European Maritime Safety Agency

EU LRIT Data Centre

Overview of EU LRIT System Performance

19 October, 2009

EMSA

European Maritime Safety Agency

EU LRIT DC, figures

- 30 Contracting Governments (including 3 Overseas Territories)
- 7000+ ships
- 0.5 million position reports/month
- 300+ users

Status: 30 September 2009

Latency (EU DC)

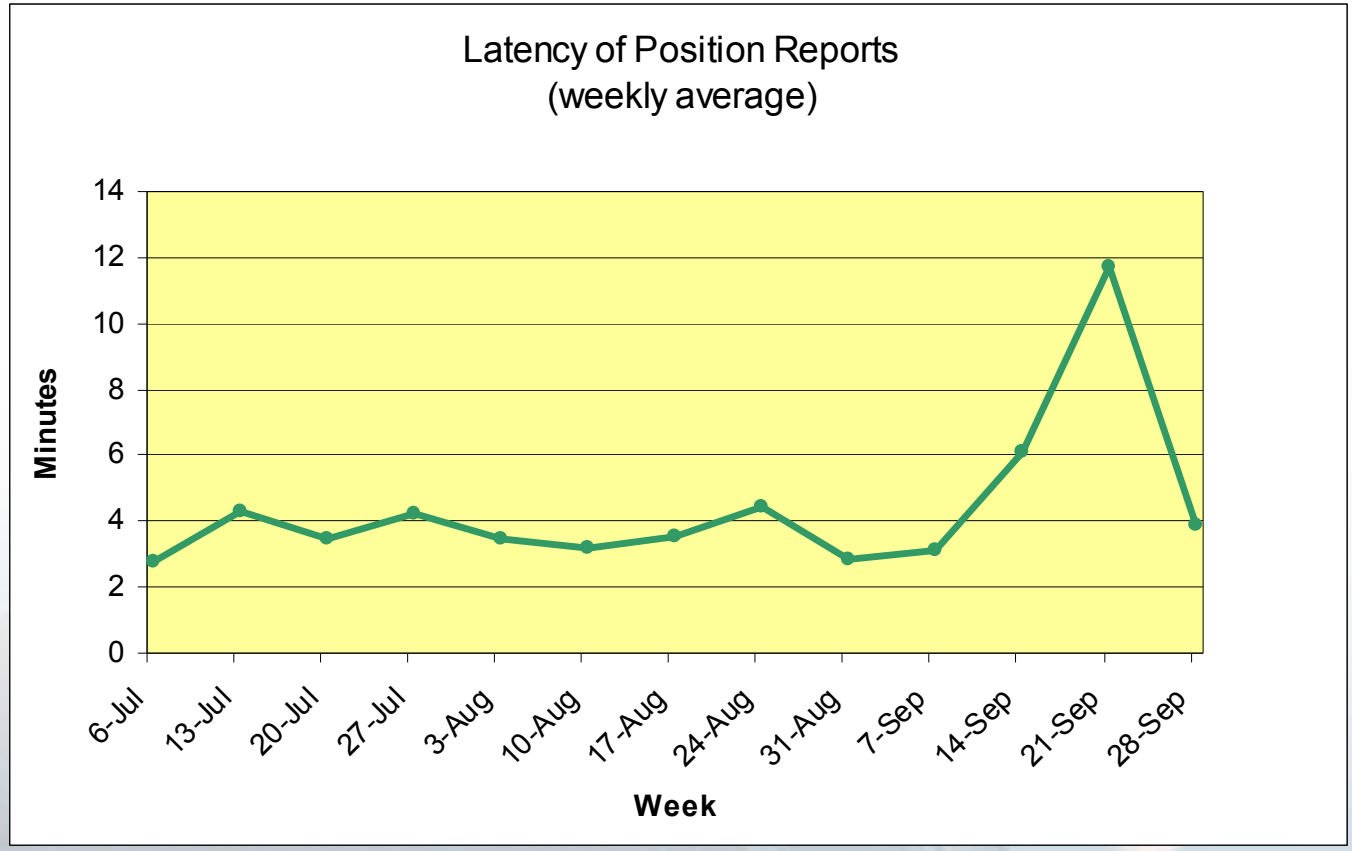
- Periodic Position Reports

Reference Period	Number of Position Reports	Latency (average)	IMO Requirement
6 Jul- 20 Sept 2009	~1,000,000	4.4 min	< 15 min

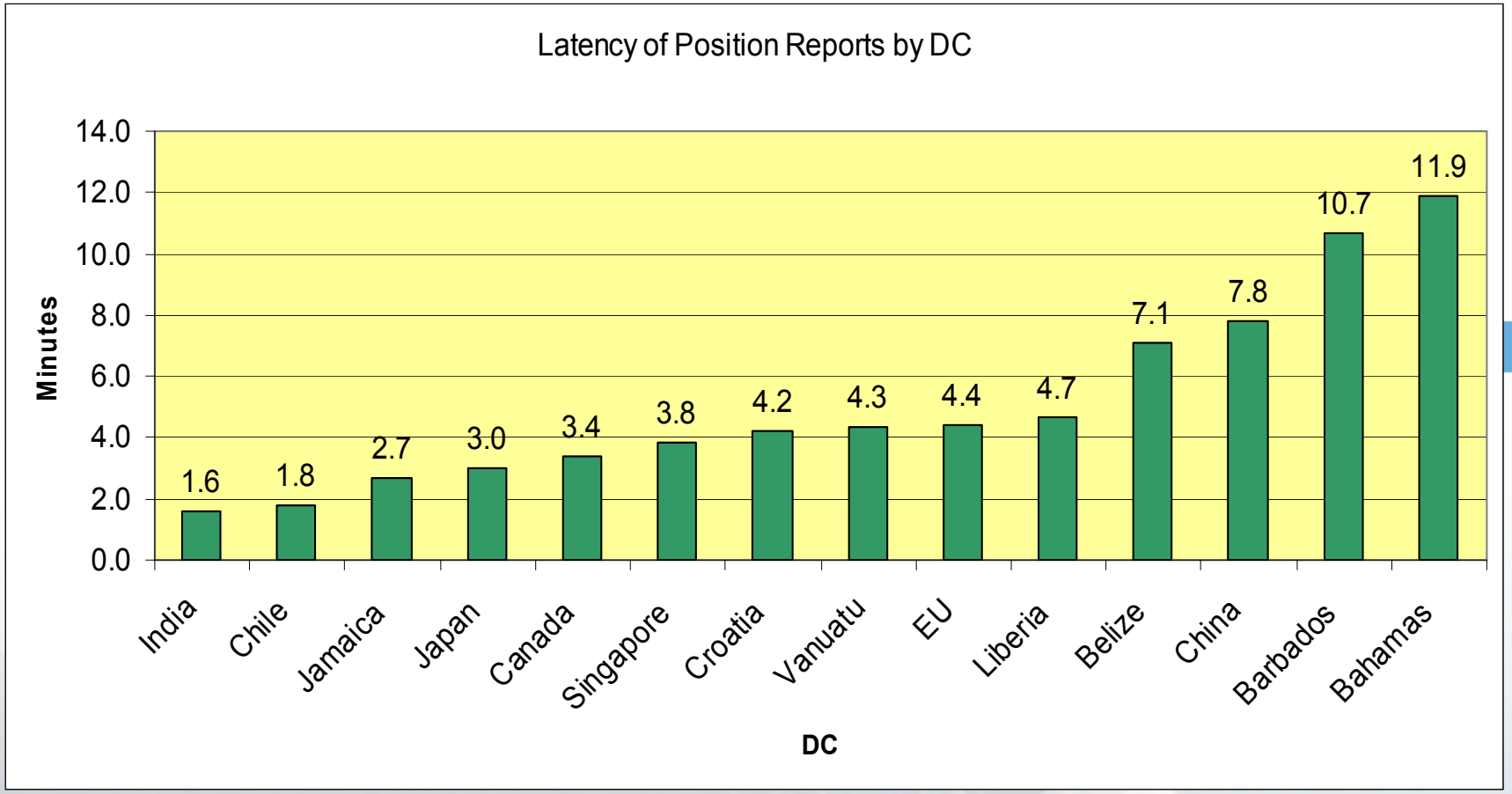
- Polls

Reference Period	Number of Polls	Response Time (average)	IMO Requirement
6 Jul- 20 Sept 2009	110	5,3 min	< 30 min

Latency, from ship to DC



Latency (by DC)



Based on position reports received by the EU DC (Jul-Sep 2009)

Quality of Service

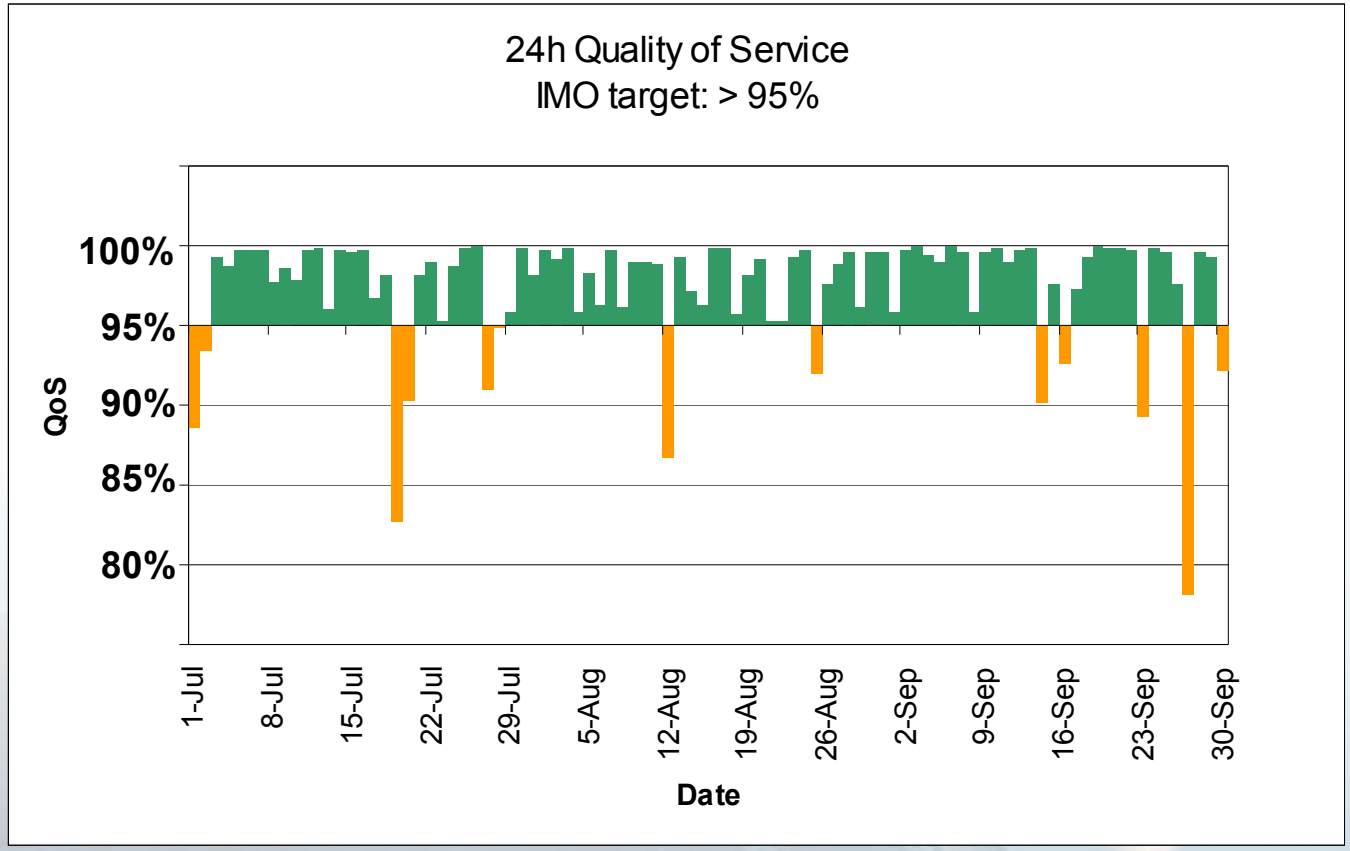
$$\frac{\text{Number of Position Reports meeting Latency requirement}}{\text{Total number of Position Reports}}$$

Expected Quality of Service according IMO:

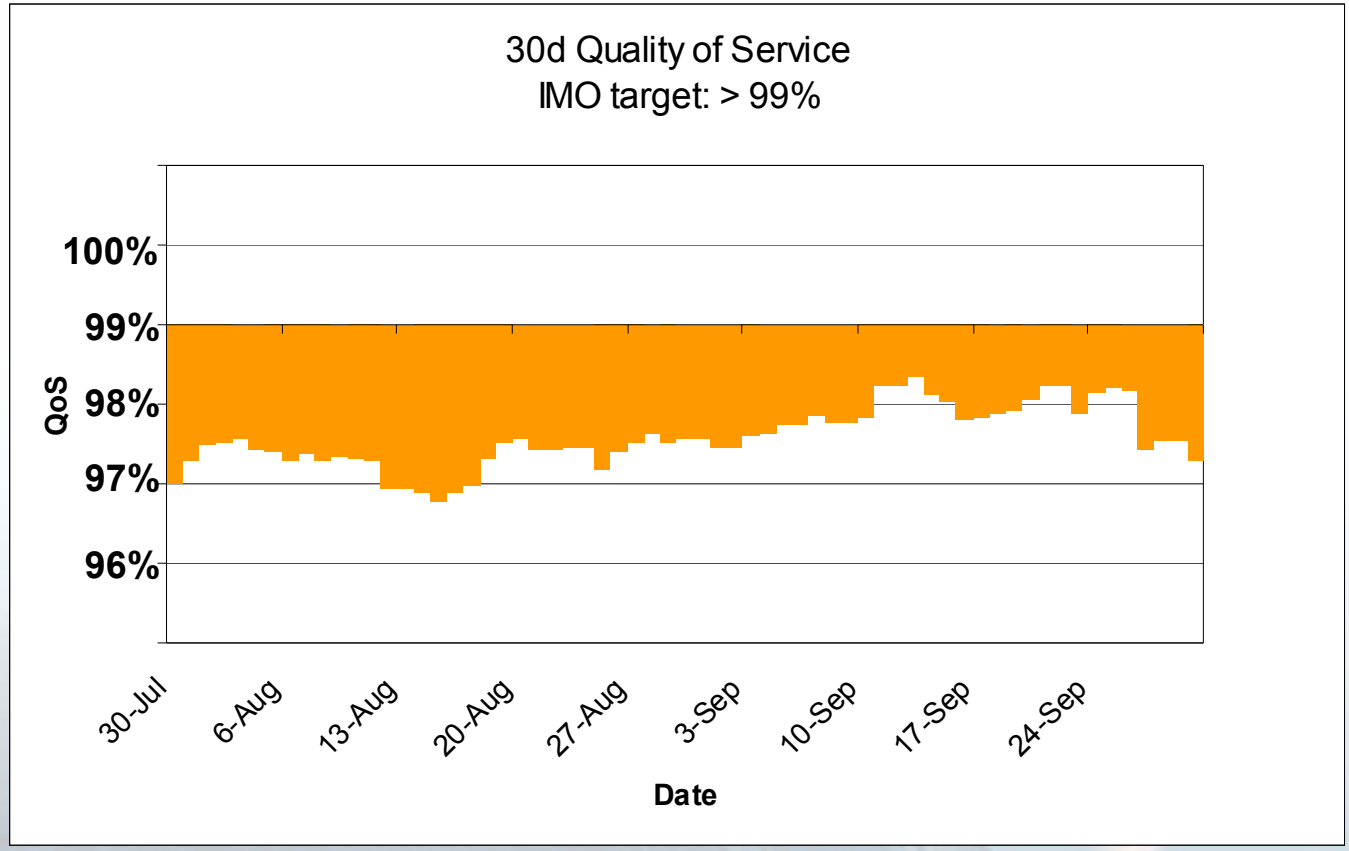
- 95% over any 24-hour period (IMO 24h)

- 99% over any 1 month (IMO 30days)

Quality of Service – IMO 24h



Quality of Service – IMO 30days



EU DC System Availability

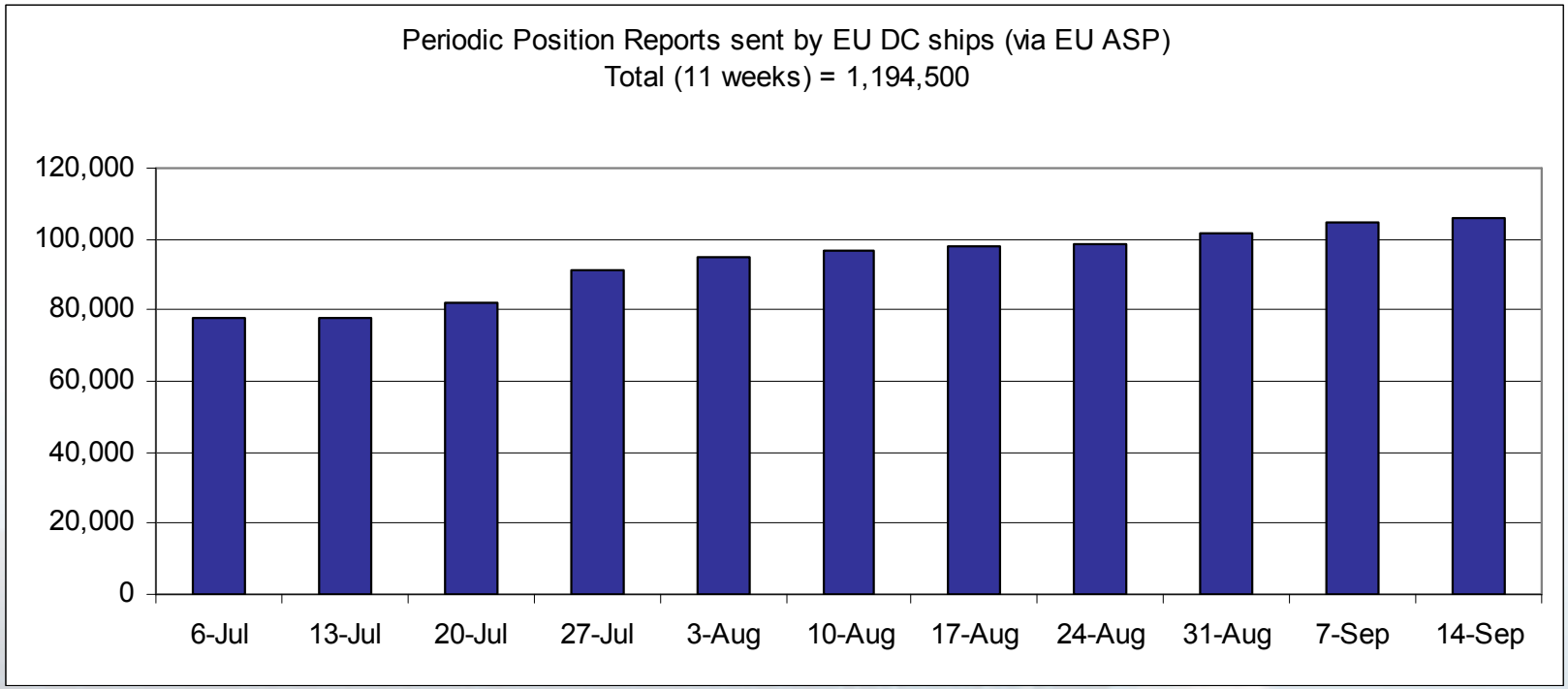
- User Web Interface

Reference Period	Interruption of service	User Web Interface availability
6 Jul- 20 Sept 2009	290 min	99.7 %

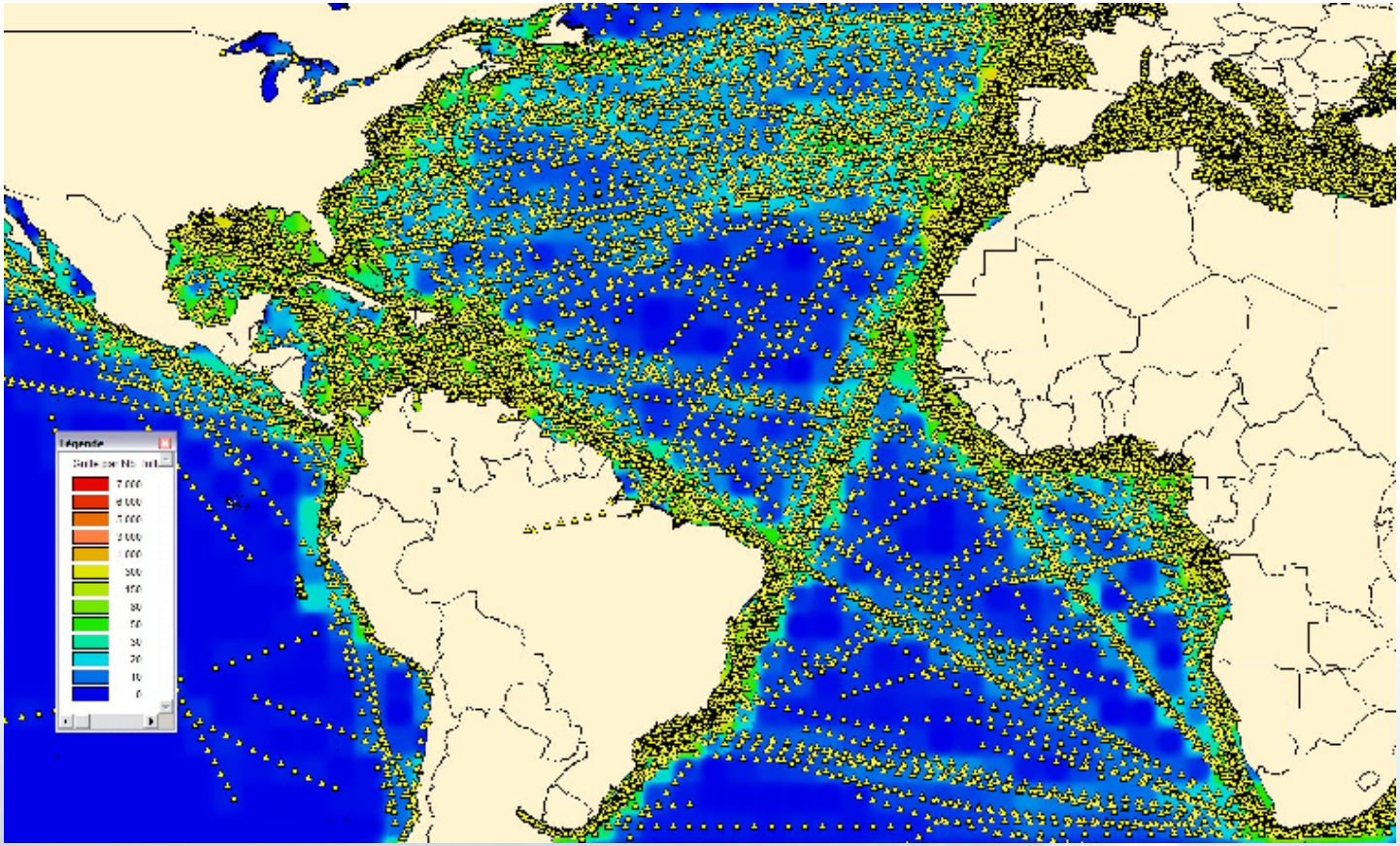
- Web Services (IDE and DDP)

Reference Period	Interruption of service	User Web Service availability
6 Jul- 20 Sept 2009	15 min	99.99 %

Position reports sent by EU LRIT DC ships



Position reports received by the EU DC



Period: 23-30 September 2009

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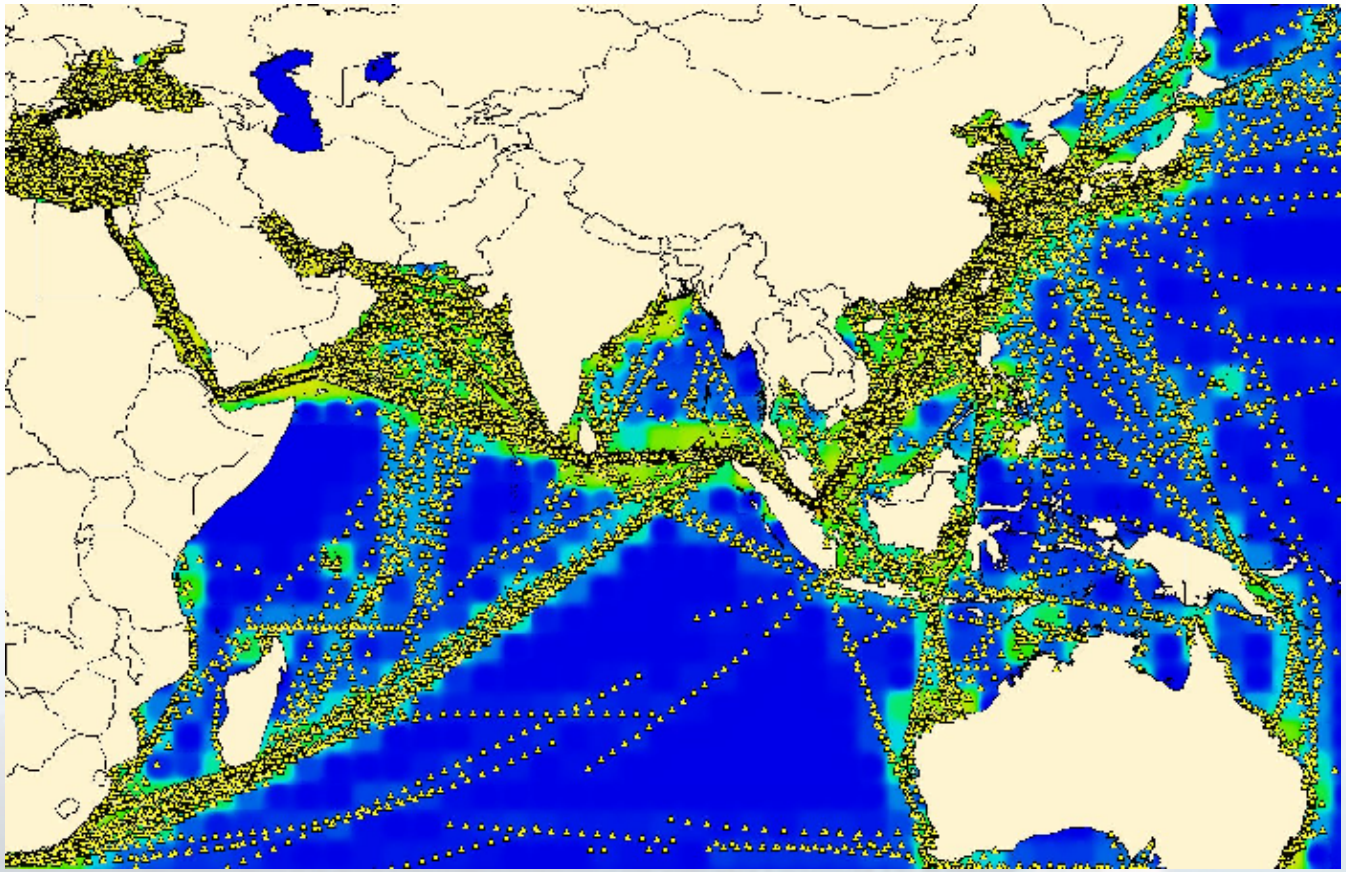
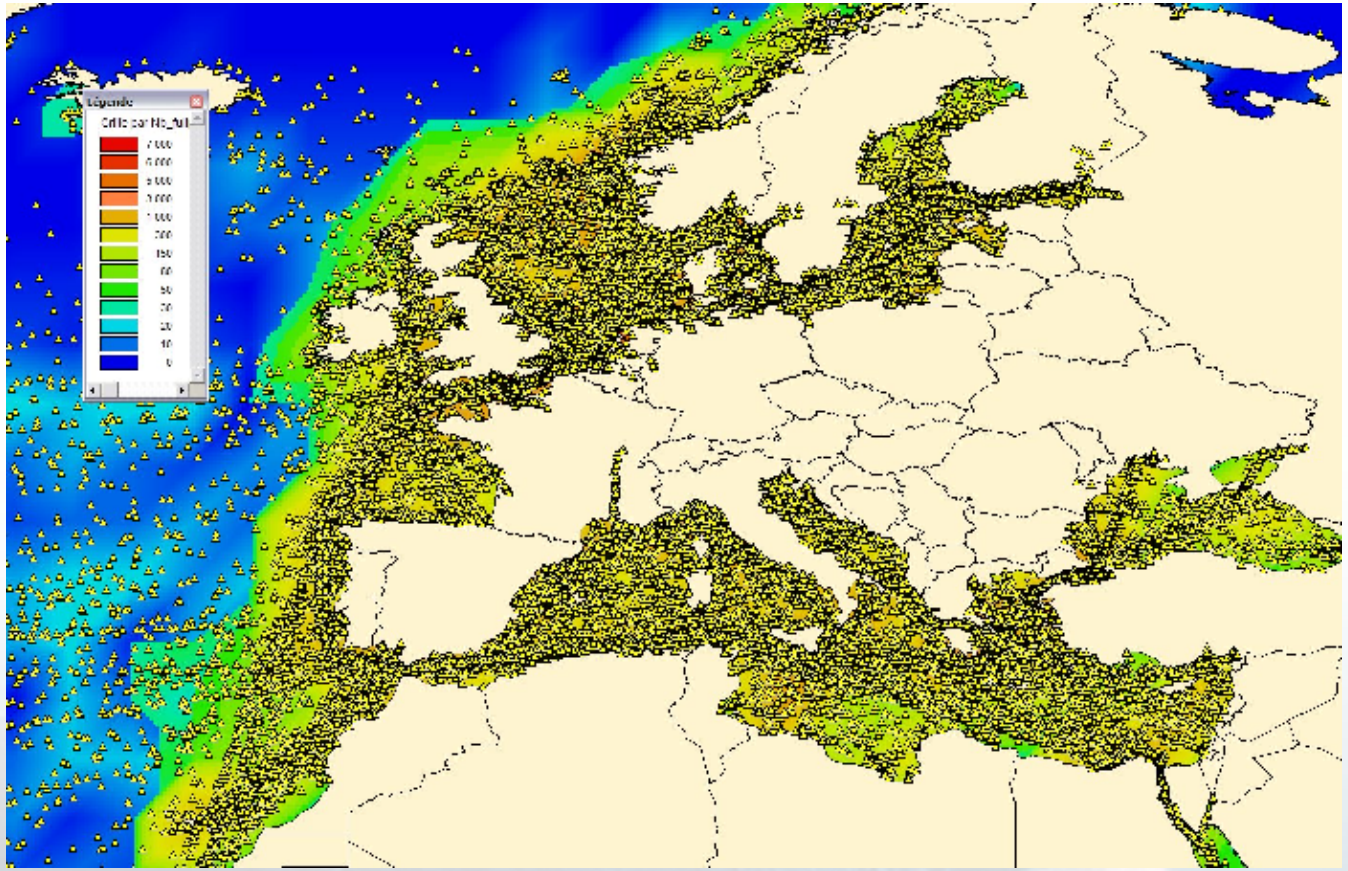
Position reports received by the EU DC



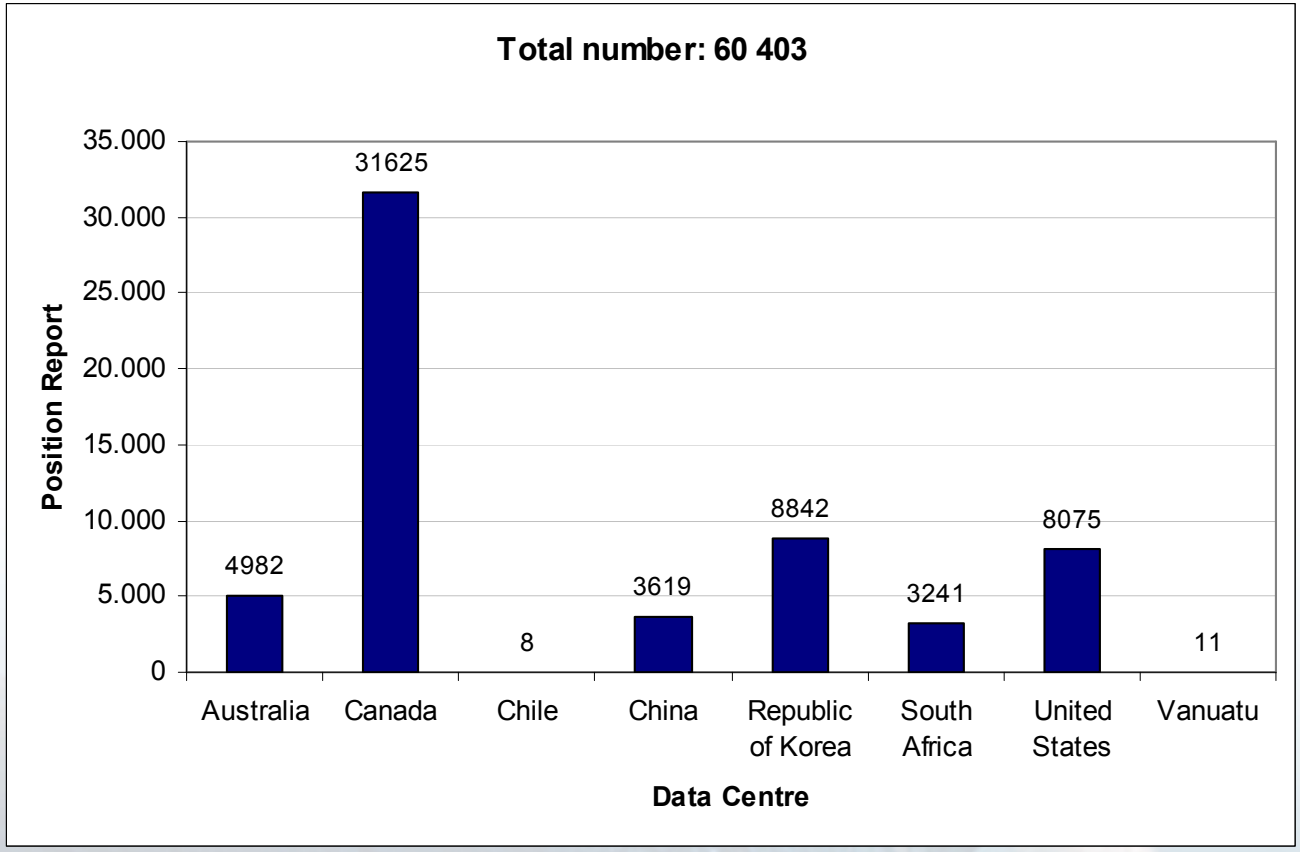
Period: 23-30 September 2009

Position reports received by the EU DC



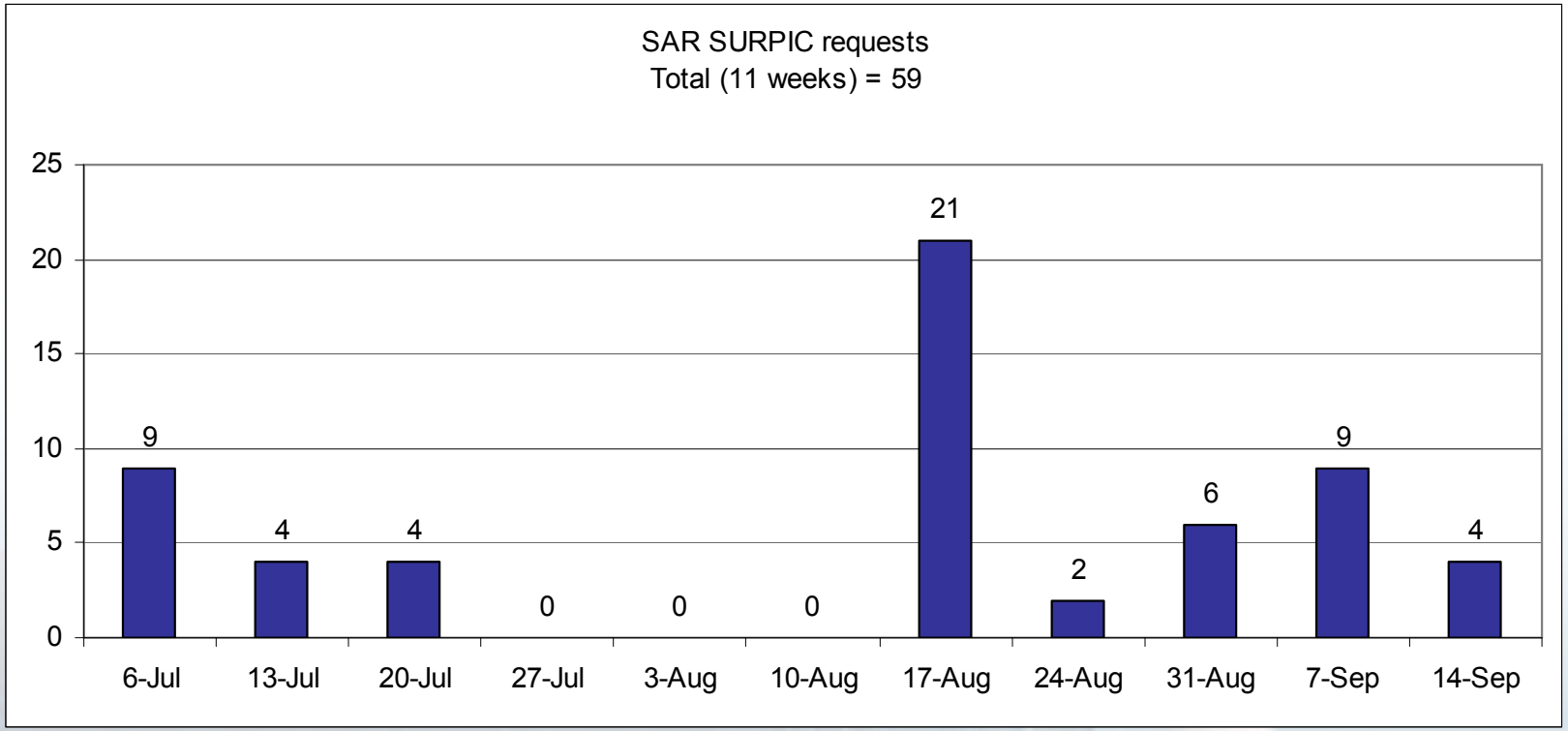
Period: 23-30 September 2009

Reports requested by other LRIT DC's



Status: 21 September 2009

SAR SURPIC requests



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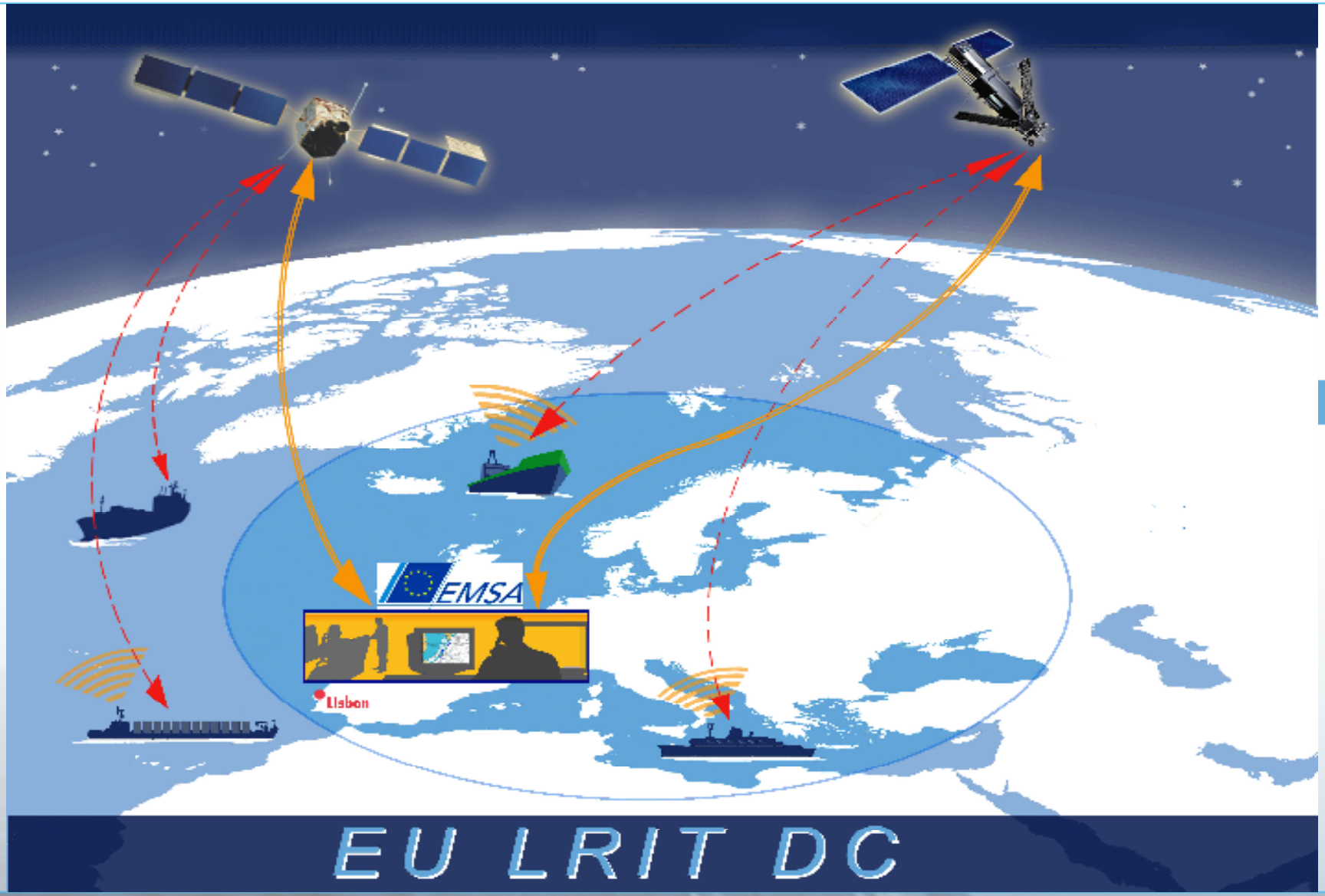
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