

# **Member State Commissioning Plan**

## **Part A - Mandatory Test Cases**

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## DOCUMENT HISTORY

Version	Date	Comments
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1.01	07 May 2008	Section 4.1 - Update the SSN Training environment URLs.
1.10	09 Oct 2008	Implemented comments by EMSA. Submitted for review and acceptance.
1.20	30 Jun 2009	Update in line with XMLRG v1.65
1.30	18 May 2010	Update in line with XMLRG v2.03: - Update Reference & Applicable Documents - MSS contact details - Added sections 5.6 SEND PORTPLUS NOTIFICATIONS 5.11 GET PORTPLUS NOTIFICATION DETAILS
1.35	04 Jun 2010	MSS contact details were added for test support
1.40	16 Jul 2010	Updated/corrected XML sample messages
1.50	10 Sep 2010	Updated/corrected scenario descriptions and XML sample messages for: S1606-01, S1601-03, S1601-04, S1601-05, S1602-05, S1602-06, S1604-05, S1604-07, S1604-08, S1604-09, S1604-11, S0118-05, S1215-05, S1225-05, S0138-05 and S3608-01.
1.60	21 Oct 2011	Remove tests for SSN v1 messages: Port and Hazmat notifications and requests Include note that the SSN v1 request messages Port and Hazmat will only be available till the date agreed by the SSN group Updated/corrected scenario descriptions and XML sample messages for: S1602-03, S1602-03, S1604-12, S3601-01, S3601-02
1.70	4 April 2014	Inclusion of the user configuration and test plan for the improved incident reporting framework as per XML RG 2.07
1.80	11 June 2014	List of the mandatory requirements. Inclusion of requirement reference and severity per test case.
1.90	24 Oct 2014	Update according to XMLRG v3.01.
1.91	21 Nov 2014	Applied changes based on the last EMSA review comments. Open Points: please refer to the comments below for actions required to finalise this document.
1.92	27 Nov 2014	Final version aligned with the SSN XMLRG v3.01
1.93	13 Jan 2015	Aligned with the SSN XMLRG v3.02
1.94	21 Jan 2015	Applied changes based on the last EMSA review comments.
1.95	26 Jan 2015	Applied further changes based on the last EMSA review comments.

Version	Date	Comments
1.96	14 Sep 2016	Removed tests for MS2SSN_Ship_Not and MS2SSN_Ship_Res – type AIS (S1210-07, S1213-04, S0329-06); Removed tests for MS2SSN_Alert_Not; MS2SSN_Alert_Req; MS2SSN_Alert_Res; Added tests for S1601-05; Some MS2SSN_ShipCall_Res are now ancillary tests; Removed tests S3902 related with MS2SSN_IncidentReport_Req - backward compatibility.

## ***Table of Contents***

1.	INTRODUCTION .....	5
1.1.	PRELIMINARY REMARKS .....	5
1.2.	REFERENCE & APPLICABLE DOCUMENTS .....	7
1.3.	TERMINOLOGY.....	7
2.	REQUIREMENTS FOR TEST .....	8
2.1.	LIST OF FUNCTIONAL REQUIREMENTS.....	8
3.	TEST STRATEGY.....	10
3.1.	TEST TYPES.....	10
3.2.	ENVIRONMENT NEEDS .....	12
4.	TEST ORGANISATION .....	13
4.1.	RESOURCES .....	13
4.2.	PRELIMINARY ACTIONS .....	14
4.3.	TEST EXECUTION.....	19
4.4.	TEST REPORTING.....	21
4.5.	TEST CONCLUSION .....	21
5.	TEST SCENARIOS.....	22
5.1.	PROVISION OF PORTPLUS NOTIFICATION .....	22
5.2.	PROVISION OF SHIP (MRS) NOTIFICATION .....	45
5.3.	RESPONSE TO SHIPCALL REQUESTS WITH PORTPLUS NOTIFICATION DETAILS – HAZMAT, SECURITY AND WASTE.....	49
5.4.	RESPONSE TO SHIP REQUESTS WITH SHIP NOTIFICATION DETAILS (MRS) .....	58

## ***Table of Figures***

Figure 1 – Test Cycle Workflow .....	18
Figure 2 – SOAP/XML interface setup .....	23
Figure 3 – SOAP/XML interface setup .....	45
Figure 4 – SOAP/XML interface setup .....	49
Figure 5 – SOAP/XML interface setup .....	58

# 1. INTRODUCTION

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**Purpose** This document presents the test cases and test scenarios to be used by Member States to support the Commissioning process.

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## 1.1. PRELIMINARY REMARKS

**Scope** The commissioning process is required to ensure that the national SSN systems can support the reliable, timely and accurate exchange of data and system information within the SSN network (via XML).

**The commissioning process covers all of the SSN XML messages transmitted to/from the central SSN system via XML or the Web Services Interface.**

All test cases must be executed with fully automated system-to-system, in order to test the national SSN system implementation.

This commissioning test plan document supports the following objectives:

- Identifies the functional requirements as targets for testing.
- Recommends and describe the testing strategies to be employed.
- Identifies the required resources.
- Recommends and describe the test organisation.
- Presents a list of test scenarios to execute.
- Provides support for test and bug reporting.

The tests to be performed, the test data to be delivered and the reporting requirements are indicated in this document.

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**Intended audience** The intended audience for this document should have knowledge of the SSN specifications and internet/TESTA. It is mainly addressed to:

- national SSN systems administrators;
  - members of the Testing Team;
  - EMSA personnel involved with the SSN project;
  - any person involved in the deployment of SSN, and;
  - MSS operators.
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**Risks** In order to correctly carry out the tests, the development lifecycle of each national SSN system should foresee a mechanism of timely builds (and version control), and a test environment isolated from the development and production environment.

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**Document organisation**

The document is divided into two parts: Part A includes the mandatory test cases and Part B the ancillary tests cases.

This is in line with the Interface and Functionalities Control Document (IFCD) version 1.1.2, definition of SSN mandatory system functionalities (chapter 2.3) and the mechanisms available for information exchange (Table 1) of the IFCD.

Some test cases are mandatory depending on the Member States national implementation.

The following table summarises the tests cases included in Part A and B:

<b>Part A – Mandatory test cases</b>	
Provision of PortPlus notifications	MS2SSN_PortPlus_Not
Response to ShipCall requests with PortPlus notification details – Hazmat, Waste and Security	SSN2MS_ShipCall_Req MS2SSN_ShipCall_Res
Provision of Ship MRS notifications <sup>1</sup>	MS2SSN_Ship_Not
Response to Ship requests with MRS notification details	SSN2MS_Ship_Req MS2SSN_Ship_Res
<b>Part B – Ancillary test cases</b>	
Provision of Incident Report notifications or feedback	MS2SSN_IncidentDetail_Not
Reception of distributed Incident Report notifications or feedback	SSN2MS_IncidentDetail_Tx
Request of Incident Report notifications or feedback	MS2SSN_IncidentReport_Req SSN2MS_IncidentReport_Res
Requests of PortPlus notifications	MS2SSN_ShipCall_Req SSN2MS_ShipCall_Res
Requests of Ship MRS notifications	MS2SSN_Ship_Req SSN2MS_Ship_Res MS2SSN_Ship_List_Req SSN2MS_Ship_List_Res
Requests of Ship AIS notifications	MS2SSN_Ship_Req SSN2MS_Ship_Res
Provision of Exemptions notifications	MS2SSN_Exemption_Not

**Notes:**

<sup>(1)</sup> Mandatory for Member States operating a mandatory ship reporting system (MRS), adopted by the IMO according to Regulation 11 Chapter V of the SOLAS Convention.

## 1.2. REFERENCE & APPLICABLE DOCUMENTS

<b>Id</b>	<b>Reference</b>	<b>Title</b>	<b>Version</b>
A1	SSN-XMLMessagingRefGuide	SSN XML Reference Guide	3.05
A2	IFCD	Interface and Functionalities Control Document	1.1.2
A3	SSN-MSCTP-Report	Member State Commissioning Test Report template	1.96

## 1.3. TERMINOLOGY

<b>Abbreviation</b>	<b>Definition</b>
<b>ADM</b>	Administrator
<b>AMN</b>	Administrator Manual
<b>ATP</b>	Acceptance Test Plan
<b>BCT</b>	Business Cycle Testing
<b>CT</b>	Commissioning Test
<b>CTR</b>	Commissioning Test Report
<b>DIT</b>	Data Integrity testing
<b>EMSA</b>	European Maritime Safety Agency
<b>FAT</b>	Factory Acceptance Test
<b>FT</b>	Function testing
<b>FTR</b>	FAT Report
<b>GUI</b>	Graphical User Interface
<b>IPR</b>	Installation Procedures Manual
<b>MNG</b>	Management Console
<b>MSS</b>	Maritime Support Services
<b>N/A</b>	Not Applicable or Not Available
<b>NCA</b>	National Competent Authority
<b>POR</b>	Port Authority
<b>QC</b>	Quality Control
<b>RT</b>	Regression testing
<b>SAT</b>	Site Acceptance Testing
<b>SOAP</b>	Simple Object Access protocol
<b>SPOC</b>	Single Point Of Contact
<b>SSN</b>	SafeSeaNet
<b>TC</b>	Test Case
<b>TIR</b>	Test Incident Report
<b>TP</b>	Test Procedure
<b>TRM</b>	Training Material
<b>TS</b>	Tester Specialist
<b>TST</b>	Test Scenarios
<b>UC</b>	Use Cases
<b>UMN</b>	User Manual
<b>XML</b>	Extensible Markup Language

## 2. REQUIREMENTS FOR TEST

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**Introduction** This chapter describes the system elements identified as targets for testing, classified according to the different types of test.

These lists represent *what* will be tested.

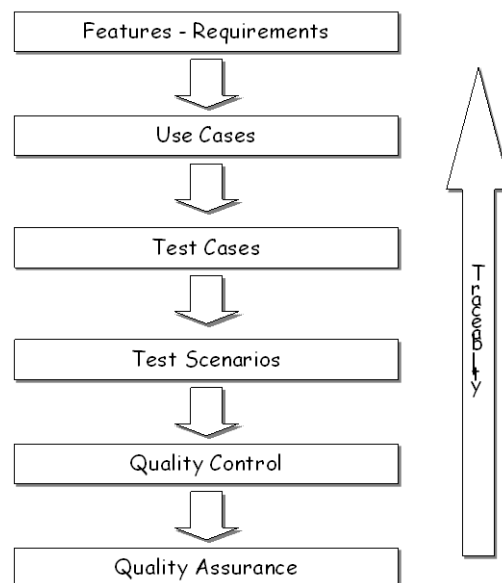
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### 2.1. LIST OF FUNCTIONAL REQUIREMENTS

**Definition** Functional requirements specify actions that a system must be able to perform, without considering physical constraints. Functional requirements thus specify the input and output behaviour of the system under testing.

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**Traceability** Every system must respond to the requests of stakeholders. Each requirement must be analysed, designed and tested. The following diagram clarifies the connection between the requirements and a test case. This aspect is also known as traceability, and it permits the trace back of a particular test scenario to its origin (the requirement).



**Abbreviations** The different test types are described in the next chapter, and the following abbreviations are used:

- FT: Function Testing
- BCT: Business Cycle Testing
- RT: Regression Testing
- DIT: Data Integrity Testing



## List of Requirements

The table below lists the system elements identified as targets for testing under Part A - Mandatory test cases and the type(s) of test(s) to be carried out:

Use Case	Description	Type of test
Send Notification	Provision of PortPlus Notification	FT
	Provision of Ship MRS Notification	FT
Get PortPlus Notification Details	Response to ShipCall requests with PortPlus notification details – Hazmat, Waste and Security	FT
Get Ship Notification Details	Response to Ship requests with Ship notification details (MRS)	FT

## 3. TEST STRATEGY

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**Introduction** This chapter describes the testing strategy to be employed by Member States in order to validate the conformance of national SSN system specifications. More specifically, this chapter describes the test types that are to be performed and the reasons *why* and *how* they are performed.

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### 3.1. TEST TYPES

**Introduction** This section describes the necessary test types and their reasons, in order of importance.

Test type	Description
<b>Function Testing</b>	The conformance of a national SSN system application requires the correct functioning of all the features which have been converted into use cases, use case diagrams and detailed analysis documents (e.g. the Software Requirements Specification).
<b>Business Cycle Testing</b>	The fact that SSN deals with messaging transactions (asynchronous behaviour) between applications in different European countries, is reason to include business cycle tests.
<b>Data &amp; Database Integrity Testing</b>	<p>The most crucial aspect of the application is that XML messages are correct, first in form, and then in content. The message validation, in accordance with XML standards and defined XML schema, is absolutely necessary. The Data Requester and the Data Provider need to follow the XML messaging specifications to the letter.</p> <p>Developers of national SSN system client applications can carry out a significant portion of the quality control task.</p>
<b>Regression Testing</b>	<p>Regression testing is necessary to ensure that the previously executed tests are being re-executed against new versions of applications or deliverables.</p> <p>Regression testing ensures that the quality of the target has not been negatively affected when new capabilities have been added.</p> <p>Member States are strongly encouraged to perform regression testing whenever a new version of the central SSN system is developed and deployed.</p>

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**Techniques** This section provides additional information on the methods used to carry out different test types and interpret the test results.

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**Function Testing** Function testing relates to testing requirement that can be traced directly to use cases or business functions.

<b>Test Objective:</b>	Ensure functionality.
<b>Technique:</b>	Perform a sequence of actions by sending XML messages using valid and invalid data to verify expected results when data is valid, and the appropriate error message when invalid data is entered. Also verify if each business rule is properly applied.
<b>Completion Criteria:</b>	All planned tests have been executed.  All identified defects have been addressed.
<b>Special Considerations:</b>	Each new requirement or changed feature results in a new test case and underlying test scenarios.

## Business Cycle Testing

Business cycle testing should emulate activities (or sequences of activities) that are performed over a defined period of time. The asynchronous aspects of the SSN solution are an important element in these types of tests.

<b>Test Objective:</b>	Ensure correct and timely flow of activities.
<b>Technique:</b>	The appropriate function test cases are modified (test scenario) to reflect the asynchronous or transactional aspect. Timing-out and loss of connection situations have to be taking into account.  All functions that occur on a periodic schedule will be executed at the appropriate time. All date-sensitive functions will be executed using valid and invalid dates.  Testing will include using valid and invalid data to verify expected results when using valid data and the error or warning messages when using invalid data. Also verify if each business rule is properly applied.
<b>Completion Criteria:</b>	All planned tests have been executed.  All identified defects have been addressed.
<b>Special Considerations:</b>	System dates and events may require special support activities.

## Data and Database Integrity Testing

The databases and the processes that construct and validate the XML messages to be exchanged should be tested.

<b>Test Objective:</b>	Ensure database access methods and XML processes function properly and without data corruption.
<b>Technique:</b>	Invoke each database access method and process, seeding each with valid and invalid data or requests for data.  Inspect the database to ensure that the data has been populated as intended, and that all database events occurred properly, or review the returned data to ensure that the correct data was retrieved for the correct reasons.
<b>Completion Criteria:</b>	All database access methods and XML processes function as designed, and without any data corruption.
<b>Special Considerations:</b>	Testing may require a DBMS development environment or drivers to enter (or modify) data directly in the databases.

## Regression Testing

This type of testing focuses on the re-execution of test scenarios against a new version of the application or deliverable.

<b>Test Objective:</b>	Ensure that the quality of the target has not been negatively affected by recent developments.
<b>Technique:</b>	Perform a sequence of actions to test against improved or new functionalities.
<b>Completion Criteria:</b>	All planned tests have been executed. All identified defects have been addressed.
<b>Special Considerations:</b>	Each new requirement, or changed feature, determines a new test case and underlying test scenarios.

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## 3.2. ENVIRONMENT NEEDS

**Environment Needs** The test environment consists of the following machines:

<b>System</b>	<b>Tool</b>	<b>Responsible</b>
National SSN system client machine	The client machines that the NCA users use to access the system through the Internet or TESTA.	Member State
Central SSN system in Training environment	The application servers where the SSN core is installed.	EMSA
SSN Core Database in Training environment	The database server where the SSN Oracle Database 11g Enterprise Edition is installed.	EMSA

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## 4. TEST ORGANISATION

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**Introduction** This chapter focuses on *how* to carry out the test.

Each Member State should have a test environment running in parallel with the production environment in order to test the interface with the central SSN system. This test interface should allow the tester to run the tests whenever there is a new version of SSN, or a new functionality impacting the data exchange with SSN is implemented.

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**Test support** During a test phase, problems related to connection issues, technical or functional misunderstandings, rejected messages or other might occur. The Maritime Support Services (MSS) can be contacted at:

Phone: +351 21 1209 415

Mailbox: [MaritimeSupportServices@emsa.europa.eu](mailto:MaritimeSupportServices@emsa.europa.eu)

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### 4.1. RESOURCES

**Staff** The following table shows the recommended staffing requirement for both the Member States and the central SSN system.

Role in Test Discipline	Min. Resources	Covered by (MS, SSN-EIS, both)	Specific Responsibilities or Comments
Test Manager	1	Both	Provides management oversight. <u>Responsibilities</u> : <ul style="list-style-type: none"><li>• Provide technical direction</li><li>• Acquire appropriate resources</li><li>• Provide management reporting</li></ul>
Test Designer	1	Central SSN	Identifies, prioritises, and implements test cases. <u>Responsibilities</u> : <ul style="list-style-type: none"><li>• Generate test plan</li><li>• Generate test model</li><li>• Evaluate effectiveness of test effort</li></ul>
Tester	1	MS	Executes the tests. <u>Responsibilities</u> : <ul style="list-style-type: none"><li>• Execute tests</li><li>• Log results</li><li>• Recover from errors</li><li>• Document change requests</li></ul>
Test System Administrator	1	Both	Ensures test environment and assets are managed and maintained. <u>Responsibilities</u> : <ul style="list-style-type: none"><li>• Administer test management system</li><li>• Install and manage access to test systems</li></ul>
Dbase Administrator, Dbase Manager	1	Both	Ensures test data (database) environment and assets are managed and maintained. <u>Responsibilities</u> : <ul style="list-style-type: none"><li>• Administer test data (database)</li></ul>

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**Remarks**

The roles described in the table should be seen as activities that need to be carried out by individuals during the testing process. One person can take one or more responsibilities.

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## 4.2. PRELIMINARY ACTIONS

**Request to access the SSN Training environment**

Before carrying out a commissioning test, it is very important that the following actions are taken:

The NCA shall send a request for a user ID to EMSA in order to gain access to the SSN Training environment. Requests can be submitted by email to the MSS mailbox.

EMSA will provide a "Welcome on Board" document, which should be completed with the following information and returned to EMSA:

- The Member State representative(s).
- The technical operational person(s).
- The representative for the account, his/her contact details, the location, the type of network to be used (TESTA/Internet), the type of interface (which, for the purpose of this test plan, is an XML user) and the Data Provider and Data Requester URLs.

The Data Provider URL is that which provides the link to the remote website of the Member State which allows SSN to obtain the results of requests in XML format and other associated information.

The Data Requester URL is that which provides the link to the remote website of the Member State which allows SSN to send responses to requests previously sent by the Member State.

Further information can be found in the "Welcome on Board" document.

Once an NCA user has been created, additional user IDs can be created for LCAs participating in SSN (CST, POR, PSC, OTH).

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**Access to the central SSN system and acquisition of digital certificates**

Before any real data exchange, each Member State must test its access to the central SSN system. The central SSN system will provide a URL, which consists of an html page, but if the message-based mechanism implementation cannot access this page, there will be no connection between the systems, and the test cycle cannot take place.

Two variants exist, for the message-based mechanism (depending on the network being used):

- Via internet:  
<https://eis-training.emsa.europa.eu:448/ssn-xmlprotocol-v3-web/ssn.do>
- Via TESTA:  
<https://eis-training.emsa.testa.eu:448/ssn-xmlprotocol-v3-web/ssn.do>

Also two variants exist for the Web Services interface, depending on the network being used:

- Via internet:  
<https://eis-training.emsa.europa.eu:448/ssn-xmlprotocol-v3-ws/ssnmessageservice>

- Via TESTA:  
[https://eis-training.emsa.testa.eu:448/ssn-xmlprotocol-v3-  
ws/ssnmessageservice](https://eis-training.emsa.testa.eu:448/ssn-xmlprotocol-v3-<br/>ws/ssnmessageservice)

For consultation purposes, and to confirm the results of a test scenario (e.g. that a notification has been recorded in the central SSN system), the SSN Web interface is available:

<https://portal-training.emsa.europa.eu/home>

To test 2-way SSL for sending and receiving data request (MS2SSN\_<type>\_Req & SSN2MS\_<type>\_Req) and response (MS2SSN\_<type>\_Res & SSN2MS\_<type>\_Res) messages to/from the central SSN system, the following actions must be carried out:

- Acquisition by the Member State of client and server certificates from the EMSA Certification Authority (CA), and their installation on the test server(s) interfacing with the central SSN system in Training environment.
- EMSA will configure the domain of the national test server(s) at the central SSN system Reverse Proxy level. The domain of the Data Provider and Data requester URLs given in the user ID details shall match with the domain of the digital certificate. Should notification details be provided in the form of electronic documents, these documents must be available via the Web server where the certificates are installed.
- Installation by the Member State of the EMSA root CA and client digital certificates on the web servers providing XML messages (acting as client).
- Installation by the Member State of the EMSA root CA (if the application server is different from the application client) and the EMSA intermediate, and server, digital certificates on the web servers receiving incoming XML messages (acting as servers). These application servers must also be configured to require HTTPS and client certificates when accessing the page receiving the incoming XML messages (requests or responses).
- Ensuring that the Firewall and DNS servers are configured to the central SSN system Reverse Proxy server.

## Preliminary tests

Preliminary tests should be carried out to ensure that the system is transmitting the correct XML messages to the central SSN system, based on the flow of the XML messages and the XML message specifications outlined in the SSN XML messaging reference guide and the SSN XML Schema "ssn.xsd" (both made available via both the EMSA Website and the Extranet).

The SSN Training environment is primarily set up in order that Member States can test the implementation of their systems and the interfacing with the central SSN system.

Several tests may be conducted by sending notification, request and response messages to/from the central SSN system.

Notification messages should be sent to the central SSN system in order to test the interconnection of the systems, and the access rights of the user

ID defined in the *FROM* attribute of the XML message that was sent should be validated.

The set of test scenarios by notification types or request-response XML messages should be executed in order to test the effectiveness of implementation, and the required corrections and/or adjustments should be carried out as necessary.

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**Prepare the test plan and organize the test team**

While this test plan covers all of the test cases for all types of XML messages exchanged in SSN, the NCA can decide whether the scope of the commissioning test should be limited to a set of test cases. Therefore, the test plan should be adjusted accordingly.

With this regard, the list of test cases and test scenarios to be executed shall be clearly determined and grouped into test cycles.

For every test scenario, the test data should be defined. Test data include the identification of the vessels as appropriate (IMO Number and/or MMSI Number, Call Sign, Ship Name) and the details of the XML message, as defined in the SSN XML messaging specifications. For example, the test data for test scenario S1220-07 are given in the form of the XML message below:

```
<?xml version="1.0" encoding="UTF-8"?>
<MS2SSN_Ship_Not xmlns="urn:eu.emsa.ssn"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Header Version="3.0" MSRefId="SHIP-NOT-MRS-XML-35" SentAt="2009-02-
09T06:38:09Z" From="NCAXYZ1" To="SafeSeaNet"/>
  <Body>
    <MRSNotification>
      <MRSInformation MRSIdentification="ADRIREP"
CSTIdentification="IT_TriesteMRSC"/>
      <VesselIdentification IMONumber="9240005"
MMSINumber="245270000" CallSign="PBBE" ShipName="WATERWAY"/>
      <VoyageInformation NextPortOfCall="PTLIS" ETA="2009-02-
09T07:37:00Z" TotalPersonsOnBoard="35" AnyDG="Y">
        <ShipPosition Longitude="-7220333"
Latitude="33059166" ReportingDateAndTime="2014-09-10T12:42:24"/>
      </VoyageInformation>
    </MRSNotification>
  </Body>
</MS2SSN_Ship_Not>
```

The test plan should be submitted to the MSS for verification. Upon verification, the MSS will provide information on any required changes.

The Member State shall prepare accordingly the test database and the database connection and introduce the test data as appropriate.

The test plan should clearly identify the test team structure and the roles of each participant.

With this regard, the NCA should assign roles/responsibilities and contact persons (internal and external). The Member State shall provide the following information to the MSS:

- The contact details of the test manager (i.e. name/email address/ phone)
- The contact details for the tester(s) (relevant only for test result reporting and bug reports when extra information is required)
- The contact details for the test system administrator(s) (in case test environment problems occur)



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**Request to EMSA before launching the tests**

A request for booking the SSN Training environment should be submitted by the relevant NCA to MSS when all of the aforementioned preliminary actions have been completed, and users are ready to begin the formal commissioning test.

Such a request should be sent at least 5 working days in advance in order to confirm the availability of the Central SSN Training environment.

Depending on the availability of such environment, the MSS may issue a confirmation, or propose an alternative date.

When a Member State is ready to begin testing, the MSS should be informed by telephone or email.

During the commissioning tests, the MSS can be contacted to provide assistance in executing the test scenarios, or for clarification.

When the tests have been completed, the MSS should be informed so that the logging data can be extracted from the SSN Training environment in order to validate the test results.

**Test Cycle**

The test cycle depends on the types of notifications to be tested. The duration of the test will be defined by the Member State in consultation with the MSS.

Each test cycle involves the Member State in following 5 consecutive actions:

Action 1: start of the test cycle

Action 2: continue testing / end of testing

Action 3: draft the test results and the bugs detected and send out the bug report to MSS

Action 4: request new test cycle from MSS

Action 5: receive acknowledgement for next test cycle

**Test Cycle Workflow**

Figure 1 summarises the key elements in the test cycle workflow:

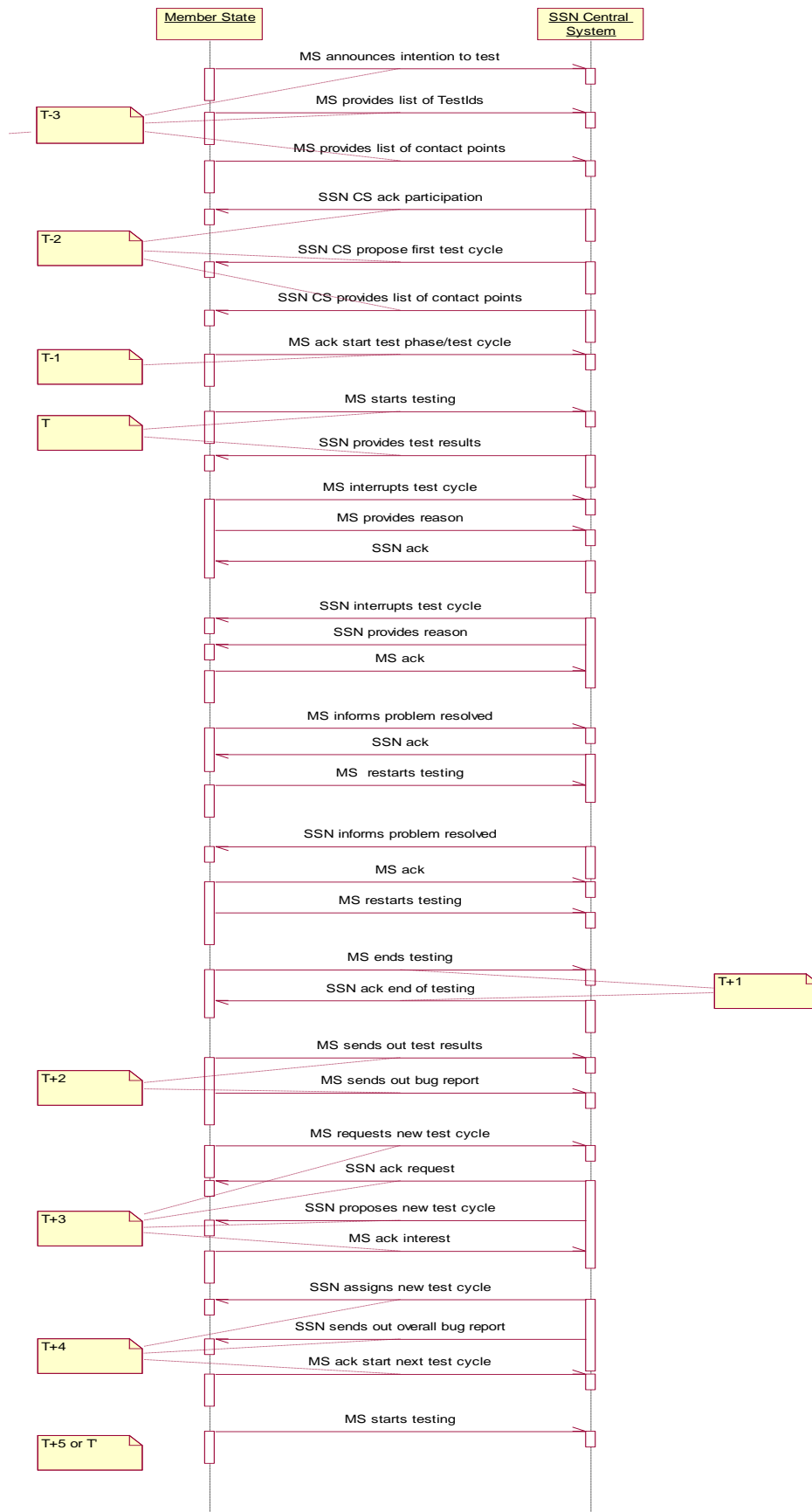


Figure 1 – Test Cycle Workflow

## 4.3. TEST EXECUTION

<b>Test Timeline</b>	Testing can be carried out by individual Member States in order to test their interface with the central SSN system. Although the central system is capable of fully simulating interactions between Member States, there is also the possibility of connecting more than one at the same time in order to demonstrate the real transfer of information.
<b>Test Suspension</b>	Suspension of testing can occur should it become clear that the completion of the tests is not possible. The defect that produced the suspension (known as the suspension defect) is communicated to the responsible engineer for immediate correction.
<b>Test Resumption</b>	Testing can only resume after the test case that produced the suspension defect, and those associated with it, have been successfully re-run (regression test). Testing continues with the next test case.
<b>XML Test Message</b>	<p>When a Member State tests its interface implementation, it will use its test environment (and test interface) to generate XML messages that will be sent to the central SSN system. The test interface should allow entering the TestID related with the test scenario being executed. This TestID should then be incorporated into the XML message in accordance with the XML Messaging Reference Guide. Return of XML messages from the central SSN system will repeat the TestID.</p> <p>The "From" attribute reflects the sender, but not the sender's location or Locode or role. Users should always use the received userid in the "From" attribute, and not the location code, because a location code or location can be linked to multiple users with different roles and different access rights.</p>
<b>Test ID</b>	<p>Member State shall use the following nomenclature:</p> <ul style="list-style-type: none"><li>▪ Member State: XX, 2 letters representing the Member State</li><li>▪ Test Phase: C (conformance testing)</li><li>▪ Test Cycle: 1 to n</li><li>▪ Test scenario ID: Each test scenario described in the last section of this document has a test scenario ID.</li></ul> <p>For example:</p> <p><b>NO-C1-S1220-07</b> indicates that Norway is executing test scenario S1220-07 during the first test cycle of the conformance test phase.</p> <p><b>DE-C2-S1601-01</b> indicates that Germany is executing test scenario S1601-01 during the second test cycle of the conformance test phase.</p>

## XML Test Message Example

```
<?xml version="1.0" encoding="UTF-8"?>
<ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <ssn:Header From="GRPIR01" MSRefId="MS2SSN_PP_S1601-01"
    SentAt="2010-05-18T14:27:26Z" To="SafeSeaNet"
  Version="3.0" />
  <ssn:Body>
    <ssn:NotificationStatus UpdateStatus="N">
    </ssn:NotificationStatus>
    <ssn:Notification>
      <ssn:VesselIdentification IMONumber="9332511" />
      <ssn:VoyageInformation PortOfCall="GRPIR"
        ETAToPortOfCall="2010-02-02T12:00:00Z"
        ETDFromPortOfCall="2010-02-03T12:00:00Z"
        PositionInPortOfCall="MARINE"
        ShipCallId="shipCallIdTEST001a"
        ETAToNextPort="2010-02-03T22:00:00Z"
        LastPort="PTLIS" NextPort="BEOST"
        ETDFromLastPort="2010-02-01T12:00:00Z" />
      <ssn:PreArrival3DaysNotificationDetails
        CargoVolumeNature="fuel"
        ConditionCargoBallastTanks="inerted"
        PlannedWorks="Maintenance"
        PlannedOperations="unloading"
        PossibleAnchorage="Y"
        ShipConfiguration="SHT" />
    </ssn:Notification>
  </ssn:Body>
</ssn:MS2SSN_PortPlus_Not>
```

## Test Scenario Contents

Each test scenario contains the following:

- A description of the test scenario (pre/post conditions)
- A sequence of steps describing what the tester or application should do
- The expected result for each step
- A list of checkpoints where the tester should make verifications (on the interface or in the database)
- The XML message(s) to be distributed
- The XML message(s) to be received

## Test Users

Each Member State should provide a list of (test) users so that user IDs can be assigned for the Message-based mechanism. SSN users are divided into two groups:

- those interfacing via XML (a user\_id will be created for each authority defined in SSN), and;
- those interfacing via the Web (a user account will be created for each person within an authority).

The user\_id for the Message-based mechanism is not valid for the Web interface, and vice versa.

**Testing  
through  
Message-  
based  
mechanism**

Should the national Message-based mechanism of the Member State be used to send out notifications and requests, the central SSN system needs to know the complete data requester URL in order to send back notification acknowledgments and responses to the requests.

If the local Message-based mechanism can act as a data provider, the central SSN system needs to know the complete data provider URL in order to allow the central SSN system to forward requests coming from another Member State.

For each user being entered in the central system, SSN defines the user\_id, the location code, the name (first and last name), the role and the access point to SSN (as data requester and data provider)

Identifying users by the data provider and data requester URLs is essential to the SSN asynchronous architecture, as between the sending of a request for details and the provision of the response to the requester, the session ends. In order to allow SSN to provide a response to the correct requester, a token is stored internally, which allows the system to trace the sender and the corresponding data requester URL. This mechanism is used for each end user connected to SSN.

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## 4.4. TEST REPORTING

**Test  
Reporting**

The test report should contain the test variables such as: Member State, Test Cycle and the test scenarios (TestIDs) actually executed. In addition, the following information should be provided for each test scenario:

- Whether it was executed during the test cycle
- Whether the test passed or failed ("partially passed" is also an option if something went wrong during test execution)
- The bug identifier (for failed tests)

The test report should be made available by the end of the test cycle, so that problems or bugs can be resolved as soon as possible, and another cycle can initiate.

The template of the test report is provided as reference A3.

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## 4.5. TEST CONCLUSION

**Concluding  
Test Cycle**

A report is prepared by EMSA when all test cases have been run. The report will indicate the test cases which passed or failed and follow up actions.

The Member States shall arrange an additional test cycle once the corrections have been applied.

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## 5. TEST SCENARIOS

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### 5.1. PROVISION OF PORTPLUS NOTIFICATION

**Use Case  
Description**

The data provider sends this type of notification to inform that it owns some information related to a ship call. The PortPlus Notification message covers different types of information, such as:

- notification at least 72 hours in advance of a ship's arrival in an EU port, whenever the ship is eligible for an expanded PSC inspection<sup>1</sup>;
- notification at least 24 hours in advance of a ship's arrival in an EU port;
- pre-arrival notification of waste and cargo residues at least 24 hours before the ship's arrival in a EU port (Waste);
- pre-arrival notification of security information at least 24 hours before the ship's arrival in a EU port (Security);
- notification of the actual time of arrival of a ship in an EU port;
- notification of the actual time of departure of a ship from an EU port, and;
- notification of dangerous and polluting goods carried on board a ship bound for an EU port, either when coming from a non-EU or an EU port (HAZMAT).

In the notification, the data provider specifies the way(s) in which the detailed information on the notification can be requested (phone/fax, url and/or xml).

Naming conventions used in test cases and test scenarios for the different data groups are as follows:

- 72h: PreArrival3DaysNotificationDetails
- 24h: PreArrival24HoursNotificationDetails
- Waste: WasteNotification
- Security: SecurityNotification
- ATA: ArrivalNotificationDetails
- ATD: DepartureNotificationDetails
- HazmatNonEUDeparture: HazmatNotificationInfoNonEUDepartures
- HazmatEUDeparture: HazmatNotificationInfoEUDepartures

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**Users set-up**

The following permissions are required in order to set up users effectively:

- For users providing messages via the XML/SOAP, the permission for PortPlus notifications that users are allowed to notify shall be quoted equal to "PORTPLUS\_NOTIFIER" and HAZMAT\_NOTIFIER.
- For users providing messages via the XML/SOAP, the permissions

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<sup>1</sup> Mandatory depending on the Member States national implementation according to IFCD chapter 2.3.

for PortPlus notifications including Waste and Security information that users are allowed to notify shall be quoted equal to "SECURITY\_NOTIFIER" and/or "WASTE\_NOTIFIER" respectively.

The NCA shall define the interface (XML or SOAP) by choosing the proper protocol type in the drop-down list shown in Figure 2:

Figure 2 – SOAP/XML interface setup

## Test Cases

As each use case is a generic activity, it can be executed in a number of ways, which are called use-case realisations or test cases. The following test cases relate to this use case:

Test Case Id	Description
TC-1601	Message-based mechanism sending PortPlus notification (72h, 24h, ATA, ATD) – normal flow
TC-1602	Message-based mechanism sending PortPlus notification (72h, HazmatNonEUDeparture, 24h, Waste, Security, ATA, HazmatEUDeparture, ATD) – normal flow
TC-1603	Message-based mechanism sending PortPlus notification (72h, 24h, ZZCAN) – normal flow – Cancellation of the call
TC-1604	Message-based mechanism sending PortPlus notification (72h, HazmatNonEUDeparture, 24h, Waste, Security, ATA, HazmatEUDeparture, ATD) – normal flow – Update of attributes
TC-1605	Message-based mechanism sending PortPlus notification – Delete elements HazmatNonEUDeparture, HazmatEUDeparture, Waste, Security.
TC-1606	Message-based mechanism sending PortPlus notification – invalid XML message.  <b>NOTE:</b> The national systems should <b>not allow</b> sending invalid messages. <b>If an Invalid notification is sent to SSN core the test is 'Failed'.</b>
TC-1607	Message-based mechanism sending wrong Portplus notification – not complying with business rules.  <b>NOTE:</b> The national systems should <b>not allow</b> sending invalid messages. <b>If an Invalid notification is sent to SSN core the test is 'Failed'.</b>

## Test Scenarios

The available test cases are divided into separate test scenarios with different inputs in order to trigger the validation of additional business processes, extending the "normal" flow of events.

Each of the test scenarios can be tested using valid accounts belonging to different types of authorities (e.g. NCA, POR, PSC or CST). The test scenarios listed below can be repeated using the accounts of different types of authorities.

PortPlus tests for the same Test Case must be run together and contiguously (all scenarios) because of the sequence between messages.

TC-1601 Scenarios		
Mandatory TS	Test Id	Description

--	S1601-01	Message-based mechanism sending PortPlus notification (72h)– normal flow
X	S1601-02	Message-based mechanism sending PortPlus notification (24h) – normal flow – Update of PortPlus S1601-01 by including the 24h
X	S1601-03	Message-based mechanism sending PortPlus notification (ATA) – normal flow – Update of PortPlus S1601-02 by including the ATA
X	S1601-04	Message-based mechanism sending PortPlus notification (ATD) – normal flow – Update of PortPlus S1601-03 by including the ATD (ATA attributes are repeated)
X	S1601-05	Message-based mechanism sending PortPlus notification (Sent_At, ATA) – normal flow – Confirming the correctness of the DT formats in UTC for the Sent_At and ATA attributes

TC-1602 Scenarios		
Mandatory TS	Test Id	Description
--	S1602-01	Message-based mechanism sending PortPlus notification (72h)– normal flow
X	S1602-02	Message-based mechanism sending PortPlus notification (HazardNonEUDeparture and 24h) – normal flow – Update of PortPlus S1602-01 by including HazardNonEUDeparture and 24h
X	S1602-03	Message-based mechanism sending PortPlus notification (Waste) – normal flow – Update of PortPlus S1602 -02 by including Waste
X	S1602-04	Message-based mechanism sending PortPlus notification (Security) – normal flow – Update of PortPlus S1602-03 by including Security and Vessels Details
X	S1602-05	Message-based mechanism sending PortPlus notification (ATA) – normal flow – Update of PortPlus S1602 -04 by including ATA
X	S1602-06	Message-based mechanism sending PortPlus notification (HazardEUDeparture) – normal flow – Update of PortPlus S1602-05 by including HazardEUDeparture (ATA attributes are updated)
X	S1602-07	Message-based mechanism sending PortPlus notification (ATD) – normal flow – Update of PortPlus S1602 -06 by including ATD (ATA attributes are repeated)

TC-1603 Scenarios		
Mandatory TS	Test Id	Description
--	S1603-01	Message-based mechanism sending PortPlus notification (72h)– normal flow
X	S1603-02	Message-based mechanism sending PortPlus notification (24h) – normal flow – Update of PortPlus S1603-01 by including 24h
X	S1603-03	Message-based mechanism sending PortPlus notification (ZZCAN) – normal flow – Cancellation of Ship Call

TC-1604 Scenarios		
Mandatory TS	Test Id	Description
--	S1604-01	Message-based mechanism sending PortPlus notification (72h, 24h, HazardNonEUDeparture) - normal flow
X	S1604-02	Message-based mechanism sending PortPlus notification (72h, 24h) – normal flow – Update of S1604-01 deleting some of the attributes of the 72h data group (only the attribute 'PossibleAnchorage' will be quoted) and POBVoyageTowardPortofCall in the 24h data group will be updated.



X	S1604-03	Message-based mechanism sending PortPlus notification (VoyageInformation) – normal flow – Update of S1604-02 by updating 'PortOfCall' and the ETAToPortOfCall. The port of call will be a subsidiary port.
X	S1604-04	Message-based mechanism sending PortPlus notification (72h, Waste, VesselDetails, Security) – normal flow – Update of S1604-03 by updating the 72h data group and including the Waste, Vessel Details and Security
X	S1604-05	Message-based mechanism sending PortPlus notification (Waste) – normal flow – Update of S1604-04 by updating the Waste
X	S1604-06	Message-based mechanism sending PortPlus notification (Security) – normal flow – Update of S1604-05 by updating the Security
X	S1604-07	Message-based mechanism sending PortPlus notification (ATA, HazmatEUDeparture ) – normal flow – Update of S1604-06 by including ATA and HazmatEUDeparture
--	S1604-08	Message-based mechanism sending PortPlus notification (ATA, ATD, HazmatEUDeparture) – normal flow – Update of PortPlus S1604-07 by including ATD and updating HazmatEUDeparture having cargo manifest details in URL (if applicable, in case the ContactDetails are NOT specified)

TC-1605 Scenarios		
Mandatory TS	Test Id	Description
X	S1605-01	Message-based mechanism sending PortPlus notification - - Update of S1604-08 by deleting HazmatNonEUDeparture.
X	S1605-02	Message-based mechanism sending PortPlus notification. - Update of S1605-01 by deleting HazmatEUDeparture.
X	S1605-03	Message-based mechanism sending PortPlus notification. - Update of S1605-02 by deleting Waste.
X	S1605-04	Message-based mechanism sending PortPlus notification. - Update of S1605-03 by deleting Security.

Regarding the Test Cases TC-1606 and TC-1607 which should be implemented and tested at the national SafeSeaNet system level, the Member State shall inform EMSA whether or not their system prevents the provision of these "invalid" messages to the Central SSN system.

TC-1606 Scenarios		
Mandatory TS	Test Id	Description
<p>Invalid scenarios 'Mandatory'</p> <p>The national systems should <b>not allow</b> sending the messages in these scenarios</p> <p><b>If an Invalid notification is sent to SSN core the</b></p>	S1606-01	Message-based mechanism sending PortPlus notification – invalid IMO (less than 7 characters)
	S1606-02	Message-based mechanism sending PortPlus notification – no IMO nor MMSI
	S1606-03	Message-based mechanism sending PortPlus notification – no ShipCallId
	S1606-04	Message-based mechanism sending PortPlus notification – no PortOfCall
	S1606-05	Message-based mechanism sending PortPlus notification – non technically correct LOCODE in PortOfCall
	S1606-06	Message-based mechanism sending PortPlus notification – non technically correct Date and time in Date attributes
	S1606-07	Message-based mechanism sending PortPlus notification ( 24h) – no POBVoyageTowardsPortOfCall
	S1606-08	Message-based mechanism sending PortPlus notification (HazmatCargoInformation) – no HazmatOnBoardYorN
	S1606-09	Message-based mechanism sending PortPlus notification (HazmatCargoInformation-DG) – no DGClassification
	S1606-12	Message-based mechanism sending PortPlus notification (CargoManifest- URL) – no URL nor DocType
	S1606-13	Message-based mechanism sending PortPlus notification (CargoManifest- ContactDetails) – no LOCODE nor Phone nor Fax

TC-1606 Scenarios		
Mandatory TS	Test Id	Description
<b>test is 'Failed'</b>	S1606-14	Message-based mechanism sending PortPlus notification HazmatEU (VoyageInformation) – NextPort and ETAToNextPort are null
	S1606-15	Message-based mechanism sending PortPlus notification (VesselIdentification, VoyageInformation, 72h, 24h) – no ETAToPortOfCall nor ETDFromPortOfCall declared
	S1606-16	Message-based mechanism sending PortPlus notification (72h) – 72h element with no attributes declared
	S1606-17	Message-based mechanism sending PortPlus notification (HazmatCargoInformation-DG) – DGClassification not including in the Enumerated list
	S1606-18	Message-based mechanism sending PortPlus notification (ATA) – no ATAPortOfCall provided
	S1606-19	Message-based mechanism sending PortPlus notification (ATA, ATD) – no ATDPortOfCall provided
	S1606-20	Message-based mechanism sending PortPlus notification – Send DepartureNotificationDetails data group without sending the ArrivalNotificationDetails data group

TC-1607 Scenarios		
Mandatory TS	Test Id	Description
<p>Invalid scenarios 'Mandatory'</p> <p>The national systems should <b>not allow</b> sending the messages in these scenarios</p> <p><b>If an Invalid notification is sent to SSN core the test is 'Failed'</b></p>	S1607-01	Message-based mechanism sending PortPlus notification (VesselIdentification, VoyageInformation, 72h, 24h)– MSRefId repeated (from previous scenarios) or repeated shipcallId for another ship and/or another Port
	S1607-02	Message-based mechanism sending PortPlus notification (VesselIdentification, VoyageInformation, 72h, 24h)– User without access rights in the 'From' attribute (A 72h for an other port in an other country)
	S1607-03	Message-based mechanism sending PortPlus notification (VesselIdentification, VoyageInformation, 72h, 24h)– Update non-existing MSRefId (message accepted-warning received)
	S1607-04	Message-based mechanism sending PortPlus notification (VesselIdentification, VoyageInformation, 72h, 24h)– IMO non-compliant with checking algorithm
	S1607-05	Message-based mechanism sending PortPlus notification (VesselIdentification, VoyageInformation, 72h, 24h)– MMSI non-compliant with valid MIDs
	S1607-06	Message-based mechanism sending PortPlus notification (VesselIdentification, VoyageInformation, 72h, 24h)– Shipname not containing only Roman alphabet nor Latin numbers characters ( <i>Also the following characters are accepted: dot (.), dash (-) and single apostrophe (') as they are employed in certain actual ship names</i> )
	S1607-07	Message-based mechanism sending PortPlus notification (VesselIdentification, VoyageInformation, 72h, 24h)– Flag not correspondent to the MMSI'MID (message accepted-warning received)
	S1607-08	Message-based mechanism sending PortPlus notification (VesselIdentification, VoyageInformation, 72h, 24h)– 'PortOfCall'='ZZCAN' with 'UpdateStatus'='N'
	S1607-09	Message-based mechanism sending PortPlus notification (VesselIdentification, VoyageInformation, 72h, 24h)– ETAToPortOfCall ≥ ETDFromPortOfCall
	S1607-10	Message-based mechanism sending PortPlus notification (VesselIdentification, VoyageInformation, 72h, 24h, ATA, ATD) – ETAToNextPortOfCall ≤ ATDPortOfCall
	S1607-11	Message-based mechanism sending PortPlus notification (VesselIdentification, VoyageInformation, 72h, 24h, ATA, ATD) – ATDPortOfCall ≤ ATAPortOfCall
	S1607-12	Message-based mechanism sending PortPlus notification (VesselIdentification, VoyageInformation, 72h, 24h)– POBVoyageTowardsPort=0
	S1607-13	Message-based mechanism sending PortPlus notification (CargoManifest)– URL not under HTTPS protocol

TC-1607 Scenarios		
Mandatory TS	Test Id	Description
	S1607-14	Message-based mechanism sending PortPlus notification (CargoManifest)– phone and fax with spaces or characters not being numbers or '+'
	S1607-15	Message-based mechanism sending PortPlus notification (VesselIdentification, VoyageInformation, 72h, 24h) – PortofCall quoted with a non recognize LOCODE (specific or UNECE function 1)

## Scenario details

The detailed description of each scenario consists of:

- the action required of the national application;
- the expected result from the EIS, and;
- checkpoints.

When performing the test, add in the commissioning test report:

- the actual result, and;
- any comments.

When testing the normal flow, a valid XML message with correct data must be supplied.

The invalid XML message flow should be tested by the national systems to ensure that the national system prevents the sending of invalid XML messages or those that do not comply with business rules. If EIS receives an invalid XML message, the test case/scenario is recorded as "Failed."

To test the new "Voyage – create" flow, an XML message must be sent with update status 'N' for a voyage not defined in the EIS database and identified by the ShipCallId value (test data may be used for testing purposes). When testing the "existing voyage – update" flow, an XML message must be sent with update status 'U' for the voyage identified initially in the "new voyage – create" flow, with updated details to trigger the voyage update procedure in the EIS database.

The incoming and outgoing XML messages are described in detail in the XML Reference Guide document:

- Receipt acknowledgement: SSN\_Receipt
- MS2SSN\_PortPlus\_Not

S1601-01	Message-based mechanism sending PortPlus notification (72h) – normal flow
S1601-02	Message-based mechanism sending PortPlus notification (24h) – normal flow – Update of PortPlus S1601-01 by including the 24h
S1601-03	Message-based mechanism sending PortPlus notification (ATA) – normal flow – Update of PortPlus S1601-02 by including the ATA
S1601-04	Message-based mechanism sending PortPlus notification (ATD) – normal flow – Update of PortPlus S1601-03 by including the ATD (ATA attributes are repeated)
S1601-05	Message-based mechanism sending PortPlus notification (Sent_At, ATA) – normal flow – Confirming the correctness of the DT formats in UTC for the Sent_At and ATA attributes
<b>Sample XML message</b>	
S1601-01	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="N" and 72h information.</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn"   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSN_PP_S1601-01"     SentAt="2014-05-16T14:27:26Z" To="SafeSeaNet" Version="3.0" /&gt;   &lt;ssn:Body&gt;     &lt;ssn:NotificationStatus UpdateStatus="N"&gt;     &lt;/ssn:NotificationStatus&gt;     &lt;ssn:Notification&gt;       &lt;ssn:VesselIdentification IMONumber="9332511" /&gt;       &lt;ssn:VoyageInformation PortOfCall="GRPIR"         ETAToPortOfCall="2014-05-18T18:00:00Z"         ETDFromPortOfCall="2014-05-18T23:00:00Z"         PositionInPortOfCall="MARINE"         ShipCallId="shipCallIdTEST1"         ETAToNextPort="2014-05-21T22:00:00Z" LastPort="PTLIS"         NextPort="BEOST"         ETDFromLastPort="2014-05-16T12:00:00Z" /&gt;       &lt;ssn:PreArrival3DaysNotificationDetails         CargoVolumeNature="fuel"         ConditionCargoBallastTanks="inerted"         PlannedWorks="Maintenance"         PlannedOperations="unloading"         PossibleAnchorage="Y" ShipConfiguration="SHT" /&gt;     &lt;/ssn:Notification&gt;   &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt;</pre>
SSN_Receipt	<pre>&lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt   xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1601-01" SSNRefId="1535167"   StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0"   SentAt="2014-05-16T14:27:27Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt;</pre>
S1601-02	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1601-01 by including the 24h</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn"   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSN_PP_S1601-02"     SentAt="2014-05-18T14:30:26Z" To="SafeSeaNet" Version="3.0" /&gt;   &lt;ssn:Body&gt;     &lt;ssn:NotificationStatus UpdateStatus="U"&gt;     &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_PP_S1601-01"/&gt;     &lt;/ssn:NotificationStatus&gt;     &lt;ssn:Notification&gt;       &lt;ssn:VesselIdentification IMONumber="8829127" /&gt;       &lt;ssn:VoyageInformation PortOfCall="GRPIR"         ETAToPortOfCall="2014-05-18T18:00:00Z" ETDFromPortOfCall="2014-05-18T23:00:00Z"         PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTEST1"         ETAToNextPort="2014-05-21T22:00:00Z" LastPort="PTLIS" NextPort="BEOST"         ETDFromLastPort="2014-05-16T12:00:00Z" /&gt;       &lt;ssn:PreArrival24HoursNotificationDetails         POBVoyageTowardsPortOfCall="20" /&gt;     &lt;/ssn:Notification&gt;   &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt;</pre>

	</ssn:Notification> </ssn:Body> </ssn:MS2SSN_PortPlus_Not>
SSN_Receipt	<?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_PP_S1601-02" SSNRefId="1533801" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-05-18T14:30:27Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt>
S1601-03	<b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1601-02 by including the ATA  <b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.
MS2SSN_Notification	<?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <ssn:Header From="GRPIR01" MSRefId="MS2SSN_PP_S1601-03" SentAt="2014-05-18T18:25:26Z" To="SafeSeaNet" Version="3.0" /> <ssn:Body> <ssn:NotificationStatus UpdateStatus="U"> <ssn:UpdateNotifications UpdateMSRefId="MS2SSN_PP_S1601-02"/> </ssn:NotificationStatus> <ssn:Notification> <ssn:VesselIdentification IMONumber="8829127" /> <ssn:VoyageInformation PortOfCall="GRPIR" ETAToPortOfCall="2014-05-18T18:00:00Z" ETDFromPortOfCall="2014-05-18T23:00:00Z" PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTEST1" ETAToNextPort="2014-05-21T22:00:00Z" LastPort="PTLIS" NextPort="BEOST" ETDFromLastPort="2014-05-16T12:00:00Z" /> <ssn:PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="20" /> <ssn:ArrivalNotificationDetails ATAPortOfCall="2014-05-18T18:15:00Z" /> </ssn:Notification> </ssn:Body> </ssn:MS2SSN_PortPlus_Not>
SSN_Receipt	<?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_PP_S1601-03" SSNRefId="1533804" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-05-18T18:25:27Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt>
S1601-04	<b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1601-03 by including the ATD  <b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.
MS2SSN_Notification	<?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <ssn:Header From="GRPIR01" MSRefId="MS2SSN_PP_S1601-04" SentAt="2014-05-18T23:25:26Z" To="SafeSeaNet" Version="3.0" /> <ssn:Body> <ssn:NotificationStatus UpdateStatus="U"> <ssn:UpdateNotifications UpdateMSRefId="MS2SSN_PP_S1601-03"/> </ssn:NotificationStatus> <ssn:Notification> <ssn:VesselIdentification IMONumber="8829127" /> <ssn:VoyageInformation PortOfCall="GRPIR" ETAToPortOfCall="2014-05-18T18:00:00Z" ETDFromPortOfCall="2014-05-18T23:00:00Z" PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTEST1" ETAToNextPort="2014-05-21T22:00:00Z" LastPort="PTLIS" NextPort="BEOST" ETDFromLastPort="2014-05-16T12:00:00Z" /> <ssn:PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="35"/> <ssn:ArrivalNotificationDetails ATAPortOfCall="2014-05-18T18:15:00Z" /> <ssn:DepartureNotificationDetails ATDPortOfCall="2014-05-18T23:10:00Z" /> </ssn:Notification> </ssn:Body> </ssn:MS2SSN_PortPlus_Not>
SSN_Receipt	<?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_PP_S1601-04" SSNRefId="1533806" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0"

	SentAt="2014-05-18T23:25:27Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt>
S1601-05	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" – Ensure the SentAt and ATAPortOfCall attributes are in UTC Date and Time format: "YYYY-MM-DDThh:mm:ssTZD" where TZD = time zone designator (Z or +hh:mm or -hh:mm).</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN_Notification	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSN_PP_S1601-05"     SentAt="2014-05-18T23:25:26Z" To="SafeSeaNet" Version="3.0" /&gt;   &lt;ssn:Body&gt;     &lt;ssn:NotificationStatus UpdateStatus="U"&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_PP_S1601-03"/&gt;     &lt;/ssn:NotificationStatus&gt;     &lt;ssn:Notification&gt;       &lt;ssn:VesselIdentification IMONumber="8829127" /&gt;       &lt;ssn:VoyageInformation PortOfCall="GRPIR"         ETAToPortOfCall="2014-05-18T18:00:00Z" ETDFromPortOfCall="2014-05-18T23:00:00Z"         PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTEST1"         ETAToNextPort="2014-05-21T22:00:00Z" LastPort="PTLIS" NextPort="BEOST"         ETDFromLastPort="2014-05-16T12:00:00Z" /&gt;       &lt;ssn:PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="35"/&gt;       &lt;ssn:ArrivalNotificationDetails         ATAPortOfCall="2014-05-18T18:15:00Z" /&gt;       &lt;ssn:DepartureNotificationDetails         ATDPortOfCall="2014-05-18T23:10:00Z" /&gt;     &lt;/ssn:Notification&gt;   &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt;</pre>
SSN_Receipt	<pre>&lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_PP_S1601-04" SSNRefId="1533806"   StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0"   SentAt="2014-05-18T23:25:27Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt;</pre>



S1602-01	Message-based mechanism sending PortPlus notification (72h) – normal flow
S1602-02	Message-based mechanism sending PortPlus notification (HazardNonEUDeparture and 24h) – normal flow – Update of PortPlus S1602-01 by including HazardNonEUDeparture and 24h
S1602-03	Message-based mechanism sending PortPlus notification (Waste) – normal flow – Update of PortPlus S1602 -02 by including Waste
S1602-04	Message-based mechanism sending PortPlus notification (Security, Vessel Details) – normal flow – Update of PortPlus S1602-03 by including Security and Vessels Details
S1602-05	Message-based mechanism sending PortPlus notification (ATA) – normal flow – Update of PortPlus S1602 -04 by including ATA
S1602-06	Message-based mechanism sending PortPlus notification (HazardEUDeparture) – normal flow – Update of PortPlus S1602-05 by including HazardEUDeparture (ATA attributes are repeated)
S1602-07	Message-based mechanism sending PortPlus notification (ATD) – normal flow – Update of PortPlus S1602 -06 by including ATD (ATA attributes are repeated)
<b>Sample XML message</b>	
S1602-01	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="N" and 72h information.</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt; &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSN_S1602-01" SentAt="2014-07-21T12:00:00Z" To="SafeSeaNet" Version="3.0" /&gt; &lt;ssn:Body&gt; &lt;ssn:NotificationStatus UpdateStatus="N"&gt; &lt;/ssn:NotificationStatus&gt; &lt;ssn:Notification&gt; &lt;ssn:VesselIdentification IMONumber="9332511" /&gt; &lt;ssn:VoyageInformation PortOfCall="GRPIR" ETAToPortOfCall="2014-07-28T12:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z" PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTESTas" ETAToNextPort="2014-07-29T22:00:00Z" LastPort="PTLIS" NextPort="BEOST" ETDFromLastPort="2014-07-27T12:00:00Z" /&gt; &lt;ssn:PurposeOfCall CallPurposeCode="1"/&gt; &lt;/ssn:VoyageInformation&gt; &lt;ssn:PreArrival3DaysNotificationDetails CargoVolumeNature="fuel" ConditionCargoBallastTanks="inerted" PlannedWorks="Maintenance" PlannedOperations="unloading" PossibleAnchorage="Y" ShipConfiguration="SHT" /&gt; &lt;/ssn:Notification&gt; &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt;</pre>
SSN_Receipt	<pre>&lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1602-01" SSNRefId="1533824" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-08-25T07:19:45Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt;</pre>
S1602-02	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" – Update of PortPlus S1602-01 by including HazardNonEUDeparture and 24h</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt; &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSN_S1602-02" SentAt="2014-07-21T14:11:45Z" To="SafeSeaNet" Version="3.0" /&gt; &lt;ssn:Body&gt; &lt;ssn:NotificationStatus UpdateStatus="U"&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-01"/&gt; &lt;/ssn:NotificationStatus&gt; &lt;ssn:Notification&gt; &lt;ssn:VesselIdentification IMONumber="9332511" /&gt; &lt;ssn:VoyageInformation PortOfCall="GRPIR" ETAToPortOfCall="2014-07-28T12:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z" PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTESTas" ETAToNextPort="2014-07-29T22:00:00Z" LastPort="PTLIS" NextPort="BEOST" ETDFromLastPort="2014-07-27T12:00:00Z" /&gt;</pre>

	<pre> &lt;ssn:PreArrival24HoursNotificationDetails   POBVoyageTowardsPortOfCall="20" /&gt; &lt;ssn:HazmatNotificationInfoNonEUDepartures&gt;   &lt;ssn:HazmatCargoInformation     HazmatOnBoardYorN="Y"&gt;       &lt;ssn:DG DGClassification="IGC" /&gt;       &lt;ssn:DG DGClassification="IBC" /&gt;     &lt;/ssn:HazmatCargoInformation&gt;     &lt;ssn:CargoManifest&gt;       &lt;ssn:UrlDetails Url= "http://tempuri.org" DocType="HTML" /&gt;     &lt;/ssn:CargoManifest&gt;   &lt;/ssn:HazmatNotificationInfoNonEUDepartures&gt; &lt;/ssn:Notification&gt; &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt; </pre>
SSN_Receipt	<pre> &lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt   xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1602-02" SSNRefId="1525948"   StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0"   SentAt="2014-07-28T07:43:53Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt </pre>
S1602-03	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" -Update of PortPlus S1602 -02 by including Waste</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
	<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn"   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSNS1602_03"   SentAt="2014-07-21T14:27:27Z" To="SafeSeaNet" Version="3.0" /&gt;   &lt;ssn:Body&gt;     &lt;ssn:NotificationStatus UpdateStatus="U"&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-01" /&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-02" /&gt;     &lt;/ssn:NotificationStatus&gt;     &lt;ssn:Notification&gt;       &lt;ssn:VesselIdentification IMONumber="9332511" /&gt;       &lt;ssn:VoyageInformation PortOfCall="GRPIR"         ETAToPortOfCall="2014-07-28T12:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z"         PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTESTas"         ETAToNextPort="2014-07-29T22:00:00Z" LastPort="PTLIS" NextPort="BEOST"         ETDFromLastPort="2014-07-27T12:00:00Z" /&gt;       &lt;ssn:WasteNotification         LastPortDelivered="PTLIS"         LastPortDeliveredDate="2014-07-27" WasteDeliveryStatus="All" /&gt;     &lt;/ssn:Notification&gt;   &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt; </pre>
SSN Receipt	<pre> &lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt   xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSNS1602_03" SSNRefId="1537841"   StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0"   SentAt="2014-09-03T10:11:24Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt; </pre>
S1602-04	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1602 -03 by including Security and Vessel Details, and updating VoyageInformation with additional elements associated with the Security information.</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn"   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSNS1602_04" SentAt="2014-07-   21T14:27:27Z" To="SafeSeaNet" Version="3.0"/&gt;   &lt;ssn:Body&gt;     &lt;ssn:NotificationStatus UpdateStatus="U"&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-01"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-02"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-03"/&gt;     &lt;/ssn:NotificationStatus&gt; </pre>



	<pre> &lt;ssn:Notification&gt;   &lt;ssn:VesselIdentification IMONumber="9332511"/&gt;   &lt;ssn:VoyageInformation PortOfCall="GRPIR" ETAToPortOfCall="2014-07-28T12:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z" PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTESTas" PortFacility="1212" ETAToNextPort="2014-07-29T22:00:00Z" LastPort="PTLIS" NextPort="BEOST" ETDFromLastPort="2014-07-27T12:00:00Z" BriefCargoDescription="desc"&gt;   &lt;ssn:PurposeOfCall CallPurposeCode="10"/&gt;   &lt;ssn:PurposeOfCall CallPurposeCode="11"/&gt; &lt;/ssn:VoyageInformation&gt;   &lt;ssn:VesselDetails GrossTonnage="150000" ShipType="50"&gt;     &lt;ssn:InmarsatCallNumber Inmarsat="999999998"/&gt;     &lt;ssn:InmarsatCallNumber Inmarsat="999999999"/&gt;     &lt;ssn:CertificateOfRegistry IssueDate="2014-09-04Z" CertificateNumber="1Q23H56"&gt;&lt;ssn:PortOfRegistry LoCode="GRPIR" LocationName="PIRAEUS"/&gt;&lt;/ssn:CertificateOfRegistry&gt;     &lt;ssn:Company CompanyName="TEST_COMP" IMOCompanyNr="9332511"/&gt;   &lt;/ssn:VesselDetails&gt;   &lt;ssn:SecurityNotification CurrentSecurityLevel="SL2"&gt;     &lt;ssn:AgentInPortAtArrival AgentName="George" Phone="2107898659" Fax="2106598365" EMail="george@intra.gr"/&gt;   &lt;/ssn:SecurityNotification&gt; &lt;/ssn:Notification&gt; &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt; </pre>
SSN Receipt	<pre> &lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSNS1602_04" SSNRefId="1537849" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-09-03T10:15:54Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt; </pre>
S1602-05	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" – Update of PortPlus S1602 -04 by including ATA.</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSNS1602-05" SentAt="2014-07-21T14:27:27Z" To="SafeSeaNet" Version="3.0" /&gt;   &lt;ssn:Body&gt;     &lt;ssn:NotificationStatus UpdateStatus="U"&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-01" /&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-02" /&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-03" /&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-04" /&gt;     &lt;/ssn:NotificationStatus&gt;     &lt;ssn:Notification&gt;       &lt;ssn:VesselIdentification IMONumber="9332511" /&gt;       &lt;ssn:VoyageInformation PortOfCall="GRPIR" ETAToPortOfCall="2014-07-28T12:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z" PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTESTas" ETAToNextPort="2014-07-29T22:00:00Z" LastPort="PTLIS" NextPort="BEOST" ETDFromLastPort="2014-07-27T12:00:00Z" PortFacility="1212" BriefCargoDescription="desc"&gt;         &lt;ssn:PurposeOfCall CallPurposeCode="10"/&gt;         &lt;ssn:PurposeOfCall CallPurposeCode="11"/&gt;       &lt;/ssn:VoyageInformation&gt;       &lt;ssn:ArrivalNotificationDetails         ATAPortOfCall="2014-07-28T12:00:00Z" /&gt;     &lt;/ssn:Notification&gt;   &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt; </pre>
SSN_Receipt	<pre> &lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1602-05" SSNRefId="1535189" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-08-28T08:11:54Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt; </pre>
S1602-06	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1602-05 by including HazmatEUDeparture (ATA attributes are updated) and</p>

	<p>POBVoyageTowardsNextPort (included under DepartureNotificationDetails)</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt; &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSN_S1602_6" SentAt="2014-07-21T14:27:27Z" To="SafeSeaNet" Version="3.0" /&gt; &lt;ssn:Body&gt; &lt;ssn:NotificationStatus UpdateStatus="U"&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-01" /&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-02" /&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-03" /&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-04" /&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-05" /&gt; &lt;/ssn:NotificationStatus&gt; &lt;ssn:Notification&gt; &lt;ssn:VesselIdentification IMONumber="9332511" /&gt; &lt;ssn:VoyageInformation PortOfCall="GRPIR" ETDFromPortOfCall="2014-07-29T12:00:00Z" PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTESTas" ETAToNextPort="2014-07-29T22:00:00Z" LastPort="PTLIS" NextPort="BEOST" ETDFromLastPort="2014-07-27T12:00:00Z"PortFacility="1212" BriefCargoDescription="desc"&gt; &lt;ssn:PurposeOfCall CallPurposeCode="10"/&gt; &lt;ssn:PurposeOfCall CallPurposeCode="11"/&gt; &lt;/ssn:VoyageInformation&gt; &lt;ssn:ArrivalNotificationDetails ATAPortOfCall="2014-07-28T12:00:00Z" Anchorage="N"/&gt; &lt;ssn:DepartureNotificationDetails POBVoyageTowardsNextPort="22" /&gt; &lt;ssn:HazmatNotificationInfoEUDepartures&gt; &lt;ssn:HazmatCargoInformation HazmatOnBoardYorN="Y" &gt; &lt;ssn:DG DGClassification="IMDG" /&gt; &lt;/ssn:HazmatCargoInformation&gt; &lt;ssn:CargoManifest&gt; &lt;ssn:ContactDetails LoCode="GRPIR" Fax="2101234567" Phone="2101234567" /&gt; &lt;/ssn:CargoManifest&gt; &lt;/ssn:HazmatNotificationInfoEUDepartures&gt; &lt;/ssn:Notification&gt; &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt;</pre>
SSN_Receipt	<pre>&lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1602_5" SSNRefId="1535191" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-08-28T08:11:55Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt;</pre>
S1602-07	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1602 -06 by including ATD (ATA attributes are repeated)</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt; &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSN_S1602_6" SentAt="2014-07-21T14:27:27Z" To="SafeSeaNet" Version="3.0" /&gt; &lt;ssn:Body&gt; &lt;ssn:NotificationStatus UpdateStatus="U"&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-01" /&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-02" /&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-03" /&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-04" /&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-05" /&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1602-06" /&gt; &lt;/ssn:NotificationStatus&gt;</pre>

	<pre> &lt;ssn:Notification&gt;   &lt;ssn:VesselIdentification IMONumber="9332511" /&gt;   &lt;ssn:VoyageInformation PortOfCall="GRPIR"     PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTESTas"     ETAToNextPort="2014-07-29T22:00:00Z" LastPort="PTLIS" NextPort="BEOST"     ETDFromLastPort="2014-07-27T12:00:00Z" PortFacility="1212"     BriefCargoDescription="desc"&gt;     &lt;ssn:PurposeOfCall CallPurposeCode="10"/&gt;     &lt;ssn:PurposeOfCall CallPurposeCode="11"/&gt;   &lt;/ssn:VoyageInformation&gt;    &lt;ssn:ArrivalNotificationDetails     ATAPortOfCall="2014-07-28T12:00:00Z " Anchorage="N"/&gt;   &lt;ssn:DepartureNotificationDetails     ATDPortOfCall="2014-07-29T17:27:27Z"     POBVoyageTowardsNextPort="22"/&gt; &lt;/ssn:Notification&gt; &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt; </pre>
SSN_Receipt	<pre> &lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1602_6" SSNRefId="1535195" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-08-28T08:21:45Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt; </pre>

S1603-01	Message-based mechanism sending PortPlus notification (72h) – normal flow.
S1603-02	Message-based mechanism sending PortPlus notification (24h) – normal flow – Update of PortPlus S1603-01 by including 24h. (b)
S1603-03	Message-based mechanism sending PortPlus notification (ZZCAN) – normal flow – Cancellation of Ship Call. (c)
<b>Sample XML message</b>	
S1603-01	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="N" and 72h information.</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" &gt;   &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSN_S1603_01"     SentAt="2014-07-21T12:00:00Z" To="SafeSeaNet" Version="3.0" /&gt;   &lt;ssn:Body&gt;     &lt;ssn:NotificationStatus UpdateStatus="N"&gt;     &lt;/ssn:NotificationStatus&gt;     &lt;ssn:Notification&gt;       &lt;ssn:VesselIdentification IMONumber="9332511" /&gt;       &lt;ssn:VoyageInformation PortOfCall="GRPIR"         ETAToPortOfCall="2014-07-28T12:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z"         PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTEST01"         ETAToNextPort="2014-07-29T22:00:00Z" LastPort="PTLIS" NextPort="BEOST"         ETDFromLastPort="2014-07-27T12:00:00Z" /&gt;       &lt;ssn:PreArrival3DaysNotificationDetails         CargoVolumeNature=" fuel" ConditionCargoBallastTanks="inerted"         PlannedWorks="Maintenance" PlannedOperations="unloading"         PossibleAnchorage="Y" ShipConfiguration="SHT" /&gt;     &lt;/ssn:Notification&gt;   &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt; </pre>
SSN_Receipt	<pre> &lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1603_01" SSNRefId="1535213" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-08-28T08:27:09Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt; </pre>
S1603-02	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" Update of PortPlus S1603-01 by including 24h.</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" </pre>

	<pre> xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt; &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSN_S1603_02" SentAt="2014-07-21T14:11:45Z" To="SafeSeaNet" Version="3.0" /&gt; &lt;ssn:Body&gt; &lt;ssn:NotificationStatus UpdateStatus="U"&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1603-01"/&gt; &lt;/ssn:NotificationStatus&gt; &lt;ssn:Notification&gt; &lt;ssn:VesselIdentification IMONumber="9332511" /&gt; &lt;ssn:VoyageInformation PortOfCall="GRPIR" ETAToPortOfCall="2014-07-28T12:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z" PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTEST01" ETAToNextPort="2014-07-29T22:00:00Z" LastPort="PTLIS" NextPort="BEOST" ETDFromLastPort="2014-07-27T12:00:00Z" /&gt; &lt;ssn:PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="20" /&gt; &lt;/ssn:Notification&gt; &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt; </pre>
SSN_Receipt	<pre> &lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1603_02" SSNRefId="1535204" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-08-28T08:24:38Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt; </pre>
S1603-03	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Cancellation of Ship Call.</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt; &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSN_S1603-03" SentAt="2014-07-21T14:15:45Z" To="SafeSeaNet" Version="3.0" /&gt; &lt;ssn:Body&gt; &lt;ssn:NotificationStatus UpdateStatus="U"&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1603-01"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1603-02"/&gt; &lt;/ssn:NotificationStatus&gt; &lt;ssn:Notification&gt; &lt;ssn:VesselIdentification IMONumber="9332511" /&gt; &lt;ssn:VoyageInformation PortOfCall="ZZCAN" ShipCallId="shipCallIdTEST01" /&gt; &lt;/ssn:Notification&gt; &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt; </pre>
SSN_Receipt	<pre> &lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1603-03" SSNRefId="1535236" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-08-28T08:40:39Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt; </pre>

S1604-01	Message-based mechanism sending PortPlus notification (72h, 24h, HazmatNonEUDeparture) – normal flow
S1604-02	Message-based mechanism sending PortPlus notification ( 72h, 24h) – normal flow – Update of S1604-01 deleting some of the attributes of the 72h data group (only the attribute 'PossibleAnchorage' will be quoted) and POBVoyageTowardPortofCall in the 24h data group will be updated.
S1604-03	Message-based mechanism sending PortPlus notification (VoyageInformation) – normal flow – Update of S1604-02 by updating 'PortOfCall' and the ETAToPortOfCall. The port of call will be a subsidiary port.
S1604-04	Message-based mechanism sending PortPlus notification (72h, Waste, Security) – normal flow – Update of S1604-03 by updating the 72h data group and including the Waste and Security
S1604-05	Message-based mechanism sending PortPlus notification (Waste, Security, VesselDetails) – normal flow – Update of S1604-04 by updating the Waste
S1604-06	Message-based mechanism sending PortPlus notification (Waste, Security) – normal flow – Update of S1604-05 by updating the Security
S1604-07	Message-based mechanism sending PortPlus notification (ATA, HazmatEUDeparture ) – normal flow – Update of S1604-06 by including ATA and HazmatEUDeparture
S1604-08	Message-based mechanism sending PortPlus notification (ATA, ATD, HazmatEUDeparture) – normal flow – Update of PortPlus S1604-07 by including ATD and updating HazmatEUDeparture having cargo manifest details in URL

Sample XML messages	
S1604-01	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="N", with 72h, 24h, HazmatNonEuDeparture</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" &gt;   &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSN_S1604_01" SentAt="2014-07- 21T14:11:45Z" To="SafeSeaNet" Version="3.0"/&gt;   &lt;ssn:Body&gt;     &lt;ssn:NotificationStatus UpdateStatus="N"&gt;     &lt;/ssn:NotificationStatus&gt;     &lt;ssn:Notification&gt;       &lt;ssn:VesselIdentification IMONumber="9332511"/&gt;       &lt;ssn:VoyageInformation PortOfCall="GRPIR" ETAToPortOfCall="2014-07-28T12:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z" PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTES1" LastPort="PTLIS" ETDFromLastPort="2014-07-27T12:00:00Z"/&gt;       &lt;ssn:PreArrival3DaysNotificationDetails CargoVolumeNature="fossil fuel" ConditionCargoBallastTanks="full" PlannedWorks="Maintenance" PlannedOperations="unloading" PossibleAnchorage="Y" ShipConfiguration="SHT"/&gt;       &lt;ssn:PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="20"/&gt;       &lt;ssn:HazmatNotificationInfoNonEUDepartures&gt;       &lt;ssn:HazmatCargoInformation HazmatOnBoardYorN="Y"&gt;         &lt;ssn:DG DGClassification="IGC"/&gt;         &lt;ssn:DG DGClassification="IBC"/&gt;       &lt;/ssn:HazmatCargoInformation&gt;       &lt;ssn:CargoManifest&gt;       &lt;ssn:ContactDetails LoCode="GRPIR" Fax="2101234567" Phone="2101234567"/&gt;       &lt;/ssn:CargoManifest&gt;       &lt;/ssn:HazmatNotificationInfoNonEUDepartures&gt;     &lt;/ssn:Notification&gt;   &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt;</pre>
SSN_Receipt	<pre>&lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1604_01" SSNRefId="1535247" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-08-28T08:43:35Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt;</pre>
S1604-02	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Updating S1604-01 deleting some of the attributes of the 72h data group (only the attribute 'PossibleAnchorage' will be quoted) and POBVoyageTowardPortofCall in the 24h data group will be updated.</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;ssn:Header From="GRPIR01" MSRefId=" MS2SSN_S1604_02"   SentAt="2014-07-21T14:11:45Z" To="SafeSeaNet" Version="3.0" /&gt;   &lt;ssn:Body&gt;     &lt;ssn:NotificationStatus UpdateStatus="U"&gt;     &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-01"/&gt;     &lt;/ssn:NotificationStatus&gt;     &lt;ssn:Notification&gt;       &lt;ssn:VesselIdentification IMONumber="9332511" /&gt;       &lt;ssn:VoyageInformation PortOfCall="GRPIR" ETAToPortOfCall="2014-07-28T12:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z" PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTES1" LastPort="PTLIS" ETDFromLastPort="2014-07-27T12:00:00Z" /&gt;       &lt;ssn:PreArrival3DaysNotificationDetails PossibleAnchorage="Y" /&gt;       &lt;ssn:PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="25" /&gt;     &lt;/ssn:Notification&gt;   &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt;</pre>



SSN_Receipt	<?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_S1604_02" SSNRefId="1533848" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-08-25T07:30:00Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt>
S1604-03	<b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1604-02 by updating 'PortOfCall' and the ETAToPortOfCall. The port of call will be a subsidiary port. <b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.
MS2SSN Notification	<?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <ssn:Header From="GRPIR01" MSRefId=" MS2SSN_S1604_03" SentAt="2014-07-21T14:11:45Z" To="SafeSeaNet" Version="3.0" /> <ssn:Body> <ssn:NotificationStatus UpdateStatus="U"> <ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-01"/> <ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-02"/> </ssn:NotificationStatus> <ssn:Notification> <ssn:VesselIdentification IMONumber="9332511" /> <ssn:VoyageInformation PortOfCall="GREDI" ETAToPortOfCall="2014-07-28T15:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z" PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTES1 " astPort="PTLIS" ETDFromLastPort="2014-07-27T12:00:00Z" /> </ssn:Notification> </ssn:Body> </ssn:MS2SSN_PortPlus_Not>
SSN_Receipt	<?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_S1604_03" SSNRefId="1535248" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-07-21T14:11:45Z " From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt>
S1604-04	<b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1604-03 by updating the 72h data group and including the Waste, Security (including VoyageInformation with additional elements associated with the Security information) and Vessel Details <b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.
MS2SSN Notification	<?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <ssn:Header From="GRPIR01" MSRefId=" MS2SSN_S1604_04" SentAt="2014-07-21T15:11:45Z" To="SafeSeaNet" Version="3.0" /> <ssn:Body> <ssn:NotificationStatus UpdateStatus="U"> <ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-01"/> <ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-02"/> <ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-03"/> </ssn:NotificationStatus> <ssn:Notification> <ssn:VesselIdentification IMONumber="9332511" /> <ssn:VoyageInformation PortOfCall="GREDI" ETAToPortOfCall="2014-07-28T15:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z" PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTES1 " LastPort="PTLIS" ETDFromLastPort="2014-07-27T12:00:00Z" PortFacility="1212" BriefCargoDescription="desc"> <ssn:PurposeOfCall CallPurposeCode="10"/> <ssn:PurposeOfCall CallPurposeCode="11"/> </ssn:VoyageInformation> <ssn:VesselDetails GrossTonnage="150000" ShipType="50"> <ssn:InmarsatCallNumber Inmarsat="999999998"/> <ssn:InmarsatCallNumber Inmarsat="999999999"/> <ssn:CertificateOfRegistry IssueDate="2014-09-04Z" CertificateNumber="1Q23H56"><ssn:PortOfRegistry LoCode="GRPIR" LocationName="PIRAEUS"/></ssn:CertificateOfRegistry> <ssn:Company CompanyName="TEST_COMP"

	<pre> IMOCCompanyNr="9332511"/&gt; &lt;/ssn:VesselDetails&gt; &lt;ssn:PreArrival3DaysNotificationDetails PossibleAnchorage="Y" PlannedOperations="loading"/&gt; &lt;ssn:WasteNotification LastPortDelivered="PTLIS" LastPortDeliveredDate="2014-07-27" WasteDeliveryStatus="All" /&gt; &lt;ssn:SecurityNotification CurrentSecurityLevel="SL2"&gt; &lt;ssn:AgentInPortAtArrival AgentName="Grigoris" Phone="2107898659" Fax="2106598365" EMail="grigoris.saxionis@intrasoft-intl.com"/&gt; &lt;/ssn:SecurityNotification&gt; &lt;/ssn:Notification&gt; &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt; </pre>
SSN_Receipt	<pre> &lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1604_04" SSNRefId="1535249" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-07-21T15:11:45Z " From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt; </pre>
S1604-05	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1604-04 by updating the Waste</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt; &lt;ssn:Header From="GRPIR01" MSRefId=" MS2SSN_S1604_05" SentAt="2014-07-21T15:30:45Z" To="SafeSeaNet" Version="3.0" /&gt; &lt;ssn:Body&gt; &lt;ssn:NotificationStatus UpdateStatus="U"&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-01"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-02"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-03"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-04"/&gt; &lt;/ssn:NotificationStatus&gt; &lt;ssn:Notification&gt; &lt;ssn:VesselIdentification IMONumber="9332511" /&gt; &lt;ssn:VoyageInformation PortOfCall="GREDI" ETAToPortOfCall="2014-07-28T15:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z" PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTES1 " LastPort="PTLIS" ETDFromLastPort="2014-07-27T12:00:00Z" PortFacility="1212" BriefCargoDescription="desc"&gt; &lt;ssn:PurposeOfCall CallPurposeCode="10"/&gt; &lt;ssn:PurposeOfCall CallPurposeCode="11"/&gt; &lt;/ssn:VoyageInformation&gt; &lt;ssn:WasteNotification LastPortDelivered="BEOST" LastPortDeliveredDate="2014-07-27" WasteDeliveryStatus="All" /&gt; &lt;/ssn:Notification&gt; &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt; </pre>
SSN_Receipt	<pre> &lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1604_05" SSNRefId="1535250" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-07-21T15:30:45Z " From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt; </pre>
S1604-06	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1604-05 by updating the Security</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt; &lt;ssn:Header From="GRPIR01" MSRefId=" MS2SSN_S1604_06" SentAt="2014-07-21T16:30:45Z" To="SafeSeaNet" Version="3.0" /&gt; &lt;ssn:Body&gt; &lt;ssn:NotificationStatus UpdateStatus="U"&gt; </pre>

	<pre> &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-01"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-02"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-03"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-04"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-05"/&gt; &lt;/ssn:NotificationStatus&gt; &lt;ssn:Notification&gt;   &lt;ssn:VesselIdentification IMONumber="9332511" /&gt;   &lt;ssn:VoyageInformation PortOfCall="GREDI"     ETAToPortOfCall="2014-07-28T15:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z"     PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTES1 "     LastPort="PTLIS"     ETDFromLastPort="2014-07-27T12:00:00Z" PortFacility="1212"     BriefCargoDescription="desc"&gt;       &lt;ssn:PurposeOfCall CallPurposeCode="10"/&gt;       &lt;ssn:PurposeOfCall CallPurposeCode="11"/&gt;     &lt;/ssn:VoyageInformation&gt;     &lt;ssn:SecurityNotification       CurrentSecurityLevel="SL3"&gt;       &lt;ssn:AgentInPortAtArrival AgentName="Grigoris" Phone="2107898659"         Fax="2106598365" EMail="grigoris.saxionis@intrasoft-intl.com"/&gt;     &lt;/ssn:SecurityNotification&gt;   &lt;/ssn:Notification&gt; &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt; </pre>
SSN Receipt	<pre> &lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1604_06" SSNRefId="1535253" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-07-21T16:30:45Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt; </pre>
S1604-07	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1604-06 by including ATA, HazmatEUDeparture and POBVoyageTowardsNextPort (included under DepartureNotificationDetails).</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;ssn:Header From="GRPIR01" MSRefId=" MS2SSN_S1604_07"     SentAt="2014-07-22T16:30:45Z" To="SafeSeaNet" Version="3.0" /&gt;   &lt;ssn:Body&gt;     &lt;ssn:NotificationStatus UpdateStatus="U"&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-01"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-02"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-03"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-04"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-05"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-06"/&gt;     &lt;/ssn:NotificationStatus&gt;     &lt;ssn:Notification&gt;       &lt;ssn:VesselIdentification IMONumber="9332511" /&gt;       &lt;ssn:VoyageInformation PortOfCall="GREDI"         ETDFromPortOfCall="2014-07-29T12:00:00Z"         PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTES1 "         ETAToNextPort="2014-07-29T22:00:00Z" LastPort="PTLIS" NextPort="BEOST"         ETDFromLastPort="2014-07-27T12:00:00Z" PortFacility="1212"         BriefCargoDescription="desc"&gt;           &lt;ssn:PurposeOfCall CallPurposeCode="10"/&gt;           &lt;ssn:PurposeOfCall CallPurposeCode="11"/&gt;         &lt;/ssn:VoyageInformation&gt;       &lt;ssn:ArrivalNotificationDetails         ATAPortOfCall="2014-07-28T17:27:27Z" /&gt;       &lt;ssn:DepartureNotificationDetails         POBVoyageTowardsNextPort="22" /&gt;       &lt;ssn:HazmatNotificationInfoEUDepartures&gt;         &lt;ssn:HazmatCargoInformation HazmatOnBoardYorN="Y"&gt;           &lt;ssn:DG DGClassification="IGC"/&gt;         &lt;/ssn:HazmatCargoInformation&gt;       &lt;/ssn:HazmatNotificationInfoEUDepartures&gt;     &lt;/ssn:Notification&gt;   &lt;/ssn:Body&gt; </pre>



	</ssn:MS2SSN_PortPlus_Not>
SSN Receipt	<?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_S1604_07" SSNRefId="1535257" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-07-22T16:30:45Z " From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt>
S1604-08	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1604-07 for including ATD and updating HazmatEUDeparture having cargo manifest details in URL (applicable only in case the ContactDetails are NOT specified).</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSN_S1604_08"     SentAt="2014-07-22T17:40:45Z" To="SafeSeaNet" Version="3.0" /&gt;   &lt;ssn:Body&gt;     &lt;ssn:NotificationStatus UpdateStatus="U"&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-01"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-02"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-03"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-04"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-05"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-06"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-07"/&gt;     &lt;/ssn:NotificationStatus&gt;     &lt;ssn:Notification&gt;       &lt;ssn:VesselIdentification IMONumber="9332511" /&gt;       &lt;ssn:VoyageInformation PortOfCall="GREDI"         PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTES1"         ETAToNextPort="2014-07-29T22:00:00Z" LastPort="PTLIS" NextPort="BEOST"         ETDFromLastPort="2014-07-27T12:00:00Z" PortFacility="1212"         BriefCargoDescription="desc"&gt;           &lt;ssn:PurposeOfCall CallPurposeCode="10"/&gt;           &lt;ssn:PurposeOfCall CallPurposeCode="11"/&gt;         &lt;/ssn:VoyageInformation&gt;       &lt;ssn:ArrivalNotificationDetails         ATAPortOfCall="2014-07-28T17:27:27Z" /&gt;       &lt;ssn:DepartureNotificationDetails         ATDPortOfCall="2014-07-29T17:27:27Z"         POBVoyageTowardsNextPort="22" /&gt;       &lt;ssn:HazmatNotificationInfoEUDepartures&gt;         &lt;ssn:HazmatCargoInformation HazmatOnBoardYorN="Y"&gt;           &lt;ssn:DG DGClassification="IGC"/&gt;         &lt;/ssn:HazmatCargoInformation&gt;         &lt;ssn:CargoManifest&gt;           &lt;ssn:UrlDetails Url="http://tempuri.org" DocType="HTML"/&gt;         &lt;/ssn:CargoManifest&gt;       &lt;/ssn:HazmatNotificationInfoEUDepartures&gt;     &lt;/ssn:Notification&gt;   &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt; </pre>
SSN Receipt	<?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_S1604_08" SSNRefId="1535259" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-07-22T17:40:45Z " From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt>

S1605-01	Message-based mechanism sending PortPlus notification - Update of S1604-08 by deleting HazmatNonEUDeparture.
S1605-02	Message-based mechanism sending PortPlus notification. - Update of S1605-01 by deleting HazmatEUDeparture.
S1605-03	Message-based mechanism sending PortPlus notification. - Update of S1605-02 by deleting Waste.
S1605-04	Message-based mechanism sending PortPlus notification. - Update of S1605-03 by deleting Security.
<b>Sample XML message</b>	
S1605-01	<b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update

	<p>of S1604-08 by deleting HazmatNonEUDeparture.</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.</p>
MS2SSN Notification	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSN_S1605-01"   SentAt="2014-07-25T14:11:45Z" To="SafeSeaNet" Version="3.0" /&gt;   &lt;ssn:Body&gt;     &lt;ssn:NotificationStatus UpdateStatus="U"&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-01"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-02"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-03"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-04"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-05"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-06"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-07"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-08"       DeleteHazmatNotificationInfoNonEUDepartures="Y" /&gt;     &lt;/ssn:NotificationStatus&gt;   &lt;/ssn:Notification&gt;   &lt;ssn:VesselIdentification IMONumber="9332511" /&gt;   &lt;ssn:VoyageInformation PortOfCall="GRPIR"   PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTES1"   ETAToNextPort="2014-07-29T22:00:00Z" LastPort="PTLIS" NextPort="BEOST"   ETDFromLastPort="2014-07-27T12:00:00Z" PortFacility="1212"   BriefCargoDescription="desc"&gt;     &lt;ssn:PurposeOfCall CallPurposeCode="10"/&gt;     &lt;ssn:PurposeOfCall CallPurposeCode="11"/&gt;   &lt;/ssn:VoyageInformation&gt;   &lt;ssn:ArrivalNotificationDetails   ATAPortOfCall="2014-07-28T17:27:27Z" /&gt;   &lt;ssn:DepartureNotificationDetails   ATDPortOfCall="2014-07-29T17:27:27Z"   POBVoyageTowardsNextPort="22" /&gt; &lt;/ssn:Notification&gt; &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt;</pre>
SSN_Receipt	<pre>&lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1605-01" SSNRefId="1534602" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-08-26T14:22:52Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt;</pre>
S1605-02	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1605-01 by deleting HazmatEUDeparture.</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Notification is valid according to specified business rules.</p>
MS2SSN Notification	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSN_S1605-02" SentAt="2014-07- 25T20:11:45Z" To="SafeSeaNet" Version="3.0"/&gt;   &lt;ssn:Body&gt;     &lt;ssn:NotificationStatus UpdateStatus="U"&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-01"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-02"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-03"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-04"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-05"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-06"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-07"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-08"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1605-01"       DeleteHazmatNotificationInfoEUDepartures="Y" /&gt;     &lt;/ssn:NotificationStatus&gt;   &lt;/ssn:Notification&gt;   &lt;ssn:VesselIdentification IMONumber="9332511"/&gt;</pre>

	<pre> &lt;ssn:VoyageInformation PortOfCall="GRPIR" ETDFromPortOfCall="2014-07-29T12:00:00Z" PositionInPortOfCall="MARINE" ShipCallId=" shipCallIdTES1" ETAToNextPort="2014-07- 29T22:00:00Z" LastPort="PTLIS" NextPort="BEOST" ETDFromLastPort="2014-07- 27T12:00:00Z" PortFacility="1212" BriefCargoDescription="desc"&gt;     &lt;ssn:PurposeOfCall CallPurposeCode="10"/&gt;     &lt;ssn:PurposeOfCall CallPurposeCode="11"/&gt; &lt;/ssn:VoyageInformation&gt;  &lt;ssn:ArrivalNotificationDetails   ATAPortOfCall="2014-07-28T17:27:27Z " /&gt; &lt;ssn:DepartureNotificationDetails   ATDPortOfCall="2014-07-29T17:27:27Z "   POBVoyageTowardsNextPort="22" /&gt; &lt;/ssn:Notification&gt; &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt; </pre>
SSN_Receipt	<pre> &lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1608-02" SSNRefId="1534631" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-08-26T14:47:18Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt; </pre>
S1605-03	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1605-02 by deleting Waste.</p> <p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Notification is valid according to specified business rules.</p>
MS2SSN Notification	<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSN_S1605-03"   SentAt="2014-07-21T14:11:45Z" To="SafeSeaNet" Version="3.0" /&gt;   &lt;ssn:Body&gt;     &lt;ssn:NotificationStatus UpdateStatus="U" &gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-01"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-02"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-03"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-04"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-05"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-06"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-07"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-08"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1605-01"/&gt;       &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1605-02"       DeleteWasteNotification="Y"/&gt;     &lt;/ssn:NotificationStatus&gt;     &lt;ssn:Notification&gt;       &lt;ssn:VesselIdentification IMONumber="9332511" /&gt;       &lt;ssn:VoyageInformation PortOfCall="GRPIR"       PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTES1"       ETAToNextPort="2014-07-29T22:00:00Z" LastPort="PTLIS" NextPort="BEOST"       ETDFromLastPort="2014-07-27T12:00:00Z" PortFacility="1212"       BriefCargoDescription="desc"&gt;         &lt;ssn:PurposeOfCall CallPurposeCode="10"/&gt;         &lt;ssn:PurposeOfCall CallPurposeCode="11"/&gt;       &lt;/ssn:VoyageInformation&gt;       &lt;ssn:ArrivalNotificationDetails         ATAPortOfCall="2014-07-28T17:27:27Z " /&gt;       &lt;ssn:DepartureNotificationDetails         ATDPortOfCall="2014-07-29T17:27:27Z "         POBVoyageTowardsNextPort="22" /&gt;     &lt;/ssn:Notification&gt;   &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt; </pre>
SSN_Receipt	<pre> &lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1605-03" SSNRefId="1534675" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-08-26T15:23:53Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt; </pre>
S1605-04	<p><b>Input:</b> The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1605-03 by deleting Security.</p>

	<p><b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Notification is valid according to specified business rules.</p>
MS2SSN Notification	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt; &lt;ssn:Header From="GRPIR01" MSRefId="MS2SSN_S1605-04" SentAt="2014-07-21T14:11:45Z" To="SafeSeaNet" Version="3.0" /&gt; &lt;ssn:Body&gt; &lt;ssn:NotificationStatus UpdateStatus="U"&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-01"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-02"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-03"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-04"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-05"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-06"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-07"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1604-08"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1605-01"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1605-02"/&gt; &lt;ssn:UpdateNotifications UpdateMSRefId="MS2SSN_S1605-03" DeleteSecurityNotification="Y"/&gt; &lt;/ssn:NotificationStatus&gt; &lt;ssn:Notification&gt; &lt;ssn:VesselIdentification IMONumber="9332511" /&gt; &lt;ssn:VoyageInformation PortOfCall="GRPIR" PositionInPortOfCall="MARINE" ShipCallId="shipCallIdTES1" ETAToNextPort="2014-07-29T22:00:00Z" LastPort="PTLIS" NextPort="BEOST" ETDFromLastPort="2014-07-27T12:00:00Z" /&gt; &lt;ssn:ArrivalNotificationDetails ATAPortOfCall="2014-07-28T17:27:27Z" /&gt; &lt;ssn:DepartureNotificationDetails ATDPortOfCall="2014-07-29T17:27:27Z" POBVoyageTowardsNextPort="22" /&gt; &lt;/ssn:Notification&gt; &lt;/ssn:Body&gt; &lt;/ssn:MS2SSN_PortPlus_Not&gt;</pre>
SSN_Receipt	<pre>&lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header MSRefId="MS2SSN_S1608-04" SSNRefId="1534885" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-08-27T10:50:53Z" From="SafeSeaNet" To="GRPIR01"/&gt;&lt;/SSN_Receipt&gt;</pre>

## 5.2. PROVISION OF SHIP (MRS) NOTIFICATION

### Use Case Description

The aim of a ship MRS notification is to provide information on: the current position of a vessel (longitude/latitude); its next port of call; its ETA; the total number of persons on board and if any dangerous goods are onboard whenever a vessel enters and leaves an area controlled by a coastal station or port authority.

The provision of Ship MRS notifications is mandatory for Member States operating a mandatory ship reporting system (MRS), adopted by the IMO according to Regulation 11 Chapter V of the SOLAS Convention.

For MRS operated by two or more Member States, Member States willing to establish an agreement (e.g. to notify to SSN a MRS notification on behalf of other MSs) should inform the SSN HLSG.

An MRS notification is based on messages transmitted via radio frequency from a vessel to a coastal station which in turn informs the central SSN system via the Web or Message-based mechanism. For the purposes of this test plan, only the Message-based mechanism will be tested.

### Users set-up

The following permission is required in order to set up users effectively:

- For users providing messages via the XML/SOAP, the permission for Ship MRS notifications that users are allowed to notify shall be based on the type of notification and quoted as "SHIP\_MRS\_NOTIFIER".

The NCA shall define the interface XML or SOAP by filling in the information shown in Figure 3 for the XML interface. In case of SOAP select Protocol Type = "SOAP":

Figure 3 – SOAP/XML interface setup

### Test Cases

As each use case is a generic activity, it can be executed in a number of ways, and these are termed use case realisations or test cases. The following test cases are associated with this use case:

Test Case Id	Description
TC-1220	Message-based mechanism sending MRS ship notification – normal flow
TC-1223	Message-based mechanism sending MRS ship notification – invalid XML message
	<b>NOTE:</b> The national systems should <b>not allow</b> sending invalid messages. <b>If an Invalid notification is sent to SSN core the test is 'Failed'.</b>

## Test Scenarios

The available test cases are further divided into separate test scenarios with different inputs in order to trigger the validation of additional business processes and extend the “normal” flow of events.

Each of the test scenarios can be tested via a valid account belonging to different types of authorities (e.g. NCA, POR, PSC or CST). The test scenarios listed below can be repeated using the accounts of different types of authorities.

Regarding the Test Cases TC-1223 which should be implemented and tested at the national SafeSeaNet system level, the Member State shall inform EMSA whether or not their system prevents the provision of these “invalid” messages to the Central SSN system.

Test Id	Description
S1220-07	Message-based mechanism sending MRS Ship Notification – normal flow
S1223-04	Message-based mechanism sending MRS Ship Notifications – invalid XML message
	<b>NOTE:</b> The national systems should <b>not allow</b> sending invalid messages. <b>If an Invalid notification is sent to SSN core the test is 'Failed'.</b>

## Scenario details

The detailed description of each scenario consists of:

- the step number;
- the action required of the NCA application;
- the expected result from the EIS, and;
- checkpoints.

When performing the test, add in the commissioning test report:

- the actual result, and;
- any comments.

When testing the normal Message-based mechanism flow, a valid XML message with the correct data must be supplied.

To test the invalid XML message flow, an XML message containing invalid data must be provided to trigger an invalid SSN\_Receipt.

For each test scenario, the ingoing/outgoing XML messages are described in detail in the XML Reference Guide document:

- Receipt acknowledgement: SSN\_Receipt

## Complementary Scenarios

Execute the complementary test scenarios as the Ship (MRS) notification contains the required details in XML.

The goal of complementary test scenarios is to confirm that an NCA application can provide notification details in XML.

The **NotificationDetails** element node is not specified (which means that notification details can be obtained from the data provider in XML), test scenario S0329-05 should be executed in order to confirm the successful transmission of notification details.

Should the NCA application not yet support the request functionality, the Web Interface may be used to request the notification details.



S1220-07	Message-based mechanism sending MRS ship notification – normal flow	
Step	Action/Input	Result/output
1	NCA App send out XML message to SSN	Message was send out
2	SSN receives XML message and logs it	timestamped
3	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
4	SSN processes the contents of the XML message	Contents are non-conflicting, request is processed
5	SSN stores XML message contents in index dbase	Notification added
6	SSN sends back XML message with status code OK	Connection terminated
7	SSN updates entry in Vessel Dbase	Vessel detail
6	SSN stores XML message contents in dbase	Notification details
7	SSN sends back XML message with status code OK	Connection terminated
8	NCA App receives XML message with status code OK	XML message is validated against XML schema / well-formed + valid
9	NCA App interprets XML message - terminates session	Session ended
10	NCA has no new assignment - ends notification activity	Connection terminated
<b>Sample XML message</b>		
S1220-07	<b>Input:</b> The data provider is sending an MS2SSN_Ship_Not for a vessel with IMONumber="9240005".  <b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Not message is received and is a valid XML message.	
MS2SSN Notification	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;MS2SSN_Ship_Not xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"&gt;   &lt;Header Version="3.0" MSRefId="SHIP-NOT-MRS-XML-35" SentAt="2009-02-09T06:38:09Z" From="NCAXYZ1" To="SafeSeaNet"/&gt;   &lt;Body&gt;     &lt;MRSNotification&gt;       &lt;MRSInformation MRSIdentification="ADRIREP" CSTIdentification="IT_TriesteMRSC"/&gt;       &lt;VesselIdentification IMONumber="9240005" MMSINumber="245270000" CallSign="PBBE" ShipName="WATERWAY"/&gt;       &lt;VoyageInformation NextPortOfCall="PTLIS" ETA="2009-02-09T07:37:00Z" TotalPersonsOnBoard="35" AnyDG="Y"&gt;         &lt;ShipPosition Longitude="-7220333" Latitude="33059166" ReportingDateAndTime="2014-09-10T12:42:24"/&gt;       &lt;/VoyageInformation&gt;     &lt;/MRSNotification&gt;   &lt;/Body&gt; &lt;/MS2SSN_Ship_Not&gt;</pre>	
SSN_Receipt	<pre>&lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header StatusMessage="The message processed successfully." StatusCode="OK" SSNRefId="4779166" MSRefId="SHIP-NOT-MRS-XML-35" Version="3.0" To="NCAXYZ1" SentAt="2009-06-23T10:51:24Z" From="SafeSeaNet"/&gt; &lt;/SSN_Receipt&gt;</pre>	

S1223-04	Message-based mechanism sending MRS ship notifications – invalid XML message (MMSI number is invalid)	
Step	Action/Input	Result/output
1	NCA App send out XML message to SSN	Message was send out
2	SSN receives XML message and logs it	timestamped
3	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
4	SSN processes the contents of the XML message	Contents are conflicting
5	SSN sends back XML message with status code Invalid Format	Connection terminated
6	NCA App interprets XML message - terminates session	Session ended
7	NCA has no new assignment - ends notification activity	Connection terminated
<b>Sample XML message</b>		
S1223-04	<b>Input:</b> The data provider is sending an MS2SSN_Ship_Not for a vessel with IMONumber="9240005" and MMSINumber="200111111".  <b>Output:</b> The data provider receives synchronously from SSN an SSN_Receipt with	

	StatusCode="InvalidFormat". The SSN_Receipt does not verify that the Notification is XML Compliant (MMSI number is invalid)
MS2SSN Notification	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;MS2SSN_Ship_Not xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" &gt;   &lt;Header Version="3.0" MSRefId="SHIP-NOT-MRS-XML-3" SentAt="2009-02- 09T06:38:09Z" From="grxyzpor01" To="SafeSeaNet"/&gt;   &lt;Body&gt;     &lt;MRSNotification&gt;       &lt;MRSInformation MRSIdentification="ADRIREP" CSTIdentification="IT_TriesteMRSC"/&gt;       &lt;VesselIdentification IMONumber="9240005" MMSINumber="200111111" CallSign="TEST" ShipName="TEST"/&gt;       &lt;VoyageInformation NextPortOfCall="PTLIS" ETA="2009-02- 09T07:37:00Z" TotalPersonsOnBoard="35" AnyDG="Y"&gt;         &lt;ShipPosition Longitude="-7220333" Latitude="33059166" ReportingDateAndTime="2014-09-10T12:42:24"/&gt;       &lt;/VoyageInformation&gt;     &lt;/MRSNotification&gt;   &lt;/Body&gt; &lt;/MS2SSN_Ship_Not&gt;</pre>
SSN_Receipt	<pre>&lt;?xml version="1.0" encoding="UTF-8" standalone="yes"?&gt;&lt;SSN_Receipt xmlns="urn:eu.emsa.ssn"&gt;&lt;Header StatusMessage="The message doesn't comply to the XML specification." StatusCode="InvalidFormat" SSNRefId="N/A" MSRefId="N/A" Version="3.0" To="N/A" TestId="N/A" SentAt="2009-09-19T10:27:42Z" From="SafeSeaNet"/&gt; &lt;/SSN_Receipt&gt;</pre>



## 5.3. RESPONSE TO SHIPCALL REQUESTS WITH PORTPLUS NOTIFICATION DETAILS – HAZMAT, SECURITY AND WASTE

### Use Case Description

This relates to the responses to SSN requests with PortPlus notification details (Hazmat, Waste and cargo residues, Security information) of a ship voyage that was previously sent to SSN. More specifically, the request for PortPlus Notification details message is used by SSN to get the Hazmat, Waste and Security details in XML for a PortPlus Notification sent previously to SSN.

As the data provider holds some of the details contained in PortPlus notifications, SSN will search in its index server to check the data provider and will send a SSN2MS\_ShipCall\_Req to the data provider that will in turn respond with a MS2SSN\_ShipCall\_Res message.

To test the scenarios defined hereunder, each test case contains the SSN2MS\_ShipCall\_Req sent by SSN Central and the MS2SSN\_ShipCall\_Res which is expected from the data provider in response. The primary scope of these tests is to verify the MS compliance to provide in XML the Hazmat, Security and Waste details to a PortPlus notification previously sent to SSN.

In order to execute the test scenarios the tester can trigger the SSN2MS\_ShipCall\_Req by initiating a request for Hazmat, Security and Waste details via the SSN Central Web interface > Find Information console. Each test scenario defines the exact Find Information console menu option to use in order to trigger the request.

### Users set-up

The permission required for a user to respond to request for details is the permission required to send the relative notification. In this case the permission of "PORTPLUS\_NOTIFIER", HAZMAT\_NOTIFIER, WASTE\_NOTIFIER and SECURITY\_NOTIFIER.

For the user requesting details via the XML/SOAP, the permission for ShipCall details request is required, which is quated as "SHIPCALL\_REQUESTOR", HAZMAT\_REQUESTOR, SECURITY\_REQUESTOR and WASTE\_REQUESTOR.

The NCA shall define the interface (XML or SOAP) by chosing the proper protocol type in the drop-down list shown in Figure 4:

Protocol	Version	Provider Uri	Requestor Uri	Certificate Name	Delete
NEW XML					

WEB Add

Figure 4 – SOAP/XML interface setup

**Test Cases** As each use case is a generic activity, it can be executed in a number of ways, which are termed use-case realisations, or test cases. The following test cases apply to this use case:

Test Case Id	Description
TC- 3601	Message-based mechanism response to ShipCall request for ExpectedCallOfSelectedShip
TC- 3611	Message-based mechanism response to ShipCall request for GetActiveHazmatForSelectedShip

**Test Scenarios**

The available test cases are divided into separate test scenarios with different inputs in order to trigger the validation of additional business processes, extending the "normal" flow of events

Each of the test scenarios can be tested using valid accounts belonging to different types of authorities (e.g. NCA, POR, PSC or CST). The test scenarios listed below can be repeated using the accounts of different types of authorities.

Test Id	Description
S3601-01	Message-based mechanism response to ShipCall request for ExpectedCallOfSelectedShip – Get Hazmat details in order to obtain <b>HazmatTowardPortOfCall</b>
S3601-02	Message-based mechanism response to ShipCall request for ExpectedCallOfSelectedShip – Get Waste details
S3601-03	Message-based mechanism response to ShipCall request for ExpectedCallOfSelectedShip – Get Security details

Test Id	Description
S3611-01	Message-based mechanism response to ShipCall request for GetActiveHazmatForSelectedShip in order to obtain <b>HazmatTowardNextPort</b>

**Scenario Details**

The detailed description of each scenario consists of:

- the step number;
- the action required of the national application;
- the expected result from the EIS, and;
- checkpoints.

When performing the test, add in the commissioning test report:

- the actual result, and;
- any comments.

When testing the normal flow, a valid XML message with correct data must be supplied.

The incoming and outgoing XML messages are described in detail in the XML Reference Guide document:

- Receipt acknowledgement: SSN\_Receipt
- Response to a Request for details: SSN2MS\_Ship\_Res

S3601-01	Message-based mechanism requesting ShipCall for ExpectedCallOfSelectedShip – Get Hazmat details in order to obtain <b>HazmatTowardPortOfCall</b> (a)	
S3601-02	Message-based mechanism requesting ShipCall for ExpectedCallOfSelectedShip – Get Waste details (b)	
S3601-03	Message-based mechanism Requesting ShipCall for ExpectedCallOfSelectedShip – Get Security details (c)	
Step	Action/Input	Result/output
1	Login.	Login Success.
2	Select the Find Information > Voyage/Ship Information > Ship information for selected period > Next port of call, including hazmat (based on ETA)	Displays the Search form.
3	Enter the vessel identification criteria - mandatory. Press the Search button. Select a vessel from the list by clicking on its IMO number hyperlink.  Adjust the time period criteria if needed.	A list of vessels that match the identification criteria is displayed.
4(a)	Select Get Hazmat = "Hazmat Details"	The system shall list the ship call based on the search criteria. Ensure the ship call displayed is the one previously notified by you.
4(b)	Select Get Security = "Security Details"	The system shall list the ship call based on the search criteria. Ensure the ship call displayed is the one previously notified by you.
4(c)	Select Get Waste = "Waste Details"	The system shall list the ship call based on the search criteria. Ensure the ship call displayed is the one previously notified by you.
5	Click on the Details icon.	A SSN2MS_ShipCall_Req will be send out.
6	SSN establishes connection with data provider NCA App	Connection established
7	SSN transmits XML message requesting notification details	XML message is validated against XML schema / well-formed + valid
8	NCA App sends back XML message with latest details	
9	SSN processes XML message with notification details (including Hazmat details) from NCA App	
10	NCA App ends activity	
<b>Sample XML messages</b>		
S3601-01	<p><b>Precondition:</b> A PortPlus notification for a vessel with IMONumber="9332511" (or any other ship; the XML messages shall report the ship for which a PortPlus notification was sent.) must have previously been sent by the MS to SSN.</p> <p><b>Input:</b> SSN2MS_ShipCall_Req from SSN requesting ShipCall for ExpectedCallOfSelectedShip – Get Hazmat details in order to obtain HazmatTowardPortOfCall</p> <p><b>Output:</b> MS2SSN_ShipCall_Res from the data provider.</p>	
SSN2MS Request	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"&gt;   &lt;Header TimeoutValue="30" SSNRefId="346350" Version="3.0" To="GRPIR01"   SentAt="2014-08-28T10:21:08Z" From="SafeSeaNet"/&gt;   &lt;Body&gt;     &lt;Source Requestor=" GRPIR01"/&gt;     &lt;RequiredResponseCriteria&gt;       &lt;ShipCallResp GetHazmat="HazmatDetails"/&gt;       &lt;SearchCriteria&gt;         &lt;ShipIdentificationCriteria IMONumber="9332511"/&gt;         &lt;AdditionalSearchCriteria ShipCallId="GRET"         GetHazmatType="HazmatTowardPortOfCall"/&gt;       &lt;/SearchCriteria&gt;     &lt;/RequiredResponseCriteria&gt;   &lt;/Body&gt; &lt;/SSN2MS_ShipCall_Req&gt;</pre>	
MS2SSN Response	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;urn:MS2SSN_ShipCall_Res xmlns:urn="urn:eu.emsa.ssn"&gt;   &lt;urn:Header Version="3.0" SentAt="2014-08-07T10:00:00" From="GRPIR01"   To="SafeSeaNet" MSRefId="AAAdTTyi" SSNRefId="346350" StatusCode="OK"/&gt;   &lt;urn:Body&gt;</pre>	

	<pre> &lt;urn:ProvidedResponseCriteria&gt;   &lt;!--Optional:--&gt;   &lt;urn:ShipCallResp GetHazard="HazardDetails"/&gt;   &lt;!--Optional:--&gt;   &lt;urn:SearchCriteria&gt;     &lt;!--Optional:--&gt;     &lt;urn:ShipIdentificationCriteria IMONumber="9332511" /&gt;   &lt;urn:AdditionalSearchCriteria ShipCallId="GRET" GetHazardType="HazardTowardPortOfCall"/&gt;   &lt;/urn:SearchCriteria&gt; &lt;/urn:ProvidedResponseCriteria&gt; &lt;!--Optional:--&gt; &lt;urn:QueryResults&gt;   &lt;urn:VesselIdentification IMONumber="9332511" MMSINumber="237777131"   CallSign="GR71313" ShipName="KAKO-SALESI" Flag="GR"/&gt;   &lt;urn:VoyageInformation ShipCallId=" GRET " LastPort="GRITA" PortOfCall="GRPIR"   PositionInPortOfCall="marine" PortFacility="1212" ETDFromLastPort="2014-07-16T12:00:00"   ETAToPortOfCall="2014-08-14T12:00:00" NextPort="GRSAL" ETAToNextPort="2014-07-   19T12:00:00" ETDFromPortOfCall="2014-07-18T12:00:00" BriefCargoDescription="desc" &gt;     &lt;!--0 to 9 repetitions:--&gt;     &lt;urn:PurposeOfCall CallPurposeCode="10"/&gt;     &lt;urn:PurposeOfCall CallPurposeCode="11"/&gt;   &lt;/urn:VoyageInformation&gt;   &lt;!--Optional:--&gt;   &lt;urn:HazardInformation&gt;     &lt;!--Optional:--&gt;     &lt;urn:HazardSummary INFShipClass="INF1"&gt;       &lt;!--0 to 99 repetitions:--&gt;       &lt;urn:DG DGClassification="IMDG"/&gt;     &lt;/urn:HazardSummary&gt;     &lt;!--Optional:--&gt;     &lt;urn:HazardDetails&gt;       &lt;urn:Source ProviderOfLastUpdate="GRPIR01"       LastUpdateReceivedAt="2014-08-06T10:00:00" /&gt;       &lt;urn:CargoInformation&gt;         &lt;!--Zero or more repetitions:--&gt;         &lt;urn:Consignment TransportDocumentID="transportDocId"         PortOfLoading="GRPIR" PortOfDischarge="GRITA"&gt;           &lt;!--1 to 99 repetitions:--&gt;           &lt;urn:DPGItem DGClassification="IMDG" TextualReference="textref"           IMOHazardClass="1.1" UNNumber="5555" PackingGroup="II" FlashPoint="30" PackageType="1B"           TotalNumberOfPackages="40" AdditionalInformation="additional info"&gt;             &lt;!--0 to 2 repetitions:--&gt;             &lt;urn:EmS EmSNumber="S-A" /&gt;             &lt;urn:EmS EmSNumber="F-A"/&gt;             &lt;!--0 to 5 repetitions:--&gt;             &lt;urn:SubsidiaryRisks SubsidiaryRisk="subsidiaryRisk1"/&gt;             &lt;urn:SubsidiaryRisks             SubsidiaryRisk="subsidiaryRisk2"/&gt;             &lt;!--Optional:--&gt;             &lt;urn:TotalQuantityGross UnitOfMeasurement="KGM" Quantity="396.24"/&gt;             &lt;!--Optional:--&gt;             &lt;urn:TotalQuantityNet UnitOfMeasurement="KGM " Quantity="396.24"/&gt;             &lt;!--1 or more repetitions:--&gt;             &lt;urn:TransportEquipmentUnit LocationOnBoard="WED" NoOfPackages="10"             TransUnitId="transUnitId1"&gt;               &lt;!--Optional:--&gt;               &lt;urn:QuantityGross UnitOfMeasurement="KGM" Quantity="123.12"/&gt;               &lt;!--Optional:--&gt;               &lt;urn:QuantityNet UnitOfMeasurement="KGM " Quantity="123.12"/&gt;             &lt;/urn:TransportEquipmentUnit&gt;             &lt;urn:TransportEquipmentUnit LocationOnBoard="LOE"             NoOfPackages="20" TransUnitId="transUnitId2"&gt;               &lt;!--Optional:--&gt;               &lt;urn:QuantityGross UnitOfMeasurement="KGM" Quantity="150"/&gt;               &lt;!--Optional:--&gt;               &lt;urn:QuantityNet UnitOfMeasurement="KGM " Quantity="150"/&gt;             &lt;/urn:TransportEquipmentUnit&gt;             &lt;!--Zero or more repetitions:--&gt;             &lt;urn:TransportEquipmentUnit LocationOnBoard="LOE3" NoOfPackages="10"             TransUnitId="transUnitId3"&gt;               &lt;!--Optional:--&gt;               &lt;urn:QuantityGross UnitOfMeasurement="KGM" Quantity="123.12"/&gt; </pre>
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	<pre> &lt;!--Optional:--&gt; &lt;urn:QuantityNet UnitOfMeasurement=" KGM " Quantity="123.12"/&gt; &lt;/urn:TransportEquipmentUnit&gt; &lt;/urn:DPGItem&gt; &lt;/urn:Consignment&gt; &lt;/urn:CargoInformation&gt; &lt;/urn:HazmatDetails&gt; &lt;/urn:HazmatInformation&gt; &lt;/urn:QueryResults&gt; &lt;/urn:Body&gt; &lt;/urn:MS2SSN_ShipCall_Res&gt; </pre>
<b>Sample XML messages</b>	
<b>S3601-02</b>	<p><b>Input:</b> SSN2MS_ShipCall_Req from SSN requesting ShipCall for ExpectedCallOfSelectedShip – Get Waste details</p> <p><b>Output:</b> MS2SSN_ShipCall_Res from the data provider.</p>
SSN2MS Request	<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"&gt;   &lt;Header TimeoutValue="30" SSNRefId="346351" Version="3.0" To="GRPIR01"   SentAt="2014-08-28T10:21:08Z" From="SafeSeaNet"/&gt;   &lt; Body&gt;     &lt; Source Requestor="GRPIR01"/&gt;     &lt; RequiredResponseCriteria&gt;       &lt; ShipCallResp GetWaste="WasteDetails"/&gt;       &lt; SearchCriteria&gt;         &lt; ShipIdentificationCriteria IMONumber="9332511" /&gt;         &lt; AdditionalSearchCriteria ShipCallId="GRET"/&gt;       &lt;/ SearchCriteria&gt;     &lt;/ RequiredResponseCriteria&gt;   &lt;/ Body&gt; &lt;/ SSN2MS_ShipCall_Req&gt; </pre>
MS2SSN Response	<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt;&lt;urn:MS2SSN_ShipCall_Res xmlns:urn="urn:eu.emsa.ssn"&gt;   &lt;urn:Header Version="3.0" SentAt="2014-08-05T10:00:00" From="GRPIR01"   To="SafeSeaNet" MSRefId="Aklsgjkl" SSNRefId="346351" StatusCode="OK"/&gt;   &lt;urn:Body&gt;     &lt;urn:ProvidedResponseCriteria&gt;       &lt;!--Optional:--&gt;       &lt;urn:ShipCallResp GetWaste="WasteDetails"/&gt;       &lt;!--Optional:--&gt;       &lt;urn:SearchCriteria&gt;         &lt;!--Optional:--&gt;         &lt;urn:ShipIdentificationCriteria IMONumber="9332511" /&gt;       &lt;urn:AdditionalSearchCriteria ShipCallId="GRET"/&gt;     &lt;/urn:SearchCriteria&gt;   &lt;/urn:ProvidedResponseCriteria&gt;   &lt;!--Optional:--&gt;   &lt;urn:QueryResults&gt;     &lt;urn:VesselIdentification IMONumber="9332511" MMSINumber="237777131"     CallSign="GR71313" ShipName="KAKO-SALESI" Flag="GR"/&gt;     &lt;urn:VoyageInformation ShipCallId="GRET " LastPort="GRITA" PortOfCall="GRPIR"     PositionInPortOfCall="marine" PortFacility="1212" ETDFromLastPort="2014-07-16T12:00:00"     ETAToPortOfCall="2014-08-14T12:00:00" NextPort="GRSAL" ETAToNextPort="2014-07-     19T12:00:00" ETDFromPortOfCall="2014-07-18T12:00:00" BriefCargoDescription="desc" &gt;       &lt;!--0 to 9 repetitions:--&gt;       &lt;urn:PurposeOfCall CallPurposeCode="10"/&gt;       &lt;urn:PurposeOfCall CallPurposeCode="11"/&gt;     &lt;/urn:VoyageInformation&gt;     &lt;!--Optional:--&gt;     &lt;urn:WasteInformation&gt;       &lt;!--Optional:--&gt;       &lt;urn:WasteSummary LastPortDelivered="GRITA" LastPortDeliveredDate="2014-07-       16T12:00:00" WasteDeliveryStatus="All"/&gt;       &lt;!--Optional:--&gt;       &lt;urn:WasteDetails&gt;         &lt;urn:Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-08-         05T10:00:00" /&gt;         &lt;!--Zero or more repetitions:--&gt;         &lt;urn:WasteItem PortDeliveryRemainingWaste="GRPIR"&gt;           &lt;urn:WasteType&gt;             &lt;!--Optional:--&gt; </pre>

	<pre> &lt;urn:WasteCode&gt;1100&lt;/urn:WasteCode&gt; &lt;/urn:WasteType&gt; &lt;urn:ToBeDelivered UnitOfMeasurement="M3" Quantity="123.12"/&gt; &lt;!--Optional:--&gt; &lt;urn:MaxStorage UnitOfMeasurement="M3" Quantity="1200"/&gt; &lt;!--Optional:--&gt; &lt;urn:RetainedOnBoard UnitOfMeasurement="M3" Quantity="50"/&gt; &lt;!--Optional:--&gt; &lt;urn:EstimateGenerated UnitOfMeasurement="M3" Quantity="150"/&gt; &lt;/urn:WasteItem&gt; &lt;/urn:WasteDetails&gt; &lt;/urn:WasteInformation&gt; &lt;/urn:QueryResults&gt; &lt;/urn:Body&gt; &lt;/urn:MS2SSN_ShipCall_Res&gt; </pre>
<b>Sample XML messages</b>	
<b>S3601-03</b>	<p><b>Input:</b> SSN2MS_ShipCall_Req from SSN requesting ShipCall for ExpectedCallOfSelectedShip – Get Security details.</p> <p><b>Output:</b> MS2SSN_ShipCall_Res from the data provider.</p>
SSN2MS Request	<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"&gt;   &lt;Header TimeoutValue="30" SSNRefId="346352" Version="3.0" To="GRPIR01"   SentAt="2014-08-28T10:21:08Z" From="SafeSeaNet"/&gt;   &lt; Body&gt;     &lt; Source Requestor="GRPIR01"/&gt;     &lt; RequiredResponseCriteria&gt;       &lt; ShipCallResp GetSecurity="SecurityDetails"/&gt;       &lt; SearchCriteria&gt;         &lt; ShipIdentificationCriteria IMONumber="9332511" /&gt;         &lt; AdditionalSearchCriteria ShipCallId="GRET"/&gt;       &lt;/ SearchCriteria&gt;     &lt;/ RequiredResponseCriteria&gt;   &lt;/ Body&gt; &lt;/ SSN2MS_ShipCall_Req&gt; </pre>
MS2SSN Response	<pre> &lt;urn:MS2SSN_ShipCall_Res xmlns:urn="urn:eu.emsa.ssn"&gt;   &lt;urn:Header Version="3.0" SentAt="2014-08-06T10:00:00" From="GRPIR01"   To="SafeSeaNet" MSRefId="juy09875r" SSNRefId="346352" StatusCode="OK"/&gt;   &lt;urn:Body&gt;     &lt;urn:ProvidedResponseCriteria&gt;       &lt;!--Optional:--&gt;       &lt;urn:ShipCallResp GetSecurity="SecurityDetails"/&gt;       &lt;!--Optional:--&gt;       &lt;urn:SearchCriteria&gt;         &lt;!--Optional:--&gt;         &lt;urn:ShipIdentificationCriteria IMONumber="9332511" /&gt;       &lt;/urn:SearchCriteria&gt;     &lt;/urn:ProvidedResponseCriteria&gt;     &lt;!--Optional:--&gt;     &lt;urn:QueryResults&gt;       &lt;urn:VesselIdentification IMONumber="9332511" MMSINumber="237777131"       CallSign="GR71313" ShipName="KAKO-SALESI" Flag="GR"/&gt;       &lt;urn:VoyageInformation ShipCallId="sc16062014ts2" LastPort="GRITA"       PortOfCall="GRPIR" PositionInPortOfCall="marine" PortFacility="1212" ETDFromLastPort="2014-       07-16T12:00:00" ETAToPortOfCall="2014-08-14T12:00:00" NextPort="GRSAL"       ETAToNextPort="2014-07-19T12:00:00" ETDFromPortOfCall="2014-07-18T12:00:00"       BriefCargoDescription="desc" &gt;         &lt;!--0 to 9 repetitions:--&gt;         &lt;urn:PurposeOfCall CallPurposeCode="10"/&gt;         &lt;urn:PurposeOfCall CallPurposeCode="11"/&gt;       &lt;/urn:VoyageInformation&gt;       &lt;!--Optional:--&gt;       &lt;urn:SecurityInformation&gt;         &lt;!--Optional:--&gt;         &lt;urn:SecuritySummary CurrentSecurityLevel="SL1"&gt;           &lt;urn:AgentInPortAtArrival AgentName="TestName" Phone="2100000000"           Fax="2100000001" EMail="test@test.com"/&gt;         &lt;/urn:SecuritySummary&gt;         &lt;!--Optional:--&gt;         &lt;urn:SecurityDetails ValidISSC="YApprovedSecurityPlan="Y"         SecurityRelatedMatterToReport="Security related matters"&gt; </pre>

	<pre> &lt;urn:Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-08-06T10:00:00"/&gt; &lt;urn:CSO LastName="SafeSeaNet" Phone="+351211209415" Fax="+351211209415" EMail="aggelos.argyropoulos@intrasoft-intl.com"/&gt; &lt;!--Optional:--&gt; &lt;urn:ISSC ISSCType="Full" IssuerType="GVT" Issuer="issuer" ExpiryDate="2014-09-06"/&gt;  &lt;!--Zero or more repetitions:--&gt; &lt;urn:PreviousCallAtPortFacility Port="GRPIR" DateOfArrival="2014-08-06" DateOfDeparture="2014-08-07" PortFacility="1544" SecurityLevel="SL2" SpecialOrAdditionalSecurityMeasures="Special security measures"/&gt; &lt;!--Zero or more repetitions:--&gt; &lt;urn:ShipToShipActivity DateFrom="2014-08-06" DateTo="2014-08-07" Activity="14" SecurityMeasures="Security measures"&gt;   &lt;urn:Location Locode="GRPIR" /&gt; &lt;/urn:ShipToShipActivity&gt; &lt;/urn:SecurityDetails&gt; &lt;/urn:SecurityInformation&gt; &lt;/urn:QueryResults&gt; &lt;/urn:Body&gt; &lt;/urn:MS2SSN_ShipCall_Res&gt; </pre>
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S3611-01	Message-based mechanism response to ShipCall request for GetActiveHazmatForSelectedShip – Get Hazmat details in order to obtain <b>HazmatTowardNextPort</b>	
Step	Action/Input	Result/output
1	Login.	Login Success.
2	Select the Find Information > Voyage/Ship Information > Current Ship Information > Active Hazmat	Displays the Search form.
3	Enter the vessel identification criteria - mandatory. Press the Search button. Select a vessel from the list by clicking on its IMO number hyperlink.  Adjust the time period criteria if needed.	A list of vessels that match the identification criteria is displayed.
4	Select Get Hazmat = "Hazmat Details"	The system shall list the ship call based on the search criteria. Ensure the ship call displayed is the one previously notified by you.
5	Click on the Details icon.	A SSN2MS_ShipCall_Req will be send out
6	SSN establishes connection with data provider NCA App	Connection established
7	SSN transmits XML message requesting notification details	XML message is validated against XML schema / well-formed + valid
8	NCA App sends back XML message with latest details	
9	SSN processes XML message with notification details (including Hazmat details) from NCA App	
10	NCA App ends activity	
<b>Sample XML messages</b>		
S3611-01	<p><b>Precondition:</b> A ShipCall for a vessel exists with Hazmat EU departure and having ATD_FROM_PORTOFCALL.</p> <p><b>Input:</b> SSN2MS_ShipCall_Req from SSN for GetActiveHazmatForSelectedShip – Get Hazmat details.</p> <p><b>Output:</b> MS2SSN_ShipCall_Res from the data provider.</p>	
SSN2MS Request	<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"&gt;   &lt;Header TimeoutValue="30" SSNRefId="346357" Version="3.0" To="GRPIR01" SentAt="2014-08-28T10:21:08Z" From="SafeSeaNet"/&gt;   &lt;Body&gt;     &lt;Source Requestor="GRPIR01"/&gt;     &lt;RequiredResponseCriteria&gt;       &lt;ShipCallResp GetHazmat="HazmatDetails" /&gt;       &lt;SearchCriteria&gt;         &lt;ShipIdentificationCriteria IMONumber="9332511" /&gt;       &lt;AdditionalSearchCriteria ShipCallId="sc16062014ts2" </pre>	



	<pre> GetHazmatType="HazmatTowardNextPort"/&gt; /&gt;         &lt;/SearchCriteria&gt;     &lt;/RequiredResponseCriteria&gt; &lt;/Body&gt; &lt;/SSN2MS_ShipCall_Req&gt; </pre>
MS2SSN Response	<pre> &lt;?xml version="1.0" encoding="UTF-8"?&gt;&lt;MS2SSN_ShipCall_Res xmlns:urn="eu.emsa.ssn"&gt;   &lt;Header Version="3.0" SentAt="2014-08-07T10:00:00" From="GRPIR01"   To="SafeSeaNet" MSRefId="asdfwi" SSNRefId="1530740" StatusCode="OK"/&gt;   &lt;Body&gt;     &lt;ProvidedResponseCriteria&gt;       &lt;!--Optional:--&gt;       &lt;ShipCallResp GetHazmat="HazmatDetails"/&gt;       &lt;!--Optional:--&gt;       &lt;SearchCriteria&gt;         &lt;!--Optional:--&gt;         &lt;ShipIdentificationCriteria IMONumber="9332511" MMSINumber="237777131"         CallSign="GR71313" ShipName="KAKO-SALESI"/&gt;       &lt;/SearchCriteria&gt;     &lt;/ProvidedResponseCriteria&gt;     &lt;!--Optional:--&gt;     &lt;QueryResults&gt;       &lt;VesselIdentification IMONumber="9332511" MMSINumber="237777131"       CallSign="GR71313" ShipName="KAKO-SALESI" Flag="GR"/&gt;       &lt;VoyageInformation ShipCallId="sc16062014ts2" LastPort="GRITA" PortOfCall="GRPIR"       PositionInPortOfCall="marine" PortFacility="test" ETDFromLastPort="2014-07-16T12:00:00"       ETAToPortOfCall="2014-08-14T12:00:00" NextPort="GRSAL" ETAToNextPort="2014-07-       19T12:00:00" ETDFromPortOfCall="2014-07-18T12:00:00" BriefCargoDescription="desc" &gt;         &lt;!--0 to 9 repetitions:--&gt;         &lt;PurposeOfCall CallPurposeCode="10"/&gt;         &lt;PurposeOfCall CallPurposeCode="10"/&gt;       &lt;/VoyageInformation&gt;       &lt;!--Optional:--&gt;       &lt;HazmatInformation&gt;         &lt;!--Optional:--&gt;         &lt;HazmatSummary INFShipClass="INF2"&gt;           &lt;!--0 to 99 repetitions:--&gt;           &lt;DG DGClassification="IMDG"/&gt;         &lt;/HazmatSummary&gt;         &lt;!--Optional:--&gt;         &lt;HazmatDetails&gt;           &lt;Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-08-           06T10:00:00" ShipCallId="sc16062014ts2"/&gt;           &lt;CargoInformation&gt;             &lt;!--Zero or more repetitions:--&gt;             &lt;Consignment TransportDocumentID="transportDocId" PortOfLoading="GRPIR"             PortOfDischarge="GRITA"&gt;               &lt;!--1 to 99 repetitions:--&gt;               &lt;DPGItem DGClassification="IMDG" TextualReference="textref"               ImoHazardClass="hazard" UNNumber="unn" PackingGroup="II" FlashPoint="30"               MarpolCode="OS" PackageType="1B" TotalNumberOfPackages="10"               AdditionalInformation="additional info"&gt;                 &lt;!--0 to 2 repetitions:--&gt;                 &lt;EmS EmsNumber="EmSNumber1"/&gt;                 &lt;EmS EmsNumber="EmSNumber2"/&gt;                 &lt;!--0 to 5 repetitions:--&gt;                 &lt;SubsidiaryRisk SubsidiaryRisk="subsidiaryRisk1"/&gt;                 &lt;SubsidiaryRisk SubsidiaryRisk="subsidiaryRisk2"/&gt;                 &lt;!--Optional:--&gt;                 &lt;TotalQuantityGross UnitOfMeasurement="KGM" Quantity="123.12"/&gt;                 &lt;!--Optional:--&gt;                 &lt;TotalQuantityNet UnitOfMeasurement="TNE" Quantity="123.12"/&gt;                 &lt;!--1 or more repetitions:--&gt;                 &lt;TransportEquipmentUnit LocationOnBoard="WED" NoOfPackages="10"                 TransUnitId="transUnitId"&gt;                   &lt;!--Optional:--&gt;                   &lt;GrossQuantity UnitOfMeasurement="KGM" Quantity="123.12"/&gt;                   &lt;!--Optional:--&gt;                   &lt;NetQuantity UnitOfMeasurement="TNE" Quantity="123.12"/&gt;                 &lt;/TransportEquipmentUnit&gt;                 &lt;TransportEquipmentUnit LocationOnBoard="LOE"                 NoOfPackages="20" TransUnitId="transUnitId2"&gt;                   &lt;!--Optional:--&gt; </pre>



	<pre> &lt;GrossQuantity UnitOfMeasurement="KGM" Quantity="150"/&gt; &lt;!--Optional:--&gt; &lt;NetQuantity UnitOfMeasurement="TNE" Quantity="150"/&gt; &lt;/TransportEquipmentUnit&gt; &lt;!--Zero or more repetitions:--&gt; &lt;NonTransportEquipmentUnit LocationOnBoard="LOE" NoOfPackages="10"&gt;   &lt;!--Optional:--&gt;   &lt;QuantityGross UnitOfMeasurement="KGM" Quantity="123.12"/&gt;   &lt;!--Optional:--&gt;   &lt;QuantityNet UnitOfMeasurement="TNE" Quantity="123.12"/&gt; &lt;/NonTransportEquipmentUnit&gt; &lt;/DPGItem&gt; &lt;/Consignment&gt; &lt;/CargoInformation&gt; &lt;/HazmatDetails&gt; &lt;/HazmatInformation&gt; &lt;/QueryResults&gt; &lt;/Body&gt; &lt;/MS2SSN_ShipCall_Res&gt; </pre>
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## 5.4. RESPONSE TO SHIP REQUESTS WITH SHIP NOTIFICATION DETAILS (MRS)

### Use Case Description

This relates to the responses to SSN requests with Ship notification details (MRS). As the details in ship notifications (MRS) are held by the data providers, SSN searches in its index server to determine the data provider and it will send a SSN2MS\_Ship\_Req to the data provider that will in turn respond with a MS2SSN\_Ship\_Res message.

To test the scenarios defined hereunder for each test case contain the SSN2MS\_Ship\_Req send by SSN Central and the MS2SSN\_Ship\_Res which is expected from the data provider in response. The primary scope of these tests is to verify the MS compliance to provide in XML the details to a Ship notification previously sent to SSN. In order to execute the test scenarios the tester can trigger the SSN2MS\_Ship\_Req by initiating a request for Ship details via the SSN Central Web interface > Find Information console. Each test scenario defines the exact Find Information console menu option to use in order to trigger the request.

### Users set-up

The permission required for a user to respond to request for details is the permission required to send the relative notification. In this case the permission of "SHIP\_MRS\_NOTIFIER" for Ship (MRS) notifications.

For the user requesting details via the XML/SOAP, the permission for Ship that users are allowed to request shall be based on the type of notification and quated as "SHIP\_MRS\_REQUESTOR" for Ship (MRS) details.

The NCA shall define the interface (XML or SOAP) by filling in the information as shown in Figure 5 for the XML interface. In case of SOAP select Protocol Type = "SOAP":

Figure 5 – SOAP/XML interface setup

### Test Cases

As each use case is a generic activity, it can be executed in a number of ways, which are termed use-case realisations, or test cases. The following test cases apply to this use case:

Test Case Id	Description
TC-0329	Message-based mechanism requesting latest ship notification details – XML message

## Test Scenarios

The available test cases are divided into separate test scenarios with different inputs in order to trigger the validation of additional business processes, extending the “normal” flow of events

Each of the test scenarios can be tested using valid accounts belonging to different types of authorities (e.g. NCA, POR, PSC or CST). The test scenarios listed below can be repeated using the accounts of different types of authorities.

Test Id	Description
S0329-05	Message-based mechanism – latest MRS ship notification details – XML message

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## Scenario details

The detailed description of each scenario consists of:

- the step number;
- the action required of the national application;
- the expected result from the EIS, and;
- checkpoints.

When performing the test, add in the commissioning test report:

- the actual result, and;
- any comments.

When testing the normal flow, a valid XML message with correct data must be supplied.

For each test scenario, the incoming and outgoing XML messages are described in detail in the XML Reference Guide document:

- Receipt acknowledgement: SSN\_Receipt
- Response to a Request for details: SSN2MS\_Ship\_Res

S0329-05	Message-based mechanism – latest MRS ship notification details – XML message	
Step	Action / Input	Result / output
1	Login.	Login Success.
2	Select the Find Information > AIS/MRS Information > Latest AIS/MRS for a selected ship	Displays the Search form.
3	Enter the vessel identification criteria - mandatory.  Press the Search button.	A list of vessels that match the identification criteria is displayed.
4	Select a vessel from the list by clicking on its IMO number hyperlink.	The system shall list the ship notifications based on the search criteria. Ensure the ship displayed is the one previously notified by you.
5	Select Type of Request = "MRS" Press the Search button.	The Ship (MRS) notification that satisfies the criteria is displayed
6	Click on the Get Details icon.	A SSN2MS_Ship_Req will be send out.
7	SSN processes data provider accessibility	
8	Data provider offers Message-based mechanism	
9	SSN establishes connection with data provider NCA App	Connection established
10	SSN transmits XML message requesting notification details	XML message is validated against XML schema / well-formed + valid
11	NCA App sends back XML message with latest MRS details enclosed	
12	NCA App sends back XML message with MRS details enclosed and Status Code = OK	XML message is validated against XML schema / well-formed + valid
13	NCA App ends activity	
<b>Sample XML messages</b>		
<b>S0329-05</b>	<b>Precondition:</b> A MS2SSN_Ship_Not for a vessel was previously sent.  <b>Input:</b> SSN2MS_Ship_Req from SSN.  <b>Output:</b> MS2SSN_Ship_Res from the MS.	
SSN2MS Request	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt;&lt;SSN2MS_Ship_Req xmlns="urn:eu.emsa.ssn"&gt;&lt;Header Version="3.0" SentAt="2014-10-22T03:34:53" From="SafeSeaNet" To="ITROM01" SSNRefId="1574115" TimeoutValue="60"/&gt;&lt;Body&gt;&lt;SearchCriteria IMONumber="9134256" ShipNotType="MRS" MRSIdentification="ADRIREP"/&gt; &lt;/Body&gt; &lt;/SSN2MS_Ship_Req&gt;</pre>	
MS2SSN Response	<pre>&lt;?xml version="1.0" encoding="UTF-8"?&gt; &lt;MS2SSN_Ship_Res xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:eu.emsa.ssn .././../main/xsd/ssn.xsd"&gt; &lt;Header Version="3.0" MSRefId="ms2ssn_ship_res_20141022T033502" SSNRefId="1574115" SentAt="2014-10-22T03:35:02" TestId="42913501" From="ITROM01" To="SafeSeaNet" StatusCode="OK" /&gt; &lt;Body&gt; &lt;SearchCriteria IMONumber="9134256" ShipNotType="MRS" MRSIdentification="ADRIREPTestGr"/&gt; &lt;VesselIdentification IMONumber="9134256" ShipName="AMAZON EXPLORER" CallSign="SVFF" /&gt; &lt;MRSNotificationDetails&gt; &lt;MRSInformation MRSIdentification="ADRIREP" CSTIdentification="T_VeniceMRSC"/&gt; &lt;MRSVoyageInformation NextPortOfCall="ZZUKN" ETA="2013- 04-15T06:27:24" TotalPersonsOnBoard="25" Latitude="-108000000" Longitude="108600000" AnyDG="Y" ReportingDateAndTime="2013-04-12T06:27:24" /&gt; &lt;MRSDynamicInformation COG="3600" SOG="1023" NavigationalStatus="8"&gt; &lt;Bunker Chars="BUNKER" Quantity="10" /&gt; &lt;/MRSDynamicInformation&gt; &lt;MRSCargoInformation CargoType="CARGOTYPE"&gt; &lt;DGDDetails IMOCClass="1.1" Quantity="1" /&gt; &lt;DGDDetails IMOCClass="1.2" Quantity="2" /&gt; &lt;DGDDetails IMOCClass="1.3" Quantity="3" /&gt; &lt;DGDDetails IMOCClass="1.4" Quantity="4" /&gt; &lt;DGDDetails IMOCClass="1.5" Quantity="5" /&gt; &lt;/DG&gt; &lt;ContactDetails LastName="Doe" FirstName="John" Phone="+351120000"/&gt; &lt;/MRSCargoInformation&gt; &lt;/MRSNotificationDetails&gt; &lt;/Body&gt;&lt;/MS2SSN_Ship_Res&gt;</pre>	