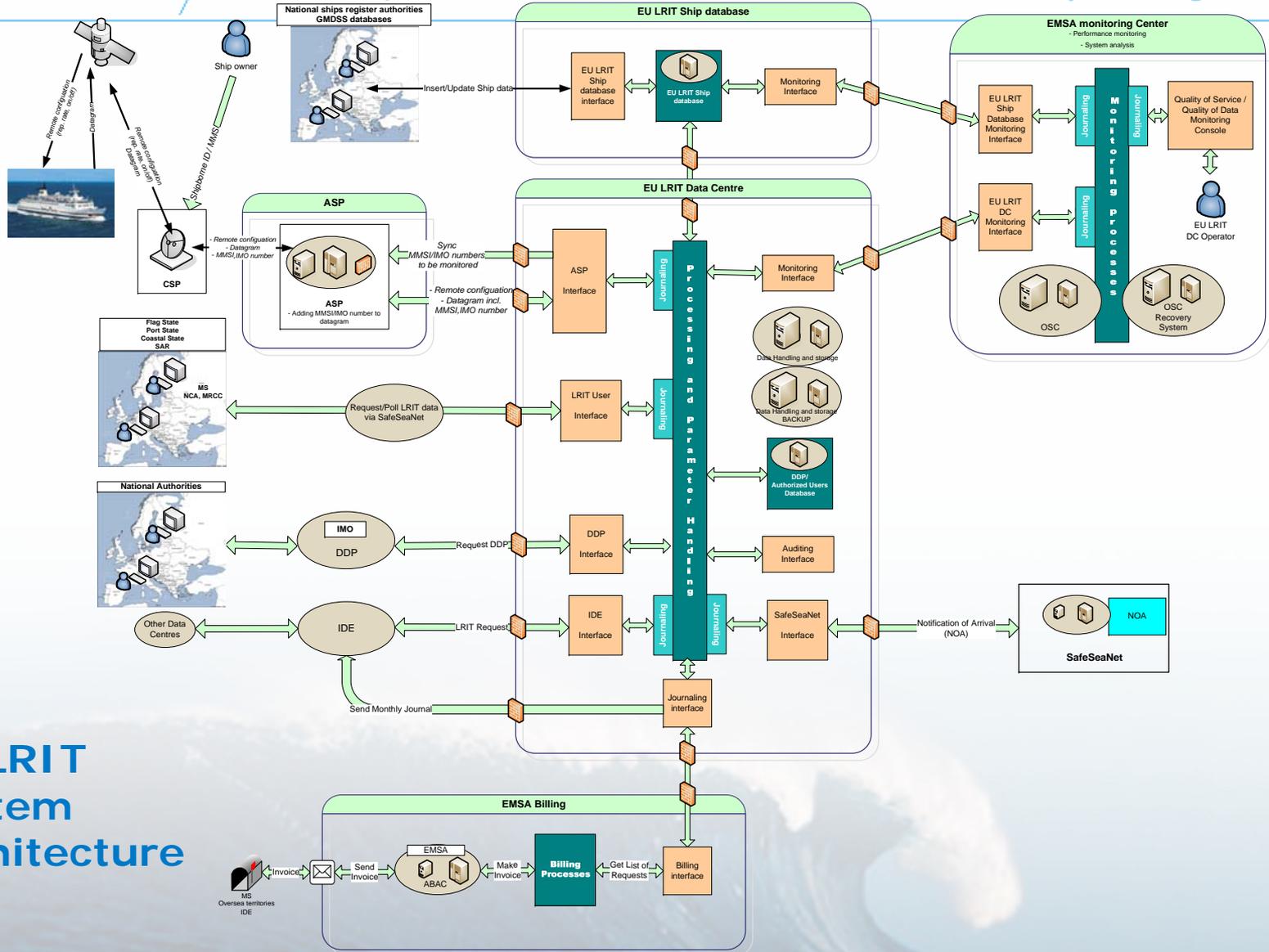
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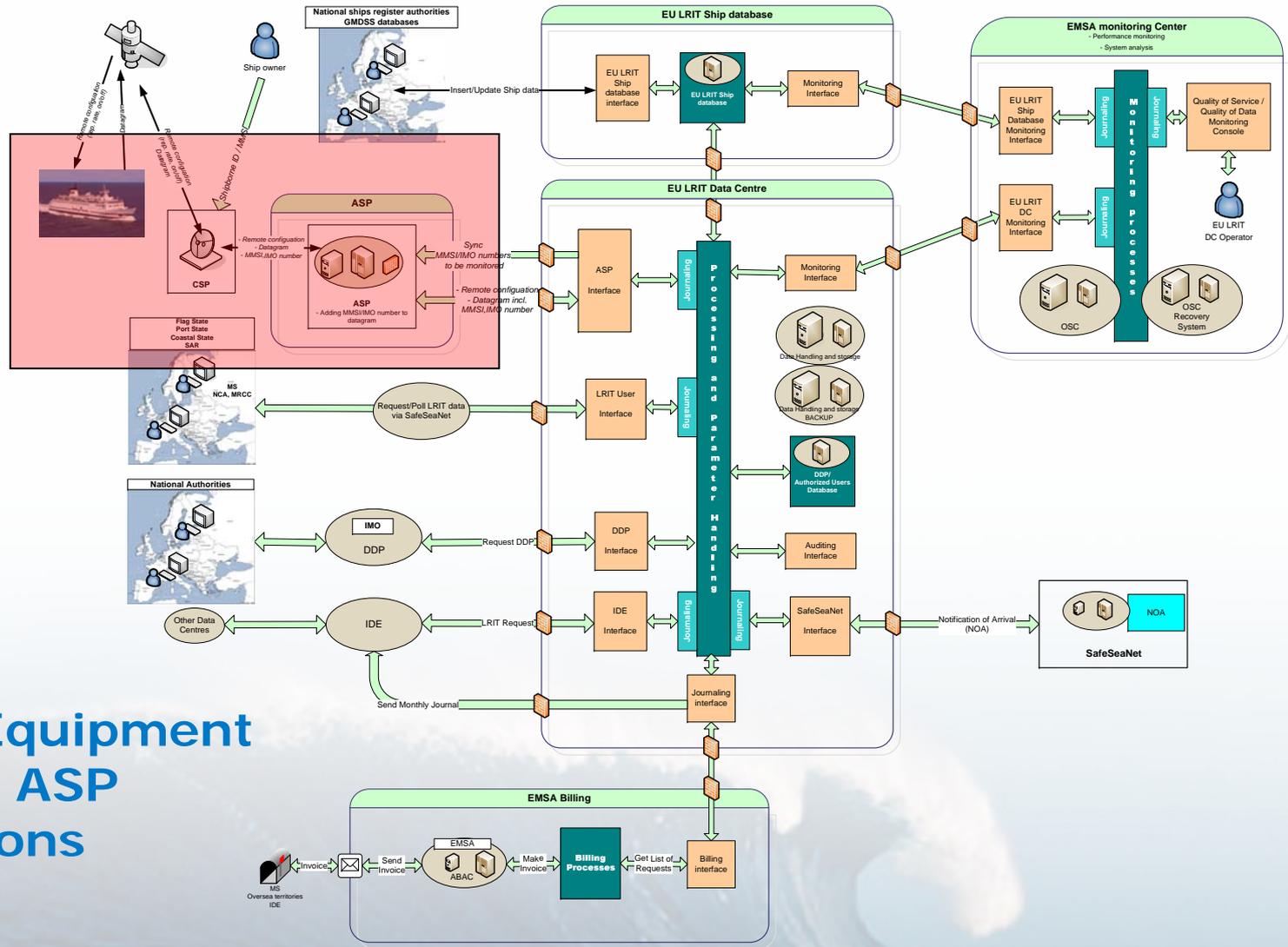


# Overview of International LRIT components



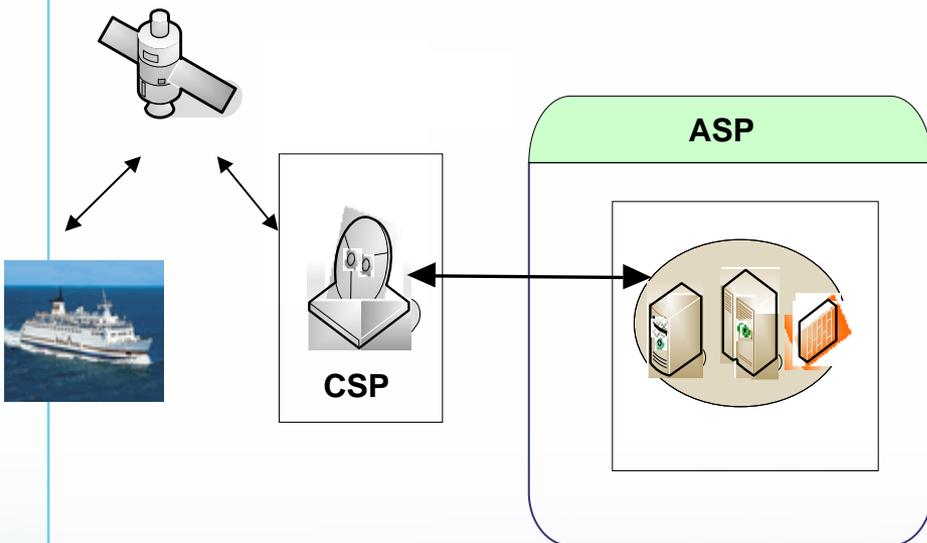


# EU LRIT System Architecture



# Ship Equipment CSP & ASP functions

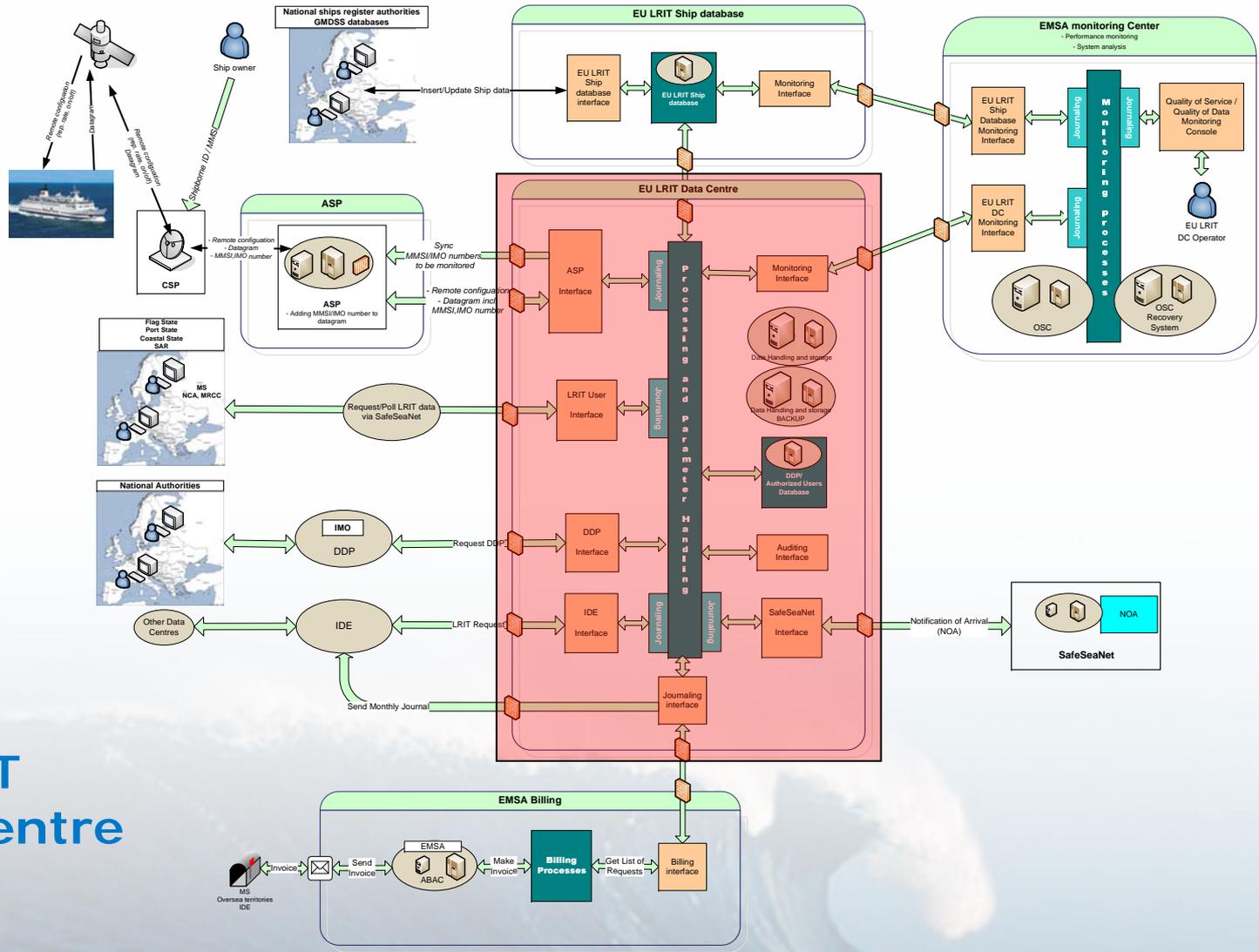
# Shipborne equipment, CSP & ASP



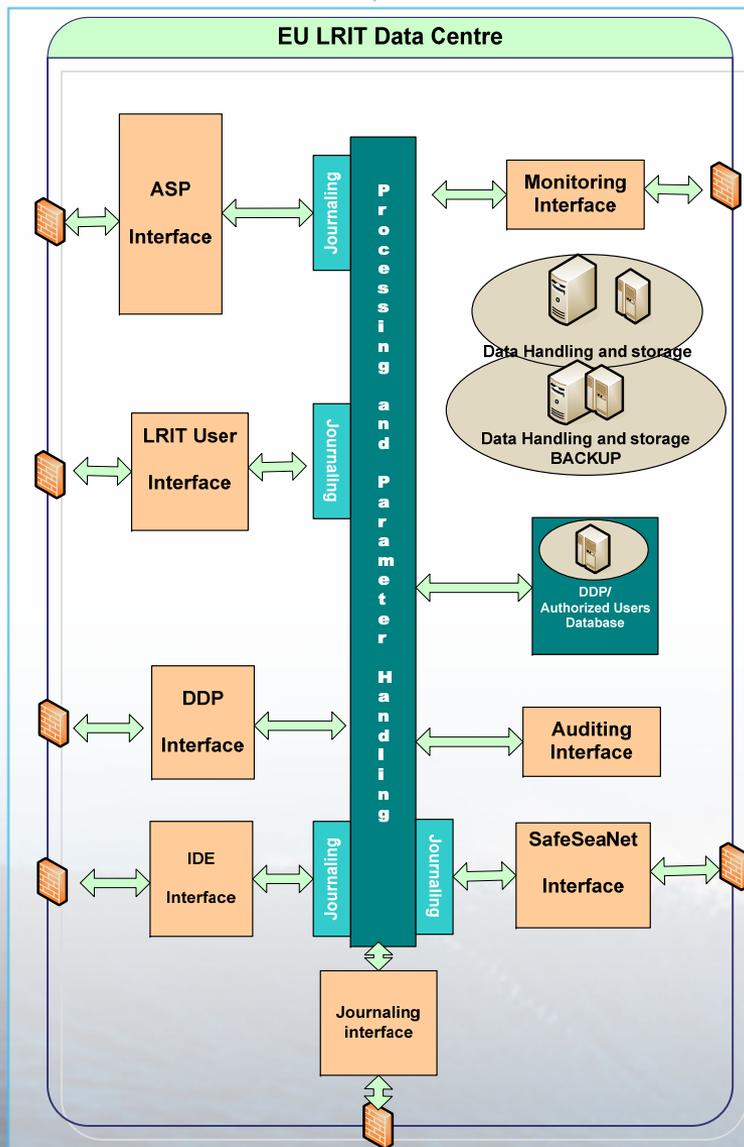
**ASP functions  
will be  
outsourced  
following public  
procurement**

## Basic ASP functions

- Remote Integration shipborne equipment into DC
- Ensure LRIT messaging
- Route LRIT message in secure manner
- Complete the ship identification



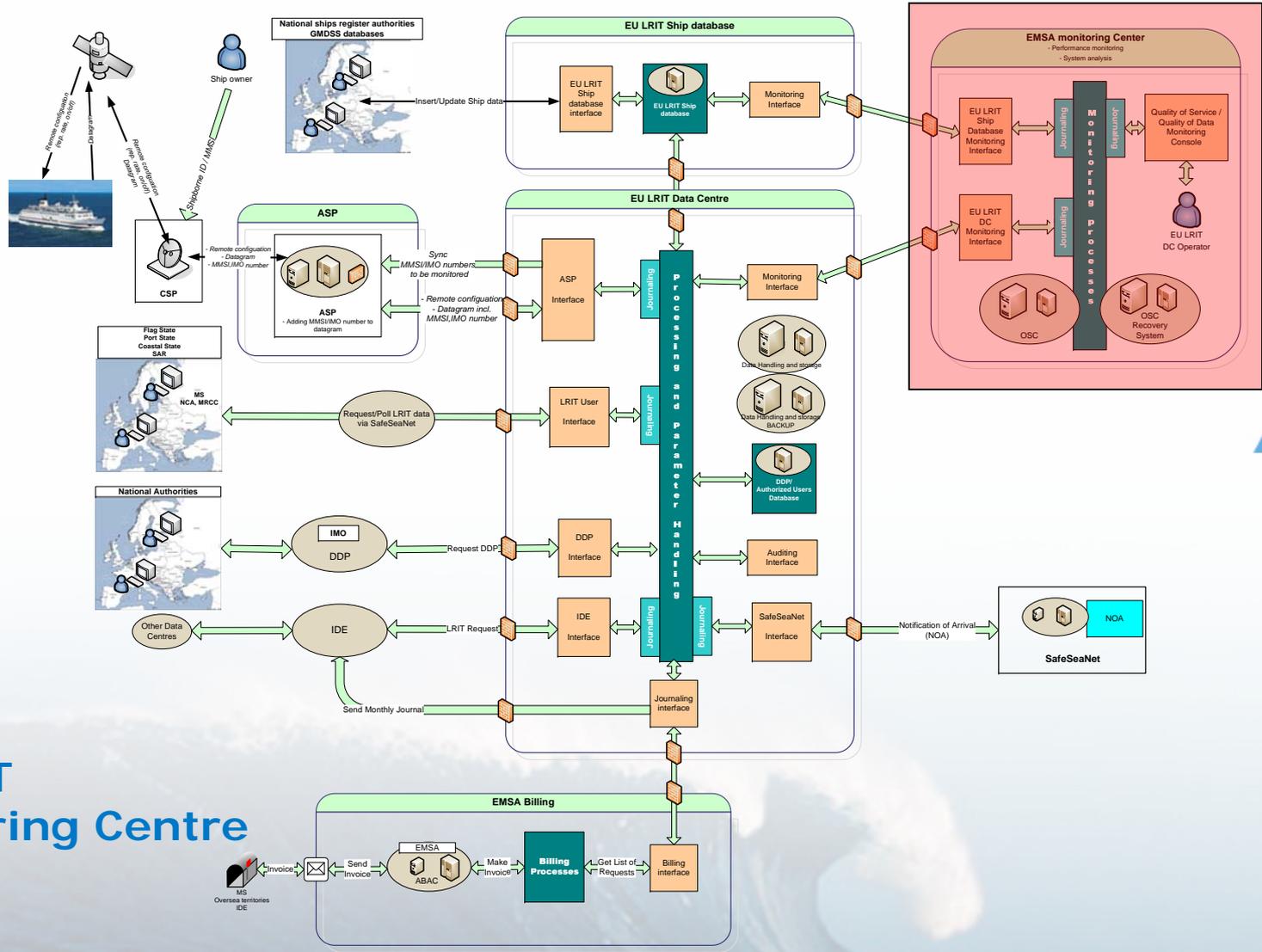
# EU LRIT Data Centre



## EU LRIT Data Centre

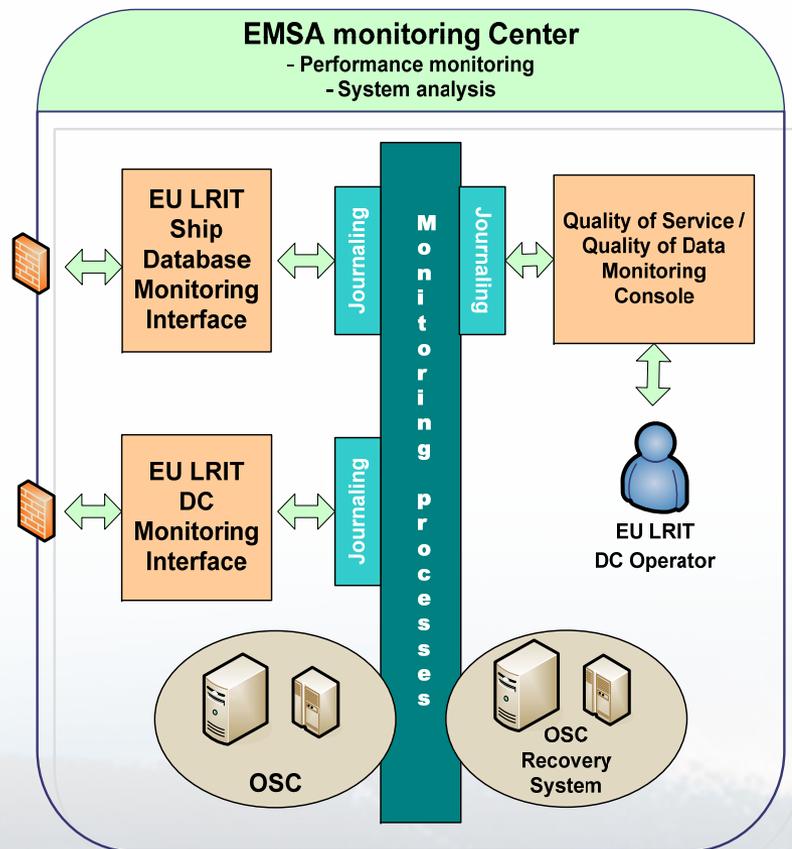
- To collect, store, & archive LRIT reports received from ASP
- Interface with ASP, IDE, DDP as well as EU LRIT Monitoring Centre
- Support auditing, invoicing and billing and maintain journals
- Distribution LRIT information to EU MS via Web based interface also accessible via SSN (hyperlink)

**DC outsourced following public procurement**



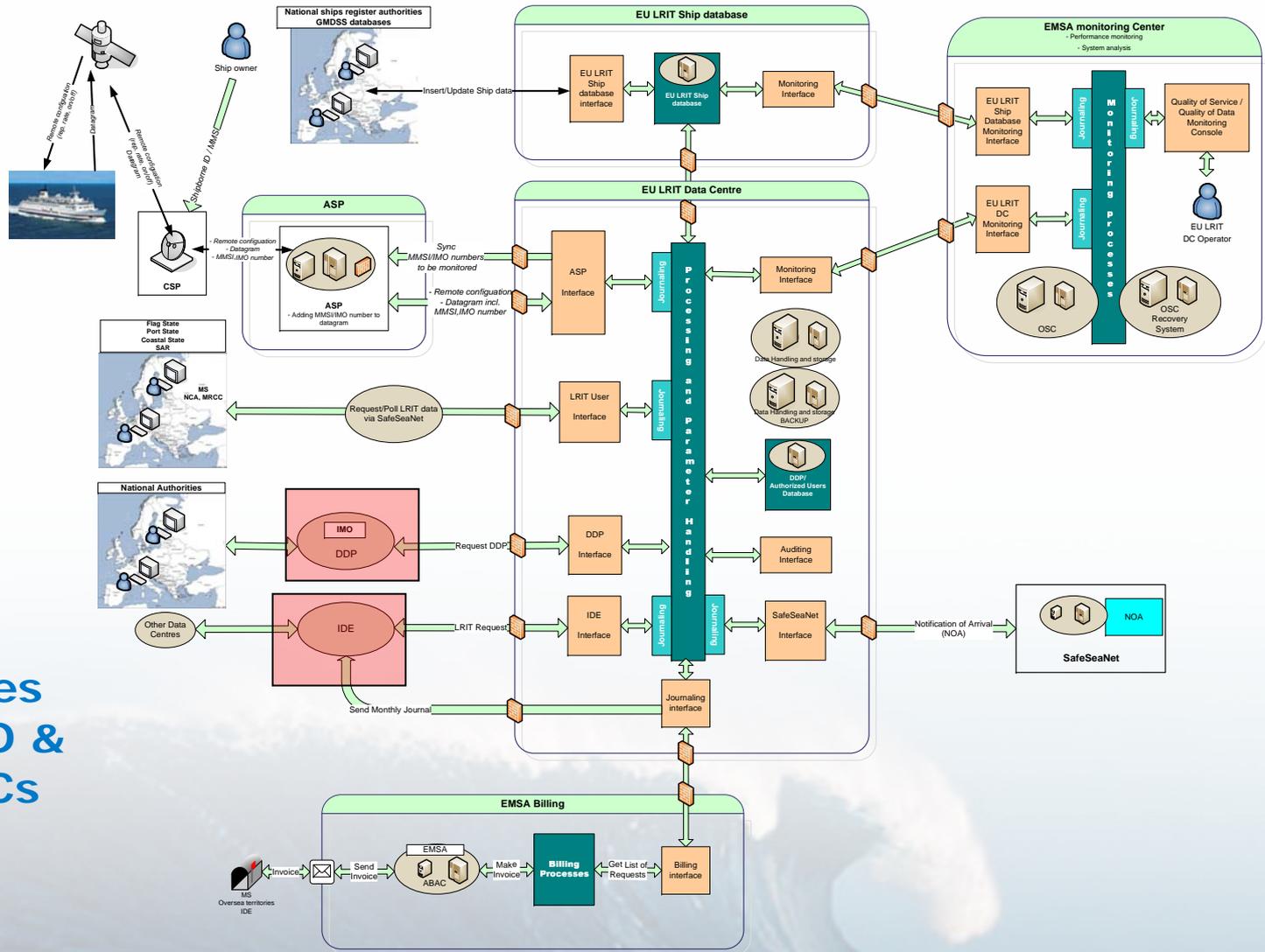
# EU LRIT Monitoring Centre

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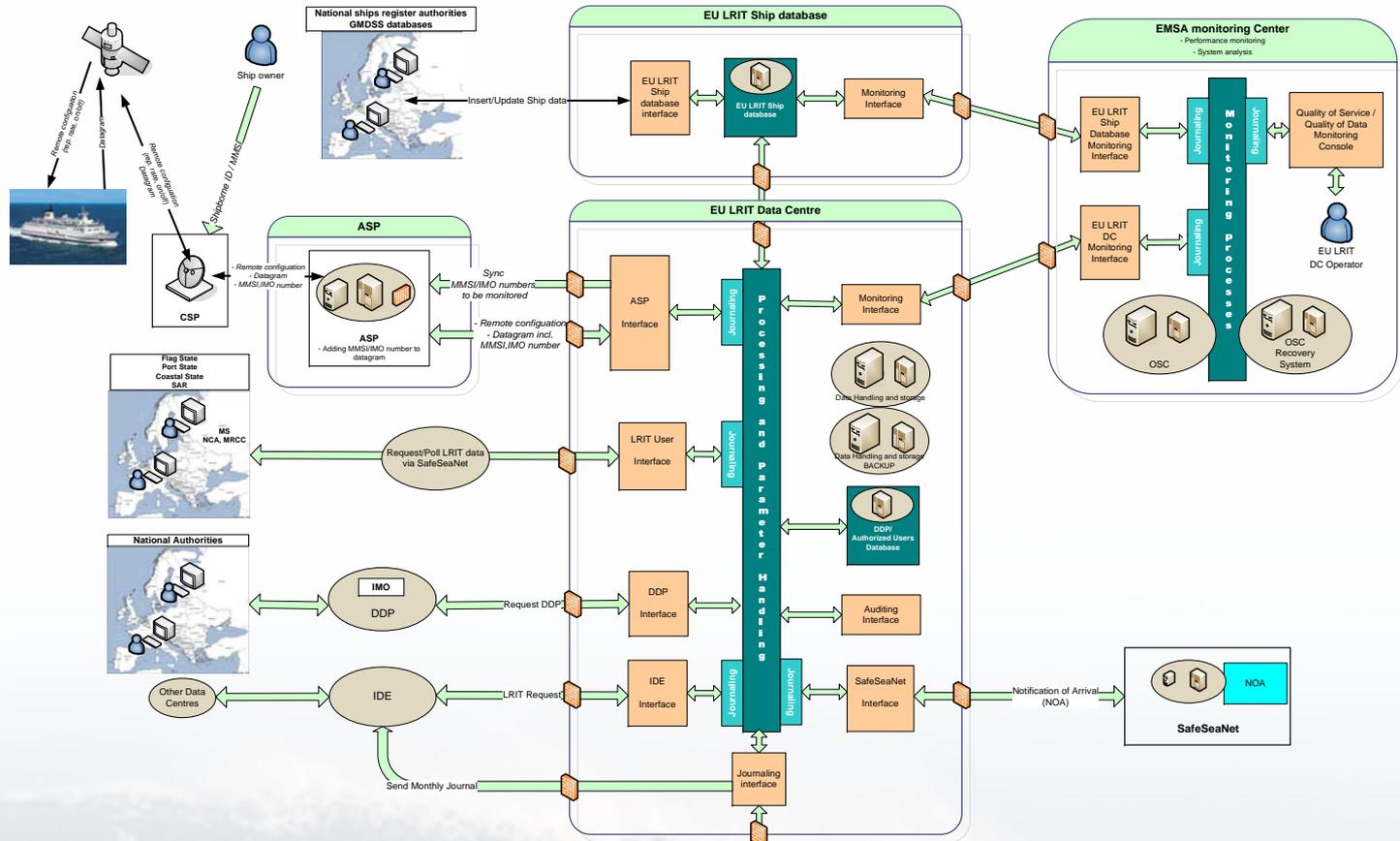


MC Interface to be tendered

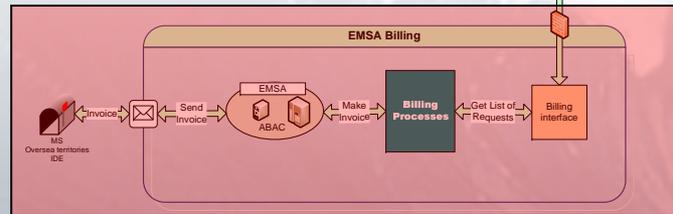
- MC to monitor quality of service and data within EU LRIT DC & Ship DB:
  - System monitoring (HMI)
  - QoS >95% over 24h and 99% over 1 month
  - Reporting Ship Stop transmitting
  - Maintain operational contacts, etc...
- Will include 24 h/day operators to monitor system as required by IMO



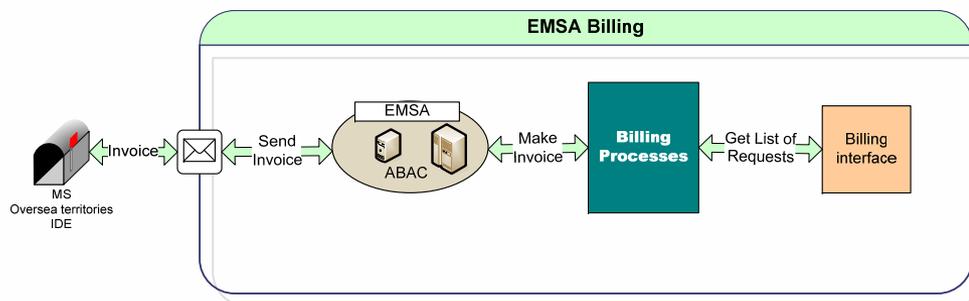
## Interfaces with IMO & IDE & DCs



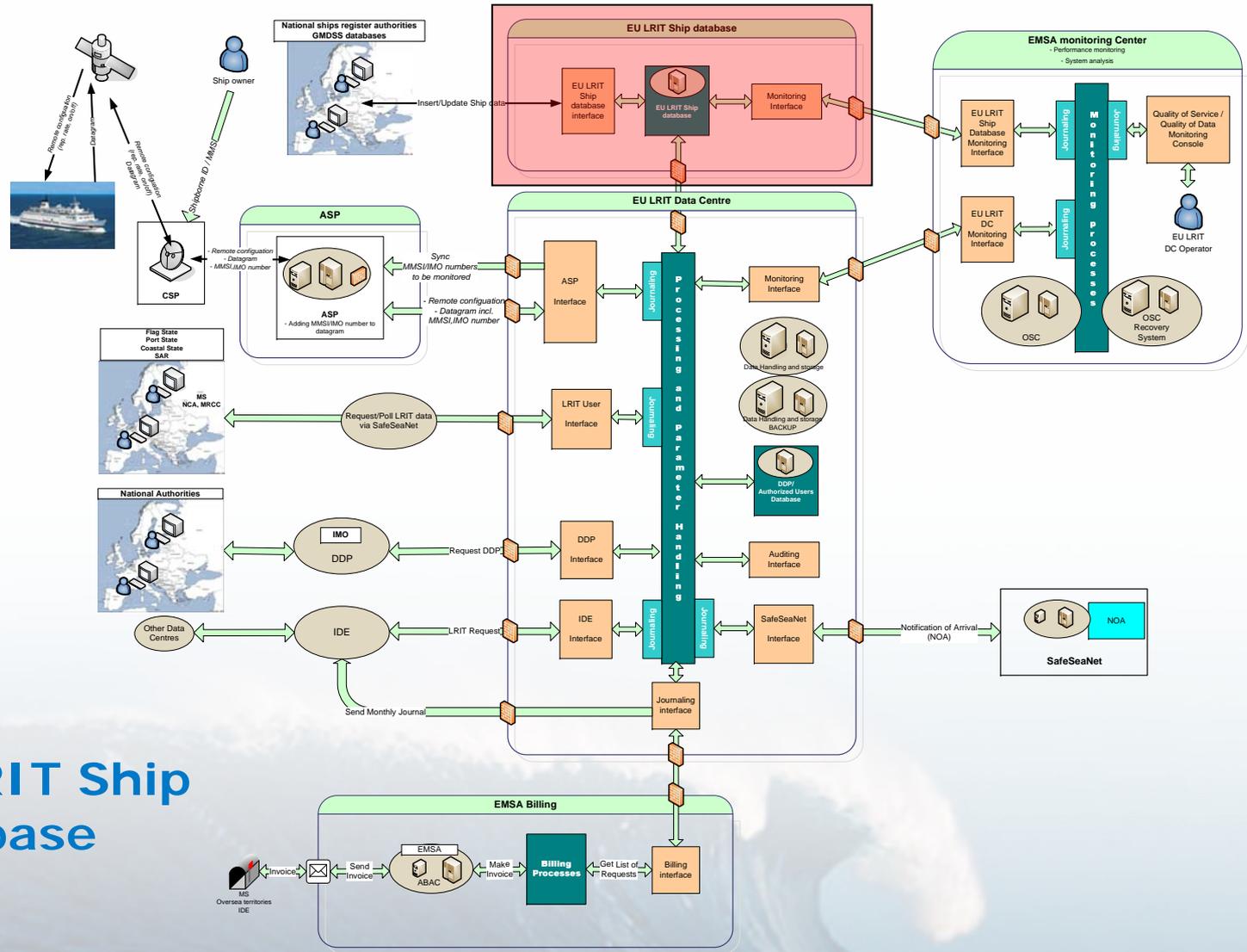
## EMSA Billing



# Invoicing & Billing System

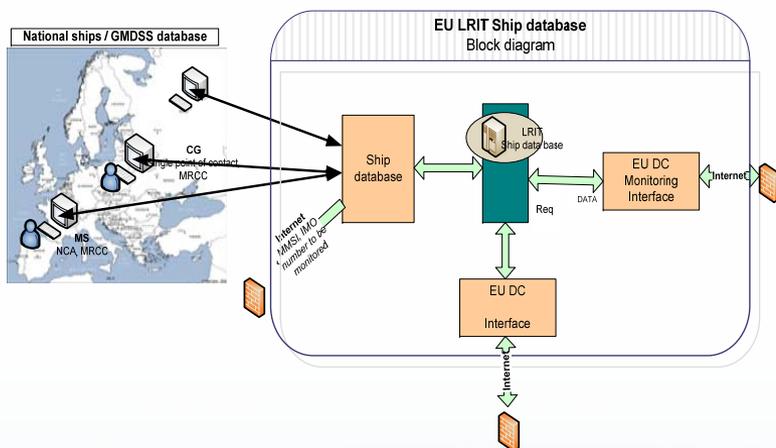


- International cost modalities still to be refined, price list part of DDP, clearance needs to be discussed (message balancing)
- EU LRIT DC has to invoice more than 4 messages per day per ship for MS Flag States
- EU LRIT DC has to invoice Overseas Territories & Third states requesting LRIT messages
- MS will have to pay for LRIT messages received via IDE from other LRIT DCs (non EU flagged vessels)
- EU LRIT DC will receive income for messages of EU flagged vessels requested by other LRIT Data Centres



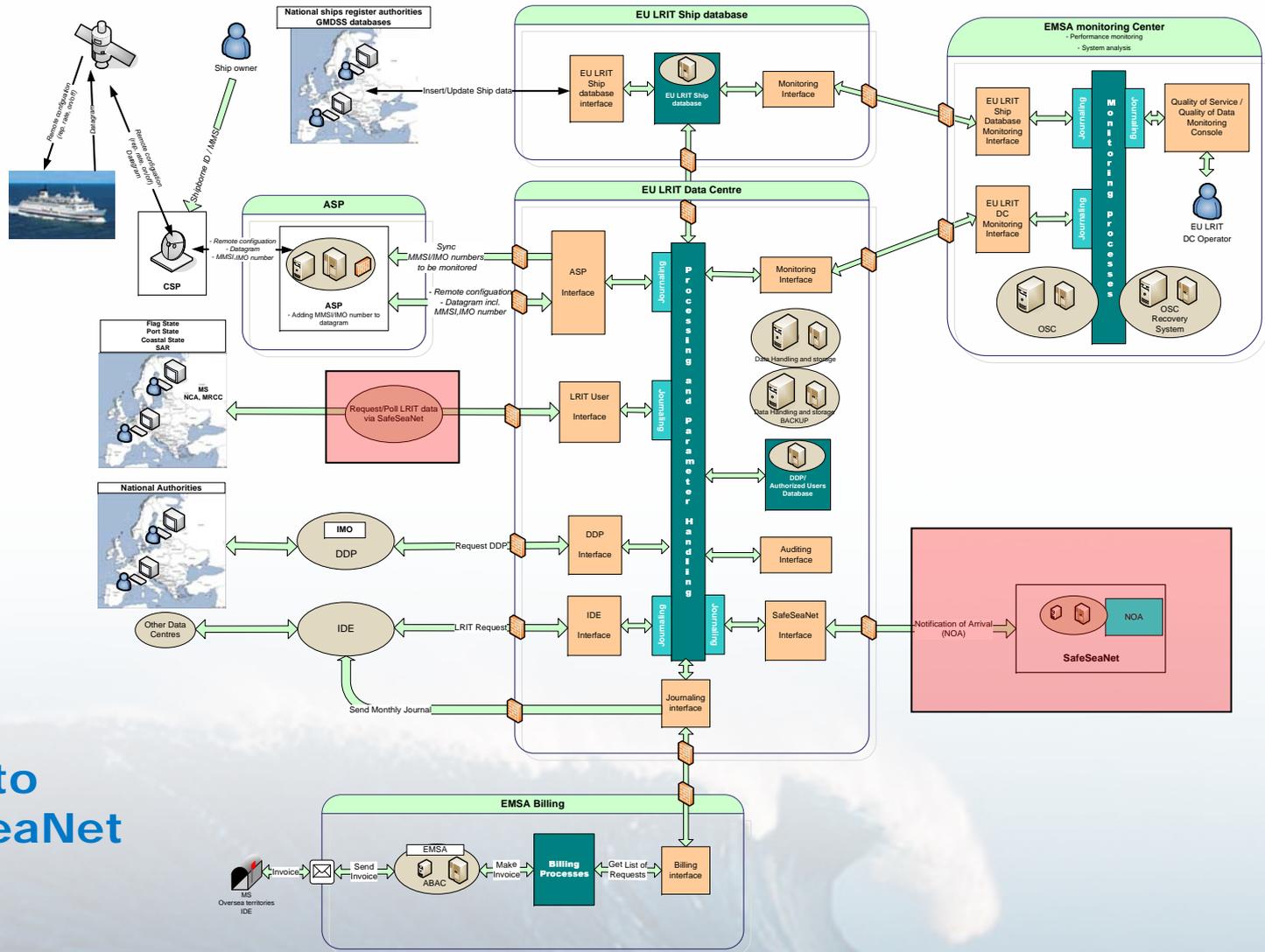
# EU LRIT Ship Database

# EU LRIT Ship Database Register



EU LRIT Ship database to be developed by EMSA within the framework of SafeSeaNet

- MS permanent access to populate the database via SSN Web interface (Single window)
- Regular update of the registration database from national GMDSS (IMO Res. A887 (21) )
- Access Rights: Only MS/Flag States define ships instructed to report to EU DC
- EMSA provides updated list of ships to ASP/DC

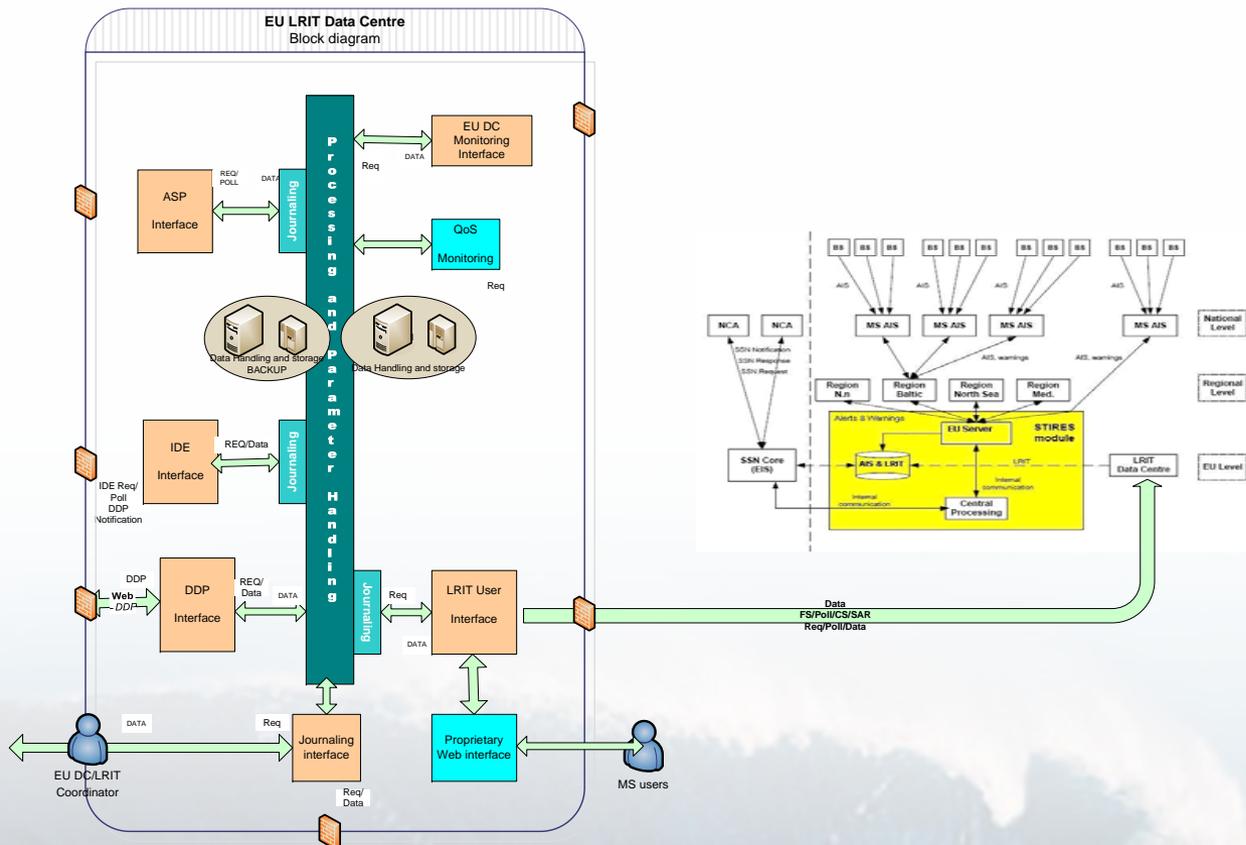


Links to SafeSeaNet

## Links between LRIT & SSN & STIRES

- EU LRIT DC accessible by EU MS using web based application via SSN
- MS populate Ship Database via SSN interface
- Use Notification of Arrival from SafeSeaNet (TBD)
- Planned distribution of LRIT report through STIRES/SSN
- Preparation for future integration of LRIT into SSN

# Link between LRIT & SSN & STIRES



- **Thanks for your attention**
- **Question ??**

