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European Maritime Safety Agency

Lisbon, 11 February 2008
Ref: F1/Ops/Stats/Jan08

SafeSeaNet monthly report

January 2008

1. Background information

The purpose of the report is to produce on a monthly basis, specific measurable elements and figures giving a full, clear and current picture of the SafeSeaNet situation. The report may be further analysed by EMSA, the Commission and the MS for extracting conclusions on the usability of SSN system.

2. Type of information

All bellow information was produced through the SSN application with the support of the ICT pillar.

2.1. Notifications

The table 1 gives a picture of the notifications provided by Member States to SSN per message type and interface.

Table 1 - Notifications SSN (Jan.2008)

COUNTRY	INTERFACE	SHIP AIS	SHIP MRS	PORT	HAZMAT	ALERT	SECURITY	TOTAL
Belgium	XML	136,636		6,688	466			143,790
Denmark	XML	209,211			558			209,769
Finland	XML			9,975	401			10,376
Germany	XML	69,912		6,477	1,800			78,189
Ireland	XML				80			80
Italy	XML		19,082	390	116			19,588
Lithuania	XML	13,959		1,694	69			15,722
Malta	XML	23,084		705	170			23,959
Netherlands	Web			247	107	1		355
Netherlands	XML	117,508		6,671	2,284			126,463
Norway	XML	464,364		1,773	788	1		466,926
Poland	XML	120,249		4,223	1,600		3,341	129,413
Portugal	XML			653	77			730
Romania	Web			470	71			541
Slovenia	Web		163	308	12			483
Spain	XML			7,889	732			8,621
Sweden	XML	11,826		13,562	745			26,133
TOTAL		1,166,749	19,245	61,725	10,076	2	3,341	**1,261,138**

EMSA comment

As expected, the number of notifications is increasing in comparison to the previous months. Web interface is being used to provide notifications only by some LCAs of the Netherlands as well as by Romania and Slovenia. Slovenia and Romania continue using the web interface for providing notifications to SSN but are planning to introduce XML interfaces. Fifteen (15) MS introduced XML interfaces and fourteen (14) are using it actively.

Figure 1 – Notifications per Type

Ship 94.0%
Security 0.3%
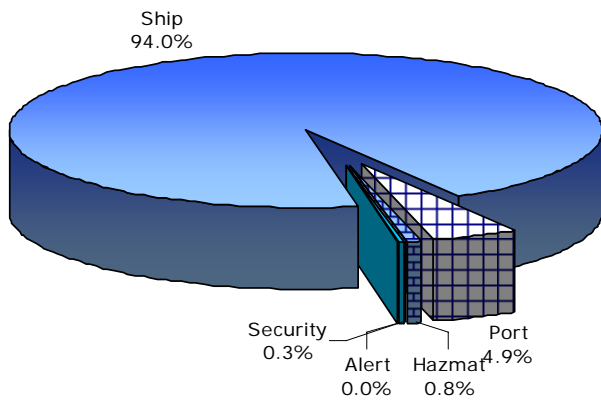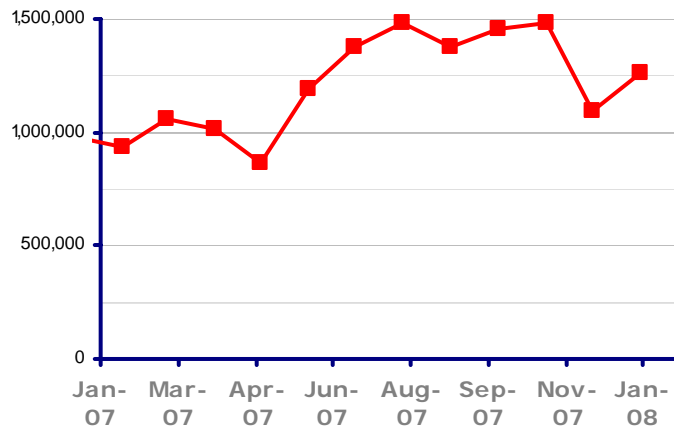Alert 0.0%
Hazmat 0.8%
Port 4.9%

Figure 2 –Notifications: Jan.07/Jan.08

2.2. Requests

The table 2 gives a picture of the requests made by Member States to SSN per message type and interface.

Table 2 - Requests SSN (Jan.2008)

COUNTRY	INTERFACE	SHIP	PORT	HAZMAT	ALERT	SECURITY	TOTAL
Belgium	Web	3		2	1		6
Denmark	Web	4		45			49
Denmark	XML		3	24			27
Finland	Web	7		73			80
Germany	Web	8		1		1	
Germany	XML	31	9	2			42
Iceland	Web	1			2		3
Italy	XML	4		2			6
Latvia	Web	11		4			
Netherlands	Web	33		12	12	4	61
Norway	Web	1		3	1		5
Norway	XML		22	73,252			73,274
Poland	Web	3		92		1	96
Poland	XML	5		1			6
Slovenia	Web	3		1			4
European Commission	Web	252		170	11	3	436
TOTAL		366	34	73,684	27	9	74,095

Figure 3 – Requests per Type

Hazmat 99.4%
Ship 0.5%
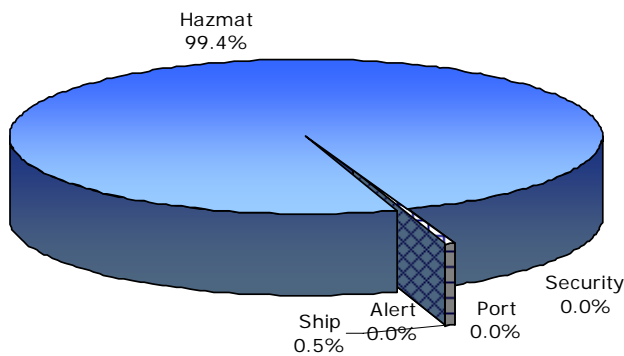Alert 0.0%
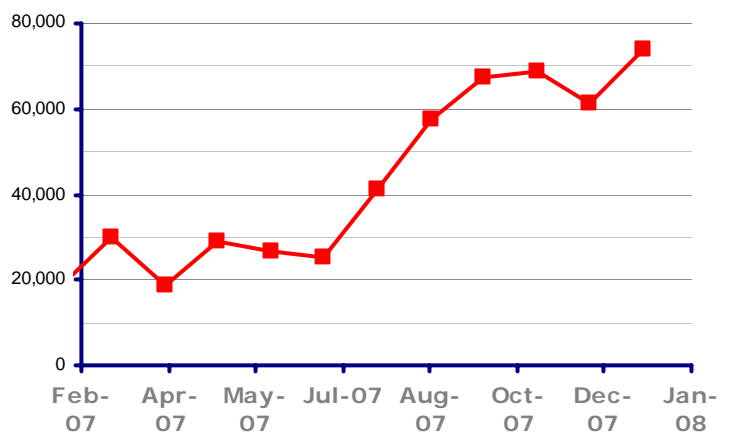Port 0.0%
Security 0.0%

Figure 4 – Requests: Feb.07/Jan.08

EMSA comment

The table shows that MS (except Norway) do not use SSN to request data. An explanation for the low number of requests is that the current SSN is oriented to emergency purposes and not for routine operations. Another possible reason is because data is not available. For those who are requesting information, the web interface is most commonly used. Denmark, Germany, Italy, Norway and Poland are using their Xml interface for the request functionality. Number of information requested is growing. Most popular requests are for HAZMAT and Ship Notifications. Other Member states are using web interface actively to obtain data from SSN. Latvia has started using the web interface for requesting.

2.3. LOCODEs per MS and the number of notification (port and HAZMAT) associated with these LOCODEs

In this chapter the notifications sent to SSN are analysed according to the next port of call LOCODE mentioned in the Port and Hazmat notifications. The information is grouped by three categories, European ports, non European ports and unknown ports. The top 10 EU ports are also displayed in the table.

Table 3 – Port and Hazmat Notifications per LOCODE (Jan.2008)

COUNTRY	LOCODE		HAZMAT	PORT	TOTAL
EU Top 10 Ports					
Netherlands	NLRTM	Rotterdam	2,320	3,015	5,335
Sweden	SEGOT	Göteborg	315	3,454	3,769
Belgium	BEZEE	Zeebrugge	16	3,438	3,454
Finland	FIHEL	Helsingfors (	190	2,978	3,168
Netherlands	NLVLI	Vlissingen	49	1,984	2,033
Spain	ESALG	Algeciras	68	1,937	2,005
Germany	DEHAM	Hamburg	390	1,448	1,838
Poland	PLGDY	Gdynia	531	1,288	1,819
Lithuania	LTKLJ	Klaipeda	104	1,694	1,798
Belgium	BEANR	Antwerpen	173	1,590	1,763
EU Ports			9,470	61,650	71,120
Non EU Ports			294	0	294
Port unknown (ZZUKN / ZZCAN)			312	75	387

EMSA comment

The table shows the proportion of Port and HAZMAT notifications by LOCODE. According to the current XML Reference Guide, the next port of call is not mandatory information in HAZMAT, when the vessel is bound for a non EU port; that is the reason why "port unknown" has a higher proportion. In comparison with previous months the proportion of the "ZZCAN" LOCODE in Port Notifications decreased due to the follow-up actions performed by the Maritime Support Services (MSS) and the MS.

2.4. Availability of the SSN EIS (H/W, S/W, communications etc) and the response time (diagram)

For technical reasons EMSA test probe tool information on the availability could not be provided for January 08.

2.5. Error Analysis

The table in this chapter shows the numbers of "not accepted" notifications in SSN by type of error and by Member State. N/R stands for user not identifiable.

Table 4 – Errors Analysis (Jan.2008)

COUNTRY	AccessDenied	InvalidFormat	ServerError	TOTAL
Belgium		799	2,618	3,417
Denmark		82,003	22,850	104,853
Finland		87	1	88
Germany		12	6	18
Ireland		3		3
Italy		103		103
Lithuania		1,550	2	1,552
Malta		268	20	288
N/R		7		7
Netherlands		511,203	212	511,415
Norway		706	9	715
Poland		398	275	673
Portugal		21		21
Spain		152	2	154
Sweden		2,421	253	2,674
Total	0	599,733	26,248	625,981

EMSA comment

The numbers of the error messages are still very high as a side effect of the deployment of the new SSN version 1.9. These numbers decreased significantly in all cases except for one country. EMSA and the SSN group are developing actions to correct this invalid format of messages. A possible reason causing this error may be due to the monitoring procedure in SSN v1.9 for handling and analysing the rejected messages.
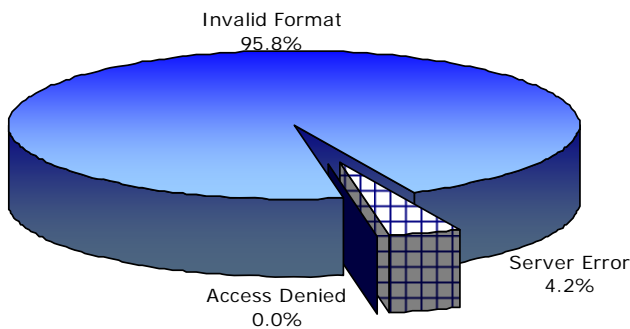
Figure 5 – Errors per Type

Invalid Format 95.8%
Server Error 4.2%
Access Denied 0.0%

Figure 6 – Errors: Dec.06/Jan.08
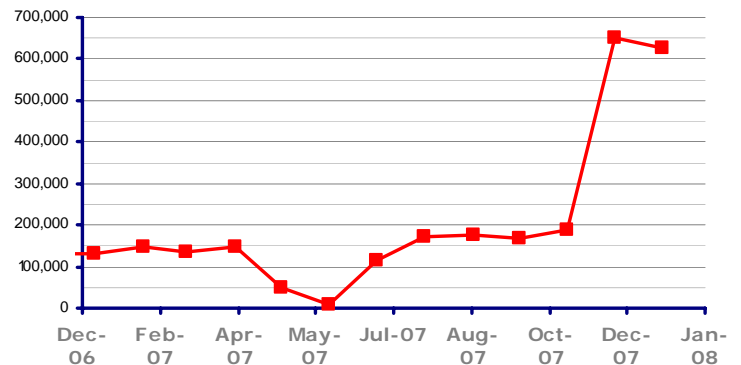

2.6. Ship database and new entrees during the previous month

The total number of ships recorded in SafeSeaNet database (associated with IMO number, MMSI, ship's name and call sign) is 31,562 records.
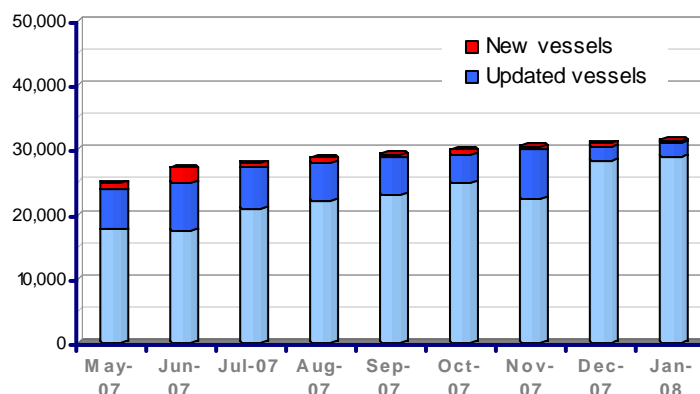
EMSA comment

During the last month 492 new vessels were recorded and 2,182 vessels updated, in a total of 2,674 records created/updated (average of 670 records per week).

Table 5 – Ship database

	New vessels	Updated vessels	TOTAL	var (%)
Mar-07	1,256	4,553	23,008	3.15%
Apr-07	842	4,487	23,850	3.66%
May-07	1,096	6,260	24,946	4.60%
Jun-07	2,274	7,517	27,220	9.12%
Jul-07	744	6,407	27,964	2.73%
Aug-07	805	5,825	28,769	2.88%
Sep-07	597	5,729	29,366	2.08%
Oct-07	722	4,486	30,088	2.46%
Nov-07	528	7,709	30,616	1.75%
Dec-07	454	2,169	31,070	1.48%
Jan-08	492	2,182	31,562	1.58%

Figure 7 – Ship database

2.7. SSN Users

The table in this chapter gives a picture of the SSN registered Authorities and Users by Member State per associated role.

Table 6 – SSN Users (Jan.2008)

COUNTRY	Authorities						TOTAL	Users						TOTAL
	SSN	NCA	POR	CST	PSC	OTH		SSN	NCA	POR	CST	PSC	OTH	
Belgium		1	4	2	5		12		1	4	2	5		12
Czech Republic		1					1		2					2
Denmark		1					1		1					1
European Union	1						1	9						9
Finland		1	1	5	2		9		2	2	14	3		21
Germany		1	33				34		1					1
Iceland		1	33	1	1	1	37		1		1	1		3
Ireland		1		1			2		1		3			4
Italy		1					1		2					2
Latvia		1	5	1	1	8	16		1	5	2	1	8	17
Lithuania		1	1		1	1	4		1	1		6	1	9
Luxembourg		1					1		1					1
Malta		1	1	1			3		3					3
Netherlands		2	9	1	1	1	14		3	7	1	2	1	14
Norway		1					1		1					1
Poland		1	7				8		1					1
Portugal		1	22				23		1	22				23
Romania		1	5	1		3	10		1	5	1		3	10
Slovenia		1	1	1	1	1	5		2	1	1	1	1	6
Spain		1		20	30	1	52		2		23	30	1	56
Sweden		1					1		1					1
United Kingdom		1					1		1					1
TOTAL	1	22	122	34	42	16	237	9	30	47	48	49	15	198

EMSA comment

The table shows that some Member States have not yet introduced in SSN all their users, namely their LCAs (PORT, PSC and CST). Significant effort has been made since SSN workshop 8 and the number of LCAs authorities has increased.

3. Member States XML status

This table gives the full picture of the situation of each MS regarding the XML status (automatic connection for the message exchange):

		Notifications (XML interface)			
		Port	Hazmat	Ship	Alert
BE	Belgium	yes	yes	yes	no
BU	Bulgaria	no	no	no	no
CY	Cyprus	no	no	no	no
DK	Denmark	com	yes	yes	no
EE	Estonia	no	no	no	no
FI	Finland	yes	yes	no	no
FR	France	com	com	com	com
DE	Germany	yes	yes	yes	no
GR	Greece	no	no	no	no
IC	Iceland	com	com	com	no
IE	Ireland	com	com	com	com
IT	Italy	yes	yes	yes	yes
LV	Latvia	no	no	no	no
LT	Lithuania	yes	yes	yes	no
MT	Malta	yes	yes	yes	com
NL	Netherlands	yes	yes	yes	no
NO	Norway	yes	yes	yes	yes
PL	Poland	yes	yes	yes	yes
PT	Portugal	yes	yes	no	no
RO	Romania (')	no	no	no	no
SI	Slovenia (')	no	no	no	no
ES	Spain	yes	yes	no	no
SE	Sweden	yes	yes	yes	no
GB	United Kingdom	com	com	com	com

(') operational using the WEB interface   updated: 07.February.2008

Yes: means in production;

Com: means commissioned, test successfully completed but not in production;

No: means under testing or activities as previously referred.