

# THETIS and THETIS-EU

Introduction to the system in support of inspections

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B.3.3 - Ship Inspection Support

Lisbon / 29-30 March 2017



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

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

**PSC, RoPax, 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 (PSC)



## THETIS-EU



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



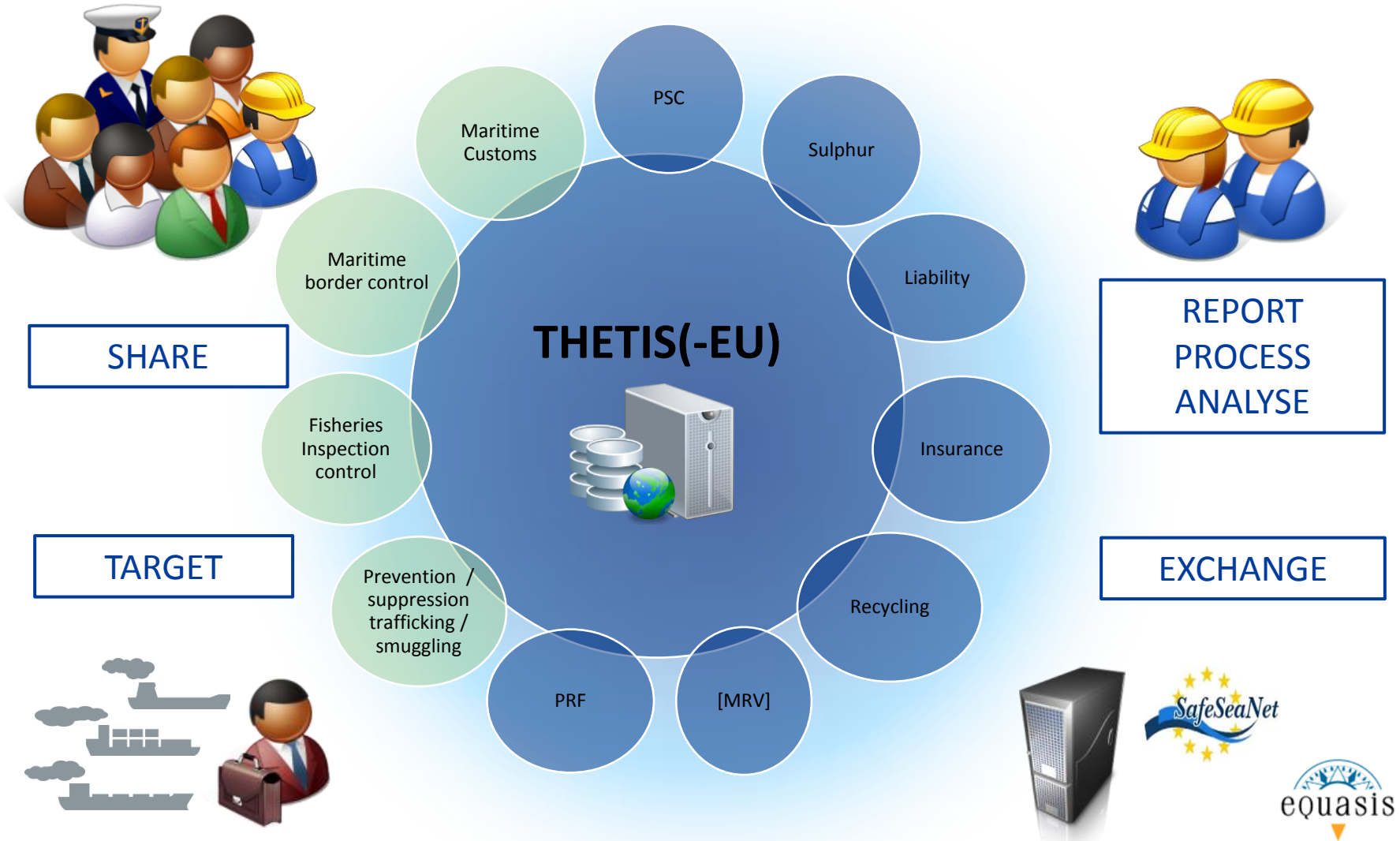
- ✓ Storage of inspection data
- ✓ Targeting (Sulphur)



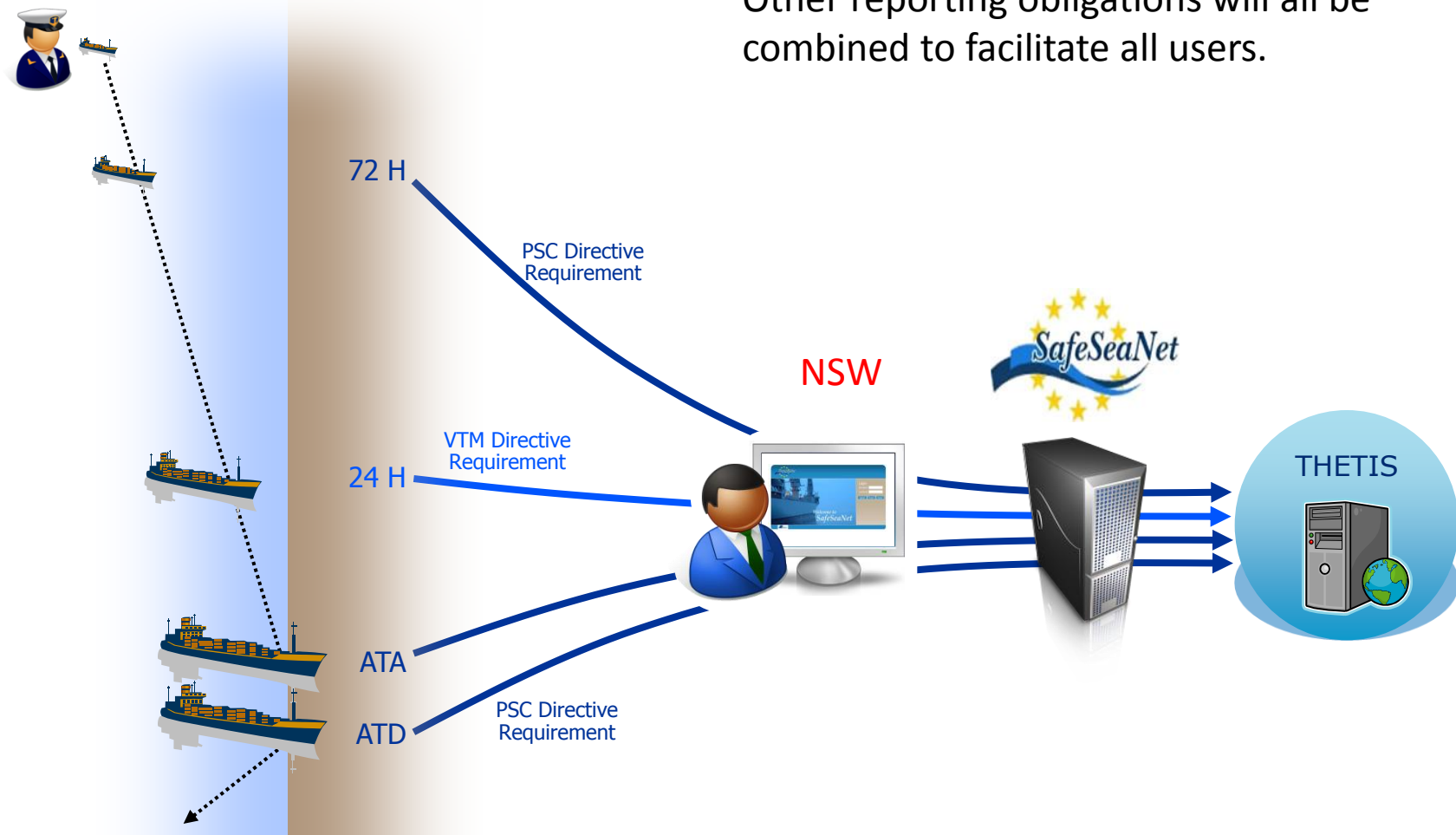
- ✓ Ship Details
- ✓ PortCall Details
- ✓ Class



# Examples of IT Tools for reporting ships inspections



# Reporting Obligations



## THETIS-EU

Member States

Data Providers

System  
Administrator

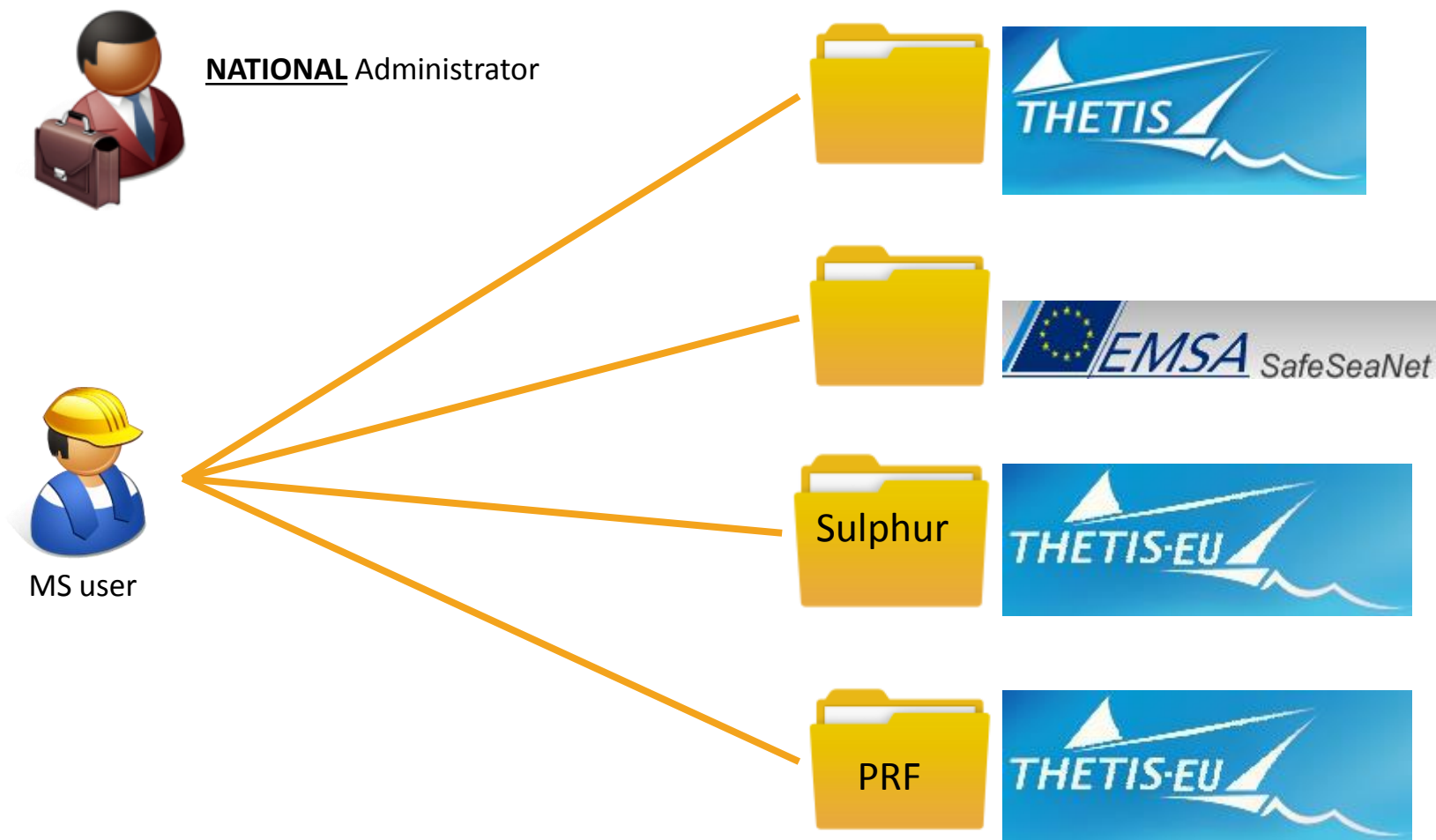
Inspectors

National  
Administrators

SSN

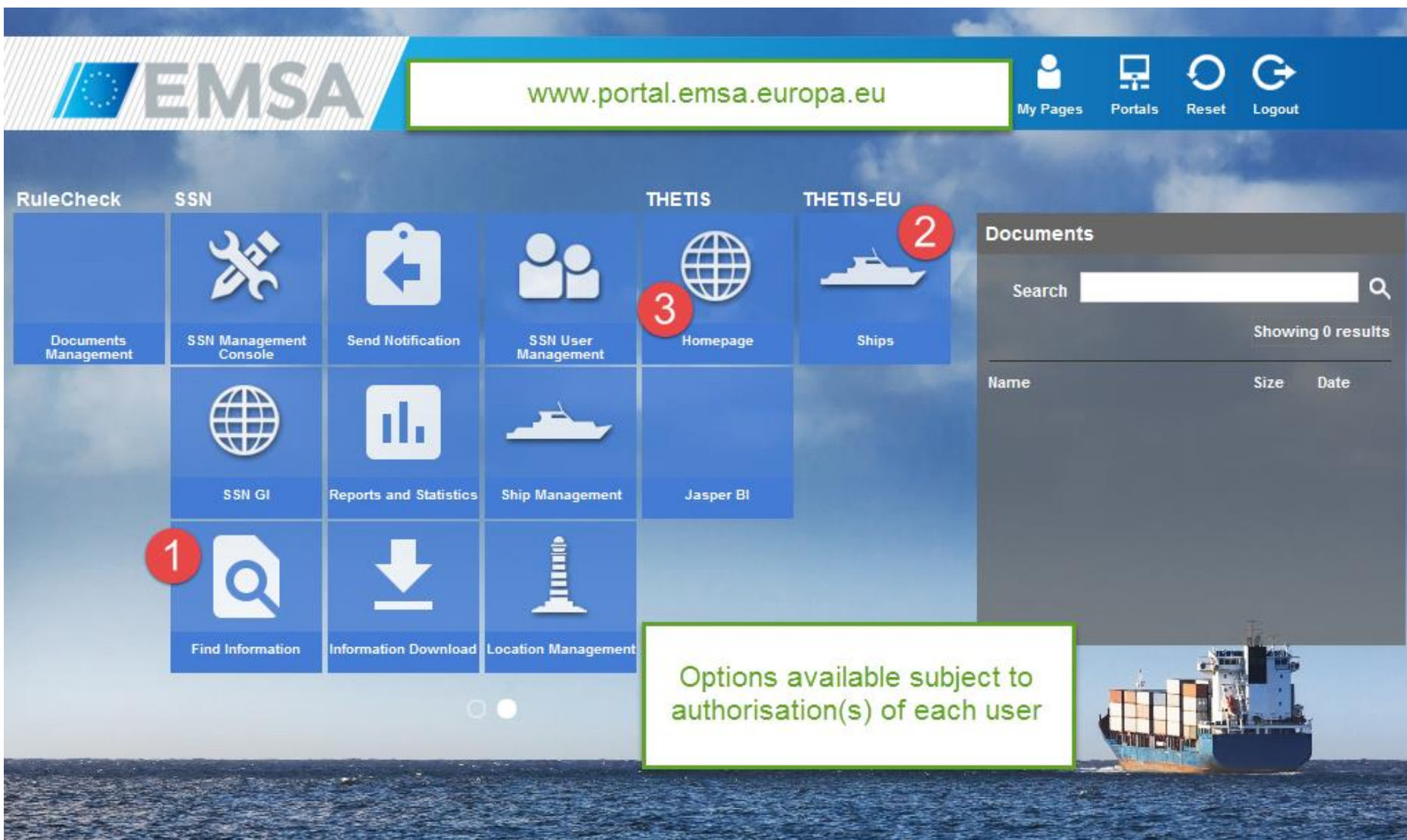
3<sup>rd</sup> Parties







# 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

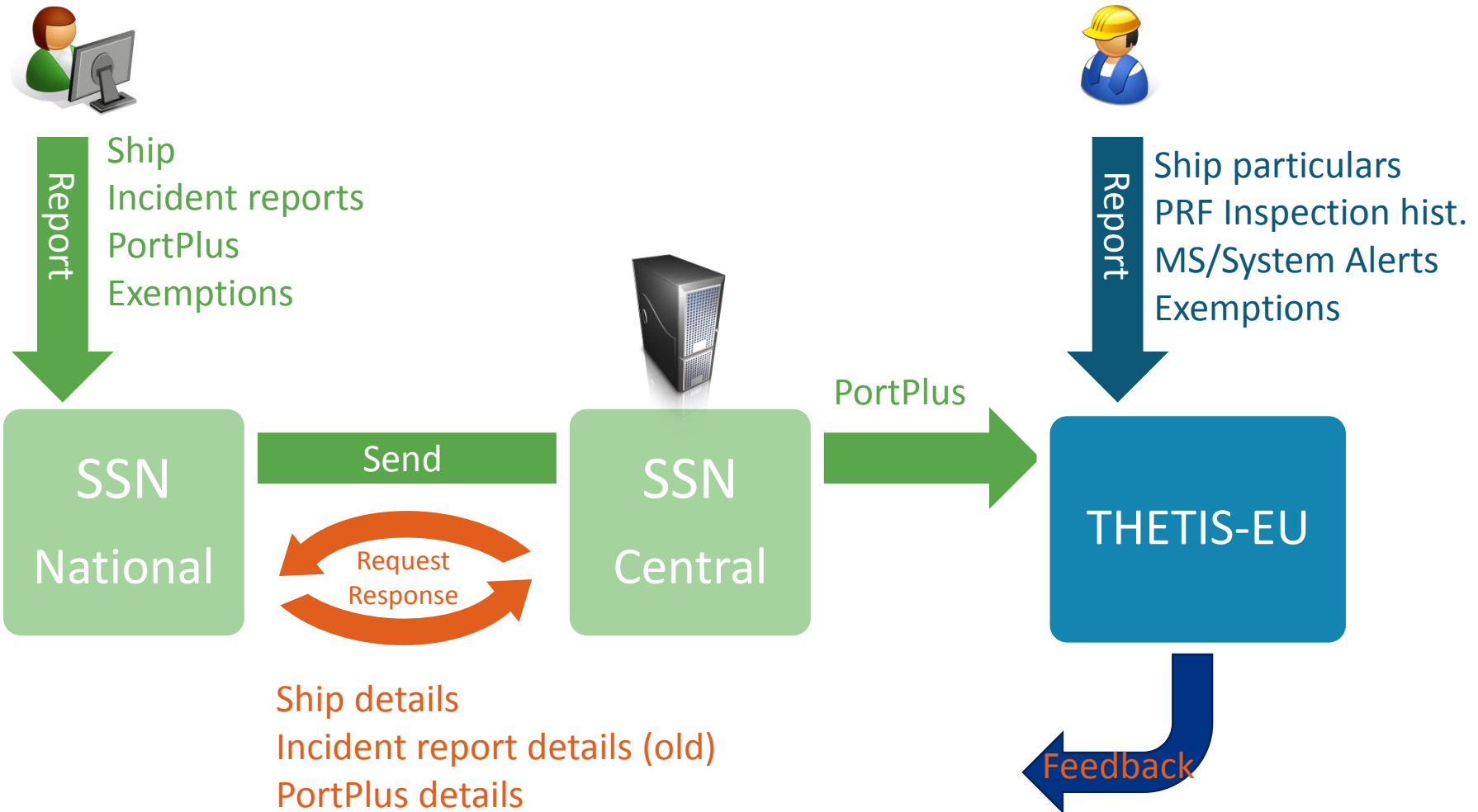
Options available subject to authorisation(s) of each user

# All users, different (or identical) roles


Search users								
Member state	<input type="text" value="Netherlands"/>	Organization	<input type="text"/>	Regimes	<input type="text"/>	Login	<input type="text"/>	
First Name	<input type="text"/>	Last Name	<input type="text"/>	Role	<input type="text"/>	Status	<input type="text"/>	
<input type="button" value="Search"/> <input type="button" value="Reset"/>								
User Results								
	Login	First Name	Last Name	Initials	Organization	Regimes	Roles	Status
<input type="button" value="Actions"/>					Netherlands Shipping Inspectorate	PRF	Inspector	Provisioned
<input type="button" value="Actions"/>					Netherlands Shipping Inspectorate	PRF	Inspector	Provisioned
<input type="button" value="Actions"/>					Netherlands Shipping Inspectorate	PRF	Inspector	Provisioned
<input type="button" value="Actions"/>					Netherlands Shipping Inspectorate	PRF	Inspector	Provisioned
<input type="button" value="Actions"/>					Netherlands Shipping Inspectorate	PRF	Inspector	Provisioned
<input type="button" value="Actions"/>					Netherlands Shipping Inspectorate	Sulphur PRF	Inspector	Provisioned
<input type="button" value="Actions"/>						Sulphur PRF	Inspector	Provisioned
<input type="button" value="Actions"/>						Sulphur PRF	Inspector	Provisioned
<input type="button" value="Actions"/>						Sulphur PRF	Inspector	Provisioned

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

# Interaction with SSN, schematic presentation



# Searching for ships



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

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

IMO Number

Flag

Member state

Netherlands

Ship type

Port

Alert status

Port call status

Arrived

Ship status

Situation

Most relevant call

☒

Search

Filter

Reset

Search ships

IMO Number

Flag

Member state

Netherlands

Ship type

Port

Alert status

Port call status

Arrived

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	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
Actions		9419765		PARTICI		Container	Vlissingen NLVLI	09-09-2016 12:30	09-09-2016 14:14	10-09-2016 14:14			Active
Actions		9312080		PATAGONIA		Chemical tanker	Rotterdam NLRTM	09-09-2016 12:00	09-09-2016 14:08	11-09-2016 10:00			Active
Actions		9167930		TARNFORS		Chemical tanker	Rotterdam NLRTM	09-09-2016 12:00	09-09-2016 14:05	10-09-2016 14:00			Active
Actions		9784465		SOLUTION		Offshore supply	Delfzijl NLDZL	09-09-2016 12:00	09-09-2016 13:59	20-09-2016 22:59			Active
Actions		8703139		DOUWENT		General cargo/multipurpose	Amsterdam NLAMS	09-09-2016 12:00	09-09-2016 13:51	09-09-2016 22:00			Active
Actions		9183427		A28 ENERGY		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		Chemical tanker	Rotterdam NLRTM	05-09-2016 23:01	09-09-2016 13:13	10-09-2016 13:30			Active

# 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"/>

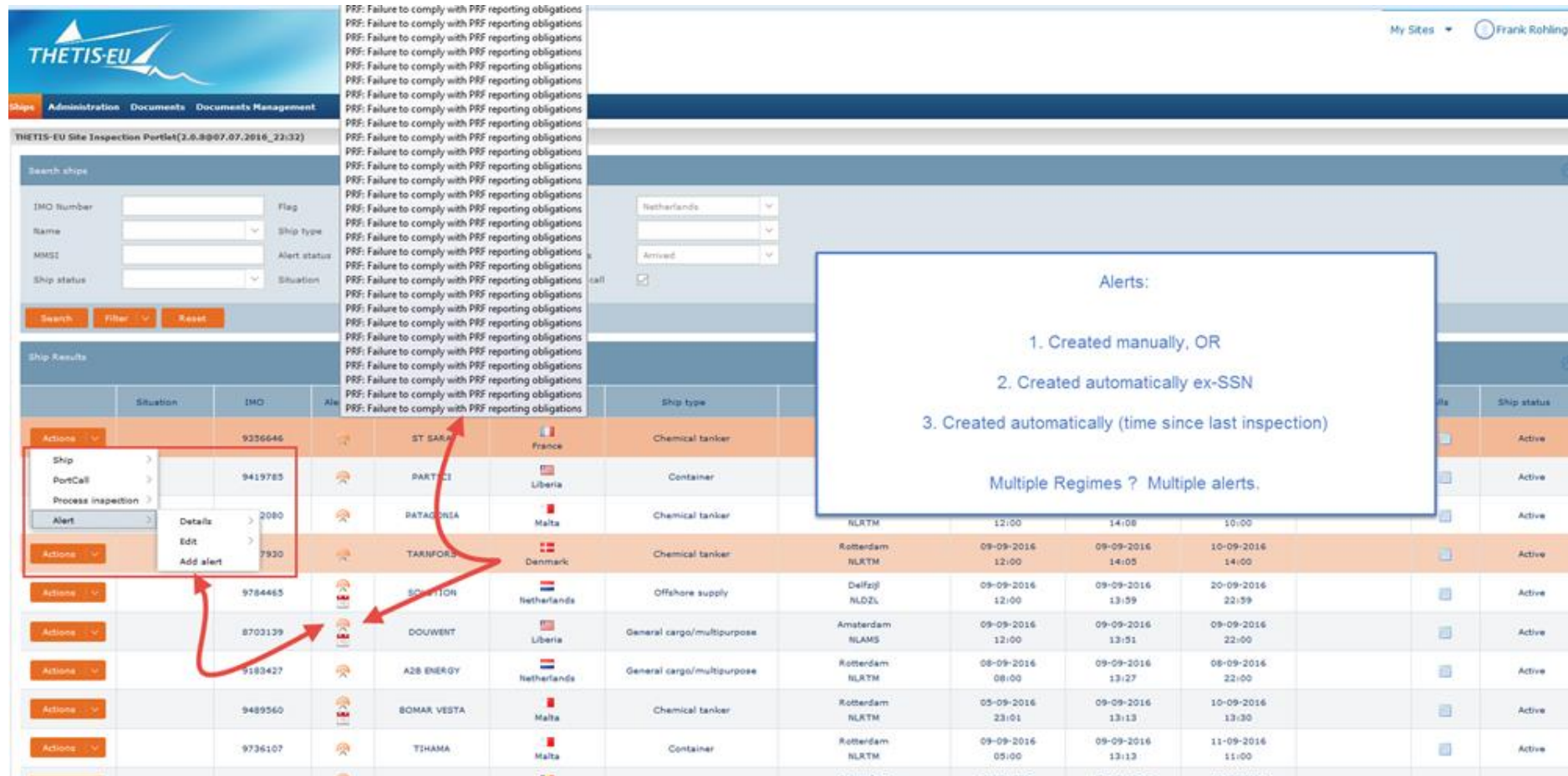
Information provided through SSN

Ship Results

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



The screenshot displays the THETIS-EU Site Inspection Portlet interface. The top navigation bar includes 'Ships', 'Administration', 'Documents', and 'Documents Management'. The main content area shows a list of ships with columns for Situation, IMO, Alert, Ship type, and Ship status. A red box highlights the 'Alert' column, and a red arrow points to the 'Add alert' button in the 'Actions' menu. A blue box highlights the 'Alerts' section, which lists three types of alerts: 1. Created manually, OR 2. Created automatically ex-SSN 3. Created automatically (time since last inspection). Below this, it states 'Multiple Regimes ? Multiple alerts.'

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 type	Ship status
Actions	9356646	ST SARA	France	Chemical tanker
Ship	9419783	PARTICI	Liberia	Container
PortCall	2080	PATACORSA	Malta	Chemical tanker
Process inspection	7930	TAKINFORS	Danmark	Chemical tanker
Alert	9784465	SCHEFFER	Netherlands	Offshore supply
Actions	8703139	DOUWENT	Liberia	General cargo/multipurpose
Actions	9183427	A2B ENERGY	Netherlands	General cargo/multipurpose
Actions	9489560	BOMAR VESTA	Malta	Chemical tanker
Actions	9736107	THAMA	Malta	Container

Alerts:

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

Multiple Regimes ? Multiple alerts.

# Planning of inspections

THETIS-EU

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, Incls

Ship status:  Situation:  PRF Inspected ☐ Most relevant call ☐

Search Filter Reset

Organize the allocation of resources using information out of the system

Ship Results

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

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)

User with roles as Sulphur  Inspector  inspector

Process Inspection. Combined view or Single view per Regime


























Ship data history Generate PDF Inspection Report Save Delete

IMO Ship type General cargo/multipurpose Inspection date






Name Flag state/Registry Cyprus Port

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
	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
	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
	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
	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
	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
	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

THETIS-EU

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, Incls

Ship status:  Situation:  PRF: Inspected Most relevant call: ☐

Search Filter Reset

Organize the allocation of resources using information out of the system

Ship Results

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

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


# 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

# The Inspection Report



Human Environment and Transport  
Inspectorate  
Ministry of Infrastructure and the  
Environment

Address as per MS preference  
(organization)

Netherlands Shipping Inspectorate  
Weena 723, 3013AM, Rotterdam, Netherlands  
www.ilent.nl  
psc@ilent.nl  
+31(0)70 4564650

REPORT OF INSPECTION IN ACCORDANCE WITH COUNCIL DIRECTIVE 2000/59/EC  
of 27 November 2000  
on port reception facilities for ship-generated waste and cargo residues

Customized header  
and logo

## Inspection Particulars

Reporting authority of Netherlands

Port of inspection

Inspector(s)

Date of inspection

Date of report

14/09/2016

Outcome

Inspection on-going (PRF)





**Thank you!**

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

