

Member State Commissioning Plan

Part A - Mandatory Test Cases

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DOCUMENT HISTORY

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1.10	09 Oct 2008	Implemented comments by EMSA. Submitted for review and acceptance.
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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
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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.
2.0	23 Feb 2018	Changes due to SSN V4.00 and new approach for commissioning tests process. Applicable to <u>SSN version 4.0 release</u> : - Changes to the Waste information in the PortPlus notification message (revision of Dir. 2000/59/EC Annex I) - New Bunkers information group in the PortPlus notification and ShipCall Request/Response message (HLSG 14) - Amendments on the reporting of Exemption notifications (HLSG 15) and new Exemption Request/Response message. - Technical amendments to the Hazmat information proposed by the Hazmat Working Group (HLSG 13)
2.1	14 May 2018	Corrections in the numbering of tests for sending PortPlus notifications and clarification added in the section describing MS2SSN_ShipCall_Res tests.
3.0	01 October 2020	Changes due to SSN V5.00. Applicable to SSN version 5.0 release: - Exchange of information on persons sailing on board passenger ships for search and rescue purposes as required by Directive 98/41/EC as amended by Directive (EU) 2017/2109; - Exchange of information from the revised advance waste notification and the waste delivery receipt as required by Directive (EU) 2019/883; - Amendments on the reporting of Exemption notifications – new types of exemptions; - Proposals from the IR Working Group for the improvement of Incident Reporting.
3.1	19 August 2021	Example XML messages included. Minor corrections

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1.INTRODUCTION

Purpose This document presents the test cases and test scenarios to be used by Member States to support the Commissioning Tests (CT) process.

1.1. PRELIMINARY REMARKS

Scope The CT 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 CT 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 CT 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.

Intended audience The intended audience for this document should have knowledge of the SSN specifications and Internet. 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 officers.
-

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.

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 1.2, 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:

Part A – Mandatory test cases	
Provision of PortPlus notifications with the Advanced Waste notification and Waste Delivery receipt details	MS2SSN_PortPlus_Not
Response to ShipCall requests with PortPlus notification details – Hazmat, Bunkers ¹ , Security and Crew and Passenger list.	SSN2MS_ShipCall_Req MS2SSN_ShipCall_Res
Provision of Ship MRS notifications ²	MS2SSN_Ship_Not
Response to Ship requests with MRS notification details ²	SSN2MS_Ship_Req MS2SSN_Ship_Res
Part B – Ancillary test cases	
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
Provision of Exemptions notifications	MS2SSN_Exemption_Not
Requests of Exemptions notifications	MS2SSN_Exemption_Req SSN2MS_Exemption_Res

Notes:

(1) Mandatory for Member States that require that information on bunkers on board is reported in their National Single Window using FAL 3 - Ship's Store Declaration.

(2) 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

Id	Reference	Title	Version
A1	SSN-XMLMessagingRefGuide	SSN XML Reference Guide	5.01
A2	IFCD	Interface and Functionalities Control Document	1.2
A3	SSN-MSCTP-Report	Member State Commissioning Test Report template	3.1

1.3. TERMINOLOGY

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

2. REQUIREMENTS FOR TEST

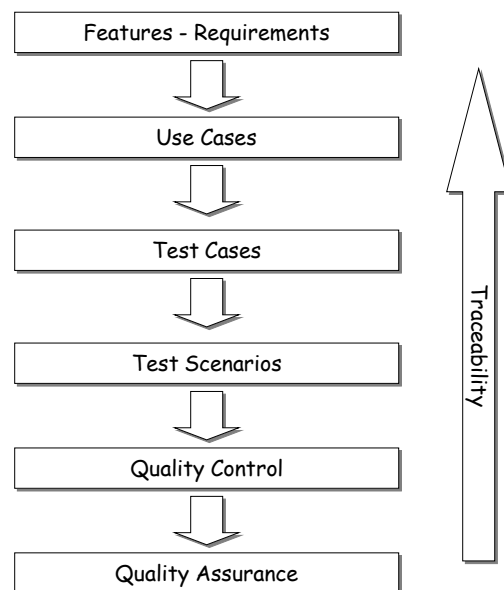
Introduction This chapter describes the system elements identified as targets for testing, classified according to the different types of test.

These lists represent *what* will be tested.

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.

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, Bunkers, Security and Crew and Passenger list.	FT
Get Ship Notification Details	Response to Ship requests with Ship notification details (MRS)	FT

3. TEST STRATEGY

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.

The CT process will be carried out in two phases. Both phases will be executed using the Test environment of the MS that will be connected to EMSA: Training environment (First Phase) and Pre-Production environment (Second Phase).

First Phase

This phase will ensure that the technical interface between the central SSN and the national SSN applications meets the technical standards set. The CT entails the successful completion of the commissioning test plan, as set out in the Commissioning Plan documents (Part A and Part B for ancillary tests).

EMSA will request MS to deliver the report pertaining to specific test cases associated with relevant functionalities (SSN-MSCTP-Report v3.0). The MS report will be assessed by EMSA.

The results of the First Phase would be provided in **ten working days**.

If some tests need to be repeated, EMSA will indicate in the results the tests that need to be repeated and the explanation why they were not accepted.

When this phase is successfully completed, EMSA will issue a "technical interface compliance" document for the MS.

Second Phase

Option 1:

After the successful completion of the First Phase, EMSA will perform the validation of the national SSN system.

The validation is performed by using actual production data that is ingested by the MS in their Test environment connected to EMSA Pre-Production environment. This set of production data will be converted to be compliant with the version under validation, e.g. production data in v4 will have to be transformed in v5 format in order to be used in this second phase.

None of the MS Authority nor agent would be involved since that conversion of the current V4 operational data into V5 format would be done at the National Central system level connecting with EMSA SSN Central system.

The use of the EMSA Pre-Production environment fulfils SSN security and data protection requirements since this environment is not available to external users. In any case, MSs can also remove sensitive data before the transformation process as an additional measure for data protection.

During this phase the MS will not stop sending data to the SSN Production environment. The behaviour and results will be analysed in a **one-week period**.

Option 2:

Alternatively, for those MS that are not able to execute Phase 2 of the Commissioning tests as described in the Option 1 above, the data quality checks of the new SSN version 5 will be carried out during the first week in Production. If the number of rejected messages during this first week is high or there are other serious problems, the MS will be requested to roll-back to the previous version 4 until the detected issues are corrected.

Upon the successful completion of the second phase EMSA will confirm that the national SSN system is ready to operate in the Production environment. The validation report will be included as part of the Welcom on Board (WoB) document.

3.1. TEST TYPES

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

Test type	Description
Function Testing	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).
Business Cycle Testing	The fact that SSN deals with messaging transactions (asynchronous behaviour) between applications in different European countries, is reason to include business cycle tests.
Data & Database Integrity Testing	<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>
Regression Testing	<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>

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

Function Testing

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

Test Objective:	Ensure functionality.
Technique:	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.
Completion Criteria:	All planned tests have been executed. All identified defects have been addressed.
Special Considerations:	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.

Test Objective:	Ensure correct and timely flow of activities.
Technique:	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.
Completion Criteria:	All planned tests have been executed. All identified defects have been addressed.
Special Considerations:	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.

Test Objective:	Ensure database access methods and XML processes function properly and without data corruption.
Technique:	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.
Completion Criteria:	All database access methods and XML processes function as designed, and without any data corruption.
Special Considerations:	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.

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

3.2. ENVIRONMENT NEEDS

Environment Needs The test environment consists of the following machines:

System	Tool	Responsible
National SSN system in the Test environment	The client machines that the NCA users use to access the system through the Internet.	Member State
Central SSN system in Training and in Pre-Production environment	The application servers where the SSN core is installed.	EMSA
SSN Core Database in Training and in Pre-Production environment	The database server where the SSN Oracle Database 12c Enterprise Edition is installed.	EMSA

4. TEST ORGANISATION

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 Training environment. 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 (Phase 1).

As described above, once successfully completed the commissioning test plan, as set out in the Commissioning Plan documents (Part A and Part B for ancillary tests), the MS Test environment will be connected to EMSA Pre-Production environment (Phase 2 – Option 1).

Actual production data, converted to be compliant with the version under validation, is ingested by the MS Test environment so as to carry out the validation of the national SSN system by EMSA.

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

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">• Provide technical direction• Acquire appropriate resources• Provide management reporting
Test Designer	1	Central SSN	Identifies, prioritises, and implements test cases. <u>Responsibilities</u> : <ul style="list-style-type: none">• Generate test plan• Generate test model• Evaluate effectiveness of test effort
Tester	1	MS	Executes the tests. <u>Responsibilities</u> : <ul style="list-style-type: none">• Execute tests• Log results• Recover from errors• Document change requests
Test System Administrator	1	Both	Ensures test environment and assets are managed and maintained. <u>Responsibilities</u> : <ul style="list-style-type: none">• Administer test management system• Install and manage access to test systems

Role in Test Discipline	Min. Resources	Covered by (MS, SSN-EIS, both)	Specific Responsibilities or Comments
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"> Administer test data (database)

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.

4.2. PRELIMINARY ACTIONS

Phase 1:

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 to EMSA in order to gain access to the SSN Training environment. Requests can be submitted by email to the MSS mailbox.

EMSA will request for the following information:

- URL(s) from which the MS will perform the tests (Provider and Requester URL, if applicable).
- Protocol that is going to be used (SOAP or XML).
- Confirmation if the existing user should be used or there is a need to create a new user.
- Scope of the CT (test plan specifying the test scenarios to be covered).
- Planned date for starting the CT.
- Documentation required for generations of the Digital Certificates (if applicable).
- Indication which option for Phase 2 has been chosen.

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.

For the message-based mechanism:

<https://eis-training.emsa.europa.eu:448/eis/xmlprotocol-web/v5/ssn.do>

For the Web Services interface is accessible at:

<https://eis-training.emsa.europa.eu:448/eis/soapprotocol-ws/ssnmessageservice/message.wsdl>

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. The Digital Certificates Request Form is available at: <http://www.emsa.europa.eu/digital-certificate-request-form.html>
- 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). The EMSA Root and Intermediate certificates can be downloaded at: <http://emsa.europa.eu/pki/>
- Ensuring that the Firewall and DNS servers are configured to the central SSN system Reverse Proxy server.

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).

Preliminary tests

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.

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 (IMONumber and/or MMSINumber, CallSign, ShipName) and the details of the XML message, as defined in the SSN XML messaging specifications. For example, the test data for test scenario S1220-01 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">
  <Header Version="5.0" SentAt="2021-07-26T08:58:38Z"
  From="SOAPUI_V5_IT_MRS_NOT" To="SafeSeaNet" MSRefId="SOAP_MS_1627289918692"/>
  <Body>
    <MRSNotification>
      <MRSInformation MRSIdentification="ADRIREP"/>
      <VesselIdentification IMONumber="7203637"/>
      <VoyageInformation NextPortOfCall="GRTIN" ETA="2021-07-
27T08:58:38Z" TotalPersonsOnBoard="45" AnyDG="Y">
        <ShipPosition Longitude="45" Latitude="90"
ReportingDateAndTime="2021-07-26T08:58:38Z"/>
      </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/e-mail 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)

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

**Request to
EMSA before
launching the
tests**

confirmation, or propose an alternative date.

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

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:

Action1: 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:

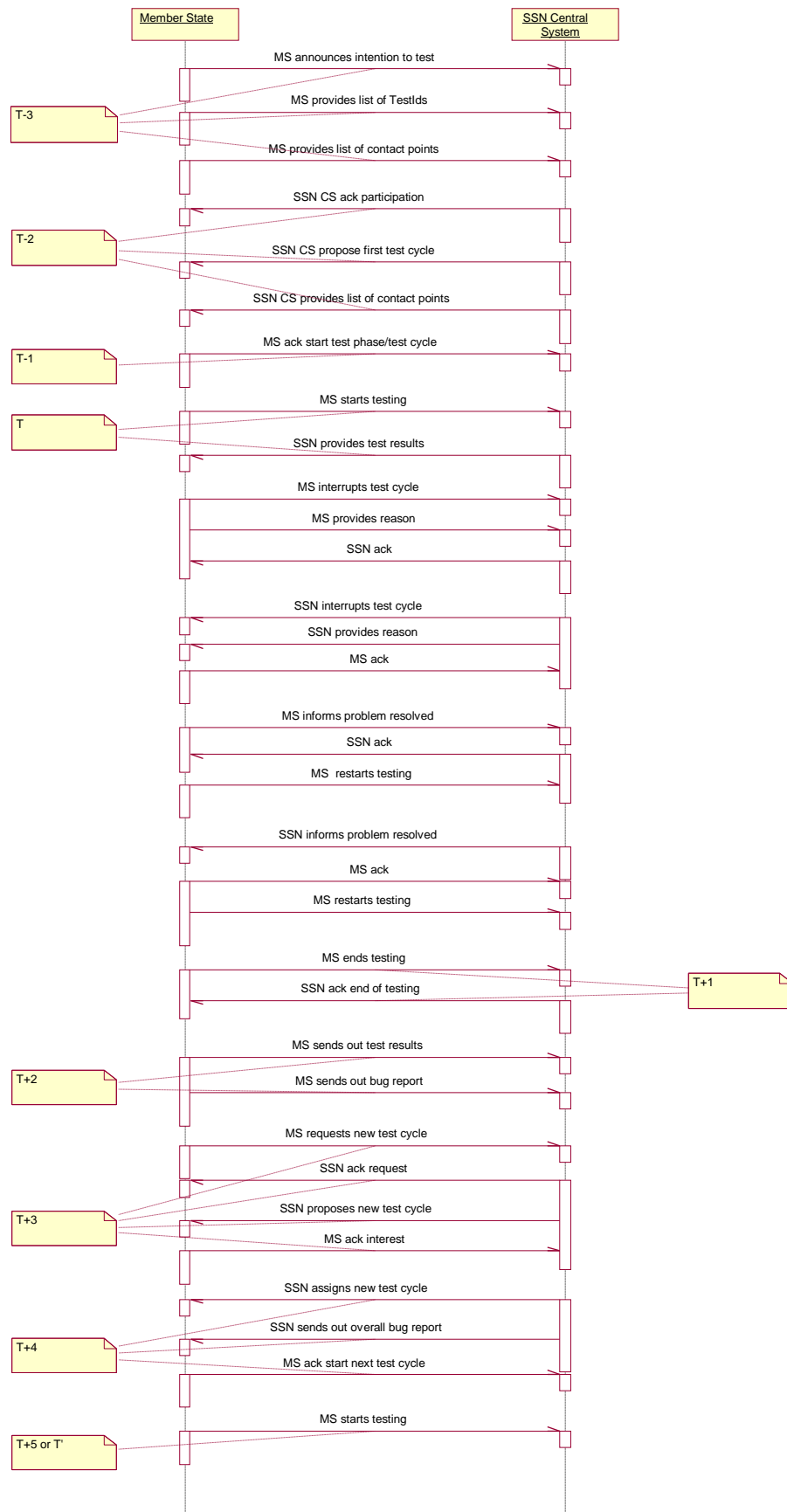


Figure 1 – Test Cycle Workflow

Phase 2 – Option 1

Request to EMSA before launching the tests

Before carrying out the Phase 2 of the CT – Option 1, it is very important that the following actions are taken:

The NCA will send a request for the connection the National SSN Test environment with the Central SSN Pre-Production environment.

This e-mail will provide the following information to EMSA:

- URL(s) from which the MS will perform the tests (Provider and Requester URL, if applicable).
- Protocol that is going to be used (SOAP or XML).
- Confirmation if the existing user should be used or there is a need to create a new user.
- Planned date for starting the CT.
- Documentation required for generations of the Digital Certificates (if applicable). The Digital Certificates Request Form is available at: <http://www.emsa.europa.eu/digital-certificate-request-form.html>

Requests can be submitted by email to the MSS mailbox.

Provision of production data through the _National SSN Test environment

The National SSN Test environment will ingest actual production data converted to be compliant with the version under validation, e.g. data in v4 should be transformed into v5.

Preliminary tests

Preliminary tests should be carried out to ensure that the system is transmitting the proper data compliant with the version under validation.

Prepare the test plan and organize the test team

This test plan will include covers the list of test cases and test scenarios to be executed.

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

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/e-mail 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)

Request to connect the National SSN Test environment with EMSA

When all of the preliminary actions above have been completed a request for connection to the Central SSN Pre-Prod environment will be submitted by the relevant NCA to MSS.

Such a request should be sent at least 5 working days in advance in order

**SSN Pre-Prod
environment**

to confirm the availability of the Central SSN Pre-Production 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 e-mail.

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 Pre-Production environment in order to validate the test results.

4.3. TEST EXECUTION

Phase 1

Test Timeline	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.
Test Suspension	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.
Test Resumption	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.
XML Test Message	<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>
Test ID	<p>Member State shall use the following nomenclature:</p> <ul style="list-style-type: none">▪ Member State: XX, 2 letters representing the Member State▪ Test Phase: C (conformance testing)▪ Test Cycle: 1 to n▪ Test scenario ID: Each test scenario described in the last section of this document has a test scenario ID. <p>For example:</p> <p>NO-C1-S1220-01 indicates that Norway is executing test scenario S1220-01 during the first test cycle of the conformance test phase.</p> <p>DE-C2-S1601-01 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"?>
<MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn">
  <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS"
MSRefId="SOAP_MS_1627644971735" SentAt="2021-07-30T11:36:11Z"
To="SafeSeaNet"/>
  <Body>
    <NotificationStatus UpdateStatus="N"/>
    <Notification>
      <VesselIdentification IMONumber="8433459"/>
      <VoyageInformation
ShipCallId="SHCL_1627644971736" NextPort="DEHEI" LastPort="DEABL"
PortOfCall="DEHEN" ETAToPortOfCall="2021-07-30T11:36:11Z"
ETAToNextPort="2021-08-02T11:36:11Z" ETDFromPortOfCall="2021-08-
01T11:36:11Z" ETDFromLastPort="2021-07-29T11:36:11Z"/>
      <PreArrival3DaysNotificationDetails
CargoVolumeNature="fuel" ConditionCargoBallastTanks="inerted"
PlannedOperations="unloading" PlannedWorks="Maintenance"
PossibleAnchorage="Y" ShipConfiguration="SHT"/>
    </Notification>
  </Body>
</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.

**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, the user_id, the organisation to which this user is assigned, the contact information, the role(s) and the access point to SSN (as data requester and data provider) are defined.

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.

Phase 2 – Option 1

During this phase the MS will not stop sending data to the SSN Production environment.

The MSS will inform the MS when this phase had concluded and request the required logs for analysis.

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.

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.

5. TEST SCENARIOS

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 inspection¹;
- notification at least 24 hours in advance of a ship's arrival in an EU port;
- pre-arrival notification of security information at least 24 hours before the ship's arrival in a EU port (Security);
- advance waste notification at least 24 hours before the ship's arrival in an EU port (according to Article 6 of Directive (EU) 2019/883);
- waste delivery receipt before ship departure, or as soon as the waste delivery receipt has been received (according to Article 7 paragraph 3 of Directive (EU) 2019/883);
- 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;
- 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), and;
- notification of bunkers carried onboard a ship leaving or bound for an EU port. This notification is to be made available via SSN by Member States that require that information on bunkers on board is reported in their National Single Window using FAL 3 - Ship's Store Declaration.
- information on persons on board passenger ships operating to or from ports of the Member States upon the passenger ship's departure (according to Articles 4(2) and 5(2) of Council Directive 98/41/EC as amended).

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

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

¹ Mandatory depending on the Member States national implementation according to IFCD chapter 2.3.

- BunkersNonEUDeparture: BunkersNotificationInfoNonEUDepartures
- BunkersEUDeparture: BunkersNotificationInfoEUDepartures
- CrewAndPassengerOnArrival: CrewAndPaxNotificationOnArrival
- CrewAndPassengerOnDeparture: CrewAndPaxNotificationOnDeparture

Users set-up

One of the following profiles need to be assigned in the EMSA Identity Management System (IdM) to a system user providing PortPlus notifications including Pre-Arrival, Hazmat, Waste, Security, Bunkers and CrewAndPax information:

- National SSN System (PRF_NAT_SSN)
- National SSN System in Norway (PRF_NAT_SSN_NO) – for Norway only;
- Port System (PRF_PORT_SYSTEM) – for port system communicating with SSN.

EMSA shall define the interface (XML or SOAP)Provider and Requestor URL in SSN Management Console as shown in Figure 2:

Protocol	Provider Uri	Requestor Uri	Certificate Name	Delete
SOAP				

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, BunkersNonEUDeparture, CrewAndPaxNotificationOnArrival, 24h, WasteNotification, Security, ATA, HazmatEUDeparture, , BunkersEUDeparture, WasteReceipt, CrewAndPaxNotificationOnDeparture, 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, BunkersNonEUDeparture, CrewAndPaxNotificationOnArrival, 24h, WasteNotification, Security, ATA, HazmatEUDeparture, , BunkersEUDeparture, WasteReceipt, CrewAndPaxNotificationOnDeparture, ATD) – normal flow – Update of attributes
TC-1605	Message-based mechanism sending PortPlus notification – Delete elements HazmatNonEUDeparture, HazmatEUDeparture, WasteNotification, Security, BunkersNonEUDeparture, BunkersEUDeparture, WasteReceipt, CrewAndPaxNotificationOnArrival and CrewAndPaxNotificationOnDeparture.
TC-1606	Message-based mechanism sending PortPlus notification – invalid XML message NOTE: The national systems should not allow sending invalid messages. If an Invalid notification is sent to SSN core the test is 'Failed'
TC-1607	Message-based mechanism sending wrong Portplus notification – not complying with business rules NOTE: The national systems should not allow sending invalid messages. If an Invalid notification is sent to SSN core the test is 'Failed'

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 Pre-Arrival
X	S1602-03	Message-based mechanism sending PortPlus notification (BunkersNonEUDeparture) – normal flow – Update of PortPlus S1602-02 by including BunkersNonEUDeparture
X	S1602-04	Message-based mechanism sending PortPlus notification (Waste) – normal flow – Update of PortPlus S1602 -03 by including WasteNotification
X	S1602-05	Message-based mechanism sending PortPlus notification (Security) – normal flow – Update of PortPlus S1602-04 by including Security and Vessels Details
X	S1602-06	Message-based mechanism sending PortPlus notification (CrewAndPaxNotificationOnArrival) – normal flow – Update of PortPlus S1602-05 by including CrewAndPaxNotificationOnArrival
X	S1602-07	Message-based mechanism sending PortPlus notification (ATA) – normal flow – Update of PortPlus S1602 -06 by including ATA
X	S1602-08	Message-based mechanism sending PortPlus notification (HazardEUDeparture) – normal flow – Update of PortPlus S1602-07 by including HazardEUDeparture (ATA attributes are updated)
X	S1602-09	Message-based mechanism sending PortPlus notification (WasteReceipt) – normal flow – Update of PortPlus S1602-08 by including WasteReceipt
X	S1602-10	Message-based mechanism sending PortPlus notification (BunkersEUDeparture) – normal flow – Update of PortPlus S1602-09 by including BunkersEUDeparture
X	S1602-11	Message-based mechanism sending PortPlus notification (CrewAndPaxNotificationOnDeparture) – normal flow – Update of PortPlus S1602-10 by including CrewAndPaxNotificationOnDeparture
X	S1602-12	Message-based mechanism sending PortPlus notification (ATD) – normal flow – Update of PortPlus S1602 -11 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, HazmatNonEUDeparture, BunkersNonEUDeparture, CrewAndPaxNotificationOnArrival) - normal flow
--	S1604-02	Message-based mechanism sending PortPlus notification (24h and CrewAndPaxNotificationOnArrival) - normal flow - Update of PortPlus S1604-01 by updating 24h and CrewAndPaxNotificationOnArrival
X	S1604-03	Message-based mechanism sending PortPlus notification (72h, 24h) - normal flow - Update of S1604-02 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	S1604-04	Message-based mechanism sending PortPlus notification (VoyageInformation) - normal flow - Update of S1604-03 by updating 'PortOfCall' and the ETAToPortOfCall. The port of call will be a subsidiary port.
X	S1604-05	Message-based mechanism sending PortPlus notification (WasteNotification, VesselDetails, Security) - normal flow - Update of S1604-04 by including the Waste Notification, Vessel Details and Security Notification
X	S1604-06	Message-based mechanism sending PortPlus notification (Waste) - normal flow - Update of S1604-05 by updating the Waste details
X	S1604-07	Message-based mechanism sending PortPlus notification (Security) - normal flow - Update of S1604-06 by updating the Security
X	S1604-08	Message-based mechanism sending PortPlus notification (ATA, HazmatEUDeparture) - normal flow - Update of S1604-07 by including ATA, HazmatEUDeparture and BunkersEUDeparture
--	S1604-09	Message-based mechanism sending PortPlus notification (WasteReceipt and CrewAndPaxNotificationOnDeparture) - normal flow - Update of PortPlus S1604-08 by updating ATA attributes and including WasteReceipt and CrewAndPaxNotificationOnDeparture
--	S1604-10	Message-based mechanism sending PortPlus notification (ATA, ATD, WasteReceipt) - normal flow - Update of PortPlus S1604-09 by including ATD and updating WasteReceipt (new WasteReceiptId added)

TC-1605 Scenarios		
Mandatory TS	Test Id	Description
X	S1605-01	Message-based mechanism sending PortPlus notification - - Update of S1604-10 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 Notification.
X	S1605-04	Message-based mechanism sending PortPlus notification. - Update of S1605-03 by deleting Security Notification.
X	S1605-05	Message-based mechanism sending PortPlus notification - - Update of S1605-04 by deleting BunkersNonEUDeparture.
X	S1605-06	Message-based mechanism sending PortPlus notification. - Update of S1605-05 by deleting BunkersEUDeparture.
X	S1605-07	Message-based mechanism sending PortPlus notification. - Update of S1605-06 by deleting WasteReceipt
X	S1605-08	Message-based mechanism sending PortPlus notification. - Update of S1605-07 by deleting CrewAndPaxNotificationOnArrival.
X	S1605-09	Message-based mechanism sending PortPlus notification. - Update of S1605-08 by deleting CrewAndPaxNotificationOnDeparture.

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 not allow sending the messages in these scenarios</p> <p>If an Invalid notification is sent to SSN core the test is 'Failed'</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 (HazardCargoInformation) – no HazardOnBoardYorN
	S1606-09	Message-based mechanism sending PortPlus notification (HazardCargoInformation-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
	S1606-14	Message-based mechanism sending PortPlus notification HazardEU (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 (HazardCargoInformation-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 HazardNotificationInfoEUDepartures and 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 not allow sending the messages</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)

TC-1607 Scenarios		
Mandatory TS	Test Id	Description
in these scenarios If an Invalid notification is sent to SSN core the test is 'Failed'	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
	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
Sample XML message	
S1601-01	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="N" and 72h information.</p> <p>Output: 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><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627646830920" SentAt="2021-07-30T12:07:10Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="N"/> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627646830919" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T12:07:10Z" ETAToNextPort="2021-08-02T12:07:10Z" ETDFromPortOfCall="2021-08- 01T12:07:10Z" ETDFromLastPort="2021-07-29T12:07:10Z"/> <PreArrival3DaysNotificationDetails CargoVolumeNature="fuel" ConditionCargoBallastTanks="inerted" PlannedOperations="unloading" PlannedWorks="Maintenance" PossibleAnchorage="Y" ShipConfiguration="SHT"/> </Notification> </Body> </MS2SSN_PortPlus_Not></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T12:07:10Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627646830920" SSNRefId="957172547" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt></pre>
S1601-02	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1601-01 by including the 24h</p> <p>Output: 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><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627646830921" SentAt="2021-07-30T12:07:10Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627646830920"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/></pre>

	<pre> <VoyageInformation ShipCallId="SHCL_1627646830919" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T12:07:10Z" ETAToNextPort="2021-08-02T12:07:10Z" ETDFromPortOfCall="2021-08- 01T12:07:10Z" ETDFromLastPort="2021-07-29T12:07:10Z"/> <PreArrival3DaysNotificationDetails CargoVolumeNature="fuel" ConditionCargoBallastTanks="inerted" PlannedOperations="unloading" PlannedWorks="Maintenance" PossibleAnchorage="Y" ShipConfiguration="SHT"/> <PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="123"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T12:07:11Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627646830921" SSNRefId="957172551" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1601-03	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1601-02 by including the ATA</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627646830922" SentAt="2021-07-30T12:07:11Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627646830921"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627646830919" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T12:07:10Z" ETAToNextPort="2021-08-02T12:07:10Z" ETDFromPortOfCall="2021-08- 01T12:07:10Z" ETDFromLastPort="2021-07-29T12:07:10Z"/> <PreArrival3DaysNotificationDetails CargoVolumeNature="fuel" ConditionCargoBallastTanks="inerted" PlannedOperations="unloading" PlannedWorks="Maintenance" PossibleAnchorage="Y" ShipConfiguration="SHT"/> <PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="123"/> <ArrivalNotificationDetails ATAPortOfCall="2021-07- 29T12:07:10Z"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T12:07:11Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627646830922" SSNRefId="957172555" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1601-04	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1601-03 by including the ATD</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627646830923" SentAt="2021-07-30T12:07:11Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627646830922"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627646830919" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T12:07:10Z" ETAToNextPort="2021-08-02T12:07:10Z" ETDFromPortOfCall="2021-08- 01T12:07:10Z" ETDFromLastPort="2021-07-29T12:07:10Z"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>

	<pre> <PreArrival3DaysNotificationDetails CargoVolumeNature="fuel" ConditionCargoBallastTanks="inerted" PlannedOperations="unloading" PlannedWorks="Maintenance" PossibleAnchorage="Y" ShipConfiguration="SHT"/> <PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="123"/> <ArrivalNotificationDetails ATAPortOfCall="2021-07- 29T12:07:10Z"/> <DepartureNotificationDetails POBVoyageTowardsNextPort="13" ATDPortOfCall="2021-07-30T12:07:10Z"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T12:07:11Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627646830923" SSNRefId="957172559" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1601-05	<p>Input: 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>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627646830923" SentAt="2021-07-30T12:07:11Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627646830922"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627646830919" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T12:07:10Z" ETAToNextPort="2021-08-02T12:07:10Z" ETDFromPortOfCall="2021-08- 01T12:07:10Z" ETDFromLastPort="2021-07-29T12:07:10Z"/> <PreArrival3DaysNotificationDetails CargoVolumeNature="fuel" ConditionCargoBallastTanks="inerted" PlannedOperations="unloading" PlannedWorks="Maintenance" PossibleAnchorage="Y" ShipConfiguration="SHT"/> <PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="123"/> <ArrivalNotificationDetails ATAPortOfCall="2021-07- 29T12:07:10Z"/> <DepartureNotificationDetails POBVoyageTowardsNextPort="13" ATDPortOfCall="2021-07-30T12:07:10Z"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T12:07:11Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627646830923" SSNRefId="957172559" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>

S1602-01	Message-based mechanism sending PortPlus notification (72h) – normal flow
S1602-02	Message-based mechanism sending PortPlus notification (HazmatNonEUDeparture and 24h) – normal flow – Update of PortPlus S1602-01 by including HazmatNonEUDeparture and 24h Pre-Arrival
S1602-03	Message-based mechanism sending PortPlus notification (BunkersNonEUDeparture) – normal flow – Update of PortPlus S1602-02 by including BunkersNonEUDeparture
S1602-04	Message-based mechanism sending PortPlus notification (Waste) – normal flow – Update of PortPlus S1602-03 by including WasteNotification
S1602-05	Message-based mechanism sending PortPlus notification (Security, Vessel Details) – normal flow – Update of PortPlus S1602-04 by including Security and Vessels Details
S1602-06	Message-based mechanism sending PortPlus notification (CrewAndPaxNotificationOnArrival) – normal flow – Update of PortPlus S1602-05 by including CrewAndPaxNotificationOnArrival
S1602-07	Message-based mechanism sending PortPlus notification (ATA) – normal flow – Update of PortPlus S1602-06 by including ATA
S1602-08	Message-based mechanism sending PortPlus notification (HazmatEUDeparture) – normal flow – Update of PortPlus S1602-07 by including HazmatEUDeparture (ATA attributes are updated)
S1602-09	Message-based mechanism sending PortPlus notification (WasteReceipt) – normal flow – Update of PortPlus S1602-08 by including WasteReceipt
S1602-10	Message-based mechanism sending PortPlus notification (BunkersEUDeparture) – normal flow – Update of PortPlus S1602-09 by including BunkersEUDeparture
S1602-11	Message-based mechanism sending PortPlus notification (CrewAndPaxNotificationOnDeparture) – normal flow – Update of PortPlus S1602-10 by including CrewAndPaxNotificationOnDeparture
S1602-12	Message-based mechanism sending PortPlus notification (HazmatEUDeparture) – normal flow – Update of PortPlus S1602-11 by including ATD (ATA attributes are updated)
Sample XML message	
S1602-01	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="N" and 72h information.</p> <p>Output: 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><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130447" SentAt="2021-07-30T14:08:50Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="N"/> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627654130446" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T14:08:50Z" ETAToNextPort="2021-08-02T14:08:50Z" ETDFromPortOfCall="2021-08- 01T14:08:50Z" ETDFromLastPort="2021-07-29T14:08:50Z"/> <PreArrival3DaysNotificationDetails CargoVolumeNature="fuel" ConditionCargoBallastTanks="inerted" PlannedOperations="unloading" PlannedWorks="Maintenance" PossibleAnchorage="Y" ShipConfiguration="SHT"/> </Notification> </Body> </MS2SSN_PortPlus_Not></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T14:08:50Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130447" SSNRefId="957173135" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt></pre>
S1602-02	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" – Update of PortPlus S1602-01 by including HazmatNonEUDeparture and 24h Pre-Arrival</p> <p>Output: 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><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130448" SentAt="2021-07-30T14:08:50Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627654130447"/> </NotificationStatus> </Body> </MS2SSN_PortPlus_Not></pre>

	<pre> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627654130446" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T14:08:50Z" ETAToNextPort="2021-08-02T14:08:50Z" ETDFromPortOfCall="2021-08- 01T14:08:50Z" ETDFromLastPort="2021-07-29T14:08:50Z"/> <PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="123"/> <HazmatNotificationInfoNonEUDepartures> <HazmatCargoInformation HazmatOnBoardYorN="Y" INFShipClass="INF2"> <DG DGClassification="IMDG"/> </HazmatCargoInformation> <CargoManifest> <UrlDetails Url="https://test1.test.gr" DocType="PDF"/> </CargoManifest> </HazmatNotificationInfoNonEUDepartures> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T14:08:50Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130448" SSNRefId="957173139" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1602-03	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" – Update of PortPlus S1602-02 by including BunkersNonEUDeparture</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130449" SentAt="2021-07-30T14:08:50Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627654130448"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627654130446" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T14:08:50Z" ETAToNextPort="2021-08-02T14:08:50Z" ETDFromPortOfCall="2021-08- 01T14:08:50Z" ETDFromLastPort="2021-07-29T14:08:50Z"/> <BunkersNotificationTowardsPortOfCall BunkersReportedYorN="Y"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T14:08:50Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130449" SSNRefId="957173144" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1602-04	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" –Update of PortPlus S1602 -03 by including WasteNotification</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130450" SentAt="2021-07-30T14:08:50Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627654130449"/> </pre>

	<pre> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627654130446" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T14:08:50Z" ETAToNextPort="2021-08-02T14:08:50Z" ETDFromPortOfCall="2021-08- 01T14:08:50Z" ETDFromLastPort="2021-07-29T14:08:50Z"/> <WasteNotification LastPortDelivered="DEHIE" LastPortDeliveredDate="2019-06-02" NextPortDelivery="DEHEI"> <WasteDetails> <Source LastUpdateReceivedAt="2019-06-07T10:00:00" ProviderOfLastUpdate="SOAPUI_V5_XML_DE_SYS"/> <WasteItem PortDeliveryRemainingWaste="DEHGE"> <WasteType WasteCode="1300" WasteDescription="Waste oils"/> <ToBeDelivered Quantity="123.12" UnitOfMeasurement="M3"/> <MaxStorage Quantity="123.12" UnitOfMeasurement="M3"/> <RetainedOnBoard Quantity="123.12" UnitOfMeasurement="M3"/> <EstimateGenerated Quantity="123.12" UnitOfMeasurement="M3"/> </WasteItem> </WasteDetails> </WasteNotification> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T14:08:50Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130450" SSNRefId="957173147" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1602-05	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" – Update of PortPlus S1602 -04 by including Security and Vessel Details, and updating VoyageInformation with additional elements associated with the Security information.</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130451" SentAt="2021-07-30T14:08:50Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627654130450"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627654130446" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T14:08:50Z" ETAToNextPort="2021-08-02T14:08:50Z" ETDFromPortOfCall="2021-08- 01T14:08:50Z" ETDFromLastPort="2021-07-29T14:08:50Z"/> <VesselDetails GrossTonnage="15000" ShipType="50"> <InmarsatCallNumber Inmarsat="999999999"/> <InmarsatCallNumber Inmarsat="999999999"/> <CertificateOfRegistry IssueDate="2014-09-04Z" CertificateNumber="123456"> <PortOfRegistry LoCode="GRPIR" LocationName="PIRAEUS"/> </CertificateOfRegistry> <Company CompanyName="COM" IMOCompanyNr="9332511"/> </VesselDetails> <SecurityNotification CurrentSecurityLevel="SL1"> <AgentInPortAtArrival AgentName="agent name" EMail="theemail@mail.com" Fax="+23456789" Phone="+23456789"/> </SecurityNotification> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T14:08:50Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130451" </pre>

	SSNRefId="957173152" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt>
S1602-06	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1602 -05 by including CrewAndPaxNotificationOnArrival.</p> <p>Output: 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><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130452" SentAt="2021-07-30T14:08:50Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627654130451"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627654130446" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T14:08:50Z" ETAToNextPort="2021-08-02T14:08:50Z" ETDFromPortOfCall="2021-08- 01T14:08:50Z" ETDFromLastPort="2021-07-29T14:08:50Z"/> <CrewAndPaxNotificationOnArrival CrewAndPaxYorN="Y" NumberOfCrew="10" NumberOfPassengers="10"/> </Notification> </Body> </MS2SSN_PortPlus_Not></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T14:08:50Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130452" SSNRefId="957173160" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt></pre>
S1602-07	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1602-06 by including ATA</p> <p>Output: 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><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130453" SentAt="2021-07-30T14:08:50Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627654130452"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627654130446" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T14:08:50Z" ETAToNextPort="2021-08-02T14:08:50Z" ETDFromPortOfCall="2021-08- 01T14:08:50Z" ETDFromLastPort="2021-07-29T14:08:50Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-07- 28T14:08:50Z"/> </Notification> </Body> </MS2SSN_PortPlus_Not></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T14:08:51Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130453" SSNRefId="957173164" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt></pre>
S1602-08	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1602-06 by including HazmatEUDeparture (ATA attributes are updated) and POBVoyageTowardsNextPort (included under DepartureNotificationDetails)</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with</p>

	StatusCode="OK". The SSN_Receipt verifies that the Not message is received and has been processed.
MS2SSN Notification	<pre><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130454" SentAt="2021-07-30T14:08:51Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627654130453"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627654130446" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T14:08:50Z" ETAToNextPort="2021-08-02T14:08:50Z" ETDFromPortOfCall="2021-08- 01T14:08:50Z" ETDFromLastPort="2021-07-29T14:08:50Z"/> <PreArrival3DaysNotificationDetails CargoVolumeNature="fuel" ConditionCargoBallastTanks="inerted" PlannedOperations="unloading" PlannedWorks="Maintenance" PossibleAnchorage="Y" ShipConfiguration="SHT"/> <PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="123"/> <ArrivalNotificationDetails ATAPortOfCall="2021-07- 29T14:08:50Z"/> <DepartureNotificationDetails POBVoyageTowardsNextPort="13"/> <HazmatNotificationInfoEUDepartures> <HazmatCargoInformation HazmatOnBoardYorN="Y" <DG DGClassification="IMDG"/> </HazmatCargoInformation> <CargoManifest> <UrlDetails Url="https://test2.test.gr" </CargoManifest> </HazmatNotificationInfoEUDepartures> </Notification> </Body> </MS2SSN_PortPlus_Not></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T14:08:51Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130454" SSNRefId="957173170" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt></pre>
S1602-09	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1602 -08 by including WasteReceipt</p> <p>Output: 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><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130455" SentAt="2021-07-30T14:08:51Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627654130454"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627654130446" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T14:08:50Z" ETAToNextPort="2021-08-02T14:08:50Z" ETDFromPortOfCall="2021-08- 01T14:08:50Z" ETDFromLastPort="2021-07-29T14:08:50Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-07- 29T14:08:50Z"/> <WasteReceipt WasteReceiptId="SOAP_XML_8433459"> <Source ProviderOfLastUpdate="SOAPUI_DE_SYS" LastUpdateReceivedAt="2021-04-07T12:17:03Z"/> <PortReceptionFacility> <PortReceptionFacilityProvider</pre>

	<pre> PRFProviderName="DEHIE"/> <TreatmentFacilityProvider TreatmentFacilityProviderName="DEHIE"/> <WasteDeliveryPeriod DateTimeFrom="2021-04- 07T12:17:03Z" DateTimeTo="2021-04-07T12:17:03Z"/> </PortReceptionFacility> <WasteReceived> <WasteType WasteCode="1300" WasteDescription="Waste oils"/> <AmountWasteReceived UnitOfMeasurement="M3" Quantity="100.0"/> </WasteReceived> </WasteReceipt> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T14:08:51Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130455" SSNRefId="957173175" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1602-10	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1602 -09 by including BunkersEUDeparture and POBVoyageTowardsNextPort (included under DepartureNotificationDetails)</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130456" SentAt="2021-07-30T14:08:51Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627654130455"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627654130446" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T14:08:50Z" ETAToNextPort="2021-08-02T14:08:50Z" ETDFromPortOfCall="2021-08- 01T14:08:50Z" ETDFromLastPort="2021-07-29T14:08:50Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-07- 29T14:08:50Z"/> <DepartureNotificationDetails POBVoyageTowardsNextPort="13"/> <BunkersNotificationTowardsNextPort BunkersReportedYorN="Y"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T14:08:51Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130456" SSNRefId="957173182" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1602-11	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1602 -10 by including CrewAndPaxNotificationOnDeparture</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130457" SentAt="2021-07-30T14:08:51Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627654130456"/> </pre>

	<pre> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627654130446" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T14:08:50Z" ETAToNextPort="2021-08-02T14:08:50Z" ETDFromPortOfCall="2021-08- 01T14:08:50Z" ETDFromLastPort="2021-07-29T14:08:50Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-07- 29T14:08:50Z"/> <DepartureNotificationDetails POBVoyageTowardsNextPort="13" /> <CrewAndPaxNotificationOnDeparture CrewAndPaxYorN="Y" NumberOfCrew="10" NumberOfPassengers="10"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T14:08:51Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130457" SSNRefId="957173186" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1602-12	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1602 -09 by including ATD (ATA attributes are updated)</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130458" SentAt="2021-07-30T14:08:51Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627654130457"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627654130446" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-07- 30T14:08:50Z" ETAToNextPort="2021-08-02T14:08:50Z" ETDFromPortOfCall="2021-08- 01T14:08:50Z" ETDFromLastPort="2021-07-29T14:08:50Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-07- 29T14:08:50Z"/> <DepartureNotificationDetails POBVoyageTowardsNextPort="13" ATDPortOfCall="2021-07-30T14:08:50Z"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-07-30T14:08:51Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627654130458" SSNRefId="957173190" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </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)
Sample XML message	
S1603-01	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="N" and 72h information.</p> <p>Output: 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	<pre> <?xml version="1.0" encoding="UTF-8"?> </pre>

Notification	<pre><MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627891647901" SentAt="2021-08-02T08:07:27Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="N"/> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627891647900" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-08- 02T08:07:27Z" ETAToNextPort="2021-08-05T08:07:27Z" ETDFromPortOfCall="2021-08- 04T08:07:27Z" ETDFromLastPort="2021-08-01T08:07:27Z"/> <PreArrival3DaysNotificationDetails CargoVolumeNature="fuel" ConditionCargoBallastTanks="inerted" PlannedOperations="unloading" PlannedWorks="Maintenance" PossibleAnchorage="Y" ShipConfiguration="SHT"/> </Notification> </Body></MS2SSN_PortPlus_Not></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T08:07:28Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627891647901" SSNRefId="957173287" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt></pre>
S1603-02	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" Update of PortPlus S1603-01 by including 24h.</p> <p>Output: 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><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627891647902" SentAt="2021-08-02T08:07:28Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627891647901"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627891647900" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-08- 02T08:07:27Z" ETAToNextPort="2021-08-05T08:07:27Z" ETDFromPortOfCall="2021-08- 04T08:07:27Z" ETDFromLastPort="2021-08-01T08:07:27Z"/> <PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="123"/> </Notification> </Body> </MS2SSN_PortPlus_Not></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T08:07:28Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627891647902" SSNRefId="957173291" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt></pre>
S1603-03	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Cancellation of Ship Call.</p> <p>Output: 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><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627891647903" SentAt="2021-08-02T08:07:28Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627891647902"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627891953006" PortOfCall="ZZCAN" ETAToPortOfCall="2021-08-02T08:12:33Z" ETDFromPortOfCall="2021-08-</pre>

	04T08:12:33Z" /> </Notification> </Body> </MS2SSN_PortPlus_Not>
SSN_Receipt	<?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T08:07:28Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627891647903" SSNRefId="957173295" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt>

S1604-01	Message-based mechanism sending PortPlus notification (72h, 24h, HazmatNonEUDeparture, BunkersNonEUDeparture, CrewAndPaxNotificationOnArrival) – normal flow
S1604-02	Message-based mechanism sending PortPlus notification (24h and CrewAndPaxNotificationOnArrival) – normal flow – Update of PortPlus S1604-01 by updating 24h and CrewAndPaxNotificationOnArrival
S1604-03	Message-based mechanism sending PortPlus notification (72h, 24h) – normal flow – Update of S1604-02 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.
S1604-04	Message-based mechanism sending PortPlus notification (VoyageInformation) – normal flow – Update of S1604-03 by updating 'PortOfCall' and the ETAToPortOfCall. The port of call will be a subsidiary port.
S1604-05	Message-based mechanism sending PortPlus notification (WasteNotification, VesselDetails, Security) – normal flow – Update of S1604-04 by including the Waste Notification, Vessel Details and Security Notification
S1604-06	Message-based mechanism sending PortPlus notification (Waste details) – normal flow – Update of S1604-05 by updating the Waste details
S1604-07	Message-based mechanism sending PortPlus notification (Security) – normal flow – Update of S1604-06 by updating the Security
S1604-08	Message-based mechanism sending PortPlus notification (ATA, HazmatEUDeparture) – normal flow – Update of S1604-07 by including ATA, HazmatEUDeparture and BunkersEUDeparture
S1604-09	Message-based mechanism sending PortPlus notification (WasteReceipt and CrewAndPaxNotificationOnDeparture) – normal flow – Update of PortPlus S1604-08 by updating ATA attributes and including WasteReceipt and CrewAndPaxNotificationOnDeparture
S1604-10	Message-based mechanism sending PortPlus notification (ATA, ATD, WasteReceipt) – normal flow – Update of PortPlus S1604-09 by including ATD and updating WasteReceipt (new WasteReceiptId added)

Sample XML messages

S1604-01	Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="N", with 72h, 24h, HazmatNonEuDeparture, BunkersNonEUDeparture and CrewAndPaxNotificationOnArrival Output: 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"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349690" SentAt="2021-08-02T09:42:29Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="N"/> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-08-02T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08-04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <PreArrival3DaysNotificationDetails CargoVolumeNature="fuel" ConditionCargoBallastTanks="inerted" PlannedOperations="unloading" PlannedWorks="Maintenance" PossibleAnchorage="Y" ShipConfiguration="SHT"/> <PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="123"/> <HazmatNotificationInfoNonEUDepartures> <HazmatCargoInformation HazmatOnBoardYorN="Y" INFShipClass="INF2"> <DG DGClassification="IMDG"/> </HazmatCargoInformation> <CargoManifest> <UrlDetails Url="https://test1.test.gr" DocType="PDF"/> </CargoManifest>

	<pre> </HazardNotificationInfoNonEUDepartures> <BunkersNotificationTowardsPortOfCall BunkersReportedYorN="Y"/> <CrewAndPaxNotificationOnArrival CrewAndPaxYorN="N" NumberOfCrew="10" NumberOfPassengers="10"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:29Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349690" SSNRefId="957173762" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1604-02	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1604-01 by updating 24h and CrewAndPaxNotificationOnArrival</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349691" SentAt="2021-08-02T09:42:29Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349690"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-08- 02T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <PreArrival3DaysNotificationDetails CargoVolumeNature="fuel" ConditionCargoBallastTanks="inerted" PlannedOperations="unloading" PlannedWorks="Maintenance" PossibleAnchorage="Y" ShipConfiguration="SHT"/> <PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="456"/> <CrewAndPaxNotificationOnArrival CrewAndPaxYorN="N" NumberOfCrew="20" NumberOfPassengers="20"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:29Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349691" SSNRefId="957173766" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1604-03	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Updating S1604-02 by 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>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349692" SentAt="2021-08-02T09:42:30Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349691"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-08- 02T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <PreArrival3DaysNotificationDetails PossibleAnchorage="Y"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>

	<pre> <PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="321"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:30Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349692" SSNRefId="957173771" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1604-04	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" – Update of S1604-03 by updating 'PortOfCall' and the ETAToPortOfCall. The port of call will be a subsidiary port.</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349693" SentAt="2021-08-02T09:42:30Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349692"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHIE" ETAToPortOfCall="2021-08- 03T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z" PositionInPortOfCall="MARINE"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:30Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349693" SSNRefId="957173775" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1604-05	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1604-04 by including the Waste Notification, Security Notification (including VoyageInformation with additional elements associated with the Security information) and Vessel Details</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349694" SentAt="2021-08-02T09:42:30Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349693"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHIE" ETAToPortOfCall="2021-08- 03T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <VesselDetails GrossTonnage="15000" ShipType="50"> <InmarsatCallNumber Inmarsat="999999999"/> <InmarsatCallNumber Inmarsat="999999998"/> <CertificateOfRegistry IssueDate="2014-09-04Z" CertificateNumber="123456"> <PortOfRegistry LoCode="GRPIR" LocationName="PIRAEUS"/> </CertificateOfRegistry> <Company CompanyName="COM" IMOCompanyNr="9332511"/> </VesselDetails> <WasteNotification LastPortDelivered="DEHIE" LastPortDeliveredDate="2019-06-02" NextPortDelivery="DEHEI"> </WasteDetails> </pre>

	<pre> <Source LastUpdateReceivedAt="2019-06-07T10:00:00" ProviderOfLastUpdate="SOAPUI_V5_XML_DE_SYS"/> <WasteItem PortDeliveryRemainingWaste="DEHGE"> <WasteType WasteCode="1300" WasteDescription="Waste oils"/> <ToBeDelivered Quantity="123.12" UnitOfMeasurement="M3"/> <EstimateGenerated Quantity="123.12" UnitOfMeasurement="M3"/> </WasteItem> </WasteDetails> </WasteNotification> <SecurityNotification CurrentSecurityLevel="SL1"> <AgentInPortAtArrival AgentName="agent name" EMail="theemail@mail.com" Fax="+23456789" Phone="+23456789"/> </SecurityNotification> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:30Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349694" SSNRefId="957173779" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1604-06	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1604-05 by updating the Waste details</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349695" SentAt="2021-08-02T09:42:30Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349694"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHIE" ETAToPortOfCall="2021-08- 03T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <WasteNotification LastPortDelivered="DEHIE" LastPortDeliveredDate="2019-06-02" NextPortDelivery="DEHEI"> <WasteDetails> <Source LastUpdateReceivedAt="2019-06-07T10:00:00" ProviderOfLastUpdate="SOAPUI_V5_XML_DE_SYS"/> <WasteItem PortDeliveryRemainingWaste="DEHGE"> <WasteType WasteCode="1300" WasteDescription="Waste oils"/> <ToBeDelivered Quantity="456.45" UnitOfMeasurement="M3"/> <MaxStorage Quantity="456.45" UnitOfMeasurement="M3"/> </WasteItem> </WasteDetails> </WasteNotification> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:30Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349695" SSNRefId="957173788" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1604-07	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1604-06 by updating the Security</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> </pre>

	<pre> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349696" SentAt="2021-08-02T09:42:30Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349695"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHIE" ETAToPortOfCall="2021-08- 03T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <SecurityNotification CurrentSecurityLevel="SL2"> <AgentInPortAtArrival AgentName="agent name2" Email="thenewemail@mail.com" Fax="+23456789" Phone="+23456789"/> </SecurityNotification> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:30Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349696" SSNRefId="957173793" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1604-08	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1604-07 by including ATA, HazmatEUDeparture, BunkersEUDeparture and POBVoyageTowardsNextPort (included under DepartureNotificationDetails).</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349697" SentAt="2021-08-02T09:42:30Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349696"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHIE" ETAToPortOfCall="2021-08- 03T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-07- 31T09:42:29Z"/> <DepartureNotificationDetails POBVoyageTowardsNextPort="13"/> <HazmatNotificationInfoEUDepartures> <HazmatCargoInformation <DG DGClassification="IMDG"/> </HazmatCargoInformation> <CargoManifest> <UrlDetails Url="https://test2.test.gr" </UrlDetails> </CargoManifest> </HazmatNotificationInfoEUDepartures> <BunkersNotificationTowardsNextPort BunkersReportedYorN="Y"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:30Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349697" SSNRefId="957173797" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1604-09	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1604-08 by updating ATA attributes and including WasteReceipt and CrewAndPaxNotificationOnDeparture</p>

	<p>Output: 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><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349698" SentAt="2021-08-02T09:42:30Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349697"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHIE" ETAToPortOfCall="2021-08- 03T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-08- 01T09:42:29Z"/> <WasteReceipt WasteReceiptId="SOAP_XML_123"> <Source ProviderOfLastUpdate="SOAPUI_DE_SYS" LastUpdateReceivedAt="2021-04-07T12:17:03Z"/> <PortReceptionFacility> <PortReceptionFacilityProvider PRFProviderName="DEHIE"/> <TreatmentFacilityProvider TreatmentFacilityProviderName="DEHIE"/> <WasteDeliveryPeriod DateTimeFrom="2021-04-07T12:17:03Z" DateTimeTo="2021-04-07T12:17:03Z"/> </PortReceptionFacility> <WasteReceived> <WasteType WasteCode="1300" WasteDescription="Waste oils"/> <AmountWasteReceived UnitOfMeasurement="M3" Quantity="100.0"/> </WasteReceived> </WasteReceipt> <CrewAndPaxNotificationOnDeparture CrewAndPaxYorN="N" NumberOfCrew="10" NumberOfPassengers="10"/> </Notification> </Body> </MS2SSN_PortPlus_Not></pre>
SSN Receipt	<pre><?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:30Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349698" SSNRefId="957173802" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt></pre>
S1604-10	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of PortPlus S1604-09 by including ATD and updating WasteReceipt (new WasteReceiptID added)</p> <p>Output: 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><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349699" SentAt="2021-08-02T09:42:30Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349698"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-08- 02T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-08- 01T09:42:29Z"/> <DepartureNotificationDetails ATDPortOfCall="2021-08- 02T09:42:29Z" POBVoyageTowardsNextPort="13"/> </Notification> </Body> </MS2SSN_PortPlus_Not></pre>

	<pre> <WasteReceipt WasteReceiptId="SOAP_XML_123"> <Source ProviderOfLastUpdate="SOAPUI_DE_SYS" LastUpdateReceivedAt="2021-04-07T12:17:03Z"/> <PortReceptionFacility> <PortReceptionFacilityProvider PRFProviderName="DEHIE"/> <TreatmentFacilityProvider TreatmentFacilityProviderName="DEHIE"/> <WasteDeliveryPeriod DateTimeFrom="2021-04-07T12:17:03Z" DateTimeTo="2021-04-07T12:17:03Z"/> </PortReceptionFacility> <WasteReceived> <WasteType WasteCode="1300" WasteDescription="Waste oils"/> <AmountWasteReceived UnitOfMeasurement="M3" Quantity="100.0"/> </WasteReceived> </WasteReceipt> <WasteReceipt WasteReceiptId="SOAP_XML_456"> <Source ProviderOfLastUpdate="SOAPUI_DE_SYS" LastUpdateReceivedAt="2021-04-07T12:17:03Z"/> <PortReceptionFacility> <PortReceptionFacilityProvider PRFProviderName="DEABL"/> <TreatmentFacilityProvider TreatmentFacilityProviderName="DEABL"/> <WasteDeliveryPeriod DateTimeFrom="2021-04-07T12:17:03Z" DateTimeTo="2021-04-07T12:17:03Z"/> </PortReceptionFacility> <WasteReceived> <WasteType WasteCode="1300" WasteDescription="Waste oils"/> <AmountWasteReceived UnitOfMeasurement="M3" Quantity="200.0"/> </WasteReceived> </WasteReceipt> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:31Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349699" SSNRefId="957173811" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>

S1605-01	Message-based mechanism sending PortPlus notification - Update of S1604-10 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 Notification.
S1605-04	Message-based mechanism sending PortPlus notification. - Update of S1605-03 by deleting Security Notification.
S1605-05	Message-based mechanism sending PortPlus notification - - Update of S1605-04 by deleting BunkersNonEUDeparture.
S1605-06	Message-based mechanism sending PortPlus notification. - Update of S1605-06 by deleting BunkersEUDeparture.
S1605-07	Message-based mechanism sending PortPlus notification. - Update of S1605-06 by deleting WasteReceipt.
S1605-08	Message-based mechanism sending PortPlus notification. - Update of S1605-06 by deleting CrewAndPaxNotificationOnArrival.
S1605-09	Message-based mechanism sending PortPlus notification. - Update of S1605-06 by deleting CrewAndPaxNotificationOnDeparture.
Sample XML message	
S1605-01	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1604-10 by deleting HazmatNonEUDeparture.</p> <p>Output: 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><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349700" SentAt="2021-08-02T09:42:31Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349699" DeleteHazardNotificationInfoNonEUDepartures="Y"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-08- 02T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-08- 01T09:42:29Z"/> <DepartureNotificationDetails ATDPortOfCall="2021-08- 02T09:42:29Z" POBVoyageTowardsNextPort="13"/> </Notification> </Body> </MS2SSN_PortPlus_Not></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:31Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349700" SSNRefId="957173821" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt></pre>
S1605-02	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1605-01 by deleting HazardEUDeparture.</p> <p>Output: 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><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349701" SentAt="2021-08-02T09:42:31Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349700" DeleteHazardNotificationInfoEUDepartures="Y"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-08- 02T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-08- 01T09:42:29Z"/> <DepartureNotificationDetails ATDPortOfCall="2021-08- 02T09:42:29Z" POBVoyageTowardsNextPort="13"/> </Notification> </Body> </MS2SSN_PortPlus_Not></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:31Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349701" SSNRefId="957173825" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt></pre>
S1605-03	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1605-02 by deleting Waste.</p> <p>Output: 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><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"></pre>

	<pre> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349702" SentAt="2021-08-02T09:42:31Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349701" DeleteWasteNotification="Y"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-08- 02T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-08- 01T09:42:29Z"/> <DepartureNotificationDetails ATDPortOfCall="2021-08- 02T09:42:29Z" POBVoyageTowardsNextPort="13"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:31Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349702" SSNRefId="957173829" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1605-04	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1605-03 by deleting Security Notification.</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349703" SentAt="2021-08-02T09:42:31Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349702" DeleteSecurityNotification="Y"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-08- 02T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-08- 01T09:42:29Z"/> <DepartureNotificationDetails ATDPortOfCall="2021-08- 02T09:42:29Z" POBVoyageTowardsNextPort="13"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:31Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349703" SSNRefId="957173833" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1605-05	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1605-04 by deleting BunkersNonEUDeparture.</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349704" SentAt="2021-08-02T09:42:31Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> </pre>

	<pre> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349703" DeleteBunkersNotificationTowardsPortOfCall="Y"/> </NotificationStatus> </Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-08- 02T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-08- 01T09:42:29Z"/> <DepartureNotificationDetails ATDPortOfCall="2021-08- 02T09:42:29Z" POBVoyageTowardsNextPort="13"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:31Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349704" SSNRefId="957173837" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1605-06	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1605-05 by deleting BunkersEUDeparture.</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349705" SentAt="2021-08-02T09:42:31Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349704" DeleteBunkersNotificationTowardsNextPort="Y"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-08- 02T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-08- 01T09:42:29Z"/> <DepartureNotificationDetails ATDPortOfCall="2021-08- 02T09:42:29Z" POBVoyageTowardsNextPort="13"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:31Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349705" SSNRefId="957173843" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1605-07	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1605-06 by deleting WasteReceipt (all or only one WasteReceiptID)</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349706" SentAt="2021-08-02T09:42:31Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349705" DeleteWasteReceipt="Y"/> </NotificationStatus> </Body> </MS2SSN_PortPlus_Not> </pre>

	<pre> </NotificationStatus> </Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-08- 02T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-08- 01T09:42:29Z"/> <DepartureNotificationDetails ATDPortOfCall="2021-08- 02T09:42:29Z" POBVoyageTowardsNextPort="13"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:31Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349706" SSNRefId="957173846" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1605-08	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1605-07 by deleting CrewAndPaxNotificationOnArrival.</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349707" SentAt="2021-08-02T09:42:31Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349706" DeleteCrewAndPaxNotificationOnArrival="Y"/> </NotificationStatus> <Notification> <VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-08- 02T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08- 04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-08- 01T09:42:29Z"/> <DepartureNotificationDetails ATDPortOfCall="2021-08- 02T09:42:29Z" POBVoyageTowardsNextPort="13"/> </Notification> </Body> </MS2SSN_PortPlus_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:31Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349707" SSNRefId="957173851" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt> </pre>
S1605-09	<p>Input: The data provider is sending an MS2SSN_PortPlus_Not with UpdateStatus="U" - Update of S1605-08 by deleting CrewAndPaxNotificationOnDeparture.</p> <p>Output: 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> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_PortPlus_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" From="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349708" SentAt="2021-08-02T09:42:32Z" To="SafeSeaNet"/> <Body> <NotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SOAP_MS_1627897349707" DeleteCrewAndPaxNotificationOnDeparture="Y"/> </NotificationStatus> <Notification> </pre>

	<VesselIdentification IMONumber="8433459"/> <VoyageInformation ShipCallId="SHCL_1627897349689" NextPort="DEHEI" LastPort="DEABL" PortOfCall="DEHEN" ETAToPortOfCall="2021-08-02T09:42:29Z" ETAToNextPort="2021-08-05T09:42:29Z" ETDFromPortOfCall="2021-08-04T09:42:29Z" ETDFromLastPort="2021-08-01T09:42:29Z"/> <ArrivalNotificationDetails ATAPortOfCall="2021-08-01T09:42:29Z"/> <DepartureNotificationDetails ATDPortOfCall="2021-08-02T09:42:29Z" POBVoyageTowardsNextPort="13"/> </Notification> </Body> </MS2SSN_PortPlus_Not>
SSN_Receipt	<?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:42:32Z" From="SafeSeaNet" To="SOAPUI_V5_XML_DE_SYS" MSRefId="SOAP_MS_1627897349708" SSNRefId="957173855" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt>

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 or alternative means 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

One of the following profiles need to be assigned in the EMSA Identity Management System (IdM) to a system user providing Ship MRS notifications:

- National SSN System (PRF_NAT_SSN)
- National SSN System in Norway (PRF_NAT_SSN_NO) – for Norway only.

EMSA shall define the Provider and Requestor URL in SSN Management Console as shown in Figure 3:



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-1221	Message-based mechanism sending MRS ship notification – invalid XML message
	NOTE: The national systems should not allow sending invalid messages. If an Invalid notification is sent to SSN core the test is 'Failed'.

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-1221 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
S1220-01	Message-based mechanism sending MRS Ship Notification – normal flow
S1221-01	Message-based mechanism sending MRS Ship Notifications – invalid XML message
	NOTE: The national systems should not allow sending invalid messages. If an Invalid notification is sent to SSN core the test is 'Failed'.

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

Complement- ary 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.

S1220-01	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 sent 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
Sample XML message		
S1220-01	Input: The data provider is sending an MS2SSN_Ship_Not for a vessel with IMONumber="9240005". Output: 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><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_Ship_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-02T09:52:59Z" From="SOAPUI_V5_XML_IT_SYS" To="SafeSeaNet" MSRefId="SOAP_MS_1627897979050"/> <Body> <MRSNotification> <MRSInformation MRSIdentification="ADRIREP"/> <VesselIdentification IMONumber="9240005"/> <VoyageInformation NextPortOfCall="GRTIN" ETA="2021-08-03T09:52:59Z" TotalPersonsOnBoard="45" AnyDG="Y"> <ShipPosition Longitude="45" Latitude="90" ReportingDateAndTime="2021-08-02T09:52:59Z"/> </VoyageInformation> </MRSNotification> </Body> </MS2SSN_Ship_Not></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T09:53:01Z" From="SafeSeaNet" To="SOAPUI_V5_XML_IT_SYS" MSRefId="SOAP_MS_1627897979050" SSNRefId="957173891" StatusCode="OK" StatusMessage="The message processed successfully."/></SSN_Receipt></pre>	

S1221-01	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
Sample XML message		
S1221-01	Input: The data provider is sending an MS2SSN_Ship_Not for a vessel with IMONumber="9240005" and MMSINumber="200111111". Output: 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><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_Ship_Not xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-02T10:21:08Z" From="SOAPUI_V5_XML_IT_SYS" To="SafeSeaNet" MSRefId="SOAP_MS_1627899668019"/> <Body></pre>	

	<pre> <MRSNotification> <MRSInformation MRSIdentification="ADRIREP"/> <VesselIdentification IMONumber="9240005" MMSINumber="200111111"/> <VoyageInformation NextPortOfCall="GRTIN" ETA="2021-08- 03T10:21:08Z" TotalPersonsOnBoard="45" AnyDG="Y"> <ShipPosition Longitude="45" Latitude="90" ReportingDateAndTime="2021-08-02T10:21:08Z"/> </VoyageInformation> </MRSNotification> </Body> </MS2SSN_Ship_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="5.0" SentAt="2021-08-02T10:21:08Z" From="SafeSeaNet" To="NotAvailable" MSRefId="N/A" SSNRefId="957173897" StatusCode="InvalidFormat" StatusMessage="&#xd;&#xa;Exception Description: An error occurred unmarshalling the document&#xd;&#xa;Internal Exception: org.xml.sax.SAXParseException; lineNumber: 6; columnNumber: 70; cvc-datatype-valid.1.2.3: '200111111' is not a valid value of union type 'MMSINumberType'."/></SSN_Receipt> </pre>

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

Use Case Description

This relates to the responses to SSN requests with PortPlus notification details (Hazmat, Security, Bunkers and Crew and Passenger 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, Security, Bunkers and Crew and Passenger 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. The Waste details (Waste Notification and Waste Receipt) will be directly provided by SSN upon request as the information is provided in the PortPlus notification and stored in the Central SSN system.

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, Bunkers and Crew and Passenger details to a PortPlus notification previously sent to SSN. Although some elements are not mandatory in the MS2SSN_ShipCall_Res (e.g. PreviousCallAtPortFacility for Security) they shall be provided in the response message. Test cases containing "empty" responses will be marked as "Failed" and will have to be repeated.

In order to execute the test scenarios the tester can trigger the SSN2MS_ShipCall_Req by initiating a request for Hazmat, Security, Bunkers and Crew and Passenger 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

One of the following profiles need to be assigned in the EMSA Identify Management System (IdM) to a system user responding to request for Hazmat, Security, Bunkers or Crew and Passenger details:

- National SSN System (PRF_NAT_SSN)
- National SSN System in Norway (PRF_NAT_SSN_NO) – for Norway only;
- Port System (PRF_PORT_SYSTEM) – for port system communicating with SSN.

For the user requesting details via the XML/SOAP, one of the following profiles need to be assigned in the EMSA Identify Management System (IdM):

- National SSN System (PRF_NAT_SSN)
- National SSN System in Norway (PRF_NAT_SSN_NO) – for Norway only;

- Port System (PRF_PORT_SYSTEM) – for port system communicating with SSN.

EMSA shall define the Provider and Requestor URL in SSN Management Console as shown in Figure 4:

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
TC- 3612	Message-based mechanism response to ShipCall request for GetActiveSecurityForSelectedShip
TC-3614	Message-based mechanism response to ShipCall request for GetActiveBunkersForSelectedShip
TC-3615	Message-based mechanism response to ShipCall request for GetActiveCrewAndPaxForSelectedShip

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 HazmatTowardPortOfCall
S3601-03	Message-based mechanism response to ShipCall request for ExpectedCallOfSelectedShip – Get Security details
S3601-04	Message-based mechanism response to ShipCall request for ExpectedCallOfSelectedShip – Get Bunkers details in order to obtain BunkersTowardsPortOfCall
S3601-05	Message-based mechanism response to ShipCall request for ExpectedCallOfSelectedShip – Get CrewAndPax details in order to obtain CrewAndPaxOnArrival

Test Id	Description
S3611-01	Message-based mechanism response to ShipCall request for GetActiveHazmatForSelectedShip in order to obtain HazmatTowardNextPort
S3612-01	Message-based mechanism response to ShipCall request for GetActiveSecurityForSelectedShip in order to obtain Security

S3614-01	Message-based mechanism response to ShipCall request for GetActiveBunkersForSelectedShip in order to obtain BunkersTowardNextPort
S3615-01	Message-based mechanism response to ShipCall request for GetActiveCrewAndPaxForSelectedShip in order to obtain CrewAndPaxOnDeparture

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 HazmatTowardPortOfCall (a)	
S3601-03	Message-based mechanism Requesting ShipCall for ExpectedCallOfSelectedShip – Get Security details (b)	
S3601-04	Message-based mechanism Requesting ShipCall for ExpectedCallOfSelectedShip – Get Bunkers details in order to obtain BunkersTowardsPortOfCall (c)	
S3601-05	Message-based mechanism Requesting ShipCall for ExpectedCallOfSelectedShip – Get CrewAndPax details in order to obtain CrewAndPaxOnArrival (d)	
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 Bunkers = “Bunkers 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(d)	Select Get CrewAndPax = “CrewAndPax 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	
Sample XML messages		
S3601-01	<p>Precondition: 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>Input: SSN2MS_ShipCall_Req from SSN requesting ShipCall for ExpectedCallofSelectedShip – Get Hazmat details in order to obtain HazmatTowardPortOfCall</p> <p>Output: MS2SSN_ShipCall_Res from the data provider.</p>	
SSN2MS Request	<pre><?xml version="1.0" encoding="UTF-8"?> <SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-02T11:22:37Z" From="SafeSeaNet" To="SOAPUI_V5_DE_SYS" SSNRefId="957174566" TimeoutValue="60"/> <Body> <Source Requestor="SOAPUI_V5_DE_SC_REQ_ALL"/> <RequiredResponseCriteria> <ShipCallResp GetHazmat="HazmatDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <AdditionalSearchCriteria ShipCallId="SHCL_1627903356416" GetHazmatType="HazmatTowardPortOfCall"/> </SearchCriteria> </RequiredResponseCriteria> </Body> </SSN2MS_ShipCall_Req> </env:Body></pre>	
MS2SSN Response	<pre><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_ShipCall_Res xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-02T11:22:37Z" From="SOAPUI_V5_DE_SYS" To="SafeSeaNet" MSRefId="SOAP_MS_1627903356413" SSNRefId="957174566" StatusCode="OK"/> <Body> <ProvidedResponseCriteria> <ShipCallResp GetHazmat="HazmatDetails"/> <SearchCriteria> <ShipIdentificationCriteria MMSINumber="267250000"/> <AdditionalSearchCriteria ShipCallId="SHCL_1627903356416" GetHazmatType="HazmatTowardPortOfCall"/> </SearchCriteria> </ProvidedResponseCriteria> <QueryResults> <VesselIdentification IMONumber="9332511"/> <VoyageInformation ETDFromPortOfCall="2021-08-02T02:22:36Z" ETAToPortOfCall="2021-08-01T14:22:36Z" ETAToNextPort="2021-08-02T02:22:36Z" LastPort="DEHEI" NextPort="DEHIE" PortOfCall="DEHEN" PortFacilityLocode="DEHGE" PortFacility="0001" PositionInPortOfCall="marine" ShipCallId="SHCL_1627903356416"> <PurposeOfCall CallPurposeCode="10"/> <PurposeOfCall CallPurposeCode="11"/> </VoyageInformation> <HazmatInformation> <HazmatSummary INFShipClass="INF2"> <DG DGClassification="IMDG"/> </HazmatSummary> <HazmatDetails> <Source ProviderOfLastUpdate="SOAPUI_V5_DE_SC_REQ_ALL" LastUpdateReceivedAt="2021-08- 02T11:22:37Z"/> <CargoInformation> <Consignment TransportDocumentID="123ABC" PortOfLoading="DEHGL" PortOfDischarge="DEHEI"> <DPGItem DGClassification="IBC"</pre>	

	<pre> TextualReference="TEST" IMOHazardClass="IBC" PackingGroup="III" FlashPoint="25" MarpolCode="X" TotalNrOfPackages="10" AdditionalInformation="TEST"> <EmS EmSNumber="test"/> <SubsidiaryRisks SubsidiaryRisk="testrisk"/> <TotalQuantityGross UnitOfMeasurement="M3" Quantity="100"/> <TotalQuantityNet UnitOfMeasurement="M3" Quantity="200"/> <TransportEquipmentUnit LocationOnBoard="TEST" NoOfPackages="50" TransUnitId="TESTUNIT"> <QuantityGross UnitOfMeasurement="M3" Quantity="300"/> <QuantityNet UnitOfMeasurement="M3" Quantity="400"/> </TransportEquipmentUnit> <NonTransportEquipmentUnit LocationOnBoard="TEST" NoOfPackages="120"> <QuantityNet UnitOfMeasurement="M3" Quantity="700"/> <QuantityGross UnitOfMeasurement="M3" Quantity="900"/> </NonTransportEquipmentUnit> </DPGItem> </Consignment> </CargoInformation> </HazardDetails> </HazardInformation> </QueryResults> </Body> </MS2SSN_ShipCall_Res> </pre>
Sample XML messages	
S3601-03	<p>Input: SSN2MS_ShipCall_Req from SSN requesting ShipCall for ExpectedCallOfSelectedShip – Get Security details.</p> <p>Output: MS2SSN_ShipCall_Res from the data provider.</p>
SSN2MS Request	<pre> <?xml version="1.0" encoding="UTF-8"?> <SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-04T09:33:49Z" From="SafeSeaNet" To="SOAPUI_V5_DE_SYS" SSNRefId="957176751" TimeoutValue="60"/> <Body> <Source Requestor="SOAPUI_V5_DE_SC_REQ_ALL"/> <RequiredResponseCriteria> <ShipCallResp GetSecurity="SecurityDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <AdditionalSearchCriteria ShipCallId="SHCL_1628069624780"/> </SearchCriteria> </RequiredResponseCriteria> </Body> </SSN2MS_ShipCall_Req> </pre>
MS2SSN Response	<pre> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_ShipCall_Res> <Header Version="5.0" SentAt="2021-08-04T09:33:49Z" From="SOAPUI_V5_DE_SYS" To="SafeSeaNet" MSRefId="SOAP_MS_1628069624777" SSNRefId="957176751" StatusCode="OK"/> <Body> <ProvidedResponseCriteria> <ShipCallResp GetSecurity="SecurityDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <AdditionalSearchCriteria ShipCallId="SHCL_1628069624780"/> </SearchCriteria> </ProvidedResponseCriteria> <QueryResults> <VesselIdentification IMONumber="9332511"/> <VoyageInformation ETDFromPortOfCall="2021-08-06T09:33:44Z" ETAToPortOfCall="2021-08-05T09:33:44Z" ETAToNextPort="2021-08-06T09:33:44Z" LastPort="DEHEI" NextPort="DEHIE" PortOfCall="DEHEN" PortFacilityLocode="DEHGE" PortFacility="0001" PositionInPortOfCall="marine" ShipCallId="SHCL_1628069624780"> <PurposeOfCall CallPurposeCode="10"/> <PurposeOfCall CallPurposeCode="11"/> </pre>

	<pre> </VoyageInformation> <SecurityInformation> <SecuritySummary CurrentSecurityLevel="SL1"> <AgentInPortAtArrival AgentName="agent name" EMail="email@email.com" Fax="+123456789" Phone="+987654321"/> </SecuritySummary> <SecurityDetails ValidISSC="N" ReasonForNoValidISSC="reason for no valid ISSC" ApprovedSecurityPlan="Y" SecurityRelatedMatterToReport="security matter"> <Source ProviderOfLastUpdate="SOAPUI_DE_SYS" LastUpdateReceivedAt="2021-08-02T11:16:44Z"/> <CSO FirstName="cso name" LastName="cso last name" Phone="+987654321" Fax="+123456789" EMail="email@email.com"/> </SecurityDetails> </SecurityInformation> </QueryResults> </Body> </MS2SSN_ShipCall_Res> </pre>
S3601-04	<p>Input: SSN2MS_ShipCall_Req from SSN requesting ShipCall for ExpectedCallOfSelectedShip – Get Bunkers details in order to obtain BunkersTowardsPortOfCall.</p> <p>Output: MS2SSN_ShipCall_Res from the data provider.</p>
SSN2MS Request	<pre> <SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-02T13:04:29Z" From="SafeSeaNet" To="SOAPUI_V5_DE_SYS" SSNRefId="957174701" TimeoutValue="60"/> <Body> <Source Requestor="SOAPUI_V5_DE_SC_REQ_ALL"/> <RequiredResponseCriteria> <ShipCallResp GetBunkers="BunkersDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <AdditionalSearchCriteria ShipCallId="SHCL_1627909468342" GetBunkersType="BunkersTowardsPortOfCall"/> </SearchCriteria> </RequiredResponseCriteria> </Body> </SSN2MS_ShipCall_Req> </pre>
MS2SSN Response	<pre> <MS2SSN_ShipCall_Res xmlns:urn="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-02T13:04:29Z" From="SOAPUI_V5_DE_SYS" To="SafeSeaNet" MSRefId="SOAP_MS_1627909468340" SSNRefId="957174701" StatusCode="OK"/> <Body> <ProvidedResponseCriteria> <ShipCallResp GetBunkers="urn:BunkersDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <AdditionalSearchCriteria ShipCallId="SHCL_1627909468342"/> </SearchCriteria> </ProvidedResponseCriteria> <QueryResults> <VesselIdentification IMONumber="9332511" MMSINumber=""/> <VoyageInformation ETDFromPortOfCall="2021-08-04T13:04:28Z" ETAToPortOfCall="2021-08-03T13:04:28Z" ETAToNextPort="2021-08-05T13:04:28Z" LastPort="DEHEI" NextPort="DEHIE" PortOfCall="DEHEN" PortFacilityLocode="DEHGE" PortFacility="0001" PositionInPortOfCall="marine" ShipCallId="SHCL_1627909468342"> <PurposeOfCall CallPurposeCode="10"/> <PurposeOfCall CallPurposeCode="11"/> </VoyageInformation> <BunkersInformation> <BunkerItem BunkerType="MGO" Quantity="125.7" UnitOfMeasurement="M3"/> </BunkersInformation> </QueryResults> </Body> </MS2SSN_ShipCall_Res> </pre>
S3601-05	<p>Input: SSN2MS_ShipCall_Req from SSN requesting ShipCall for ExpectedCallOfSelectedShip – Get CrewAndPax details in order to obtain CrewAndPaxOnArrival.</p> <p>Output: MS2SSN_ShipCall_Res from the data provider.</p>
SSN2MS Request	<pre> <?xml version="1.0" encoding="UTF-8"?> <SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-02T13:39:53Z" From="SafeSeaNet" </pre>

	<pre> To="SOAPUI_V5_DE_PORT_NOT_CP" SSNRefId="957174776" TimeoutValue="60"/> <Body> <Source Requestor="SOAPUI_V5_DE_PORT_REQ_CP"/> <RequiredResponseCriteria> <ShipCallResp GetCrewAndPax="CrewAndPaxDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <AdditionalSearchCriteria ShipCallId="SHCL_1627911591867" GetCrewAndPaxType="CrewAndPaxOnArrival"/> </SearchCriteria> </RequiredResponseCriteria> </Body> </SSN2MS_ShipCall_Req> </pre>
MS2SSN Response	<pre> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_ShipCall_Res xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-02T13:39:53Z" From="SOAPUI_V5_DE_PORT_NOT_CP" To="SafeSeaNet" MSRefId="SOAP_MS_1627911591864" SSNRefId="957174776" StatusCode="OK"/> <Body> <ProvidedResponseCriteria> <ShipCallResp GetBunkers="BunkersDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <AdditionalSearchCriteria ShipCallId="SHCL_1627911591867" GetCrewAndPaxType="CrewAndPaxOnArrival"/> </SearchCriteria> </ProvidedResponseCriteria> <QueryResults> <VesselIdentification IMONumber="9332511"/> <VoyageInformation ETDFromPortOfCall="2021-08-02T04:39:51Z" ETAToPortOfCall="2021-08-01T16:39:51Z" ETAToNextPort="2021-08-02T04:39:51Z" LastPort="DEHEI" NextPort="DEAAD" PortOfCall="DEBON" PortFacilityLocode="DEHGE" PortFacility="0001" PositionInPortOfCall="marine" ShipCallId="SHCL_1627911591867"> <PurposeOfCall CallPurposeCode="10"/> <PurposeOfCall CallPurposeCode="11"/> </VoyageInformation> <CrewAndPaxInformation> <Source ProviderOfLastUpdate="SOAPUI_V5_DE_PORT_REQ_CP" LastUpdateReceivedAt="2021-08-02T13:39:53Z"/> <CrewAndPaxSummary NumberOfCrew="1" NumberOfPassengers="1"/> <CrewInformation> <CrewMember LastName="LastName1" FirstName="FirstName1" Nationality="DE" DateOfBirth="1982-01-10" Gender="0"/> </CrewInformation> <PassengerInformation> <Passenger LastName="LastName2" FirstName="FirstName2" Nationality="GR" DateOfBirth="1985-01-10" Gender="0"/> </PassengerInformation> </CrewAndPaxInformation> </QueryResults> </Body> </MS2SSN_ShipCall_Res> </pre>

S3611-01	Message-based mechanism response to ShipCall request for GetActiveHazmatForSelectedShip – Get Hazmat details in order to obtain HazmatTowardNextPort (a)	
S3612-01	Message-based mechanism response to ShipCall request for GetActiveSecurityForSelectedShip in order to obtain Security (b)	
S3614-01	Message-based mechanism response to ShipCall request for GetActiveBunkerstForSelectedShip – Get Hazmat details in order to obtain BunkersTowardNextPort (c)	
S3615-01	Message-based mechanism response to ShipCall request for GetActiveCrewAndPaxForSelectedShip – Get Hazmat details in order to obtain CrewAndPaxOnDeparture (d)	
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	A list of vessels that match the identification criteria is displayed.

	on its IMO number hyperlink. Adjust the time period criteria if needed.	
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 Bunkers = "Bunkers 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 (d)	Select Get CrewAndPax = "CrewAndPax 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	
Sample XML messages		
S3611-01	<p>Precondition: A ShipCall for a vessel exists with Hazmat EU departure and having ATD_FROM_PORTOFCALL.</p> <p>Input: SSN2MS_ShipCall_Req from SSN for GetActiveHazmatForSelectedShip – Get Hazmat details.</p> <p>Output: MS2SSN_ShipCall_Res from the data provider.</p>	
SSN2MS Request	<pre><?xml version="1.0" encoding="UTF-8"?> <SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-02T13:46:59Z" From="SafeSeaNet" To="SOAPUI_V5_DE_SYS" SSNRefId="957174808" TimeoutValue="60"/> <Body> <Source Requestor="SOAPUI_V5_DE_SC_REQ_ALL"/> <RequiredResponseCriteria> <ShipCallResp GetHazmat="HazmatDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <AdditionalSearchCriteria ShipCallId="SHCL_1627912017803" GetHazmatType="HazmatTowardNextPort"/> </SearchCriteria> </RequiredResponseCriteria> </Body> </SSN2MS_ShipCall_Req></pre>	
MS2SSN Response	<pre><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_ShipCall_Res xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-02T13:46:59Z" From="SOAPUI_V5_DE_SYS" To="SafeSeaNet" MSRefId="SOAP_MS_1627912017800" SSNRefId="957174808" StatusCode="OK"/> <Body> <ProvidedResponseCriteria> <ShipCallResp GetHazmat="HazmatDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <AdditionalSearchCriteria ShipCallId="SHCL_1627912017803" GetHazmatType="HazmatTowardNextPort"/> </SearchCriteria> </ProvidedResponseCriteria> <QueryResults> <VesselIdentification IMONumber="9332511" MMSINumber="267250000"/> <VoyageInformation ETDFromPortOfCall="2021-08-02T01:46:57Z" ETAToPortOfCall="2021-08-01T17:46:57Z" ETAToNextPort="2021-08-02T01:46:57Z" LastPort="DEHEI" NextPort="DEHIE" PortOfCall="DEHEN" PortFacilityLocode="DEHGE"</pre>	

	<pre> PortFacility="0001" PositionInPortOfCall="marine" ShipCallId="SHCL_1627912017803"> <PurposeOfCall CallPurposeCode="10"/> <PurposeOfCall CallPurposeCode="11"/> </VoyageInformation> <HazmatInformation> <HazmatSummary INFShipClass="INF2"> <DG DGClassification="IMDG"/> </HazmatSummary> <HazmatDetails> <Source ProviderOfLastUpdate="SOAPUI_V5_DE_SC_REQ_ALL" LastUpdateReceivedAt="2021-08- 02T13:46:59Z"/> <CargoInformation> <Consignment TransportDocumentID="123ABC" PortOfLoading="DEHGL" PortOfDischarge="DEHEI"> <DPGItem DGClassification="IBC" TextualReference="TEST" IMOHazardClass="IBC" PackingGroup="III" FlashPoint="25" MarpolCode="X" TotalNrOfPackages="10" AdditionalInformation="TEST"> <EmS EmSNumber="ems"/> <SubsidiaryRisks SubsidiaryRisk="testRisk"/> <TotalQuantityGross UnitOfMeasurement="M3" Quantity="100"/> <TotalQuantityNet UnitOfMeasurement="M3" Quantity="200"/> <TransportEquipmentUnit LocationOnBoard="TLocation" NoOfPackages="50" TransUnitId="TESTUNIT"> <QuantityGross UnitOfMeasurement="M3" Quantity="300"/> <QuantityNet UnitOfMeasurement="M3" Quantity="400"/> </TransportEquipmentUnit> <NonTransportEquipmentUnit LocationOnBoard="NonTLocation" NoOfPackages="120"> <QuantityNet UnitOfMeasurement="M3" Quantity="700"/> <QuantityGross UnitOfMeasurement="M3" Quantity="900"/> </NonTransportEquipmentUnit> </DPGItem> </Consignment> </CargoInformation> </HazmatDetails> </HazmatInformation> </QueryResults> </Body> </MS2SSN_ShipCall_Res </pre>
S3612-01	<p>Precondition: A ShipCall for a vessel exists with SecurityDetails</p> <p>Input: SSN2MS_ShipCall_Req from SSN for GetActiveSecurityForSelectedShip – Get Security details in order to obtain SecurityDetails.</p> <p>Output: MS2SSN_ShipCall_Res from the data provider.</p>
SSN2MS Request	<pre> <?xml version="1.0" encoding="UTF-8"?> <SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-04T09:37:07Z" From="SafeSeaNet" To="SOAPUI_V5_DE_SYS" SSNRefId="957176763" TimeoutValue="60"/> <Body> <Source Requestor="SOAPUI_V5_DE_SC_REQ_ALL"/> <RequiredResponseCriteria> <ShipCallResp GetSecurity="SecurityDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <AdditionalSearchCriteria ShipCallId="SHCL_1628069825517"/> </SearchCriteria> </RequiredResponseCriteria> </Body> </SSN2MS_ShipCall_Req> </pre>

MS2SSN Response	<pre> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_ShipCall_Res xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-04T09:37:07Z" From="SOAPUI_V5_DE_SYS" To="SafeSeaNet" MSRefId="SOAP_MS_1628069825514" SSNRefId="957176763" StatusCode="OK"/> <Body> <ProvidedResponseCriteria> <ShipCallResp GetSecurity="SecurityDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <AdditionalSearchCriteria ShipCallId="SHCL_1628069825517"/> </SearchCriteria> </ProvidedResponseCriteria> <QueryResults> <VesselIdentification IMONumber="9332511"/> <VoyageInformation ETDFromPortOfCall="2021-08-06T09:37:05Z" ETAToPortOfCall="2021-08-05T09:37:05Z" ETAToNextPort="2021-08-06T09:37:05Z" LastPort="DEHEI" NextPort="DEHIE" PortOfCall="DEHEN" PortFacilityLocode="DEHGE" PortFacility="0001" PositionInPortOfCall="marine" ShipCallId="SHCL_1628069825517"> <PurposeOfCall CallPurposeCode="10"/> <PurposeOfCall CallPurposeCode="11"/> </VoyageInformation> <SecurityInformation> <SecuritySummary CurrentSecurityLevel="SL1"> <AgentInPortAtArrival AgentName="agent name" EMail="email@email.com" Fax="+123456789" Phone="+987654321"/> </SecuritySummary> <SecurityDetails ValidISSC="N" ReasonForNoValidISSC="reason for no valid ISSC" ApprovedSecurityPlan="Y" SecurityRelatedMatterToReport="security matter"> <Source ProviderOfLastUpdate="SOAPUI_DE_SYS" LastUpdateReceivedAt="2021-08-02T11:16:44Z"/> </SecurityDetails> <CSO FirstName="cso name" LastName="cso last name" Phone="+987654321" Fax="+123456789" EMail="email@email.com"/> </SecurityInformation> </QueryResults> </Body> </MS2SSN_ShipCall_Res> </pre>
S3614-01	<p>Precondition: A ShipCall for a vessel exists with Bunkers EU departure and having ATD_FROM_PORTOFCALL.</p> <p>Input: SSN2MS_ShipCall_Req from SSN for GetActiveBunkersForSelectedShip – Get Bunkers details in order to obtain BunkersTowardsNextPort.</p> <p>Output: MS2SSN_ShipCall_Res from the data provider.</p>
SSN2MS Request	<pre> <?xml version="1.0" encoding="UTF-8"?> <SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-02T16:13:24Z" From="SafeSeaNet" To="SOAPUI_V5_DE_SYS" SSNRefId="957175262" TimeoutValue="60"/> <Body> <Source Requestor="SOAPUI_V5_DE_SC_REQ_ALL"/> <RequiredResponseCriteria> <ShipCallResp GetBunkers="BunkersDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <AdditionalSearchCriteria ShipCallId="SHCL_1627919911753" GetBunkersType="BunkersTowardsNextPort"/> </SearchCriteria> </RequiredResponseCriteria> </Body> </SSN2MS_ShipCall_Req> </pre>
MS2SSN Response	<pre> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_ShipCall_Res xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-02T16:13:24Z" From="SOAPUI_V5_DE_SYS" To="SafeSeaNet" MSRefId="SOAP_MS_1627920802952" SSNRefId="957175262" StatusCode="OK"/> <Body> <ProvidedResponseCriteria> <ShipCallResp GetBunkers="BunkersDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <AdditionalSearchCriteria ShipCallId="SHCL_1627919911753" </pre>

	<pre> GetBunkersType="BunkersTowardsNextPort"/> </SearchCriteria> </ProvidedResponseCriteria> <QueryResults> <VesselIdentification IMONumber="9332511" MMSINumber=""/> <VoyageInformation ETDFromPortOfCall="2021-08-04T16:13:22Z" ETAToPortOfCall="2021-08-03T16:13:22Z" ETAToNextPort="2021-08-06T16:13:22Z" LastPort="DEHEI" NextPort="DEHIE" PortOfCall="DEHEN" PortFacilityLocode="DEHGE" PortFacility="0001" PositionInPortOfCall="marine" ShipCallId="SHCL_1627919911753"> <PurposeOfCall CallPurposeCode="10"/> <PurposeOfCall CallPurposeCode="11"/> </VoyageInformation> <BunkersInformation> <BunkerItem BunkerType="MGO" Quantity="125.7" UnitOfMeasurement="M3"/> </BunkersInformation> </QueryResults> </Body> </MS2SSN_ShipCall_Res </pre>
S3615-01	<p>Precondition: A ShipCall for a vessel exists with CrewAndPaxOnDeparture and having ATD_FROM_PORTOFCALL.</p> <p>Input: SSN2MS_ShipCall_Req from SSN for GetActiveCrewAndPaxForSelectedShip – Get CrewAndPax details in order to obtain CrewAndPaxOnDeparture.</p> <p>Output: MS2SSN_ShipCall_Res from the data provider.</p>
SSN2MS Request	<pre> <?xml version="1.0" encoding="UTF-8"?> <SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-02T14:09:48Z" From="SafeSeaNet" To="SOAPUI_V5_DE_SYS" SSNRefId="957174917" TimeoutValue="60"/> <Body> <Source Requestor="SOAPUI_V5_DE_SYS"/> <RequiredResponseCriteria> <ShipCallResp GetCrewAndPax="CrewAndPaxDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <AdditionalSearchCriteria ShipCallId="SHCL_1627913387529" GetCrewAndPaxType="CrewAndPaxOnDeparture"/> </SearchCriteria> </RequiredResponseCriteria> </Body> </SSN2MS_ShipCall_Req </pre>
MS2SSN Response	<pre> <MS2SSN_ShipCall_Res xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-02T14:09:48Z" From="SOAPUI_V5_DE_SYS" To="SafeSeaNet" MSRefId="SOAP_MS_1627913387526" SSNRefId="957174917" StatusCode="OK"/> <Body> <ProvidedResponseCriteria> <ShipCallResp GetCrewAndPax="CrewAndPaxDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <AdditionalSearchCriteria ShipCallId="SHCL_1627913387529"/> </SearchCriteria> </ProvidedResponseCriteria> <QueryResults> <VesselIdentification IMONumber="9332511" MMSINumber=""/> <VoyageInformation ETDFromPortOfCall="2021-08-02T02:09:47Z" ETAToPortOfCall="2021-08-01T18:09:47Z" ETAToNextPort="2021-08-05T13:54:59Z" LastPort="DEHEI" NextPort="DEHIE" PortOfCall="DEHEN" PortFacilityLocode="DEHGE" PortFacility="0001" PositionInPortOfCall="marine" ShipCallId="SHCL_1627913387529"> <PurposeOfCall CallPurposeCode="10"/> <PurposeOfCall CallPurposeCode="11"/> </VoyageInformation> <CrewAndPaxInformation> <Source ProviderOfLastUpdate="SOAPUI_V5_DE_PORT_REQ_CP" LastUpdateReceivedAt="2021-08-02T10:30:08Z"/> <CrewAndPaxSummary NumberOfCrew="1" NumberOfPassengers="1"/> <CrewInformation> <CrewMember LastName="LastName1" FirstName="FirstName1" Nationality="DE" DateOfBirth="1982-01-10" Gender="0"/> </CrewInformation> </CrewAndPaxInformation> </QueryResults> </Body> </MS2SSN_ShipCall_Res </pre>

	<pre><PassengerInformation> <Passenger LastName="LastName2" FirstName="FirstName2" Nationality="GR" DateOfBirth="1985-01-10" Gender="0"/> </PassengerInformation> </CrewAndPaxInformation> </QueryResults> </Body> </MS2SSN_ShipCall_Res</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

One of the following profiles need to be assigned in the EMSA Identity Management System (IdM) to a system user responding Ship MRS requests:

- National SSN System (PRF_NAT_SSN)
- National SSN System in Norway (PRF_NAT_SSN_NO) – for Norway only.

EMSA shall define the Provider and Requestor URL in SSN Management Console as shown in Figure 5:



Protocol	Provider Url	Requestor Url	Certificate Name	Delete
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
S0329-01	Message-based mechanism – latest MRS ship notification details – XML message

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

S0329-01	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	
Sample XML messages		
S0329-01	Precondition: A MS2SSN_Ship_Not for a vessel was previously sent. Input: SSN2MS_Ship_Req from SSN. Output: MS2SSN_Ship_Res from the MS.	
SSN2MS Request	<pre><?xml version="1.0" encoding="UTF-8"?> <SSN2MS_Ship_Req xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" SentAt="2021-08-02T10:33:57Z" From="SafeSeaNet" To="SOAPUI_V5_IT_MRS_NOT" SSNRefId="957174219" TimeoutValue="30"/> <Body> <SearchCriteria IMONumber="1000007" ShipNotType="MRS" MRSIdentification="ADRIREP" SenderCountryId="IT"/> </Body> </SSN2MS_Ship_Req></pre>	
MS2SSN Response	<pre><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_Ship_Res xmlns="urn:eu.emsa.ssn"> <Header Version="5.0" MSRefId="SOAP_MS_1627900436906" SSNRefId="957174219" SentAt="2021-08-02T10:33:57Z" From="SOAPUI_V5_IT_MRS_NOT" To="SafeSeaNet" StatusCode="OK"/> <Body> <SearchCriteria IMONumber="1000007" ShipNotType="MRS"/> <VesselIdentification IMONumber="1000007"/> <MRSNotificationDetails> <MRSInformation MRSIdentification="ADRIREP"/> <MRSVoyageInformation NextPortOfCall="GRPIR" ETA="2021-09- 02T10:33:56Z" TotalPersonsOnBoard="35" AnyDG="N" Latitude="90" Longitude="45" ReportingDateAndTime="2021-08-02T10:33:56Z"/> <MRSDynamicInformation COG="3600" SOG="1023" NavigationalStatus="8"> <Bunker Chars="BUNKER" Quantity="10"/> </MRSDynamicInformation> <MRSCargoInformation CargoType="CARGOTYPE"> <DG> <DGDDetails IMOClass="6.1" Quantity="1530"/> </DG> <ContactDetails ContactName="Gsax"/> </MRSCargoInformation> </MRSNotificationDetails> </Body></pre>	

</MS2SSN_Ship_Res>

6. TEST SCENARIOS FOR PHASE 2

After the successful completion of the first phase the Member States shall choose either Option 1 (additional verification in EMSA Pre-Production system) or Option 2 (initial checks in Production environment) for the Phase 2 of the Commissioning Tests. EMSA will perform the validation of this set of data.

EMSA will compare data provided in SSN V4 and SSN V5 in order to check:

- Number of ship calls reported;
- Hazmat, Security, Waste and Bunkers (if applicable) reporting;
- Rejected notifications;
- Provision of the Actual Time of Arrival and the Actual Time of Departure.

The aim of these checks is to ensure that the data provided in V5 format is at least of the same quality as the data previously provided (V4).

Upon the successful completion of the second phase EMSA will confirm that the national SSN system is ready to operate in the Production environment. The validation report will be included as part of the WoB document.