

EU LRIT Data Centre

Evolution of the EU LRIT CDC & Ship DB and ship reporting

24 May 2013

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LRIT Maintenance

7th LRIT NCA meeting

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Yannick Texier – LRIT Senior Project Officer

1- Maintenance Outlook (1)

- Release 2.1.0
 - June 2013 - : Implementation of 2 evolutions:
 - EMSA Cmap server
 - Xml multithreads
- Release 2.2.0
 - end 2013
 - Corrections
 - Evolutions

1 - Maintenance Outlook (2)

- Integration of the EU CDC within the EMSA infrastructure
 - Completed by Nov. 2013
- Integration of the Invoicing&Billing module within the EU CDC
 - Completed by Q1 2014
- Ship database:
 - Completed by Aug. 2013
- Single Sign On (SSO)
 - Improved lost password functionality

2 - Xml Interfaces status

- Xml interface is operational on EU LRIT CDC Production site
- Pack LRIT_XML-Interface-Implementation_v1.6 :The information required to implement and test the EU LRIT CDC XML Interface (<https://extranet.emsa.europa.eu>)
- Before going to production, MS shall pass the Testing and Commissioning phase
- MS should send the test report to EMSA

3 - Maintenance Contract – CLS/CSW

- 4 year contract
- Contract signed Nov. 2012
- Covers EU DC, IDE and Ship DB
- Starts November 2012 for EU DC
- Starts in May 2013 for IDE & Ship DB
- Covers:
 - Corrective maintenance: bugs, corrections, fixing anything that does not work.
 - Evolutive maintenance: Includes new functionalities and new developments

Ship integration and ship reporting

7

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Vincent Guida – LRIT Project Officer

1- Integration/Reporting of ships: how many (on 08-05-2013)?

- 8615 ships in Ship DB,
- Out of 8458 “Integrated” in the EU LRIT CDC:



■ Reporting (84.7%)

■ Not reporting (13.1%)

■ Stopped by ASP/CG
(2.2%)

2- causes for non-integration

- Out of 147 ships "Not integrated", causes are the following:

Cause of failure	10/2010	04/2011	01/2012	05/2013
DNID upload failed	85	61	106	66
Invalid radio ID in LRIT ship DB	12	25	25	17
Shipborne equipment activated after the CTR date of issue	18	27	30	19
Shipborne equipment logged out	18	13	18	17
Shipborne equipment deactivated	1	3	2	5
GPS issue			2	1
Shipborne equipment not responding			22	22
Total	134	129	205	147

3- Reporting: current status

- 13 CGs have a reporting rate $> 90\%$
- 6 CGs delegated fleet monitoring to EMSA: reporting rate $> 85\%$
- 5 CGs with reporting rate $< 80\%$: suggested to delegate fleet monitoring to EMSA
- AAS enabled for more than 900 ships (11%): which enables a quick reaction
- AAS enabled for 12 users from 7 countries

4- EMSA monitoring of your fleet

1/week: ASP checks **new** "Not reporting" cases

1/month: ASP compile a report with "Actions to do", sent to CGs

CGs do the actions, together with shipowner/ship master

CGs report to MSS, MSS forward to ASP, and ASP takes actions for terminals to report again

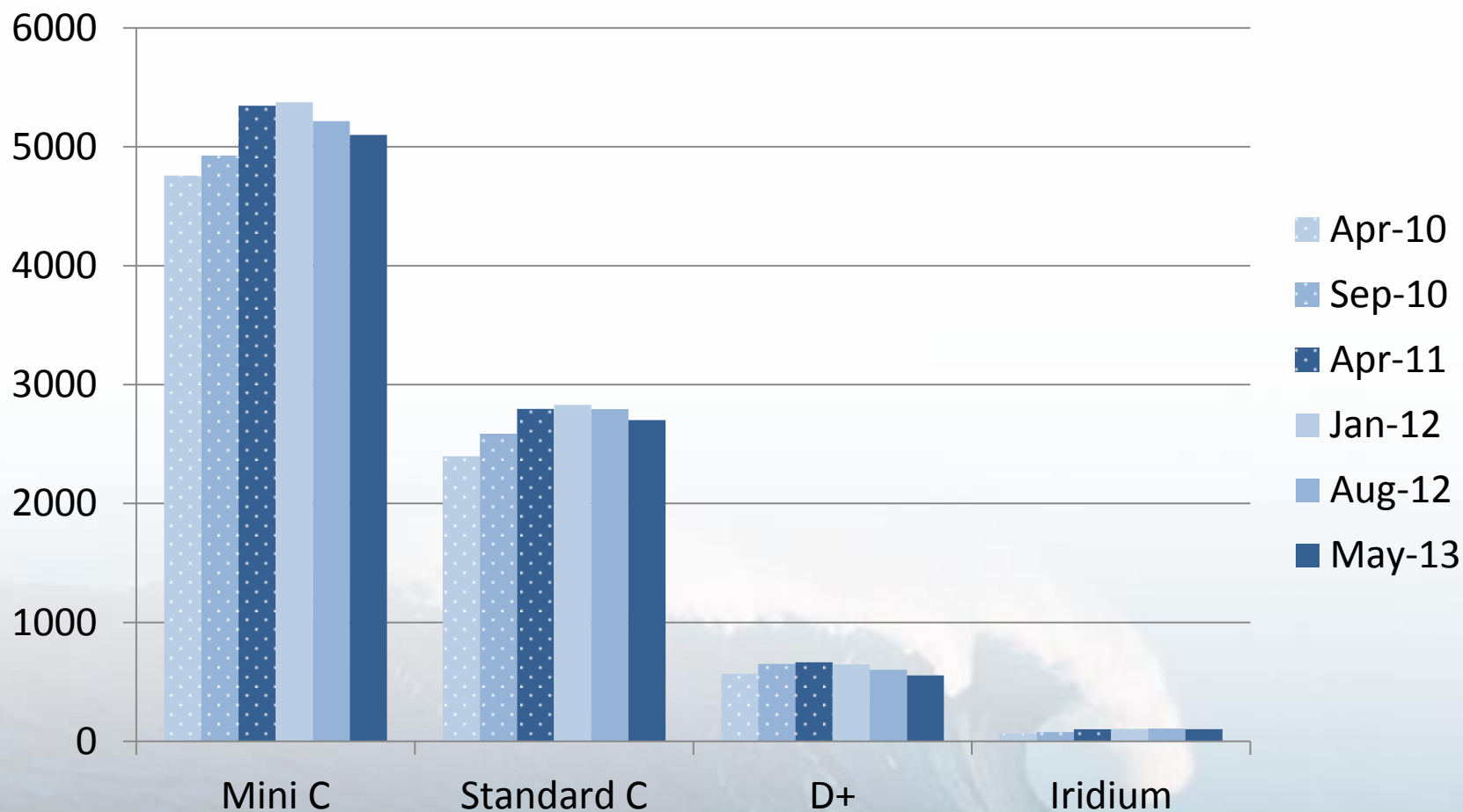
5- AAS monitoring of your fleet

Ship goes to "Not reporting":
automatic mail sent to shipowner/CG

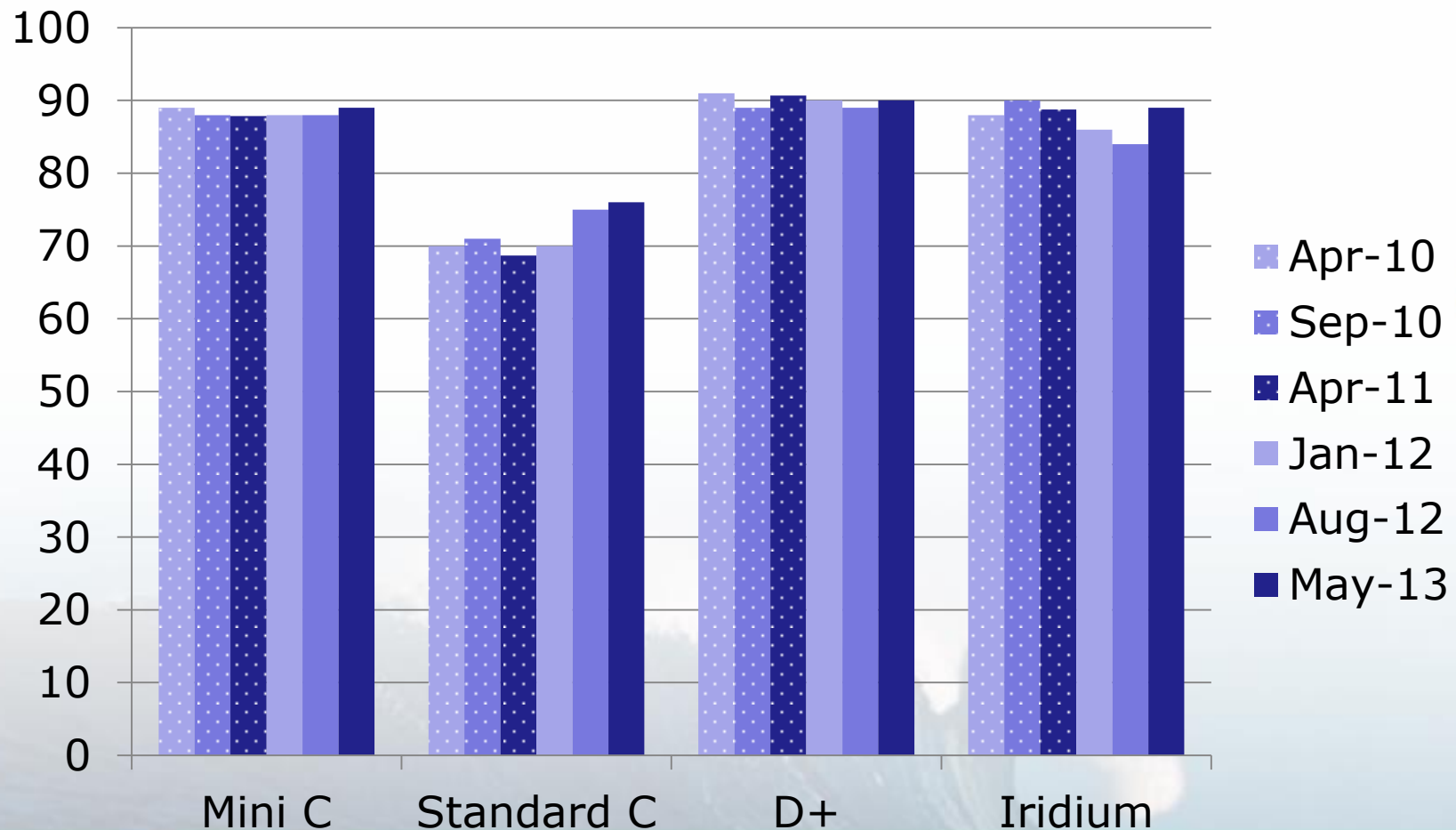
Mail content: ask to switch off /
switch on the terminal, then contact
CG

- CG continues with TN8
- OR: ASP continues with TN8 (EMSA delegation)

6- Evolution in the number of terminals (in Ship DB) per communication network



7- Evolution of % reporting terminals per communication network



Conclusion (1)

- Integration: + 0.8% (since last NCA mtg.)
Double check quality of data in LRIT Ship DB: radio Id, CTRs date (contact Testing ASPs to get updated CTRs)
- Reporting:
 - Globally: + 2.1% (since last NCA mtg.)
 - Main issue: still with Standard C terminals (average 70% reporting)
 - > Inform ships about importance of doing log-out / log-in or switch off / switch on **every 6 months (Inmarsat recommendation)**
 - > need for monitoring and actions to improve reporting

Conclusion (2)

- Reporting could be improved with the help of CGs:

- Constant monitoring of the fleet through the UWI
- Use of the UWI: Restart, DNID Upload
- Use of TN8 v1.2

can be
done by
EMSA if
delegated

- Follow-up with shipowners for terminal changes or repairs
- Update of Ship DB
- Use of the AAS on more ships

Access to archived LRIT information

- EMSA receives requests from various EU MS and/or EU Agencies requesting to consult archived LRIT information
- EU CDC database contains over 40 million position reports for the period 2009-2012
- Current procedure is quite laborious
- Objective:
 - to make available archived LRIT information to all PSs of the EU CDC, European Institutions, and Agencies.
 - EMSA is responsible for providing LRIT information to Participating States
 - No cost
 - EMSA will report on activity

- MS are being requested to give their authorisation to EMSA to pass on archived data to another Participating State requestor without further consultation of the PSs of the EU CDC.
- This would be a trial period of 12 months and we report back on all requests at LRIT NCA meetings.

