



SafeSeaNet

the

European platform

for maritime data exchange



Directive 2002/59/EC

“Establishing a Community Vessel Traffic Monitoring and Information System “

Article 23 „Cooperation between Member States and the Commission“

Article 14 „Computerised exchange of data between Member States“

*Article 29 „Compliance of Memberstates laws, regulations, .. with
Directive 2002/59 up to 05. February 2004 “*

Short-term objective :

To set-up a telematic network between the maritime administrations/bodies of Member States in order to facilitate the implementation of EC maritime safety legislation

Longer-term objective :

To set up a European platform for maritime data exchange making available to a large number of maritime users all relevant information concerning ships movements and their cargoes



SafeSeaNet is a high available System

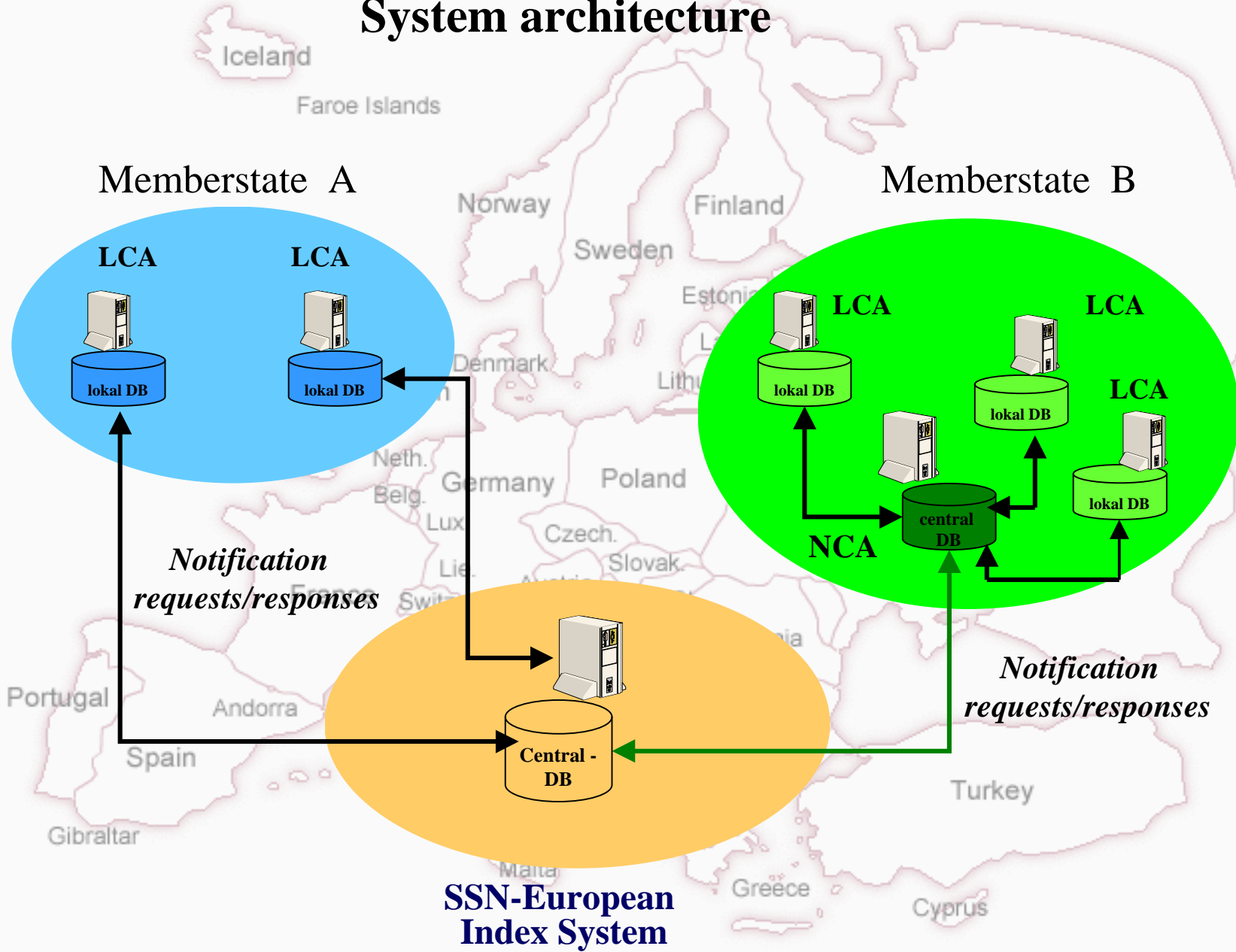
[7 * 24h/day – 365 days/year];

SafeSeaNet : Message structure in principle

- *Notification* sent by Member States when they have information to notify the SafeSeaNet - European Index Server (SSN-EIS)
- *Request* sent by Member States to the SSN - EIS when they need information
- *Receipt* confirmation sent by the SSN-EIS ,
- *Response* Response sent by Member States to another user by the SSN-EIS when they were asked to respond to a request

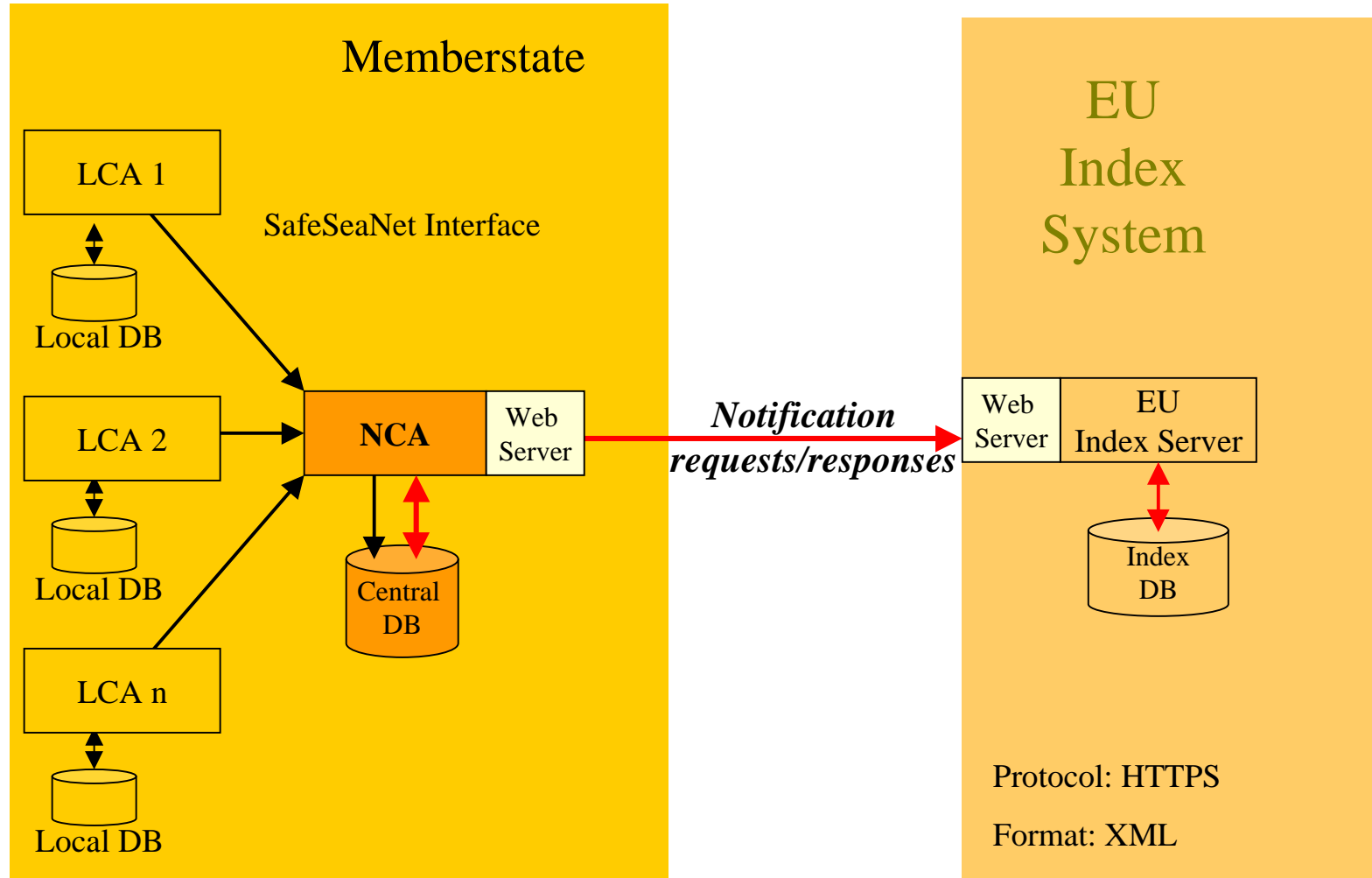


System architecture



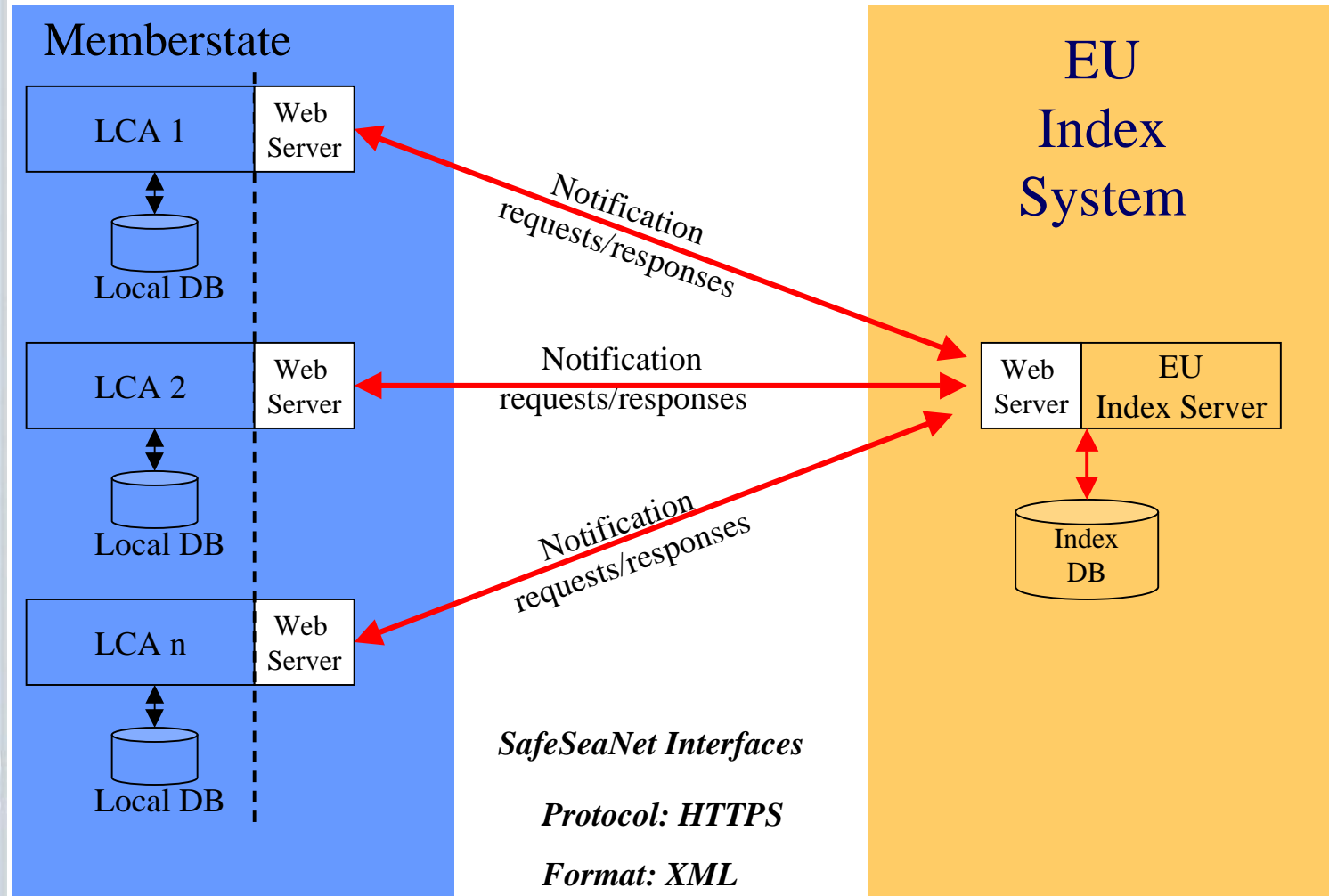


Dataexchange via Single Point of Contact (SPOC)



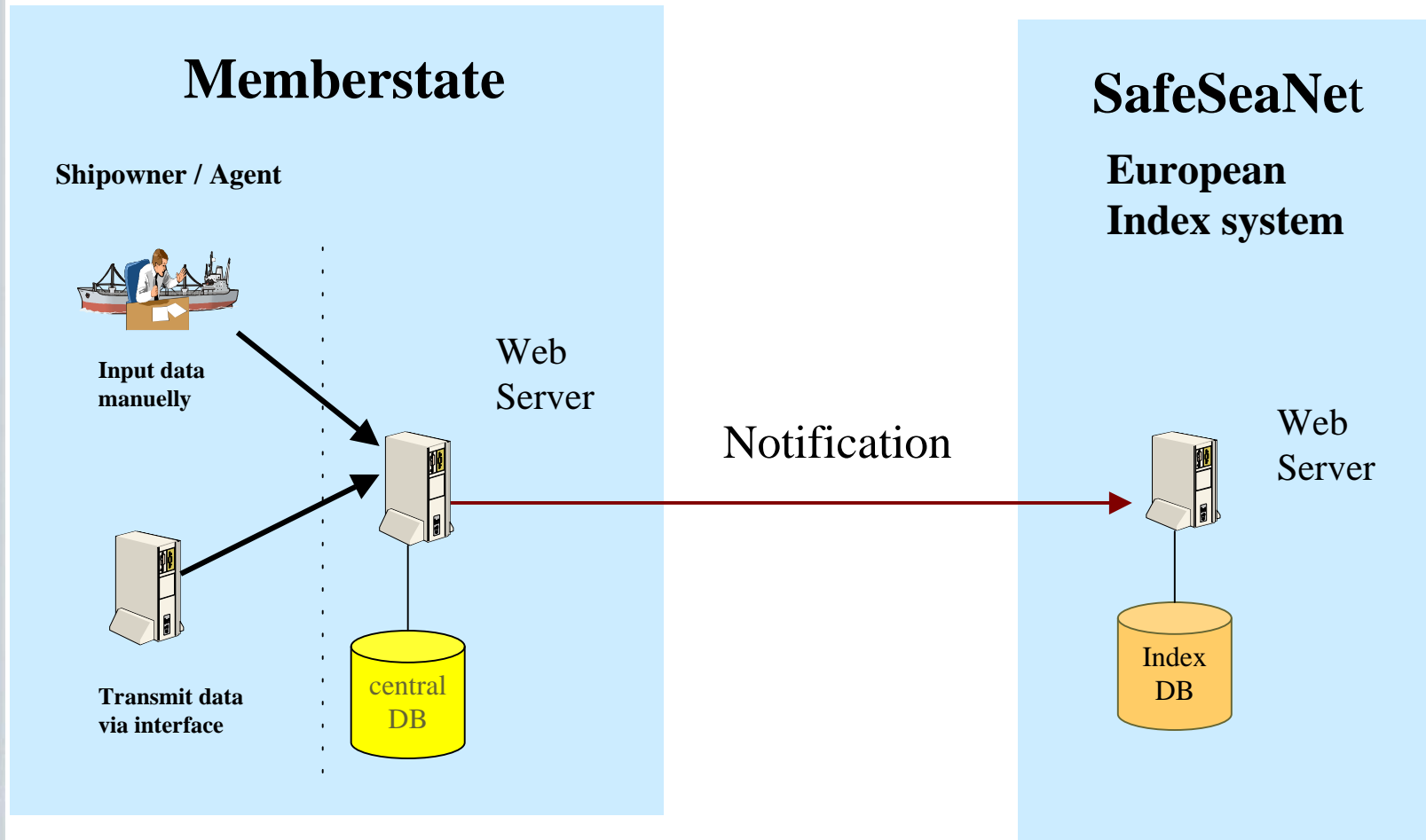


Dataexchange via Multiple Point of Contact (MPOC)



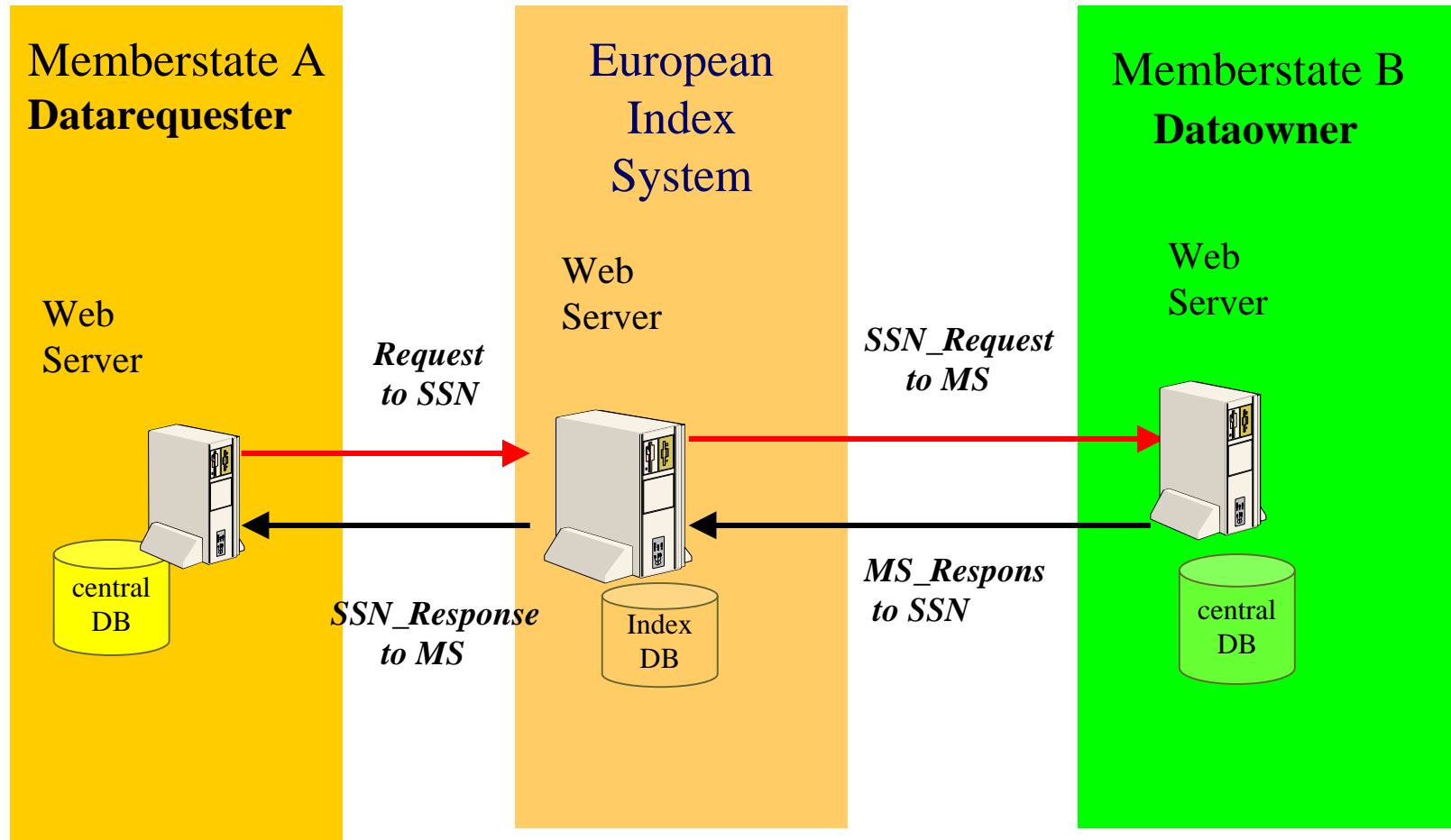


MessageTyp Notification *(Dataflow in dependance on SSN - ICD)*





Messagetyps Request / Response (*Dataflow SSN - Memberstate in Case of accident or incident*)





SSN - Messages regarding Directive 2002/59 EG

SSN message **Hazmat** (**Dangerous goods**)

Article 12 , Annex I „Information to be notified in accordance with article 12 - cargo information “

SSN message **Ship** (MRS /AIS)

Article 5 , Annex I Nr.4 „Monitoring of ships entering the area of mandatory ship reporting systems“

SSN message **Port**

Article 4 related to Annex I Nr.1 „Notification prior to entry into ports of the Member States“

SSN message **Waste**

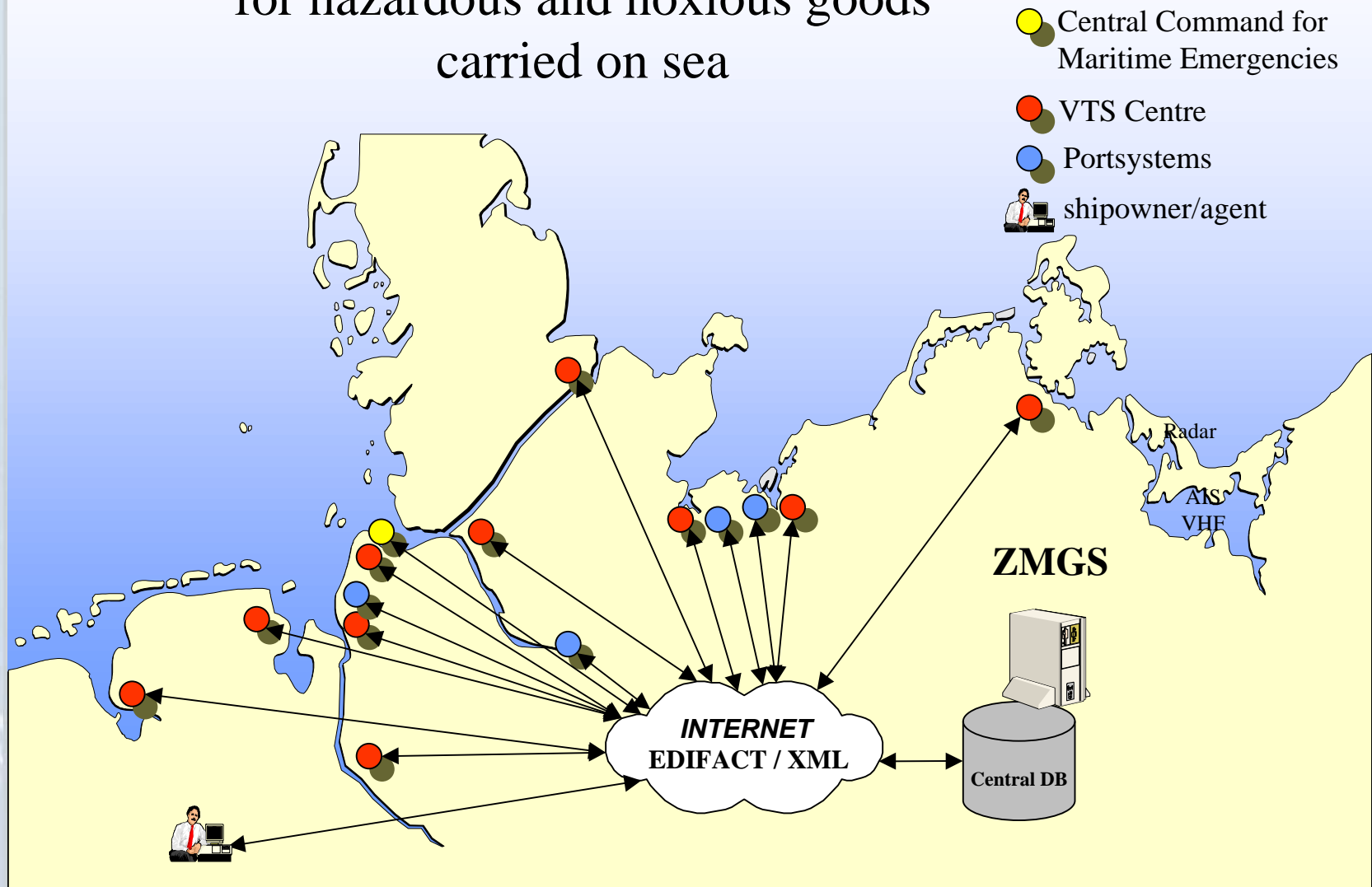
Article 14, Annex III „ port reception facilities for ship-generated waste and cargo residues“

SSN message **Alerts**

Article 16 „Transmission of information concerning certain ships“ and 17 ff „Reporting of incidents and accidents at sea“

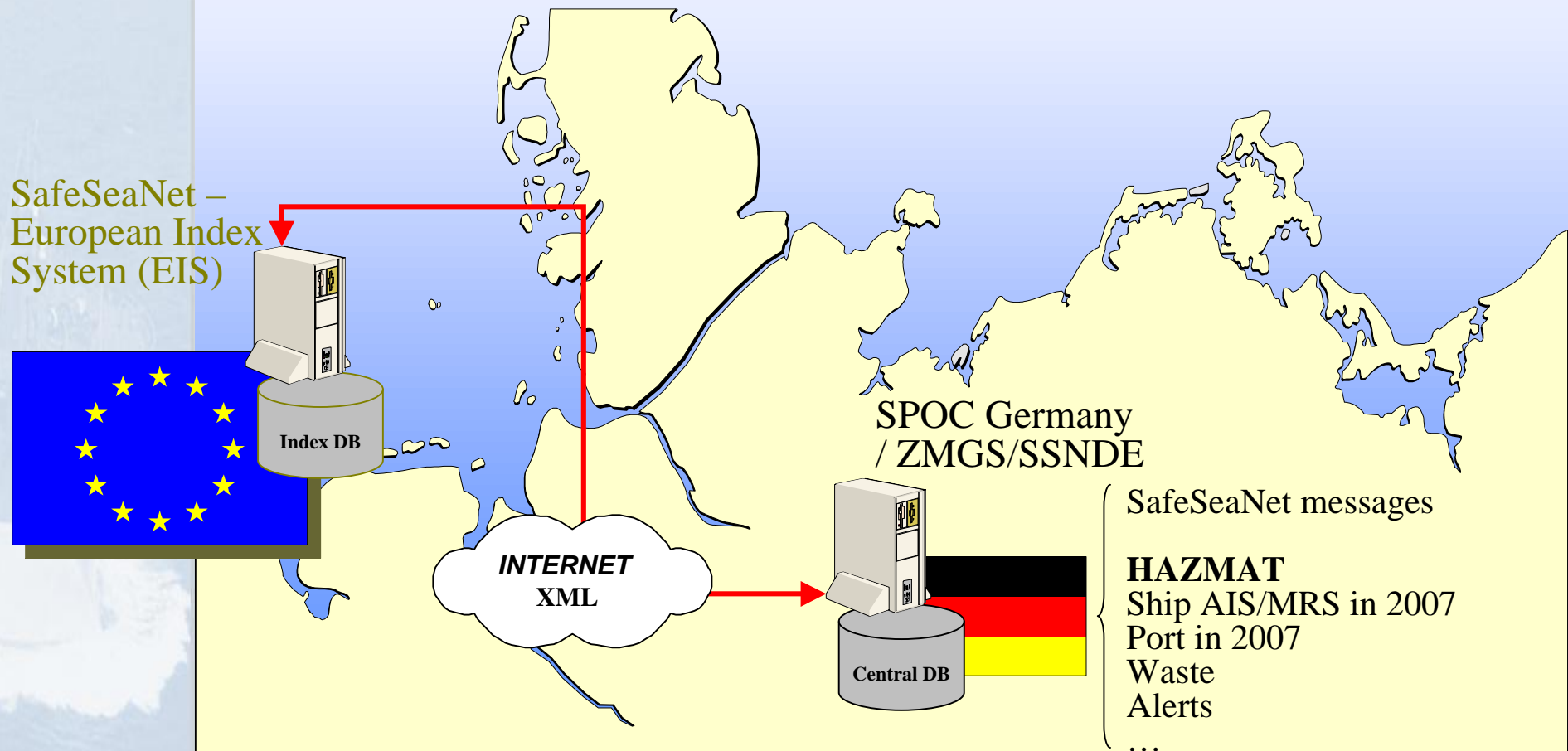


ZMGS - Central Reporting system of the Federal Republic of Germany for hazardous and noxious goods carried on sea





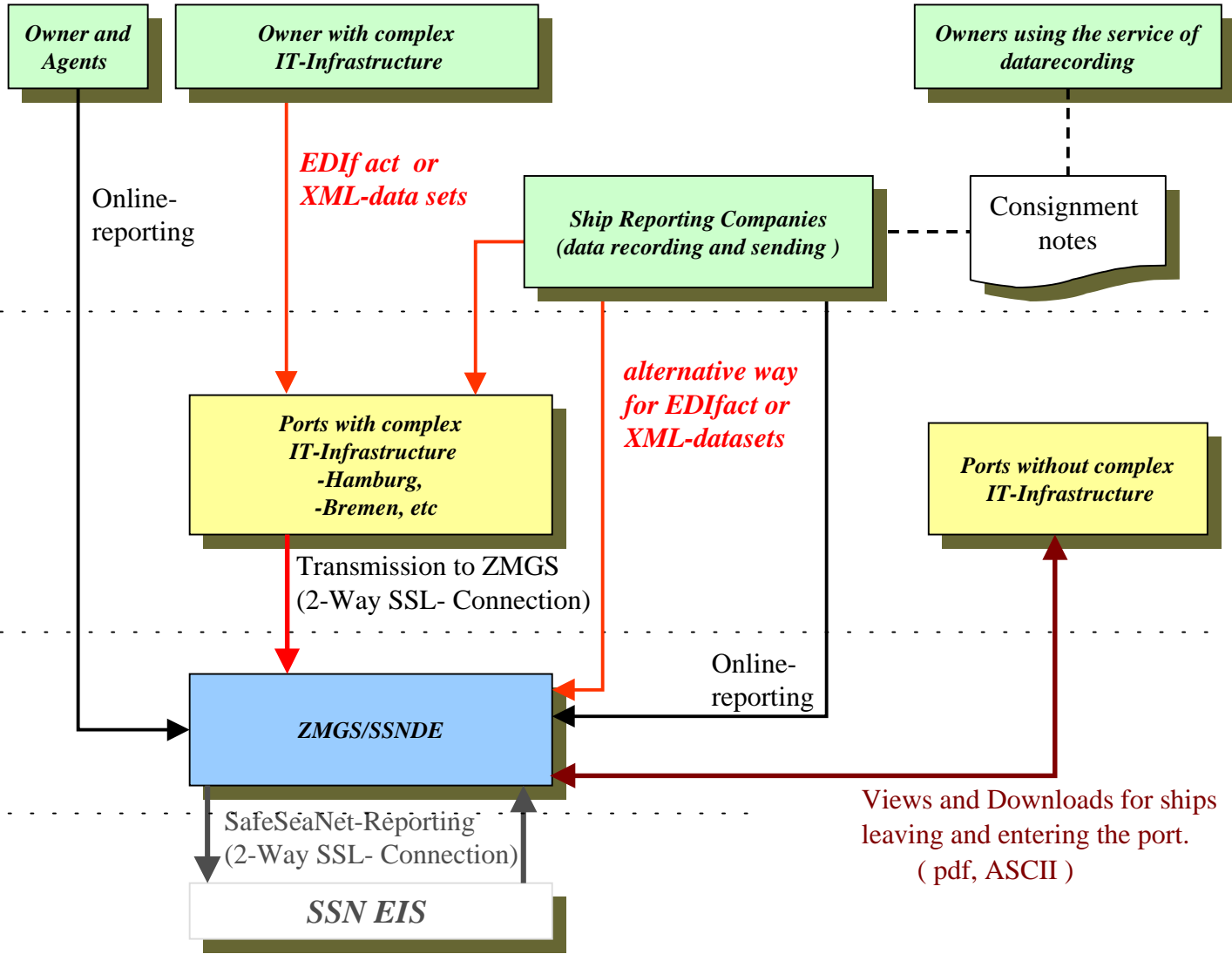
Single Point of Contact Germany (ZMGS/SSNDE) connected to SafeSeaNet



Principal structure of HAZMAT reporting



**Shipowner,
Agents**



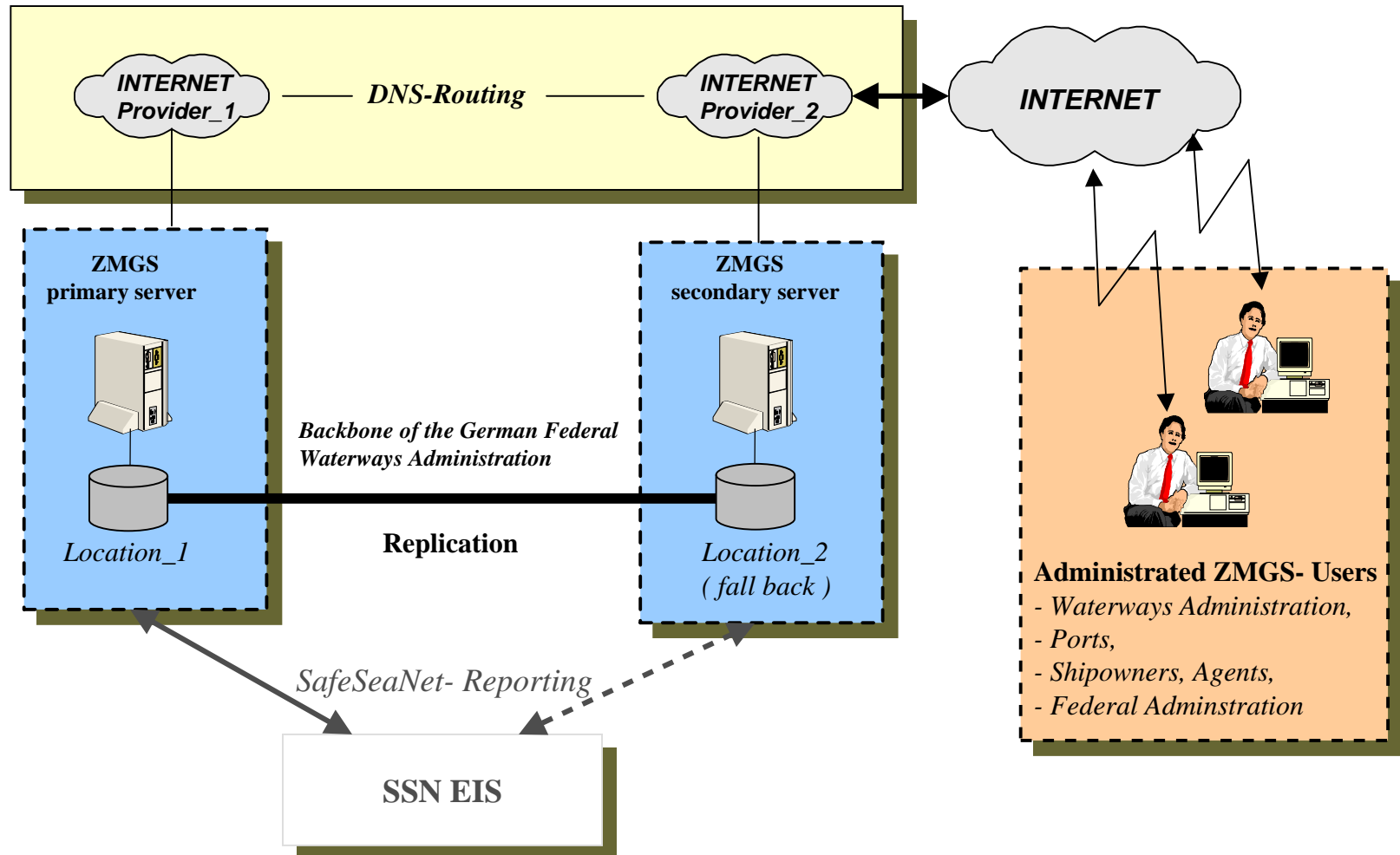
**LCA
Ports**

**German
SPOC**

SafeSeaNet



High availability IT-Infrastructure





Components and Features of ZMGS

Components

- Master data management for ships, ports, shipowners and agents,
- Dangerous goods data base TRANSEC with current IMO – amendments (IMDG-, IBC-, IGC- Codes and Marpol),
- Integrated Lloyds database with a three month update cycle,
- Implemented data base for all ships having been in German ports with references to Lloyds database,
- UN- Locode data base of ports,
- flexible user administration (password, roles, rights) in consideration of dataowner rights,
- Implementation of the database for accident management which is applied by the fire departments



ZMGS Statistics

ZMGS receives per day:

- more than 100 declarations of shipvoyages with dangerous or noxious goods by electronical data interchange (EDIFACT/XML)
- about 30 online declarations of shipvoyages with dangerous or noxious goods

ZMGS is used by:

- more than 200 registrated users (via web client)
- all German ports are connected to ZMGS
- Hamburg, Bremen, Bremerhaven, Rostock and Lübeck are linked with the German central system

ZMGS/SSNDE sent per day:

- about 110 HAZMAT Notification to the SSN EIS



Homepage of ZMGS – www.zmgs.de

German system for dangerous cargo at sea

Sprache ändern

Login

partnership

Username: Manuals

Password: Login Registration

to public Area

Info

Implemented by KISTERS