

# Introduction to THETIS-EU

In support of the PRF Directive

Frank Rohling

B.3.3 - Ship Inspection Support

Lisbon / 19 October 2016



Web-based tool for recording ship  
inspections regulated by Union  
legislation

**Regime** is the subject governing the scope of an inspection

**Sulphur** and **PRF** are the current  
foreseen Regimes

*THETIS-EU was initially called THETIS-S  
when in support of Sulphur Regime only.*

## THETIS



**International Conventions  
(PSC Directive)**



- ✓ Storage of inspection data
- ✓ Targeting



## THETIS-EU



**Sulphur Directive  
PRF Directive  
(...)**



- ✓ Storage of inspection data



- ✓ Ship Details
- ✓ PortCall Details



## THETIS-EU

Member States

Data Providers

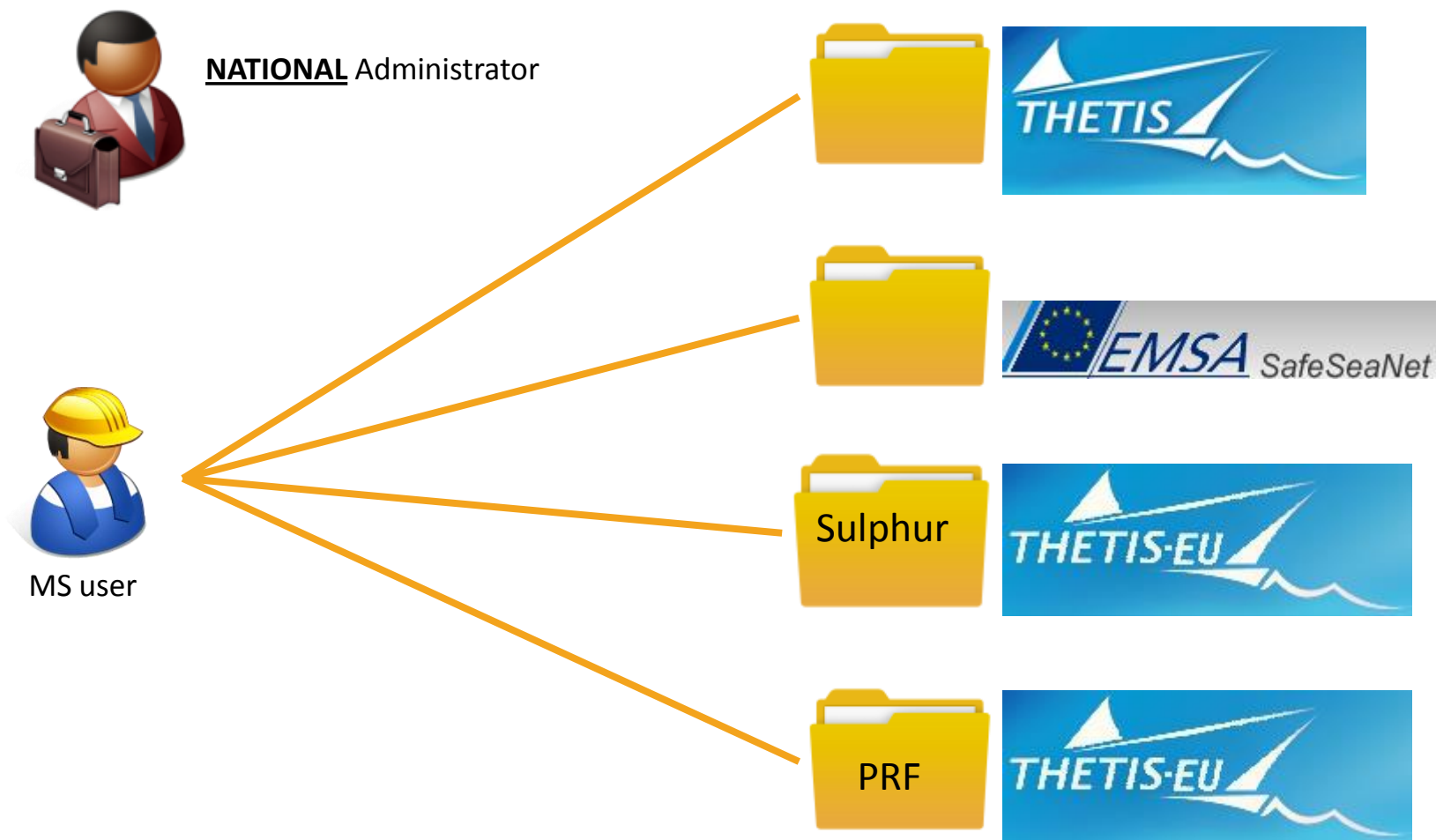
System  
Administrator

Inspectors

National  
Administrators

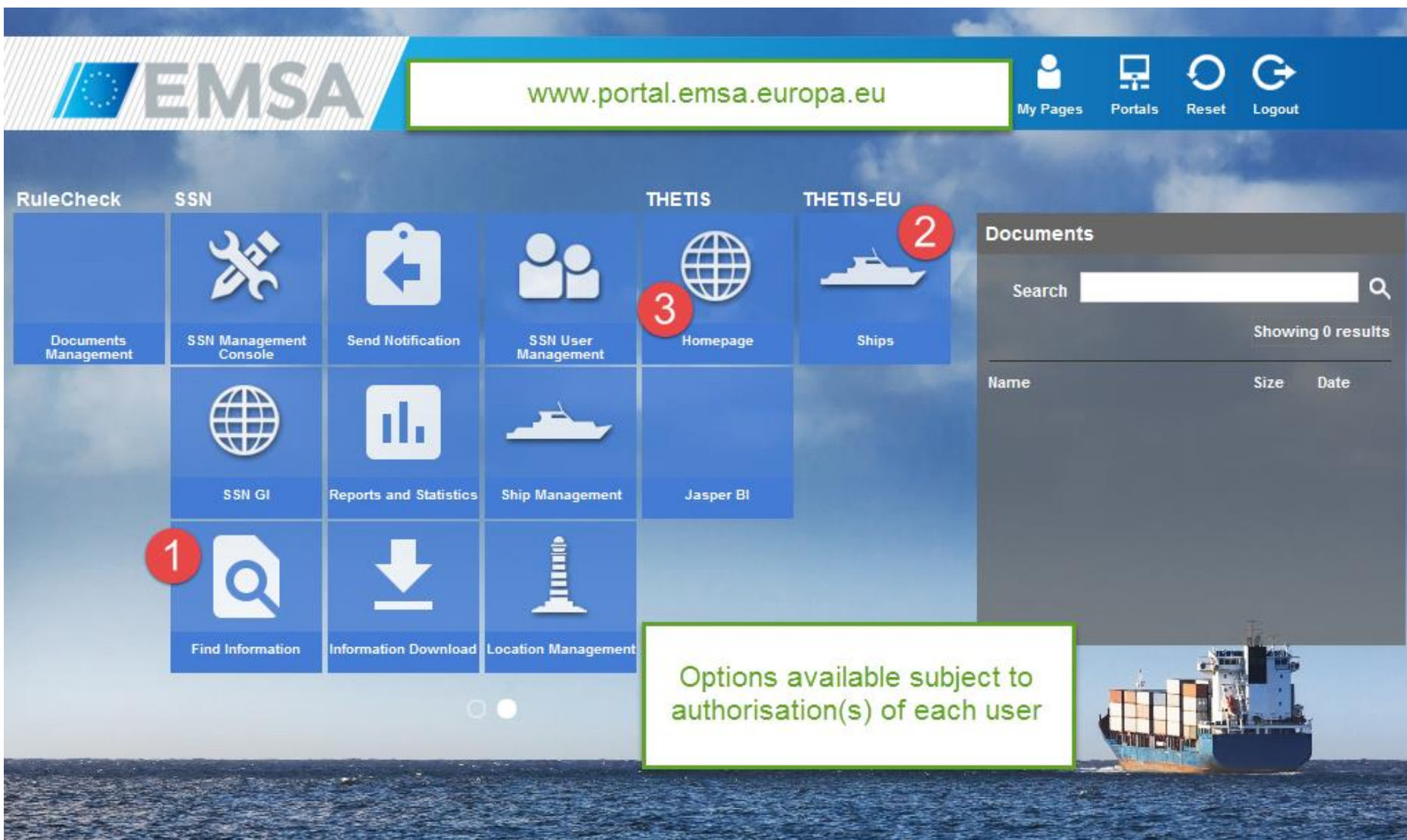
SSN

3<sup>rd</sup> Parties





# Result of authorisation



The screenshot displays the EMSA portal interface. At the top, the EMSA logo is on the left, and the URL [www.portal.emsa.europa.eu](http://www.portal.emsa.europa.eu) is in the center. To the right of the URL are icons for 'My Pages', 'Portals', 'Reset', and 'Logout'. Below the header, the main content area is divided into several sections. On the left, there are four columns of service tiles: 'RuleCheck' (Documents Management), 'SSN' (SSN Management Console, SSN GI, Find Information), 'THETIS' (Send Notification, SSN User Management, Reports and Statistics, Information Download), and 'THETIS-EU' (Ships, Jasper BI). A red circle with the number '1' is next to the 'Find Information' tile. A red circle with the number '2' is next to the 'Ships' tile. A red circle with the number '3' is next to the 'Homepage' tile. On the right, there is a 'Documents' sidebar with a search bar and a table with columns 'Name', 'Size', and 'Date'. The table shows 'Showing 0 results'. A green box at the bottom right contains the text: 'Options available subject to authorisation(s) of each user'.

EMSA

[www.portal.emsa.europa.eu](http://www.portal.emsa.europa.eu)

My Pages Portals Reset Logout

RuleCheck SSN THETIS THETIS-EU

Documents Management

SSN Management Console

Send Notification

SSN User Management

Homepage

Ships

SSN GI

Reports and Statistics

Ship Management

Jasper BI

Find Information

Information Download

Location Management

Documents

Search

Showing 0 results

Name Size Date

Options available subject to authorisation(s) of each user

# IdM: 1 single account

Welcome Frank Rohling

CLOSE WINDOW

## Create User

You may create a new user from this page.

\* Mandatory fields

User ID	*	<input type="text"/>
First Name	*	<input type="text"/>
Middle Name		<input type="text"/>
Last Name	*	<input type="text"/>
Email	*	<input type="text"/>
Phone Number		<input type="text"/>
Initials	*	<input type="text"/>

Password	<input type="password"/>
Confirm Password	<input type="password"/>
Authority Type	<input type="text"/>
Authority	<input type="text"/>
Local Authority	<input type="text"/>
Address	<input type="text"/>
Change Password at next logon	<input type="checkbox"/>

*	<input type="password"/>	<a href="#">Show Password Policy</a>
*	<input type="password"/>	
*	<input type="password"/>	<a href="#">Clear</a>
*	<input type="password"/>	<a href="#">Clear</a>
	<input type="password"/>	<a href="#">Clear</a>
	<input type="text"/>	
	<input type="checkbox"/>	

Select Thetis application groups to assign user as member of

Results 1-14 of 14

[First](#) | [Previous](#) | [Next](#) | [Last](#)

Group Name

THETIS Allocators
THETIS Classification Societies
THETIS Inspectors
THETIS National Administrators
THETIS ParisMou Secretariat Administrator
THETIS ParisMou Secretariats
THETIS PortCallManagers
THETIS Processors
THETIS Readers
THETIS Statistic Analysers
THETIS Supervisors

4

1. National Administrator, created by EMSA

2. THETIS-EU Inspector, account created and managed by the National Administrator

3. THETIS-EU Reader, account created and managed by the National Administrator

4. Other options for which the National Administrator may be authorised.

2

1

3

Thetis-EU Inspectors
Thetis-EU National Administrators
Thetis-EU Readers

[First](#) | [Previous](#) | [Next](#) | [Last](#)



# All users, different (or identical) roles

Search users

Member state

Netherlands

Organization

Regimes

Login

First Name

Last Name

Role

Status

Search

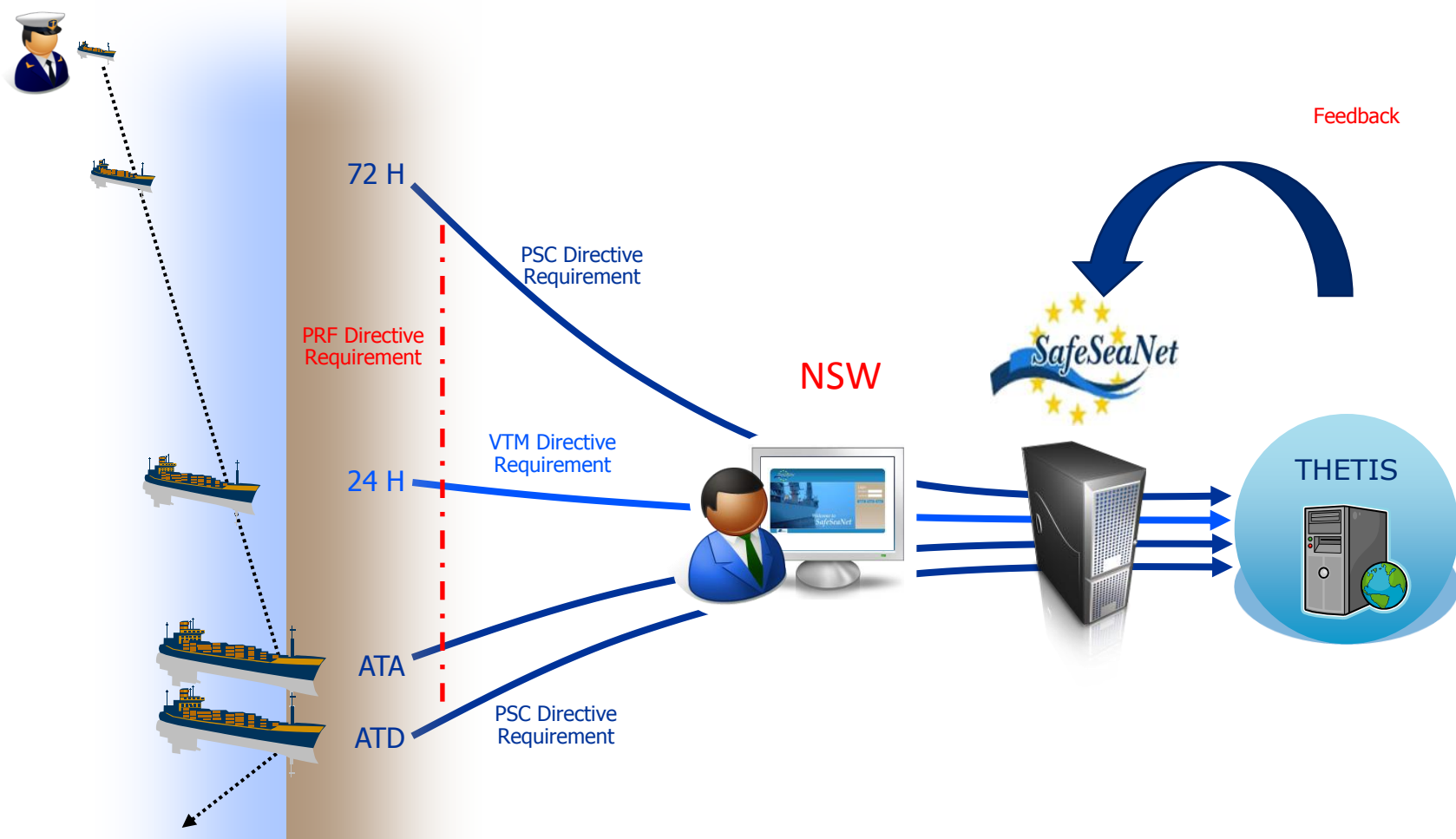
Reset

User Results

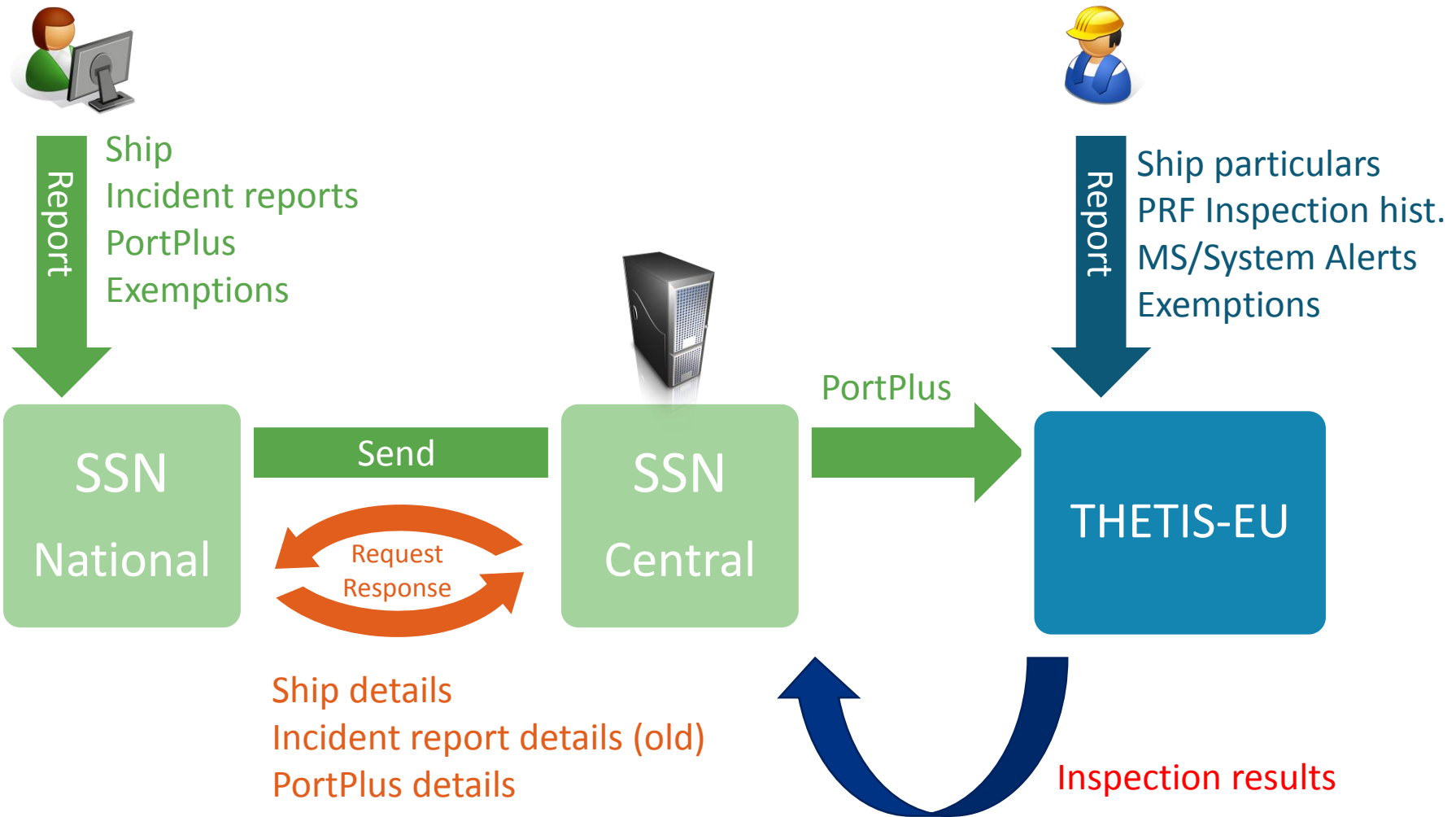
	Login	First Name	Last Name	Initials	Organization	Regimes	Roles	Status
Actions					Netherlands Shipping Inspectorate	PRF	Inspector	Provisioned
Actions					Netherlands Shipping Inspectorate	PRF	Inspector	Provisioned
Actions					Netherlands Shipping Inspectorate	PRF	Inspector	Provisioned
Actions					Netherlands Shipping Inspectorate	PRF	Inspector	Provisioned
Actions					Netherlands Shipping Inspectorate	PRF	Inspector	Provisioned
Actions					Netherlands Shipping Inspectorate	PRF	Inspector	Provisioned
Actions					Netherlands Shipping Inspectorate	Sulphur PRF	Inspector	Provisioned
Actions					PRF	Inspector	Provisioned	
Actions					Sulphur PRF	Inspector	Provisioned	
Actions					PRF	Inspector	Provisioned	

PRF	Inspector
PRF	Inspector
PRF	Inspector
Sulphur PRF	Inspector
Sulphur PRF	Inspector
Sulphur PRF	Inspector

# Reporting Obligations



# Interaction with SSN, schematic presentation



# Searching for ships

Ships Administration Documents Documents Management

THETIS-EU Site Inspection Portlet(2.0.8@07.07.2016\_22:32)

Search ships

IMO Number  Flag  Member state

Name  Ship type  Port

MMSI  Alert status  Port call status

Ship status  Situation  Most relevant call ☒

Search Filter Reset

Search options for anything the user likes to search for

"most relevant call"

Ship Results

	Situation	IMO	Alert	Name	Flag	Ship type	Port	ETA	ATA	ETD	ATD	Calls
Actions		9356646		ST SARA	France	Chemical tanker	Rotterdam NLRTM	08-09-2016 10:00	09-09-2016 14:17	10-09-2016 03:00		
Actions		9419785		PARTICI	Liberia	Container	Vlissingen NLVLI	09-09-2016 12:30	09-09-2016 14:14	10-09-2016 14:14		
Actions		9312080		PATAGONIA	Malta	Chemical tanker	Rotterdam NLRTM	09-09-2016 12:00	09-09-2016 14:08	11-09-2016 10:00		
Actions		9167930		TARNFORS	Denmark	Chemical tanker	Rotterdam NLRTM	09-09-2016 12:00	09-09-2016 14:05	10-09-2016 14:00		
Actions		9784465		SOLUTION	Netherlands	Offshore supply	Delfzijl NLDZL	09-09-2016 12:00	09-09-2016 13:59	20-09-2016 22:59		
Actions		8703139		DOUWENT	Liberia	General cargo/multipurpose	Amsterdam NLAMS	09-09-2016 12:00	09-09-2016 13:51	09-09-2016 22:00		
Actions		9183427		A2B ENERGY	Netherlands	General cargo/multipurpose	Rotterdam NLRTM	08-09-2016 08:00	09-09-2016 13:27	08-09-2016 22:00		
Actions		9489560		BOMAR VESTA	Malta	Chemical tanker	Rotterdam NLRTM	05-09-2016 23:01	09-09-2016 13:13	10-09-2016 13:30		

# Information through SSN



Ships Administration Documents Documents Management

THETIS-EU Site Inspection Portlet(2.6.8@07.07.2016\_22:32)




























Search ships

IMO Number	<input type="text"/>	Flag	<input type="text"/>	Member state	<input type="text" value="Netherlands"/>
Name	<input type="text"/>	Ship type	<input type="text"/>	Port	<input type="text"/>
MMSI	<input type="text"/>	Alert status	<input type="text"/>	Port call status	<input type="text" value="Arrived"/>
Ship status	<input type="text"/>	Situation	<input type="text"/>	Most relevant call	<input checked="" type="checkbox"/>

Search Filter Reset

Information provided through SSN

Ship Results

	Situation	IMO	Alert	Name	Flag	Ship type	Port	ETA	ATA	ETD	ATD	Calls	Ship status
Actions ▾		9356646		ST SARA		Chemical tanker	Rotterdam NLRTM	08-09-2016 10:00	09-09-2016 14:17	10-09-2016 03:00			Active
Ship ▾		9419785		PARTICI		Container	Vlissingen NLVLI	09-09-2016 12:30	09-09-2016 14:14	10-09-2016 14:14			Active
PortCall ▾		2080		PATAGONIA		Chemical tanker	Rotterdam NLRTM	09-09-2016 12:00	09-09-2016 14:08	11-09-2016 10:00			Active
Process inspection ▾		7930		TARNFORS		Chemical tanker	Rotterdam NLRTM	09-09-2016 12:00	09-09-2016 14:05	10-09-2016 14:00			Active
Alert ▾		9784465		SOLUTION		Offshore supply	Delfzijl NLDZL	09-09-2016 12:00	09-09-2016 13:39	20-09-2016 22:59			Active
Details ▾		8703139		DOUWENT		General cargo/multipurpose	Amsterdam NLAMS	09-09-2016 12:00	09-09-2016 13:51	09-09-2016 22:00			Active
Edit ▾		9183427		A2B ENERGY		General cargo/multipurpose	Rotterdam NLRTM	08-09-2016 08:00	09-09-2016 13:27	08-09-2016 22:00			Active
Add alert ▾		9489560		BOMAR VESTA		Chemical tanker	Rotterdam NLRTM	05-09-2016 23:01	09-09-2016 13:13	10-09-2016 13:30			Active
		9736107		TDHAMA		Container	Rotterdam NLRTM	09-09-2016 05:00	09-09-2016 13:13	11-09-2016 11:00			Active

# Alerts: create, consult, remove, edit

THETIS-EU

Ships Administration Documents Documents Management

THETIS-EU Site Inspection Portlet(2.0.0@07.07.2016\_22:32)

Search ships

IMO Number  Flag

Name  Ship type

MMSI  Alert status

Ship status  Situation

Search Filter Reset

Ship Results

	Situation	IMO	Alert	Ship name	Flag	Ship type	Port of call	Arrived	Departed	Next inspection	Ship status
Actions		9356646		ST SARA	France	Chemical tanker					
Ship		9419783		PARTICI	Liberia	Container					
PortCall		2080		PATACORSA	Malta	Chemical tanker	NLRTM	12:00	14:08	10:00	Active
Process inspection		7930		TAKINFORS	Danmark	Chemical tanker	Rotterdam NLRTM	09-09-2016 12:00	09-09-2016 14:05	10-09-2016 14:00	Active
Alert		9784465		SCHEFFER	Netherlands	Offshore supply	Delfzijl NLDEL	09-09-2016 12:00	09-09-2016 13:59	20-09-2016 22:59	Active
Actions		8703139		DOUWENT	Liberia	General cargo/multipurpose	Amsterdam NLAMS	09-09-2016 12:00	09-09-2016 13:51	09-09-2016 22:00	Active
Actions		9183427		A2B ENERGY	Netherlands	General cargo/multipurpose	Rotterdam NLRTM	08-09-2016 08:00	09-09-2016 13:27	08-09-2016 22:00	Active
Actions		9489560		BOMAR VESTA	Malta	Chemical tanker	Rotterdam NLRTM	05-09-2016 23:01	09-09-2016 13:13	10-09-2016 13:30	Active
Actions		9736107		THAMA	Malta	Container	Rotterdam NLRTM	09-09-2016 05:00	09-09-2016 13:13	11-09-2016 11:00	Active

Alerts:

1. Created manually, OR
2. Created automatically ex-SSN
3. Created automatically (time since last inspection)

Multiple Regimes ? Multiple alerts.



# SSN waste message report

Ship or MS do not transmit the waste message; status July 2016

➔ Alerts in THETIS-EU + requirement to follow-up under PRF

➔ Overriding priority for PSC

Member State	Shipcalls Total	With Waste	
		Information Reported	Exemption Registered
Belgium	2,207	1,652	-
Bulgaria	309	301	-
Croatia	1,449	805	-
Cyprus	259	213	-
Denmark	1,786	140	1
Estonia	1,201	646	20
Finland	3,091	923	1,148
France	5,543	116	-
Germany	5,221	2,179	12
Greece	10,343	-	-
Iceland	376	369	-
Ireland	1,142	1,142	-
Italy	8,818	2,991	41
Latvia	540	519	2
Lithuania	372	366	-
Malta	951	-	-
Netherlands	4,150	-	-
Norway	4,099	2,596	-
Poland	1,302	1,018	116
Portugal	1,225	-	-
Romania	552	1	-
Slovenia	222	171	-
Spain	14,686	5,373	-
Sweden	2,689	757	88
United Kingdom	9,941	42	-
<b>Total</b>	<b>82,474</b>	<b>22,320</b>	<b>1,428</b>

9,941	42	-
82,474	22,320	1,428

# Planning of inspections

Ships Administration Documents Documents Management

THETIS-EU Site Inspection Portlet(2.0.8@07.07.2016\_22:32)

Search ships

IMO Number  Flag  Member state  Netherlands, Belgium

Name  Ship type  Port

MMSI  Alert status  Port call status  Arrived, Departure, Indi

Ship status  Situation  PRF Inspected Most relevant call ☐

Search Filter Reset

Ship Results

Organize the allocation of resources using information out of the system

	Situation	IMO	Alert	Name	Flag	Ship type	Port	ETA	ATA	ETD	ATD
Actions	PRFi Inspected					NLS tanker		07-09-2016 21:00	07-09-2016 20:06	16-09-2016 21:00	
Actions	PRFi Inspected, Sulphur Inspected			M	C	General cargo/multipurpose		06-09-2016 15:00	06-09-2016 13:41		08-09-2016 03:01
Actions	PRFi Inspected, Sulphur Inspected			P		Bulk carrier		06-09-2016 09:00	06-09-2016 07:41		09-09-2016 09:44
Actions	PRFi Inspected				C	Container		06-09-2016 05:00	06-09-2016 03:20		06-09-2016 21:12
Actions	PRFi Inspected, Sulphur Inspected					Bulk carrier		06-09-2016 02:00	06-09-2016 00:44		09-09-2016 11:23
Actions	PRFi Inspected				Singapore	General cargo/multipurpose			05-09-2016 15:14		07-09-2016 20:04
Actions	PRFi Inspected, Sulphur Inspected			KA	Marshall Islands	Bulk carrier		05-09-2016 10:38	05-09-2016 10:17	12-09-2016 18:00	
Actions	PRFi Inspected					Ro-Ro cargo		05-09-2016	05-09-2016		08-09-2016

Is there something of special interest?

Inspection status by own MS

Planning: When can it be inspected?

What kind of ship is it?

Where is the ship? Multiple port view in own MS is possible

# Recording an inspection

**THETIS-EU**

My Sites ▾ Frank Rohling

Ships Administration Documents Documents Management

THETIS-EU Site Inspection Portal(2.0.8@07.07.2018\_22:32)

Edit Inspection

Back to Search Ships

User with roles as Sulphur ✓ Inspector PRF inspector

Ship data history Generate PDF Inspection Report Save Delete

IMO Ship type General cargo/multipurpose Inspection date

Name Flag state/Registry Cypriot Port

Process Inspection. Combined view or Single view per Regime

Member state

Inspector

Inspection particulars Ship Particulars Fuel tanks Combustion machinery Active alerts (24) ISM Company Statutory certificates Discharges Bunkering Fuel sampling Supporting materials Waste Reception Waste Disposal

	Date	Member State	Reporter	Regime	Type	Alert	Status
Actions ▾	28/07/2016 17:10	N/A	THETISInternal	PRF	Failure to comply with PRF reporting obligations	System has detected possible non-compliance with the reporting obligations: - Waste information not complete or not sent before 24 hours (Art 6. (a)) - Waste information not complete or not sent before departure from previous port (Art. 6 (c))	Active
Actions ▾	28/07/2016 09:30	N/A	THETISInternal	PRF	Failure to comply with PRF reporting obligations	System has detected possible non-compliance with the reporting obligations: - Waste information not complete or not sent before 24 hours (Art 6. (a))	Active
Actions ▾	28/07/2016 08:10	N/A	THETISInternal	PRF	Failure to comply with PRF reporting obligations	System has detected possible non-compliance with the reporting obligations: - Waste information not complete or not sent before 24 hours (Art 6. (a))	Active
Actions ▾	27/07/2016 17:30	N/A	THETISInternal	PRF	Failure to comply with PRF reporting obligations	System has detected possible non-compliance with the reporting obligations: - Waste information not complete or not sent before 24 hours (Art 6. (a))	Active
Actions ▾	27/07/2016 13:30	N/A	THETISInternal	PRF	Failure to comply with PRF reporting obligations	System has detected possible non-compliance with the reporting obligations: - Waste information not complete or not sent before 24 hours (Art 6. (a))	Active
Actions ▾	27/07/2016 08:40	N/A	THETISInternal	PRF	Failure to comply with PRF reporting obligations	System has detected possible non-compliance with the reporting obligations: - Waste information not complete or not sent before 24 hours (Art 6. (a))	Active

# Recording an inspection

Ships Administration Documents Documents Management

THETIS-EU Site Inspection Portlet(2.0.8@07.07.2016\_22:32)

Search ships

IMO Number  Flag  Member state  Netherlands, Belgium

Name  Ship type  Port

MMSI  Alert status  Port call status  Arrived, Departure, Ind

Ship status  Situation  PRF Inspected Most relevant call ☐

Search Filter Reset

Ship Results

Organize the allocation of resources using information out of the system

	Situation	IMO	Alert	Name	Flag	Ship type	Port	ETA	ATA	ETD	ATD
Actions	PRFi Inspected					NLS tanker		07-09-2016 21:00	07-09-2016 20:06	16-09-2016 21:00	
Actions	PRFi Inspected, Sulphur: Inspected					General cargo/multipurpose		06-09-2016 15:00	06-09-2016 13:41		08-09-2016 03:01
Actions	PRFi Inspected, Sulphur: Inspected					Bulk carrier		06-09-2016 09:00	06-09-2016 07:41		09-09-2016 09:44
Actions	PRFi Inspected					Container		06-09-2016 05:00	06-09-2016 03:20		06-09-2016 21:12
Actions	PRFi Inspected, Sulphur: Inspected					Bulk carrier		06-09-2016 02:00	06-09-2016 00:44		09-09-2016 11:23
Actions	PRFi Inspected					General cargo/multipurpose			05-09-2016 15:14		07-09-2016 20:04
Actions	PRFi Inspected, Sulphur: Inspected					Bulk carrier		05-09-2016 10:38	05-09-2016 10:17	12-09-2016 18:00	
Actions	PRFi Inspected					Bulk carrier		05-09-2016	05-09-2016		08-09-2016

Is there something of special interest ?

Inspection status by own MS

Planning: When can it be inspected ?

Where is the ship ? Multiple port view in own MS is possible

What kind of ship is it ?


# Details of waste and equipment found on board

Ships Administration Documents Documents Management

THETIS-EU Site Inspection Portlet(2.0.8@07.07.2016\_22:32)

Edit Inspection

Back to Search Ships Ship data history Generate PDF Inspection Report Save Delete

IMO Ship type General cargo/multipurpose Inspection date Member state  
Name Flag state/Registry  Netherlands Port Inspector

Inspection particulars Ship Particulars Active alerts (55) ISM Company Statutory certificates Non-compliances Waste Receptacles Waste Disposal

Ship fitted with Incinerator? Yes Ship fitted with Compactors? Yes Ship fitted with Comminuters? No

Edit

Identification	Group	Type	Capacity [m3]	Level of filling [m3]	Level of filling [%]
Yellow bin Aft deck	Garbage	Plastic	5,4	2,2	40,74

Actions

Add receptacle

Total capacity: 5,4 m3 Total level of filling: 41% (2,2 m3)


# Details of last delivery (-ies)

Ships Administration Documents Documents Management

THETIS-EU Site Inspection Portlet(2.0.8@07.07.2016\_22:32)

Edit Inspection

Back to Search Ships Ship data history Generate PDF Inspection Report Save Delete

IMO Ship type General cargo/multipurpose Inspection date Member state  
Name Flag state/Registry  Netherlands Port Inspector

Inspection particulars Ship Particulars Active alerts (55) ISM Company Statutory certificates Non-compliances Waste Receipts **Waste Disposal**

DisposalDate	Group	Type	Amount [m3]	Source of information	Location	Receiver
18-05-2016	Garbage	Plastic	2.2	Waste Receipt	PRF	

Actions Page 1 of 1 PDF XLS CSV Displaying 1 - 1 of 1

Add disposal



Discussion with IMO to get a pre-loadable list of EU PRF facilities



# Details of non-compliance(s)

[Ships](#) [Administration](#) [Documents](#) [Documents Management](#)

THETIS-EU Site Inspection Portlet(2.0.8@07.07.2016\_22:32)

Edit Inspection

[Back to Search Ships](#) [Ship data history](#) [Generate PDF Inspection Report](#) [Save](#) [Delete](#)

IMO

Ship type


General cargo/multipurpose

Inspection date

Member state

Name

Flag state/Registry

 Netherlands

Port

Inspector

Inspection particulars

Ship Particulars

Active alerts (55)

ISM Company

Statutory certificates

**Non-compliances**

Waste Receptacles

Waste Disposal

	Regime	Non-compliance	Nature of Defect	MARPO...	Observation	Actions
<a href="#">Actions</a> ▼	PRF	Storage capacity for waste on board	Storage capacity inadequate for next voyage			Other (free text)

[Add Non-compliance](#)

# Elements of non-compliance(s)

Non-compliance

Non-compliance: 24 - Storage capacity for waste on board

Regimes: PRF

Nature of defect: Storage capacity inadequate for next voyage

MARPOL: No

National provision:

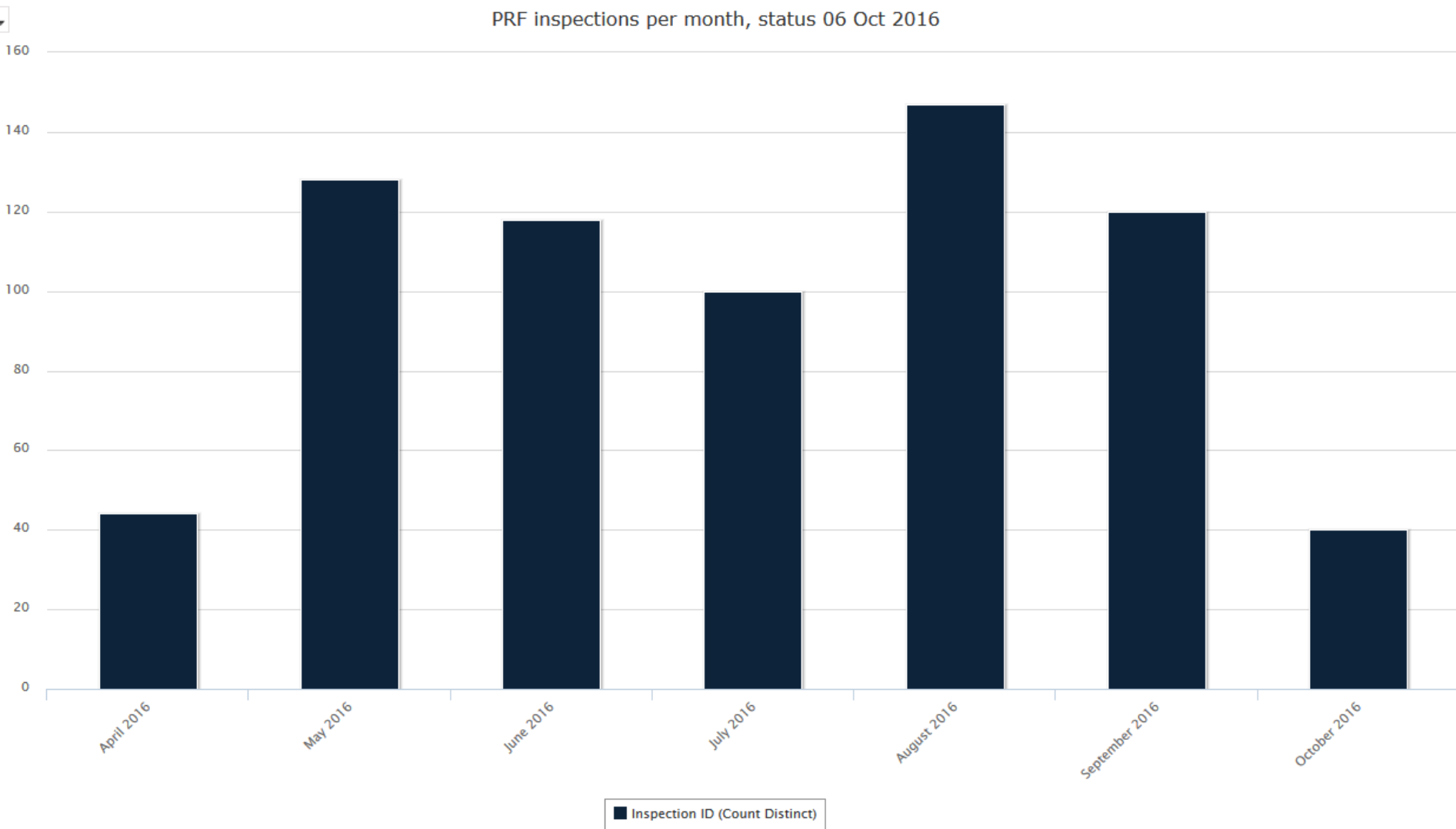
Observations:

Actions:

- ☐ Foreign Flag consulted
- ☐ Next port informed
- ☐ Penalty as per provisions pursuant to national legislation
- ☐ Ship delayed to deliver
- ☒ Other (free text)

Save Cancel

# Activity 01 April to 6 Oct 2016





**Thank you!**

 [twitter.com/emsa\\_lisbon](https://twitter.com/emsa_lisbon)  
 [facebook.com/emsa.lisbon](https://facebook.com/emsa.lisbon)

