

The Latvian SSN and development strategies for National Single Window

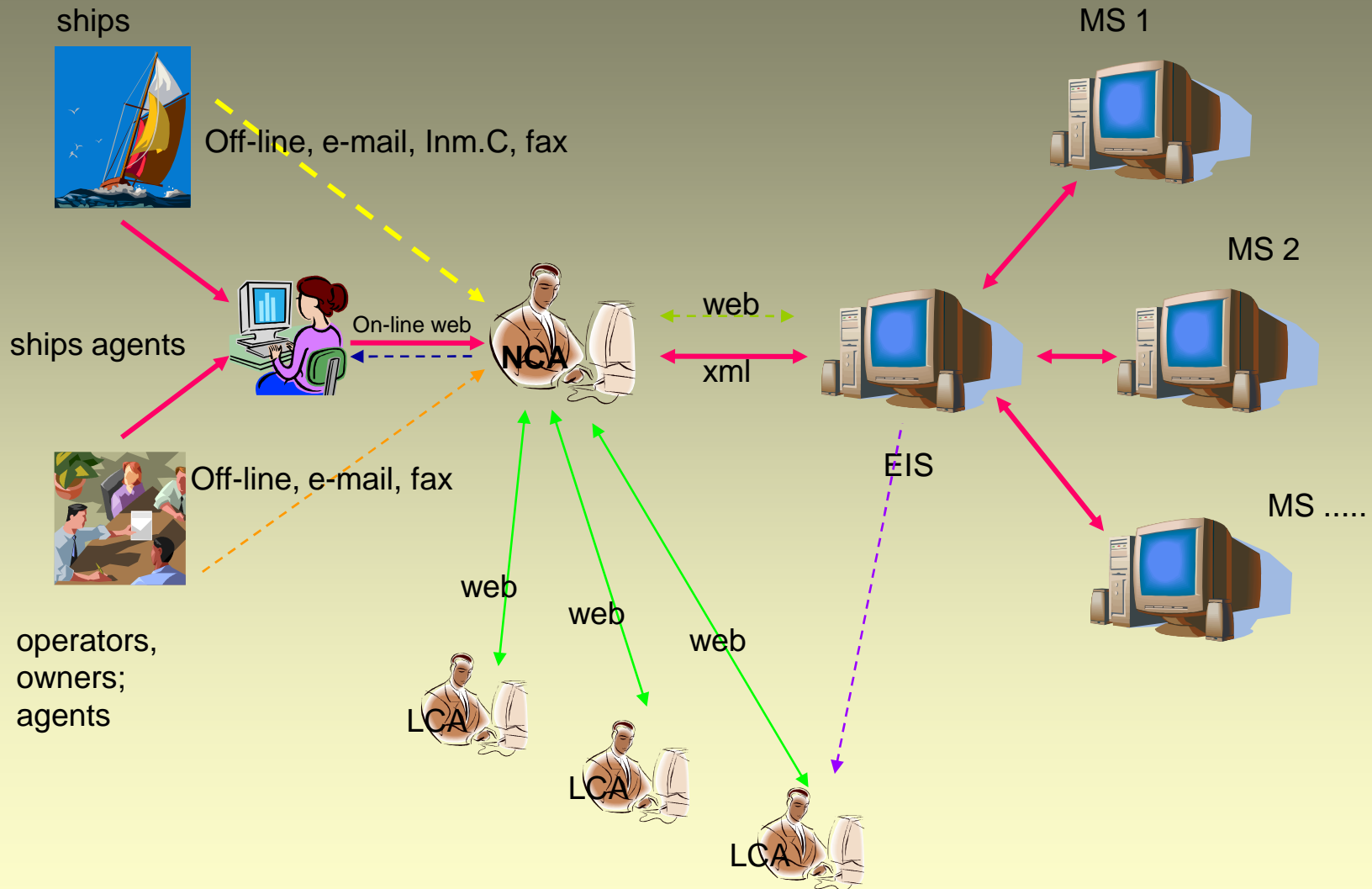
Lieutenant Commander Edmunds Belinskis
Maritime Safety and Security officer Latvian Coast Guard Service



Related legislation


- **SOLAS regulation XI-2/9 (ISPS);**
- **European Parliament and Council regulation Nr.725/2004, Article 6;**
- **Directive 2002/59/EC of 27 June 2002;**
- **Maritime Administration and Marine Safety law (LVA), Article 7 (4);**
- **Regulation Nr.826 “Exchange of Data with the EU systems” of the Cabinet of Ministers (03.10.2006), Article 17;**
- **National MAS plan, LCGS, part 2.**

Concept of the national SafeSeaNet system



Nice to see you EDMUNDS BELINSKIS (CSTLVRIX12) ... Log out ... → HELP

SafeSeaNet Visits AIS ShipOnline - forms Admin

LATVIAN COAST  GUAR

Current notifications Monitor Search engine Users XmlTree XsdFields Ad

Current notifications

Ship: Sender: Send date from: Send date to: Persons on board: Next port: Previous port:

Sender:	Send date:	Ship Information:	Notifications:	Details of the visit:	Send all:	Ca
AGNLVVNT19	2008-08-29 20:46	EMSTAL MMSINumber: 304142000 IMONumber: 9073086 CallSign: V2AZ8 First port: Ventspils (LVVNT)	<u>PORT</u> Sent <u>SECURITY</u> Sent	<u>Details</u>	<u>Send all</u>	<u>Canc</u>
AGNLVVNT19	2008-08-29 20:08	EMSTAL MMSINumber: 304142000 IMONumber: 9073086 CallSign: V2AZ8 First port: Ventspils (LVVNT)	<u>PORT</u> Sent <u>SECURITY</u> Sent	<u>Details</u>	<u>Send all</u>	<u>Canc</u>

Rīga SSI - Mozilla Firefox

File Edit View History Bookmarks Tools Help


Back Forward Reload Stop Home <https://www.safeseanet.lv/member.php> Adblock

Most Visited Getting Started Latest Headlines

<http://www.mrcc.lv/> Rīga SSI

Nice to see you EDMUNDS BELINSKIS (CSTLVRIX12) ... Log out ... → HELP

SafeSeaNet Visits AIS ShipOnline - forms Admin

LATVIAN COAST  GU

Login: First name: Last name: Set filter

Last name:	First name:	Institution:	Active from:	Login:	Groups:	Permissions	Edit	Noti
Piwakowski	Wojciech		1977.05.25	admin	1 (1)	Permissions	Edit	Noti
Sedov	Konstantin		2008.04.24	AdministratorLV	1 (1)	Permissions	Edit	Noti
SULCS	JURIS	AGN-BTA	2008.04.10	AGNLVLPX11	1 (1)	Permissions	Edit	Noti
Korneev	Konstantin	AGN-ANDRE Maritime agency	2008.04.16	AGNLVLPX12	1 (1)	Permissions	Edit	Noti
Vilcans	Ivars	AGN-Terrabalt SIA	2008.04.16	AGNLVLPX13	1 (1)	Permissions	Edit	Noti
Lagzdins	Ainars	SIA A&A Trading	2008.04.16	AGNLVLPX14	1 (1)	Permissions	Edit	Noti
Ignatjev	Vladislav	AGN-Kompass-Tranzits	2008.04.16	AGNLVLPX15	1 (1)	Permissions	Edit	Noti
Serdjuk	Roman	AGN-Alpha Shipping Company	2008.04.20	AGNLVLPX16	1 (1)	Permissions	Edit	Noti
Krafts	Normunds	AGN-LASKANA SIA	2008.04.20	AGNLVLPX17	1 (1)	Permissions	Edit	Noti

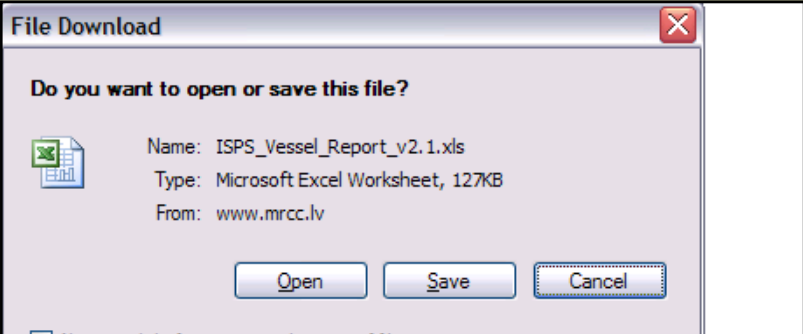
NCA users – 9 (LCGS)

LCA users – 91

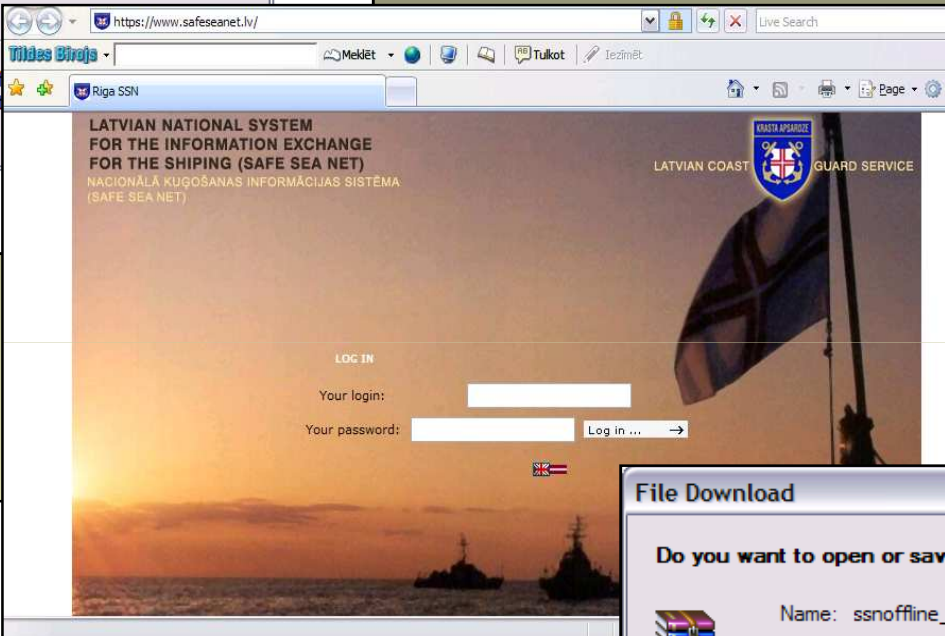
Authorised “on-line” users - 152

Off-line users - unlimited

Access solution

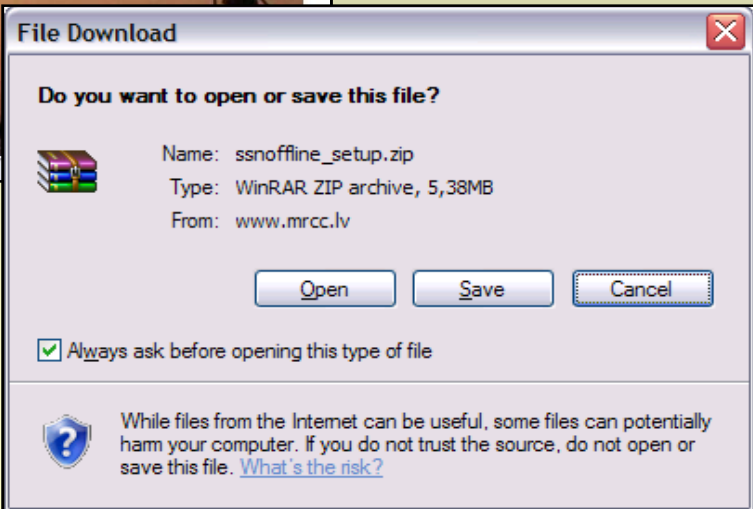
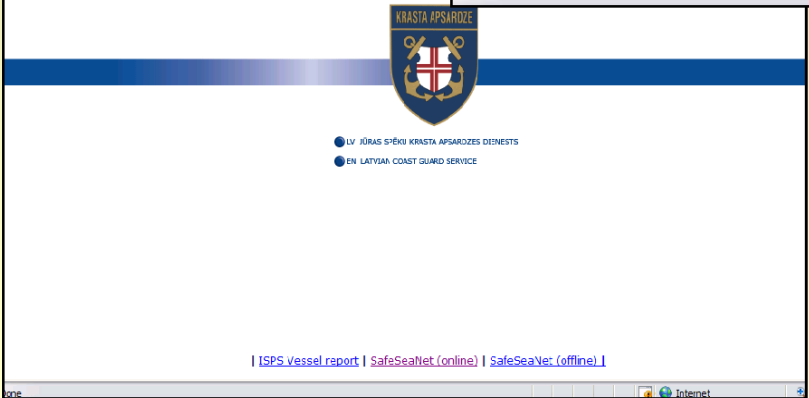


Fax/E-mail



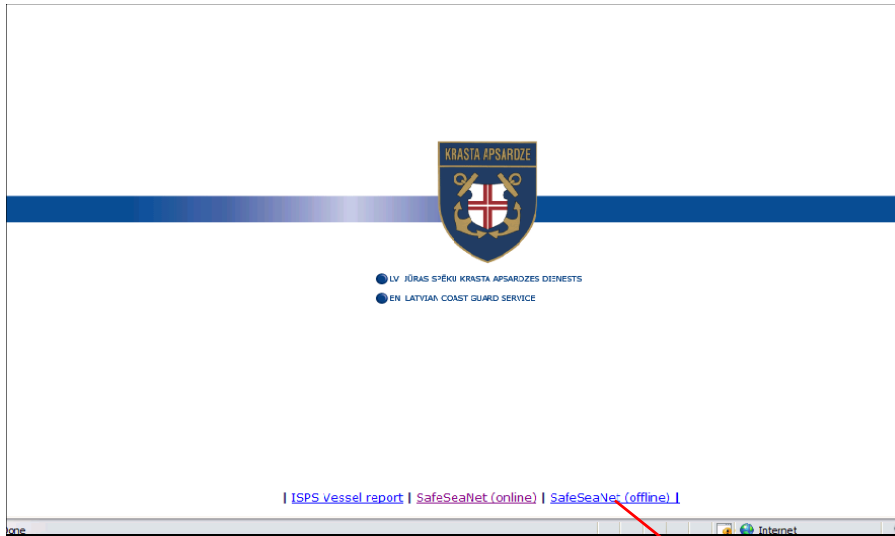
“Web On-line”

<http://www.mrcc.lv>



“Off-line”

“Off-line” solution



1) access www.mrcc.lv

2) Download
“ssnoffline_setup.zip”

3) Install a software. It can be used in future also. All the reports details will be stored into attached database.

6) Save a report created. Software will create a zip.file automatically.

5) Fill the fields requested

4) Open the form

7) Attache a created zip. file to an e-mail

8) Send an e-mail to the ship agent in Latvia or NCA Latvia

9) Received report will be uploaded into SSN Latvia (automated function “Upload report”) by agent or NCA operator.

“National Single Window” development

AIS
???

NATIONAL
SSN

On-line

NCA
authorised
user

E-mail

Off-line

Data
provider

SINGLE REPORTING FORM

DATA COMPILATION

- BALAST REP
- ISPS REPORT
- FAL FORM 1
- FAL FORM 2
- FAL FORM 3
- FAL FORM 4
- FAL FORM 5
- FAL FORM 6
- FAL FORM 7
- PSC REPORT
- SSN PORT
- SSN HAZMAT*
- SSN SECURITY
- SSN SHIP/ MRS*
- ???

DATABASE

REPORTING

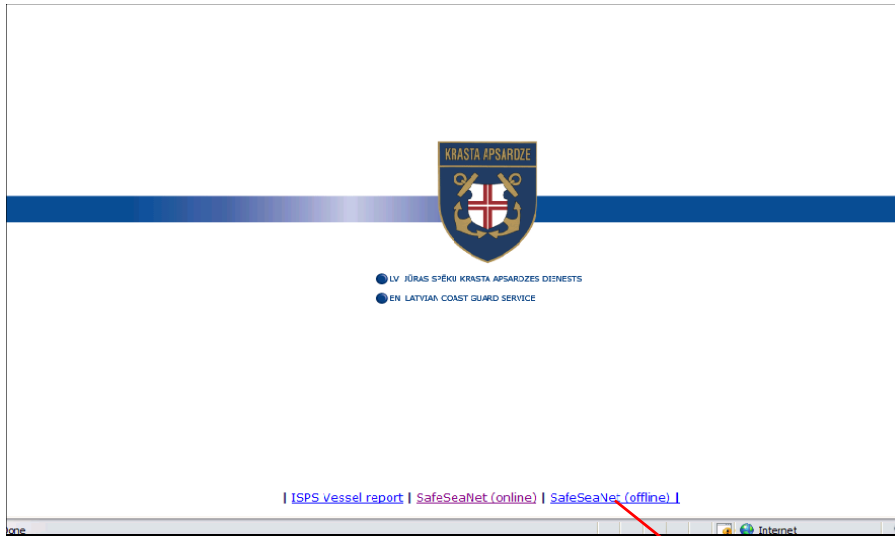
ACCESS MANAGEMENT

FIREWALL

- IMWA
- PSC
- PORTS
- SBG
- CUSTOMER
- FFRS
- MADoL
- MoT
- POLICE
- EIS
- ???
- ???

NSW Functionality

“Off-line” solution



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Access & users authorisation

https://www.safeseanet.lv/member.php?memb_menu=rules_edit&rls_rule_id=8f4b15cbc969e770cd6e71918fdd89fc&futix=-27901000

Set user permissions Ivars Vilcans (AGNLVLPX13)

	Read	Add	Update	De
AIS	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited v No
Logger	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited v No
Visits	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited v No
NCA	<input type="text" value="inherit"/> inherited value : Yes	<input type="text" value="inherit"/> inherited value : Yes	<input type="text" value="inherit"/> inherited value : Yes	<input type="text" value="inherit"/> inherited v Yes
Users	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited v No
Groups	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited v No
SSN	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited v No
SSN Admin	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited v No
AIS_ADMIN	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited value : No	<input type="text" value="inherit"/> inherited v No

Automated data control and verification

Latvian Coast Guard Service / MRCC Riga					
Version 2.1 October 2005		MRCC Riga / Latvian CG Address			
Place mouse over here for information		Telephone	+3717082064	Urgent	3717082070
		Inmarsat C	581427518510	E-mail	lars1@mrcc.lv
ISPS Vessel report <small>(Send report by E-mail - Telefax transmission is not accepted.)</small>					
Name of vessel	ELVITA	2. Registration	MALTA	3. IMO number	7811410
		4. Call Sign	9HHD6	5. Nationality	MALTA
		6. Vessel Type	GENERAL CARGO SHIP		
Vessel Communications:		7. Mobile Telephone	+37253483934		8. Telefax
		9. E-mail			
		10. Inmarsat C	724850411		
		11. Other satellite communication numbers			
12. Registered owner	TALURUS MARITIME Co.Ltd.		13. Owner's Email		
14. Owner's Address	18/2 SOUTH STR VALSTANT II, MALTA		15. Owner's telephone	3726063726	
16. Manager	EESTINOVA OU, TALLIN		17. Manager's E-mail	INFO@BAFF.EU	
18. Manager's Address			19. Manager's telephone	+38124958184	
20. Gross tons	1707	21. Draft	3,6	22. Fuel onboard	
23. Present Position	BRUGGE		24. Crew	9	25. Pass
26. Class of vessel	11-100 ASE		27. Date of report	03.05.07	
28. Last Port of Call before Latvia	BRUGGE		29. First port in Latvia/ Berth No.	RIGA	
30. ETA first port Latvia	08.04.07		31. Pilot requested		
32. Time of report	17.00				
33. Other port calls in Latvia/ Berth No.	LIEPAIA NO				
34. Port of departure in Latvia	RIGA		35. ETD last port Latvia	12.04.07	
36. Entry position and how far into the Latvian EEZ					
37. Next destination after Latvia	ORDER		38. Agent in entry country	KENNEDY HUNTER	
39. International Ship Security Certificate issued by	21.03.2007		40. Security number	07.0091.041	
41. Certificate date	15.07.2012		42. Contagious diseases yes/no		
43. Estimated route to destination in Latvia					

https://www.safeseanet.lv/sp.php?sp_menu=notif_form&sp_notif_id=1e4836567eedbf860026bb88061aac36&sp_notif_type=1&fuitx=-3

Form has 1 errors

PORT

Notification

VesselIdentification

IMONumber

8306498

MMSINumber

275380000

CallSign

YLBS

ShipName

Silja Festival

VoyageInformation

NextPortOfCall

SESTO

These are only valid destinations: / ^LV[A-Z]{3}\$|^ZZUKN\$/

ETA

2009-05-13T11:00:00

TotalPersonsOnBoard

556

ETD

2009-05-13T17:30:00

Form has been send/canceled and cannot be further modified

Data quality control

Back	Forward	Reload	Stop	Home	https://www.safeseanet.lv/ssn_user.php?ssn_menu=log_not	Google	Adblock Plus
Most Visited Getting Started Latest Headlines							
http://www.mrcc.lv/ Riga SSN							
PORT	2009.05.13 12:01	304909000	9356414	BBC TRINIDAD	LVRIX	2009.05.14 05:00	202 OK The message processed successfully. XM
PORT	2009.05.13 11:25	376562000	7525334	AMIRANTE	LVLPX	2009.05.14 08:00	202 OK The message processed successfully. XM
PORT	2009.05.13 11:22	244741000	9279408	FLINTERBOTHNIA	LVVNT	2009.05.14 07:30	202 OK The message processed successfully. XM
PORT	2009.05.13 10:57	357627000	9250464	MSC OPERA	LVRIX	2009.05.14 06:00	202 OK The message processed successfully. XM
PORT	2009.05.13 09:15	304909000	9356414	BBC TRINIDAD	LVRIX	2009.05.14 05:00	202 OK The message processed successfully. XM
PORT	2009.05.13 08:08	0	9433456	SOPHIA	lvrix	2009.05.15 12:00	202 OK The message processed successfully. XM {"Output XML validation warning MS2SSN_Port_Not [Body] [Notification] [VoyageInformation] [NextPortOfCall]: These are only valid destinations: /^LV[A-Z]{3}\$ ^ZZUKN\$/ "}
PORT	2009.05.13 08:04	419671000	8130667	PFS NARAYANA	LVRIX	2009.05.14 13:00	202 OK The message processed XM

Early warning

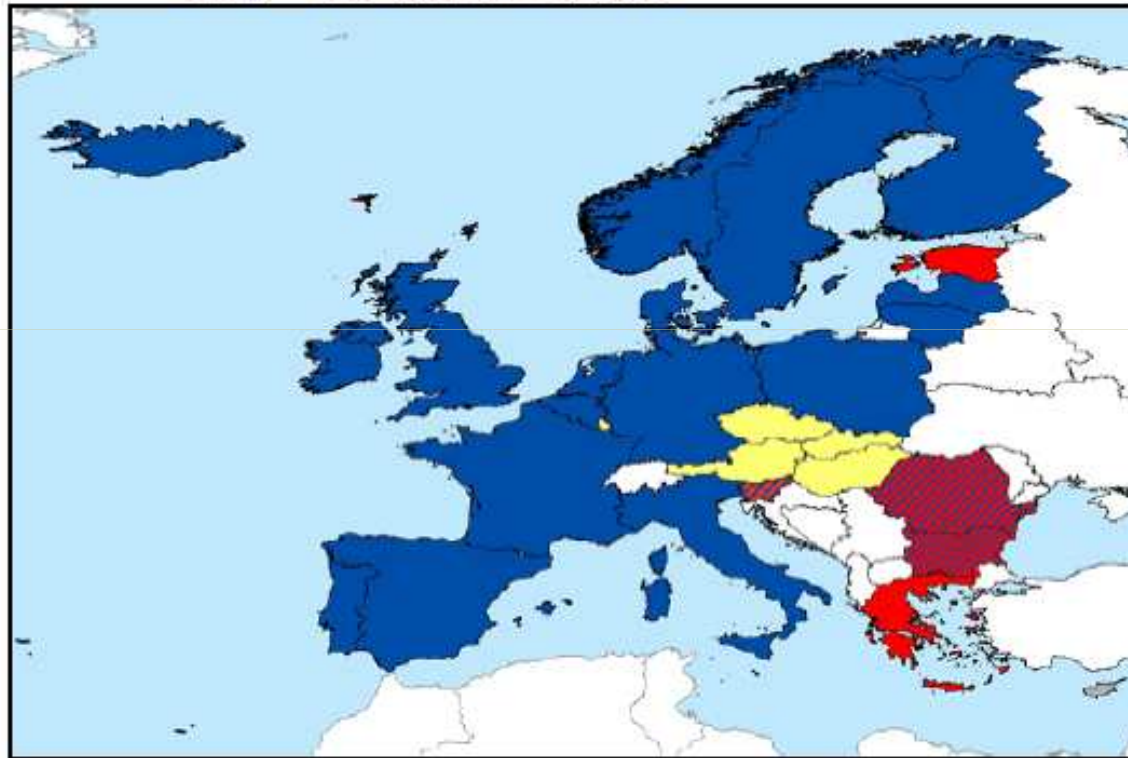
URALS STAR	A8JP9	9309435	636091119	Tanker (80)	Under way using engine (0)	 59° 1.59' N  021° 25.87' E 177.9 NM	14.3 kts	211°	213°	0°/min	13-05-2009 16:20:18	No	
DZELME	YLMS	8871273	275183000	Vessel Engaged in dredging or underwater operations (33)	Not defined (15)	 57° 23.47' N  021° 35.21' E 124.3 NM	0 kts	N/A	151°	N/A	13-05-2009 16:20:17	Yes	SHIP: 13-05-2009
BBC TRINIDAD	V2BS2	9356414	304909000	Cargo ship carrying DG, HS or MP IMO hazard or pollutant category A (71)	Under way using engine (0)	 57° 8.83' N  019° 24.54' E 99.3 NM	13.6 kts	54.8°	57°	0°/min	13-05-2009 16:20:17	No	PORT: 13-05-2009 SECURITY: 13-05-
ATHINA	A8MM7	9389564	636013375	Tanker (80)	Under way using engine (0)	 57° 26.15' N  021° 23.90' E 123.8 NM	7.5 kts	272.3°	263°	L 20°/min	13-05-2009 16:20:17	Yes	SHIP: 13-05-2009
AMORE	P3QZ9	8801060	210357000	N/A	Not defined (15)	 57° 2.13' N  024° 4.86' E 149.3 NM	0 kts	N/A	N/A	N/A	13-05-2009 16:20:16	Yes	SHIP: 13-05-2009
BALTIC MARINER	UBKB	9175195	273318450	Tanker (80)	Under way using engine (0)	 58° 32.90' N  021° 25.89' E 161.4 NM	8.2 kts	16.2°	14°	R 3°/min	13-05-2009 16:20:16	No	SHIP: 13-05-2009
MLSP D-6	UFKB	0	273441410	N/A	Not defined (15)	 55° 19.66' N  020° 34.44' E 52.9 NM	0 kts	N/A	N/A	N/A	13-05-2009 16:20:16	No	
SKORPION	YLCB	7004342	275007000	Tanker carrying DG, HS or MP IMO hazard or pollutant category D (84)	Under way using engine (0)	 57° 24.13' N  021° 34.60' E 124.6 NM	0 kts	N/A	119°	N/A	13-05-2009 16:20:16	Yes	SHIP: 13-05-2009
URAN	YL2526	9315422	275305000	Tug (52)	Under way using engine (0)	 57° 0.31' N  024° 5.76' E 148.9 NM	0 kts	N/A	N/A	N/A	13-05-2009 16:20:16	Yes	SHIP: 13-05-2009

Why SSN ?

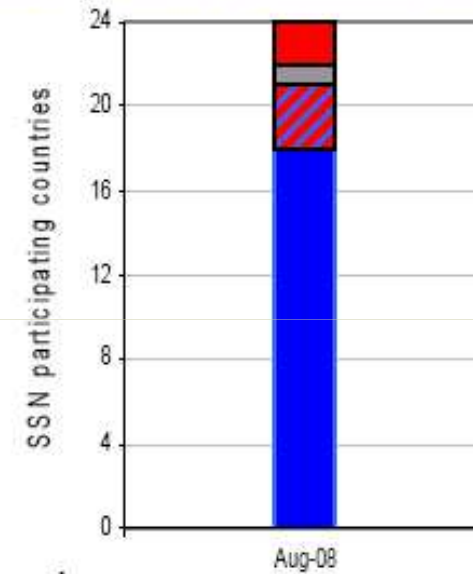
1. Common technical platform for maritime data exchange:
 - stability;
 - 24/7 management;
 - common standards;
 - availability.
2. Common legislation as baseline

3.1 –SSN Participating Countries

Map – MS current status



Graph 1 – SSN Implementation



Legend:

- Countries participating in SSN through XML
- Countries participating in SSN through the Web
- Countries ready to participate in SSN
- Countries not participating in SSN
- Landlocked countries

Lessons learned

- 1. To avoid increasing work load caused by paper work the SSN reports should be integrated into an information flow application supporting the full reporting management process**
- 2. The internationally accepted reporting forms must be used**
- 3. Guaranteed access for all the users should be provided**

Problems observed

1. **“Variety of legislations”**
 - IMO FAL;
 - ISPS;
 - EC SSN, ...
2. **“The situation in real life does not follow theory sometimes”**
 - “Vessels (information provider) have no permits or have a limited access to use a SSN”
 - “Users are not aware to use SSN”
 - “No advise for the ship by authorities to use a SSN”
3. **“Work load caused by paper work is still increasing”**
4. **“From the ship point of view it is common that different authorities are asking the same questions already answered by the ship”**
5. **“If every country makes its own versions, it would be immature”**
6. **“Many ships have no internet connection or have a limited usage rights to download an execution program (Off-line) or report on “On-line”**

Benefits noted

1. **“Single point of contact”**:
 - Data are provided to one, single point of contact.
 - Single login procedure
2. **“Single Window”** :
 - Decreases work load for the shipping agencies and ship crews
 - Single reporting form
 - Automated creation of reports
3. **Efficient user management**:
 - Authorised access for national users (“On-line” module)
 - Access for non-authorised users (“Off-line” module)
 - Common reporting form from MRCC Riga website (<http://www.mrcc.lv/>) can also be used in other countries
 - Resulting file can be attached to e-mail
4. **Data quality control**:
 - ships data verification in common databases
 - usage of LoCodes
 - “now” ≤ ETA < ETD
5. **Alternatives on reporting (allowed for some of reports)**
 - direct reporting by filling the form
 - reporting form as an attachment to e-mail
 - notice about the POC ashore

