12th LRIT NCA meeting

Agenda item 12.2.1 – EU CDC Performances
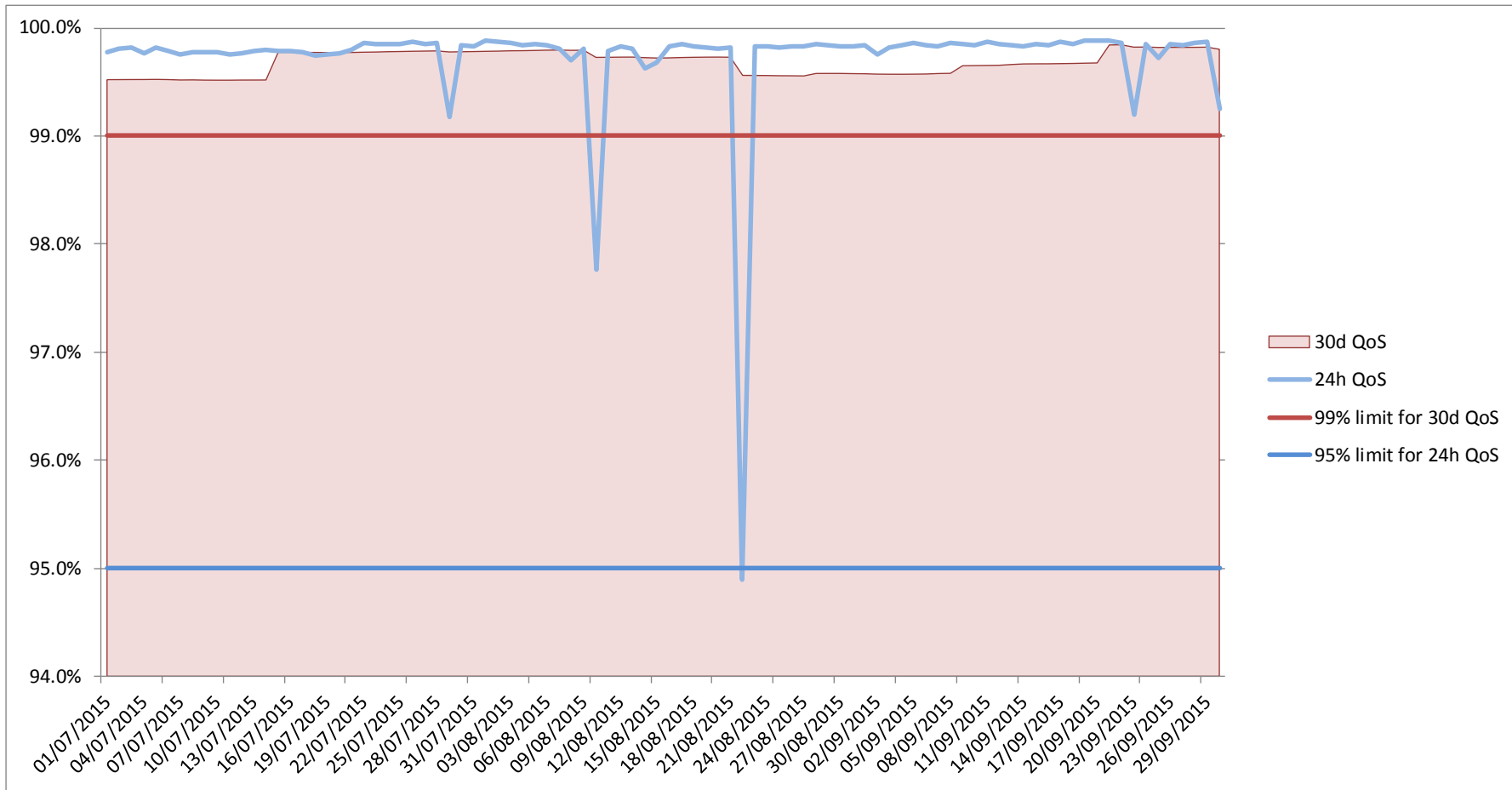
Vincent Guida/ Senior Project Officer
Department C: Operations/Unit C.2.2

Lisbon / 14 October 2015

EMSA
European Maritime Safety Agency

Above requirements:

Quality of Service = Number of Position Reports meeting Latency requirement
Total number of Position Reports

EU DC System Availability

Reference Period	EU CDC availability > 99%	User Web Interface availability > 99%
Q4 2014	99.34%	99.78%
Q1 2015	99.54%	99.78%
Q2 2015	99.86%	99.75%
Q3 2015	99.68%	99.81%

Measure using message 11 System status

1 major incidents during Q2 2015:

- **ASP database issue (22-08-2015): 24h QoS=94.89%**
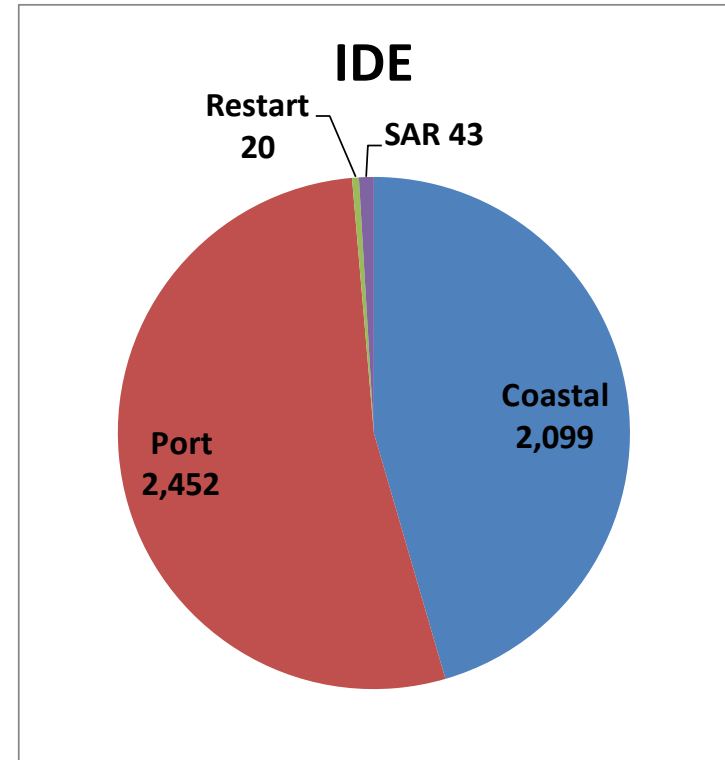
Use of the system: e.g. September

Positions requests:

- From EU CDC

- From IDE

EU CDC

- Coastal 224
- Flag 43
- Port 10
- Restart 4
- SAR 108

IDE

- Coastal 2,099
- Port 2,452
- Restart 20
- SAR 43
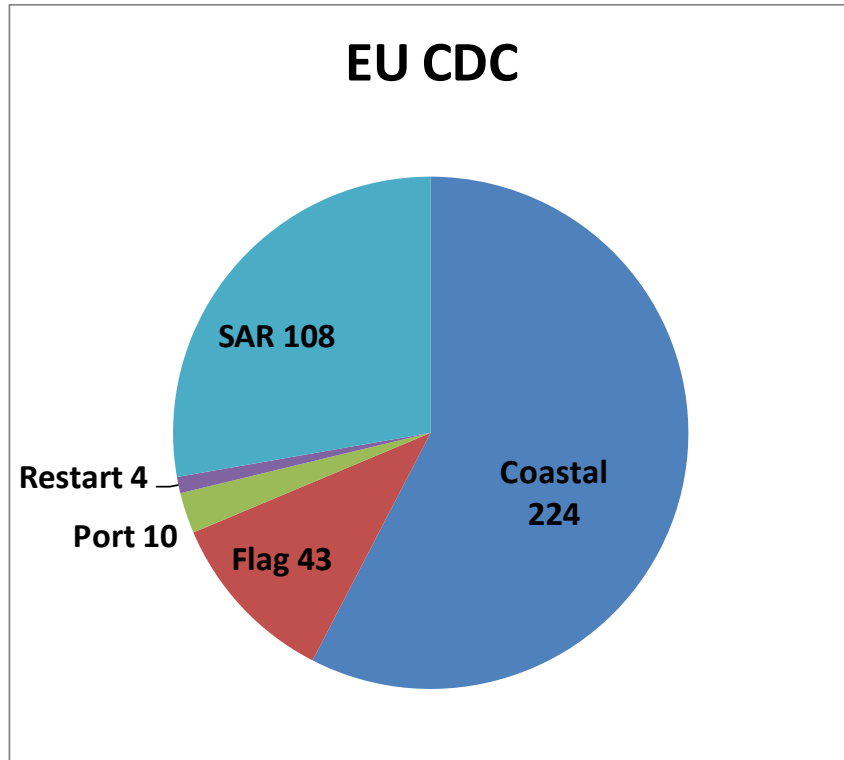
Position reports coming from ASP (internal), from IDE, and delivered to IDE

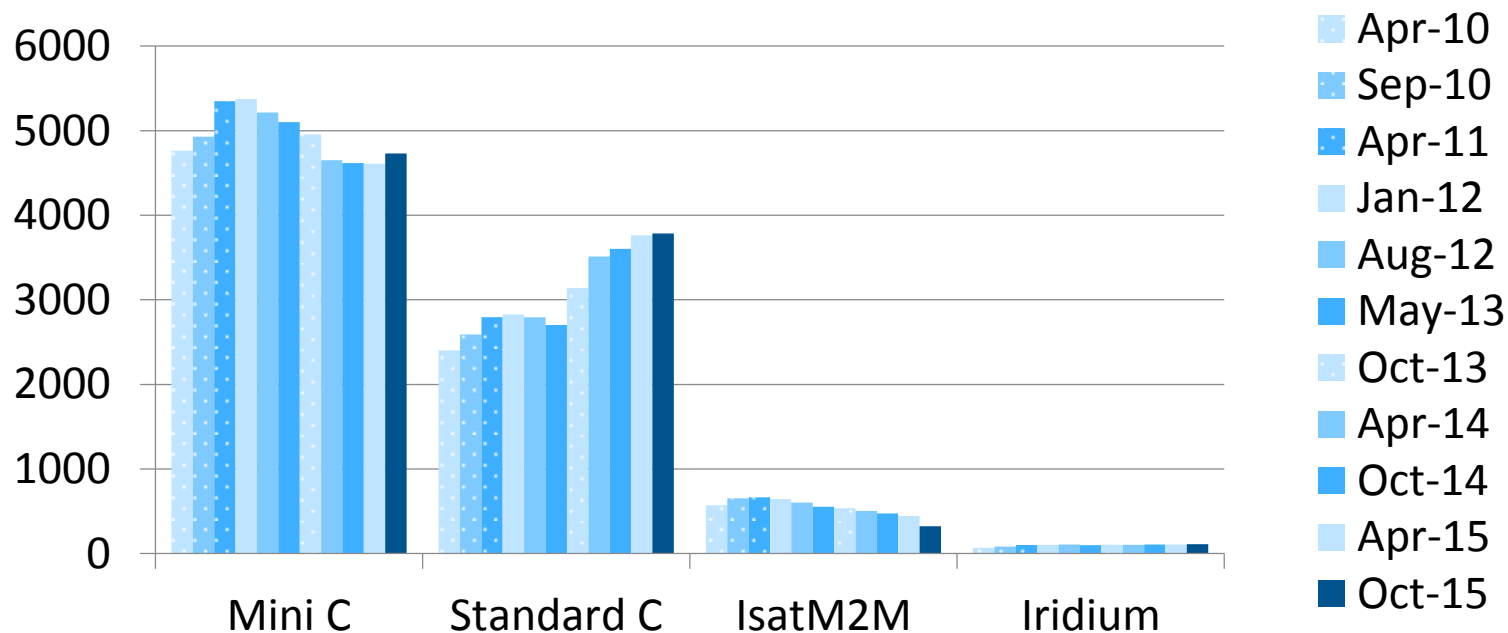|	July	August	September
To IDE	169,722	178,465	176,740
From IDE	18,875	19,568	19,002
Internal routing	980,209	974,430	948,214

Legend: ■ Internal routing ■ From IDE ■ To IDE
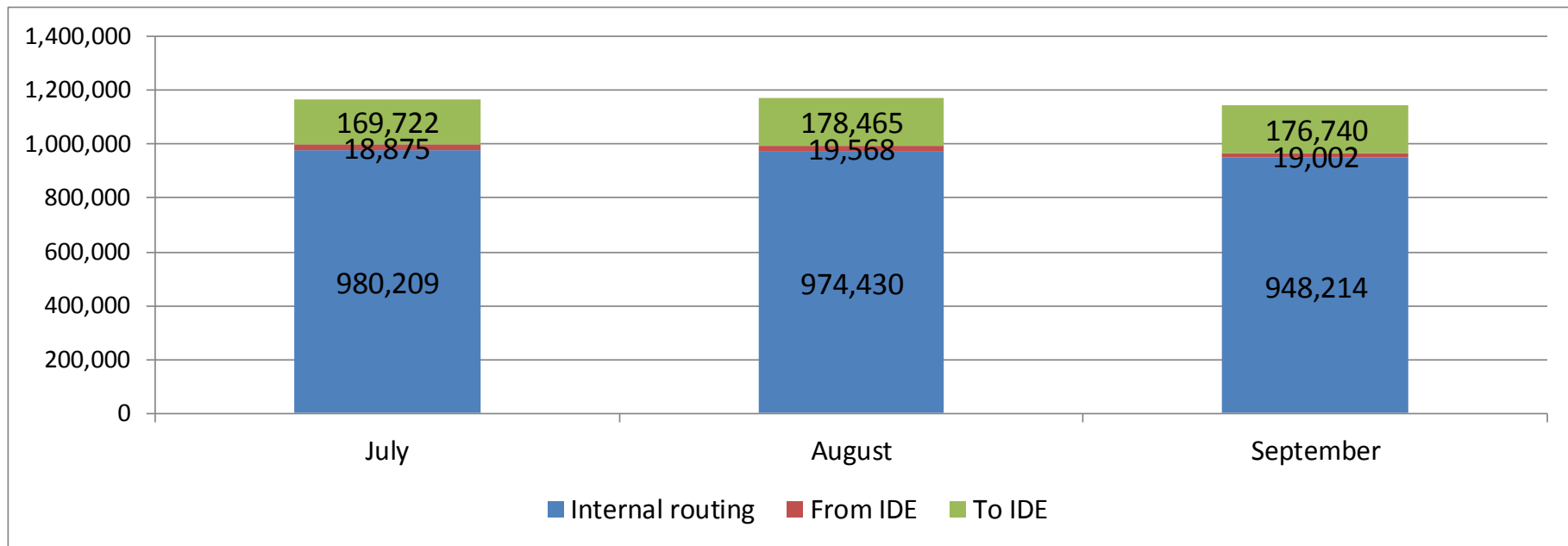
Evolution of number of ships

In Ship DB: (green: increase, orange: decrease)

Jun-09	Apr-10	Apr-11	Aug-12	May-13	Apr-14	Oct-14	Apr-15	Oct-15
4860	7790	8907	8717	8615	8773	8807	8930	8953

Per communication network:

Evolution of integrated ships

8930 ships in Ship DB: stable

8711 integrated: =97.6% stable

227 not integrated, mainly:

- Shipborne equipment not responding (52)
- DNID upload failed (96)

To troubleshoot:

- Inform shipowners/masters that LRIT terminal must always be switched on and operational
- Inform MSS when terminal is operational again
- Use of Technical Note 8 (procedure I-2) ➡ **Update on-going**

Evolution of reporting ships

- 11 CGs delegated their fleet monitoring
- End of Satpro service: 133 ships inpacted
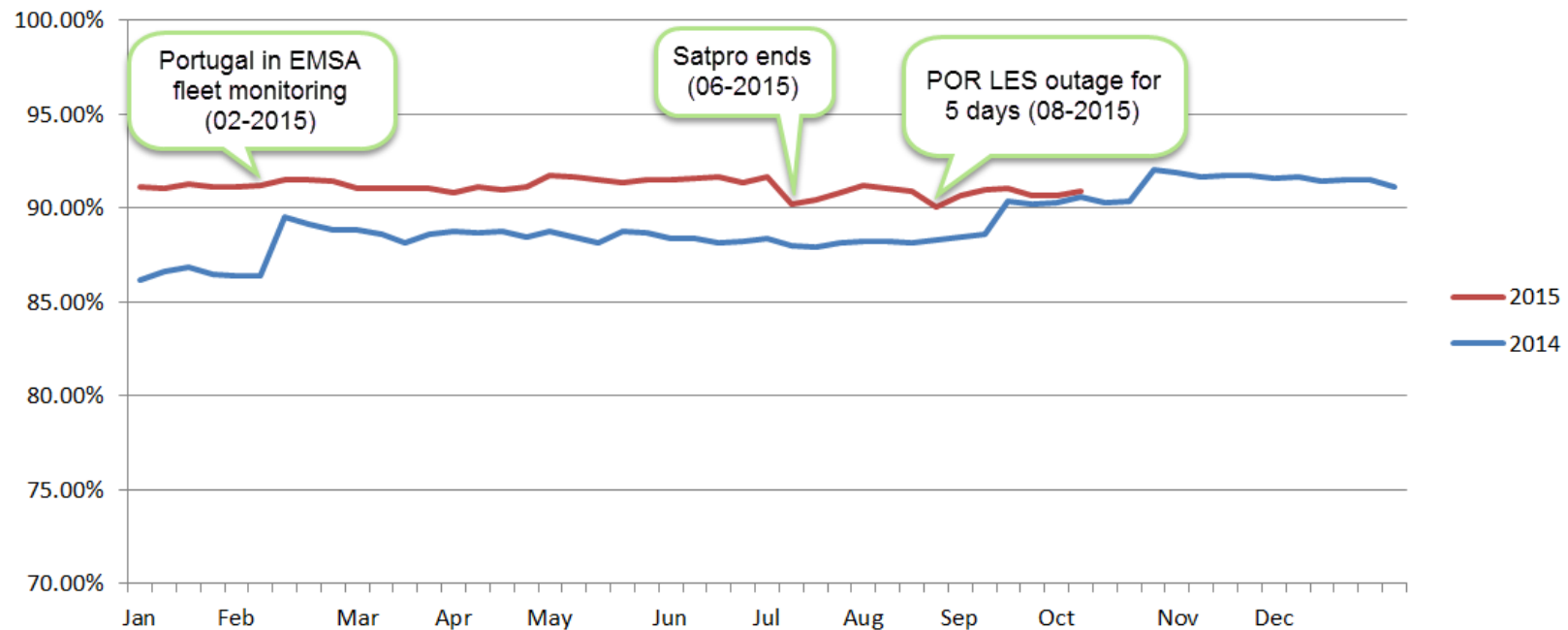
Reporting per CG (including stopped ships)

> 90%

delegated to EMSA

Reporting decreased slightly

Effort to be maintained:
- CGs
- ASP
- MSS
- LRIT Team
- *Technicians on ships*

Flag	Ship 10-2015	Oct-10	Oct-12	Oct-14	Apr-15	Oct-15
BEL	117	88.1	96.5	86.2	91.5	92.3
BGR	15	67.6	71.4	85.4	87.5	86.7
CUW	56			92.8	93.3	87.5
CYP	954	74.9	79.6	91.4	96.4	96.6
DEU	197	94	98.4	98.3	98.6	90.4
DNK	469	90.4	97.4	94.5	92.6	91.3
ESP	199	91.5	92.5	86.8	83.3	80.9
EST	14	93.3	100.0	100.0	100.0	100.0
FIN	106	70.2	98.3	95.7	94.1	95.3
FLK	3		100.0	66.7	100.0	66.7
FRA	216	82.7	78.6	92.4	89.2	87.5
GBR	545	84.6	79.0	86.4	82.4	80.2
GIB	256		81.7	90.9	86.1	85.5
GRC	688	97	97.0	88.0	91.2	91.7
HRV	42		100.0	96.3	92.5	85.7
IRL	35	88	85.3	94.4	88.6	88.6
ISL	2	100	100.0	100.0	100.0	100.0
ITA	616	93.4	98.7	92.7	93.6	93.2
LTU	33	90.7	92.1	96.1	100.0	97.0
LUX	163	75.4	89.1	89.2	88.5	88.3
LVA	18	92.3	83.3	91.7	100.0	94.4
MLT	1923	79	77.0	87.2	89.7	88.0
MNE	5				100.0	100.0
NLD	915	85.8	79.2	84.7	92.2	92.8
NOR	778	81.9	77.5	82.4	78.4	76.1
POL	26	90	100.0	92.9	92.0	69.2
PRT	221	81.2	80.2	77.3	85.1	88.7
ROU	2	100	100.0	100.0	50.0	50.0
SVN	1	0	100.0	0.0	0.0	0.0
SWE	93	81.5	81.5	85.9	86.5	91.4
VGB	7		71.4	42.9	57.1	71.4
Total	8715	82.3	84.8	88.4	89.7	88.7

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Reporting per CG (without stopped ships)

> 90%

delegated to EMSA

209 ships stopped in the EU CDC, removed from this table (left)

| Flag	Ship 10-2015	without stopped Oct-15	with stopped Oct-15
BEL	117	98.2	92.3
BGR	15	86.7	86.7
CUW	56	89.1	87.5
CYP	954	97.9	96.6
DEU	197	90.4	90.4
DNK	469	92.4	91.3
ESP	199	90.4	80.9
EST	14	100.0	100.0
FIN	106	98.1	95.3
FLK	3	66.7	66.7
FRA	216	95.9	87.5
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HRV	42	92.3	85.7
IRL	35	88.6	88.6
ISL	2	100.0	100.0
ITA	616	98.8	93.2
LTU	33	97.0	97.0
LUX	163	90.0	88.3
LVA	18	94.4	94.4
MLT	1923	88.3	88.0
MNE	5	100.0	100.0
NLD	915	95.2	92.8
NOR	778	77.1	76.1
POL	26	81.8	69.2
PRT	221	89.5	88.7
ROU	2	50.0	50.0
SVN	1	N/A	0.0
SWE	93	92.4	91.4
VGB	7	71.4	71.4
Total	8715	90.9	88.7

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Reporting: current status

- **14 CGs have a reporting rate > 90%**

- **11 CGs delegated fleet monitoring to EMSA: Average reporting rate > 89%**

- **6 CGs with reporting rate < 80%: suggested to delegate fleet monitoring to EMSA**

- **AAS enabled for more than 1137 ships which allow shipowners to react quickly (+20%)**

- **AAS enabled for 16 EU CDC users (Flag Administration) from 8 countries**

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Evolution of % reporting terminals per communication network

- Reporting of Standard C terminals still raising;

- D+ down due to end of Satpro (time to transfer terminals)
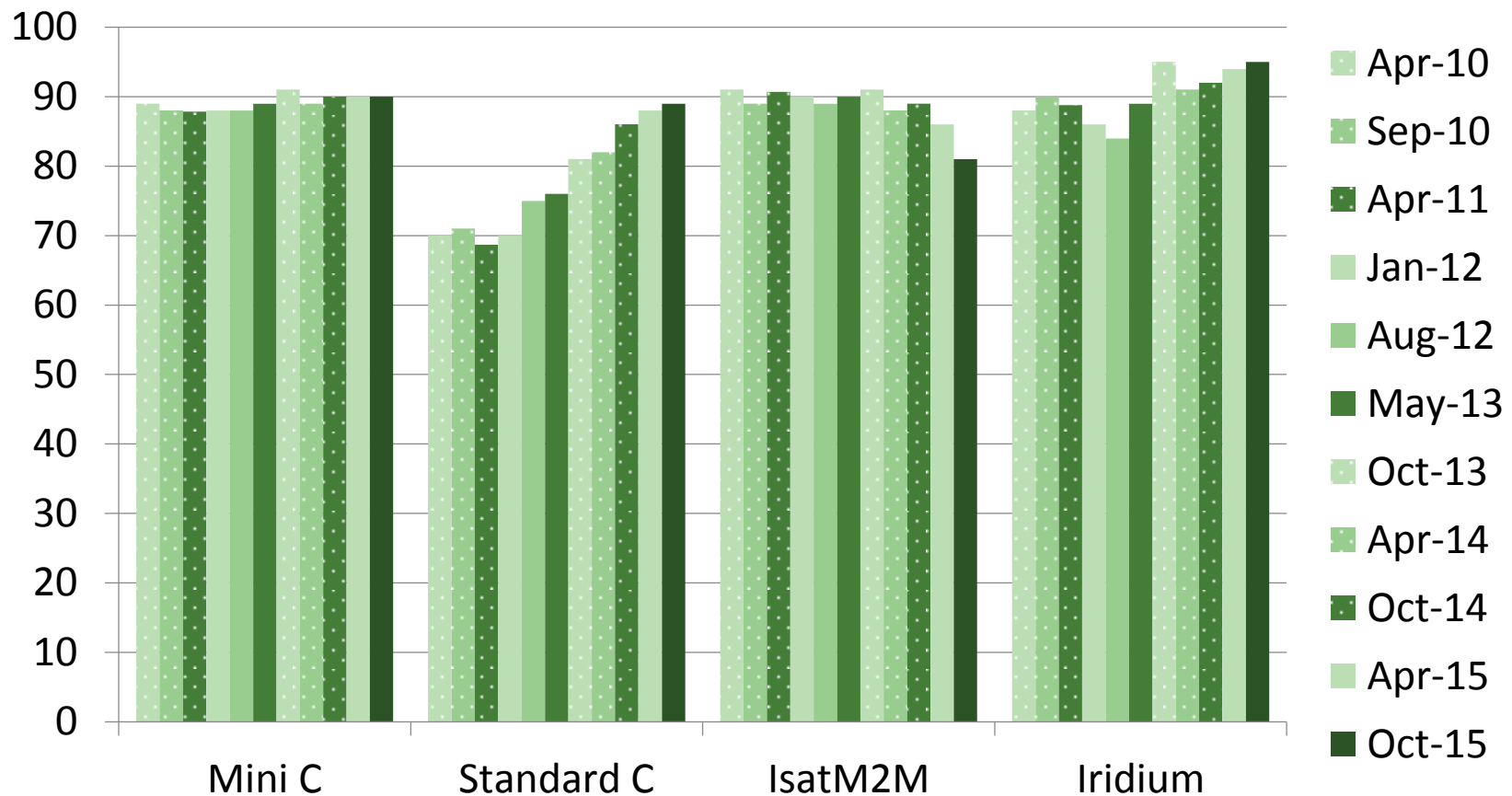
EMSA monitoring of your fleet

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

Once/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

How to improve the reporting

Reporting could improve

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
- Use of TN 8 and 19

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