

Member State Commissioning Plan

Part B – Ancillary Test Cases

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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 process.

1.1. PRELIMINARY REMARKS

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

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

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

This commissioning test plan document supports the following objectives:

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

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

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

- national SSN systems administrators;
 - members of the Testing Team;
 - EMSA personnel involved with the SSN project;
 - any person involved in the deployment of SSN, and;
 - MSS operators.
-

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 1.1.2, 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	MS2SSN_PortPlus_Not
Response to ShipCall requests with PortPlus notification details – Hazmat, Waste and Security	SSN2MS_ShipCall_Req MS2SSN_ShipCall_Res
Provision of Ship MRS notifications ¹	MS2SSN_Ship_Not
Response to Ship requests with MRS notification details	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
Request of PortPlus notifications	MS2SSN_ShipCall_Req SSN2MS_ShipCall_Res
Request of Ship MRS notifications	MS2SSN_Ship_Req SSN2MS_Ship_Res MS2SSN_Ship_List_Req SSN2MS_Ship_List_Res
Request of Ship AIS notifications	MS2SSN_Ship_Req SSN2MS_Ship_Res
Provision of Exemptions notifications	MS2SSN_Exemption_Not

Notes:

⁽¹⁾ 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	3.05
A2	IFCD	Interface and Functionalities Control Document	1.1.2
A3	SSN-MSCTP-Report	Member State Commissioning Test Report template	1.96

1.3. TERMINOLOGY

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

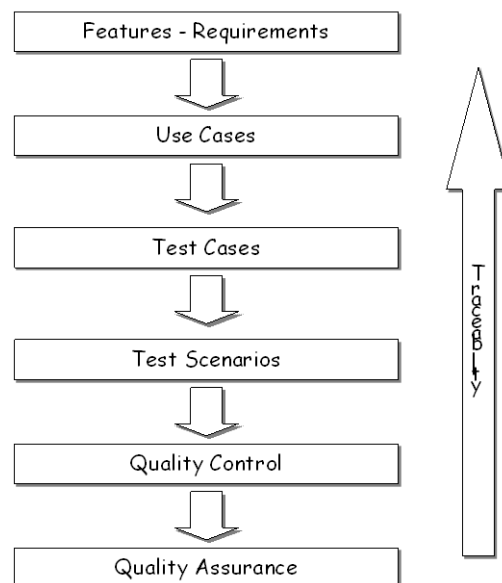
This chapter describes the system elements identified as targets for testing, classified according to the different types of test.

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 B – Ancillary test cases and the type(s) of test(s) to be carried out:

Use Case	Description	Type of test
Send Notification	Provision of Incident Report notification or feedback	FT
Get PortPlus Notification Details	Request of PortPlus Notification	FT
Get Ship Notification Details	Request of Ship Notification (AIS and MRS)	FT
Get notification of distributed Incident report	Reception of distributed Incident Report notification or feedback	FT
Request/ Receive IR details	Request of Incident Report notification or feedback	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.

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

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. 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.

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> : Provide technical direction Acquire appropriate resources Provide management reporting
Test Designer	1	Central SSN	Identifies, prioritises, and implements test cases. <u>Responsibilities</u> : Generate test plan Generate test model Evaluate effectiveness of test effort
Tester	1	MS	Executes the tests. <u>Responsibilities</u> : 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> : Administer test management system Install and manage access to test systems
Dbase Administrator, Dbase Manager	1	Both	Ensures test data (database) environment and assets are managed and maintained. <u>Responsibilities</u> : 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

Request to access the SSN Training environment

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

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

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

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

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

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

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

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

Access to the central SSN system and acquisition of digital certificates

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

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

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

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

- Via internet:

[https://eis-training.emsa.europa.eu:448/ssn-xmlprotocol-v3-
ws/ssnmessageservice](https://eis-training.emsa.europa.eu:448/ssn-xmlprotocol-v3-
ws/ssnmessageservice)

- Via TESTA:

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

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

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

To test 2-way SSL for sending and receiving data request (MS2SSN_<type>_Req & SSN2MS_<type>_Req) and response (MS2SSN_<type>_Res & SSN2MS_<type>_Res) messages to/from the central SSN system, the following actions must be carried out:

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

Preliminary tests

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

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

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

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

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

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

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 S1220-07 are given in the form of the XML message below:

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

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

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

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

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

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

Request to EMSA before

A request for booking the SSN Training environment should be submitted by the relevant NCA to MSS when all of the aforementioned preliminary

launching the tests	<p>actions have been completed, and users are ready to begin the formal commissioning test.</p> <p>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.</p> <p>Depending on the availability of such environment, the MSS may issue a confirmation, or propose an alternative date.</p> <p>When a Member State is ready to begin testing, the MSS should be informed by telephone or email.</p> <p>During the commissioning tests, the MSS can be contacted to provide assistance in executing the test scenarios, or for clarification.</p> <p>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.</p>
Test Cycle	<p>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.</p> <p>Each test cycle involves the Member State in following 4 consecutive actions:</p> <p><u>Action 1</u>: Test Initiation</p> <p><u>Action 2</u>: Test Execution</p> <p><u>Action 3</u>: Test Reporting</p> <p><u>Action 4</u>: Test conclusion by EMSA</p>
Test Cycle Workflow	<hr/> <p>Figure 1 summarises the key elements in the test cycle workflow:</p>

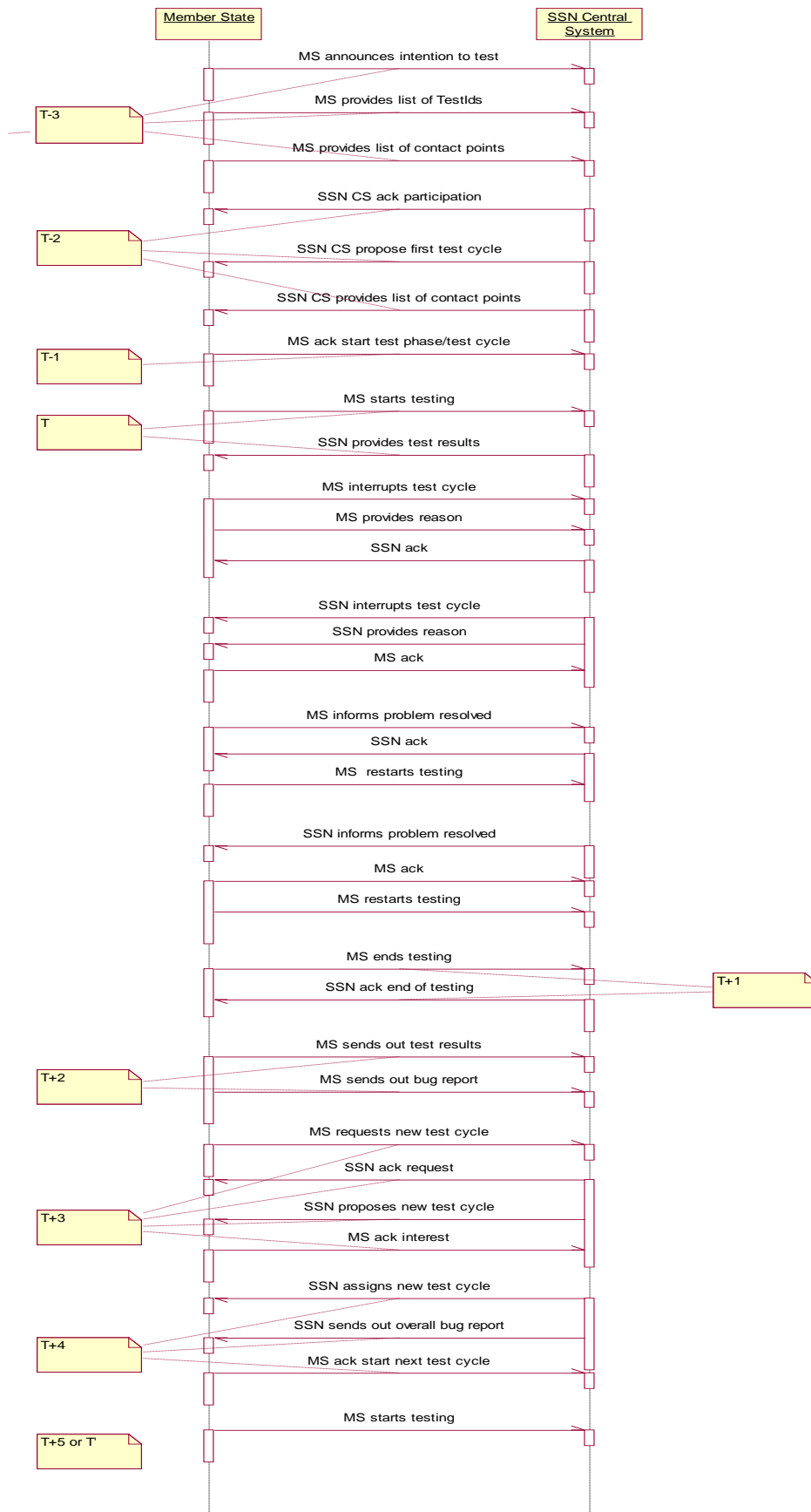


Figure 1 - Test Cycle Workflow

4.3. TEST EXECUTION

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-S1220-07 indicates that Norway is executing test scenario S1220-07 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"?>
<ssn:MS2SSN_PortPlus_Not xmlns:ssn="urn:eu.emsa.ssn"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <ssn:Header From="GRPIR01" MSRefId="MS2SSN_PP_S1601-01"
    SentAt="2010-05-18T14:27:26Z" To="SafeSeaNet"
    Version="3.0" />
  <ssn:Body>
    <ssn:NotificationStatus UpdateStatus="N">
    </ssn:NotificationStatus>
    <ssn:Notification>
      <ssn:VesselIdentification IMONumber="9332511" />
      <ssn:VoyageInformation PortOfCall="GRPIR"
        ETAToPortOfCall="2010-02-02T12:00:00Z"
        ETDFromPortOfCall="2010-02-03T12:00:00Z"
        PositionInPortOfCall="MARINE"
        ShipCallId="shipCallIdTEST001a"
        ETAToNextPort="2010-02-03T22:00:00Z"
        LastPort="PTLIS" NextPort="BEOST"
        ETDFromLastPort="2010-02-01T12:00:00Z" />
      <ssn:PreArrival3DaysNotificationDetails
        CargoVolumeNature="fuel"
        ConditionCargoBallastTanks="inerted"
        PlannedWorks="Maintenance"
        PlannedOperations="unloading"
        PossibleAnchorage="Y"
        ShipConfiguration="SHT" />
    </ssn:Notification>
  </ssn:Body>
</ssn:MS2SSN_PortPlus_Not>
```

Test Scenario Contents

Each test scenario contains the following:

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

Test Users

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

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

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

**Testing
through
Message-
based
mechanism**

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

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

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

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

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 INCIDENT REPORT NOTIFICATION OR FEEDBACK

User configuration

Prior to the launch of the commissioning tests for the IR Message-based mechanism, all MSs are invited to configure their users (persons or authorities) using the SSN management console in the training environment.

The following points should be noted:

- a. In the training environment, SSN NCAs are required to configure the authorities/persons who are allowed to send or receive IRs via XML/SOAP or email. MSs may choose to implement the new IR protocol, or to use the Central SSN web interface. In both cases, users must be configured via the SSN management console.
- b. A data recipient can receive messages via XML/SOAP or email or both.

Using the SSN management console, emails can be distributed to different users for each specific incident type (e.g. user "A" may receive only SITREPS, user "B" only POLREPs, etc). To avoid "spamming" to the real email boxes, MSs can create specific email addresses (for testing purpose) in order to receive distributed IRs via email.

When configuring email addresses, at least one should be valid¹, one invalid² and another (valid) must simulate the NCA 24/7.

The central SSN system shall:

- verify the IR messaging distribution;
 - send a consolidated acknowledgement to the data provider (SSN2MS_IncidentDetail_Tx_Ack), and;
 - send emails to the relevant NCA 24/7 and the MSS should there be a failure in the distribution process.
- c. MSs wishing to implement the protocol in accordance with XML RG 2.08 should configure a valid XML or SOAP address for the transmission/receipt of IR messages.

Users set-up

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

- For users providing messages via the XML/SOAP or central SSN web interfaces, the permissions for the types of IRs that users are allowed to notify shall be quoted.
- Figure 2 shows an example whereby the NCA allows a user to

¹ A valid address is one properly formatted (as per SMTP protocol) and the e-mail account is actually used in the organisation of the user e.g. testIRdistributionSITREP@icg.it corresponds to a possible e-mail box configured to receive test SITREPs in the ICG server. It is suggested to create one email user per IR type.

² An invalid address is one properly formatted (as per the SMTP protocol) but corresponding to a non-existent email user in the Authority's server. It is suggested to create one email user per IR type.

notify only SITREP and POLREP IRs.

Task Code ▲	Task Description ▲	<input type="checkbox"/>	Location Restriction
ALERT_BANNED_NOTIFIER (OPTIONS_MS)	Send Banned Ship Alert Notifications	<input type="checkbox"/>	
ALERT_FAILED_NOTIFIER (OPTIONS_MS)	Send Failed Notification Alert Notifications	<input type="checkbox"/>	
ALERT_INSURANCE_NOTIFIER (OPTIONS_MS)	Send Insurance Failure Alert Notifications	<input type="checkbox"/>	
ALERT_LFC_NOTIFIER (OPTIONS_MS)	Send Lost And Found Alert Notifications	<input type="checkbox"/>	
ALERT_OTHERS_NOTIFIER (OPTIONS_MS)	Send Others Alert Notifications	<input type="checkbox"/>	
ALERT_PILOT_NOTIFIER (OPTIONS_MS)	Send Pilot or Port Report Alert Notifications	<input type="checkbox"/>	
ALERT_POLREP_NOTIFIER (OPTIONS_MS)	Send POLREP Alert Notifications	<input checked="" type="checkbox"/>	
ALERT_SITREP_NOTIFIER (OPTIONS_MS)	Send SITREP Alert Notifications	<input checked="" type="checkbox"/>	
ALERT_VTS_NOTIFIER (OPTIONS_MS)	Send VTS Rules Infringement Alert Notifications	<input type="checkbox"/>	
ALERT_WASTE_NOTIFIER (OPTIONS_MS)	Send Waste Alert Notifications	<input type="checkbox"/>	

Figure 2 – Configuration of a user (e.g. SITREP and POLREP data provider)

Use cases list

For the purpose of commissioning tests for the new IR data exchange mechanism, the use cases identified in the table below should be used.

Ref	Description	Systems utilised for the commissioning tests	Notes
UC-IR-1	Provision of IR notification or feedback via XML or SOAP interface.	MS application acting as data provider Central SSN system	Recipients for both IR and feedback will be identified in the relevant distribution element of the notification sent by the data provider. The central SSN system shall distribute the messages depending on the configuration made by the MSs in the management console. The MS acting as a data provider will receive the consolidated XML acknowledgement message.

The data provider sends this message to notify SSN that the Member State has information related to an incident (e.g. new IR notification, update of a notification, new feedback report or update to a feedback report). The incident workflow includes the following key items:

- Distribution (or not) of an Incident report or its updates to the MSs selected by the data provider and defined in the notification

message.

- Provision of feedback from an MS³ (StatusReason="U" or StatusReason="D" can only be used by the originator of the feedback).
- The possibility to link different IRs related to the same event.
- The notification, including all the details (in XML or as an attached document).

Systems involved This diagram depicts the systems involved in the commissioning tests and the message flows for this use case⁴.

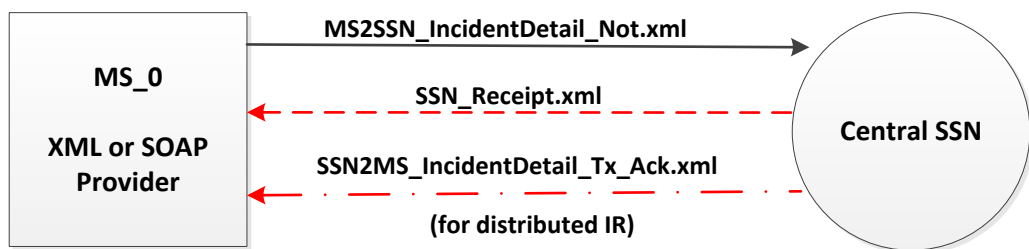


Figure 3 – Systems involved in the commissioning tests (UC-IR-1)

Test Cases

The following test cases shall be executed during the commissioning tests.

Those test cases indicated as mandatory shall be carried out while the remaining ones may be performed on the voluntary basis

Test Case Id	Description
TC 3701	Message-based mechanism sending new IR notification - Normal flow Successful (Distributed)
T 3702	Message-based mechanism sending new IR notification - Normal flow Successful (Not Distributed)
TC-3703	Message-based mechanism sending new Feedback on IR (Distributed)
TC-3704	Message-based mechanism sending new Feedback on IR (Not Distributed)
TC-3705	Message-based mechanism updating an IR notification (Distributed)
TC-3706	Message-based mechanism updating an IR notification (Not Distributed)
TC-3707	Message-based mechanism updating a feedback on IR (Distributed)
TC-3708	Message-based mechanism updating a feedback on IR (Not Distributed)
TC-3709	Message-based mechanism deleting a IR notification (Distributed)
TC-3710	Message-based mechanism deleting a IR notification (Not Distributed)
TC-3711	Message-based mechanism deleting a Feedback on IR (Distributed)
TC-3712	Message-based mechanism deleting a Feedback on IR (Not Distributed)
TC-3713	Message-based mechanism sending a notification – Invalid message

Test scenarios

The above test cases are detailed in the following test scenarios:

³ The initial IR data provider is allowed to send feedback.

⁴ MS_0 is the original IR provider via XML or SOAP

TC – 3701 Scenarios XML or SOAP⁵ interface sending new notification– Normal flow successful (Distributed)		
Mandator y for MS	TestId	Description
X	S3701-01	Message-based mechanism sending new IR notification "WASTE" (distributed) - Normal flow Successful
X	S3701-02	Message-based mechanism sending new IR notification "SITREP" (distributed) – 4 vessels are involved (2 EU flag, 1 not-EU flag and 1 not identified) - Normal flow Successful
X	S3701-03	Message-based mechanism sending new IR notification "POLREP" (distributed) – POLREP is associated to a SITREP - Normal flow Successful
X	S3701-04	Message-based mechanism sending new IR notification "LOST&FOUND" (distributed) - Normal flow Successful
X	S3701-05	Message-based mechanism sending new IR notification "FAILED_NOTIFICATION" (distributed) - Normal flow Successful
X	S3701-06	Message-based mechanism sending new IR notification "VTS_RULES_INFRINGEMENT" (distributed) - Normal flow Successful
X	S3701-07	Message-based mechanism sending new IR notification "BANNED_SHIP" (distributed) - Normal flow Successful
X	S3701-08	Message-based mechanism sending new IR notification "INSURANCE_FAILURE" (distributed) - Normal flow Successful
X	S3701-09	Message-based mechanism sending new IR notification "PILOT_PORT_REPORT" (distributed) - Normal flow Successful
X	S3701-10	Message-based mechanism sending new IR notification "OTHER" (distributed) - Normal flow Successful

TC – 3702 Scenarios XML or SOAP interface sending new notification– Normal flow successful (Not Distributed)		
Mandator y for MS	TestId	Description
X	S3702-01	Message-based mechanism sending new IR notification "WASTE" (Not distributed) - Normal flow Successful
--	S3702-02	Message-based mechanism sending new IR notification "SITREP" (Not distributed) – 4 vessels are involved (2 EU flag, 1 not-EU flag and 1 not identified) - Normal flow Successful
--	S3702-03	Message-based mechanism sending new IR notification "POLREP" (Not distributed) – POLREP is associated to a SITREP - Normal flow Successful
--	S3702-04	Message-based mechanism sending new IR notification "LOST&FOUND" (Not distributed) - Normal flow Successful
--	S3702-05	Message-based mechanism sending new IR notification "FAILED_NOTIFICATION" (Not distributed) - Normal flow Successful
--	S3702-06	Message-based mechanism sending new IR notification "VTS_RULES_INFRINGEMENT" (Not distributed) - Normal flow Successful
--	S3702-07	Message-based mechanism sending new IR notification "BANNED_SHIP" (Not distributed) - Normal flow Successful
--	S3702-08	Message-based mechanism sending new IR notification "INSURANCE_FAILURE" (Not distributed) - Normal flow Successful
--	S3702-09	Message-based mechanism sending new IR notification "PILOT_PORT_REPORT" (Not distributed) - Normal flow Successful
--	S3702-10	Message-based mechanism sending new IR notification "OTHER" (Not distributed) - Normal flow Successful

⁵ Depending the choice made by a MS to implement the Message-based mechanism utilising the XML or SOAP variant of the system2system interface.

TC – 3703 Scenarios XML or SOAP interface sending new Feedback on IR (Distributed)		
Mandatory for MS	TestId	Description
X	S3703-01	Message-based mechanism sending new feedback on "WASTE" (distributed) - Normal flow Successful
X	S3703-02	Message-based mechanism sending new feedback on "SITREP" (distributed) - Normal flow Successful
X	S3703-03	Message-based mechanism sending new feedback on "POLREP" (distributed) - Normal flow Successful
X	S3703-04	Message-based mechanism sending new feedback on "LOST&FOUND" (distributed) - Normal flow Successful
X	S3703-05	Message-based mechanism sending new feedback on "FAILED_NOTIFICATION" (distributed) - Normal flow Successful
X	S3703-06	Message-based mechanism sending new feedback on "VTS_RULES_INFRINGEMENT" (distributed) - Normal flow Successful
X	S3703-07	Message-based mechanism sending new feedback on "BANNED_SHIP" (distributed) - Normal flow Successful
X	S3703-08	Message-based mechanism sending new feedback on "INSURANCE_FAILURE" (distributed) - Normal flow Successful
X	S3703-09	Message-based mechanism sending new feedback on "PILOT_PORT_REPORT" (distributed) - Normal flow Successful
X	S3703-10	Message-based mechanism sending new feedback on "OTHER" (distributed) - Normal flow Successful

TC – 3704 Scenarios XML or SOAP interface sending new Feedback on IR (Not Distributed)		
Mandatory for MS	TestId	Description
X	S3704-01	Message-based mechanism sending new feedback on "SITREP" (Not distributed) - Normal flow Successful
--	S3704-02	Message-based mechanism sending new feedback on "WASTE" (Not distributed) - Normal flow Successful
--	S3704-03	Message-based mechanism sending new feedback on "POLREP" (Not distributed) - Normal flow Successful
--	S3704-04	Message-based mechanism sending new feedback on "LOST&FOUND" (Not distributed) - Normal flow Successful
--	S3704-05	Message-based mechanism sending new feedback on "FAILED_NOTIFICATION" (Not distributed) - Normal flow Successful
--	S3704-06	Message-based mechanism sending new feedback on "VTS_RULES_INFRINGEMENT" (Not distributed) - Normal flow Successful
--	S3704-07	Message-based mechanism sending new feedback on "BANNED_SHIP" (Not distributed) - Normal flow Successful
--	S3704-08	Message-based mechanism sending new feedback on "INSURANCE_FAILURE" (Not distributed) - Normal flow Successful
--	S3704-09	Message-based mechanism sending new feedback on "PILOT_PORT_REPORT" (Not distributed) - Normal flow Successful
--	S3704-10	Message-based mechanism sending new feedback on "OTHER" (Not distributed) - Normal flow Successful

TC – 3705 Scenarios XML or SOAP interface updating a IR notification (Distributed)		
Mandatory for MS	Test Id	Description
X	S3705-01	Message-based mechanism updating IR notification "WASTE" (distributed) - Normal flow Successful
X	S3705-02	Message-based mechanism updating IR notification "SITREP" (distributed) – 4 vessels are involved (2 EU flag, 1 not-EU flag and 1 not identified) - Normal flow Successful
X	S3705-03	Message-based mechanism updating IR notification "POLREP" (distributed) – POLREP is associated to a SITREP - Normal flow Successful

X	S3705-04	Message-based mechanism updating IR notification "LOST&FOUND" (distributed) - Normal flow Successful
X	S3705-05	Message-based mechanism updating IR notification "FAILED_NOTIFICATION" (distributed) - Normal flow Successful
X	S3705-06	Message-based mechanism updating IR notification "VTS_RULES_INFRINGEMENT" (distributed) - Normal flow Successful
X	S3705-07	Message-based mechanism updating IR notification "BANNED_SHIP" (distributed) - Normal flow Successful
X	S3705-08	Message-based mechanism updating IR notification "INSURANCE_FAILURE" (distributed) - Normal flow Successful
X	S3705-09	Message-based mechanism updating IR notification "PILOT_PORT_REPORT" (distributed) - Normal flow Successful
X	S3705-10	Message-based mechanism updating IR notification "OTHER" (distributed) - Normal flow Successful
X	S3705-11	Message-based mechanism updating IR notification e.g. "SITREP" (distributed) – IR not found

TC – 3706 Scenarios		
XML or SOAP interface updating a IR notification (Not Distributed)		
Mandatory for MS	Test Id	Description
X	S3706-01	Message-based mechanism updating IR notification "WASTE" (Not distributed) - Normal flow Successful
--	S3706-02	Message-based mechanism updating IR notification "SITREP" (Not distributed) – 4 vessels are involved (2 EU flag, 1 not-EU flag and 1 not identified) - Normal flow Successful
--	S3706-03	Message-based mechanism updating IR notification "POLREP" (Not distributed) – POLREP is associated to a SITREP - Normal flow Successful
--	S3706-04	Message-based mechanism updating IR notification "LOST&FOUND" (Not distributed) - Normal flow Successful
--	S3706-05	Message-based mechanism updating IR notification "FAILED_NOTIFICATION" (Not distributed) - Normal flow Successful
--	S3706-06	Message-based mechanism updating IR notification "VTS_RULES_INFRINGEMENT" (Not distributed) - Normal flow Successful
--	S3706-07	Message-based mechanism updating IR notification "BANNED_SHIP" (Not distributed) - Normal flow Successful
--	S3706-08	Message-based mechanism updating IR notification "INSURANCE_FAILURE" (Not distributed) - Normal flow Successful
--	S3706-09	Message-based mechanism updating IR notification "PILOT_PORT_REPORT" (Not distributed) - Normal flow Successful
--	S3706-10	Message-based mechanism updating IR notification "OTHER" (Not distributed) - Normal flow Successful
--	S3706-11	Message-based mechanism updating IR notification e.g. "SITREP" (Not distributed) – IR not found

TC – 3707 Scenarios		
XML or SOAP interface updating a feedback on IR (Distributed)		
Mandatory for MS	Test Id	Description
X	S3707-01	Message-based mechanism updating feedback on "WASTE" (distributed) - Normal flow Successful
--	S3707-02	Message-based mechanism updating feedback on "SITREP" (distributed) - Normal flow Successful
--	S3707-03	Message-based mechanism updating feedback on "POLREP" (distributed) - Normal flow Successful
--	S3707-04	Message-based mechanism updating feedback on "LOST&FOUND" (distributed) - Normal flow Successful
--	S3707-05	Message-based mechanism updating feedback on "FAILED_NOTIFICATION" (distributed) - Normal flow Successful
--	S3707-06	Message-based mechanism updating feedback on "VTS_RULES_INFRINGEMENT" (distributed) - Normal flow Successful
--	S3707-07	Message-based mechanism updating feedback on "BANNED_SHIP" (distributed) - Normal flow Successful

--	S3707-08	Message-based mechanism updating feedback on "INSURANCE_FAILURE" (distributed) - Normal flow Successful
--	S3707-09	Message-based mechanism updating feedback on "PILOT_PORT_REPORT" (distributed) - Normal flow Successful
--	S3707-10	Message-based mechanism updating feedback on "OTHER" (distributed) - Normal flow Successful
X	S3707-11	Message-based mechanism updating feedback on e.g. "SITREP" (distributed) - Feedback not found

TC – 3708 Scenarios XML or SOAP interface updating a feedback on IR (Not Distributed)		
Mandatory for MS	Test Id	Description
X	S3708-01	Message-based mechanism updating feedback on "SITREP" (Not distributed) - Normal flow Successful
--	S3708-02	Message-based mechanism updating feedback on "WASTE" (Not distributed) - Normal flow Successful
--	S3708-03	Message-based mechanism updating feedback on "POLREP" (Not distributed) - Normal flow Successful
--	S3708-04	Message-based mechanism updating feedback on "LOST&FOUND" (Not distributed) - Normal flow Successful
--	S3708-05	Message-based mechanism updating feedback on "FAILED_NOTIFICATION" (Not distributed) - Normal flow Successful
--	S3708-06	Message-based mechanism updating feedback on "VTS_RULES_INFRINGEMENT" (Not distributed) - Normal flow Successful
--	S3708-07	Message-based mechanism updating feedback on "BANNED_SHIP" (Not distributed) - Normal flow Successful
--	S3708-08	Message-based mechanism updating feedback on "INSURANCE_FAILURE" (Not distributed) - Normal flow Successful
--	S3708-09	Message-based mechanism updating feedback on "PILOT_PORT_REPORT" (Not distributed) - Normal flow Successful
--	S3708-10	Message-based mechanism updating feedback on "OTHER" (Not distributed) - Normal flow Successful
--	S3708-11	Message-based mechanism updating feedback on e.g. "SITREP" (Not distributed) - Feedback not found

TC – 3709 Scenarios XML or SOAP interface deleting a IR notification (Distributed)		
Mandatory for MS	TestId	Description
X	S3709-01	Message-based mechanism deleting IR notification "WASTE" (distributed) - Normal flow Successful
X	S3709-02	Message-based mechanism deleting IR notification "SITREP" (distributed) - 4 vessels are involved (2 EU flag, 1 not-EU flag and 1 not identified) - Normal flow Successful
X	S3709-03	Message-based mechanism deleting IR notification "POLREP" (distributed) - POLREP is associated to a SITREP - Normal flow Successful
X	S3709-04	Message-based mechanism deleting IR notification "LOST&FOUND" (distributed) - Normal flow Successful
X	S3709-05	Message-based mechanism deleting IR notification "FAILED_NOTIFICATION" (distributed) - Normal flow Successful
X	S3709-06	Message-based mechanism deleting IR notification "VTS_RULES_INFRINGEMENT" (distributed) - Normal flow Successful
X	S3709-07	Message-based mechanism deleting IR notification "BANNED_SHIP" (distributed) - Normal flow Successful
X	S3709-08	Message-based mechanism deleting IR notification "INSURANCE_FAILURE" (distributed) - Normal flow Successful
X	S3709-09	Message-based mechanism deleting IR notification "PILOT_PORT_REPORT" (distributed) - Normal flow Successful
X	S3709-10	Message-based mechanism deleting IR notification "OTHER" (distributed) - Normal flow Successful

X	S3709-11	Message-based mechanism deleting IR notification e.g. "SITREP" (distributed) – IR not found
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TC – 3710 Scenarios XML or SOAP interface deleting a IR notification (Not Distributed)		
Mandatory for MS	TestId	Description
X	S3710-01	Message-based mechanism deleting IR notification "WASTE" (Not distributed) - Normal flow Successful
--	S3710-02	Message-based mechanism deleting IR notification "SITREP" (Not distributed) – 4 vessels are involved (2 EU flag, 1 not-EU flag and 1 not identified) - Normal flow Successful
--	S3710-03	Message-based mechanism deleting IR notification "POLREP" (Not distributed) – POLREP is associated to a SITREP - Normal flow Successful
--	S3710-04	Message-based mechanism deleting IR notification "LOST&FOUND" (Not distributed) - Normal flow Successful
--	S3710-05	Message-based mechanism deleting IR notification "FAILED_NOTIFICATION" (Not distributed) - Normal flow Successful
--	S3710-06	Message-based mechanism deleting IR notification "VTS_RULES_INFRINGEMENT" (Not distributed) - Normal flow Successful
--	S3710-07	Message-based mechanism deleting IR notification "BANNED_SHIP" (Not distributed) - Normal flow Successful
--	S3710-08	Message-based mechanism deleting IR notification "INSURANCE_FAILURE" (Not distributed) - Normal flow Successful
--	S3710-09	Message-based mechanism deleting IR notification "PILOT_PORT_REPORT" (Not distributed) - Normal flow Successful
--	S3710-10	Message-based mechanism deleting IR notification "OTHER" (Not distributed) - Normal flow Successful
--	S3710-11	Message-based mechanism deleting IR notification e.g. "SITREP" (Not distributed) – IR not found

TC – 3711 Scenarios XML or SOAP interface deleting a Feedback on IR (Distributed)		
Mandatory for MS	TestId	Description
X	S3711-01	Message-based mechanism deleting feedback on "WASTE" (distributed) - Normal flow Successful
--	S3711-02	Message-based mechanism deleting feedback on "SITREP" (distributed) - Normal flow Successful
--	S3711-03	Message-based mechanism deleting feedback on "POLREP" (distributed) - Normal flow Successful
--	S3711-04	Message-based mechanism deleting feedback on "LOST&FOUND" (distributed) - Normal flow Successful
--	S3711-05	Message-based mechanism deleting feedback on "FAILED_NOTIFICATION" (distributed) - Normal flow Successful
--	S3711-06	Message-based mechanism deleting feedback on "VTS_RULES_INFRINGEMENT" (distributed) - Normal flow Successful
--	S3711-07	Message-based mechanism deleting feedback on "BANNED_SHIP" (distributed) - Normal flow Successful
--	S3711-08	Message-based mechanism deleting feedback on "INSURANCE_FAILURE" (distributed) - Normal flow Successful
--	S3711-09	Message-based mechanism deleting feedback on "PILOT_PORT_REPORT" (distributed) - Normal flow Successful
--	S3711-10	Message-based mechanism deleting feedback on "OTHER" (distributed) - Normal flow Successful
X	S3711-11	Message-based mechanism deleting feedback on e.g. "SITREP" (distributed) – Feedback not found

TC – 3712 Scenarios XML or SOAP interface deleting a Feedback on IR (Not Distributed)		
Mandatory for MS	TestId	Description
X	S3712-01	Message-based mechanism deleting feedback on "WASTE" (Not distributed) - Normal flow Successful
--	S3712-02	Message-based mechanism deleting feedback on "SITREP" (Not distributed) - Normal flow Successful
--	S3712-03	Message-based mechanism deleting feedback on "POLREP" (Not distributed) - Normal flow Successful
--	S3712-04	Message-based mechanism deleting feedback on "LOST&FOUND" (Not distributed) - Normal flow Successful
--	S3712-05	Message-based mechanism deleting feedback on "FAILED_NOTIFICATION" (Not distributed) - Normal flow Successful
--	S3712-06	Message-based mechanism deleting feedback on "VTS_RULES_INFRINGEMENT" (Not distributed) - Normal flow Successful
--	S3712-07	Message-based mechanism deleting feedback on "BANNED_SHIP" (Not distributed) - Normal flow Successful
--	S3712-08	Message-based mechanism deleting feedback on "INSURANCE_FAILURE" (Not distributed) - Normal flow Successful
--	S3712-09	Message-based mechanism deleting feedback on "PILOT_PORT_REPORT" (Not distributed) - Normal flow Successful
--	S3712-10	Message-based mechanism deleting feedback on "OTHER" (Not distributed) - Normal flow Successful
--	S3712-11	Message-based mechanism deleting feedback on e.g. "SITREP" (Not distributed) – Feedback not found

Regarding the Test Cases TC-3713 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 – 3713 Scenarios XML or SOAP interface sending a notification– Invalid message NOTE: The national systems should not allow sending invalid messages. If an Invalid notification is sent to SSN core the test is 'Failed'.		
Mandatory for MS	TestId	Description
X	S3713-01	Message-based mechanism sending/updating IR - "Feedback" element node not allowed
X	S3713-02	Message-based mechanism sending/updating IR - Invalid "IMO" (<>7 Chars)
X	S3713-03	Message-based mechanism sending/updating IR - Invalid "MMSI" (<>9 Chars)
X	S3713-04	Message-based mechanism sending/updating IR - No attribute "Type"
X	S3713-05	Message-based mechanism sending/updating IR - No attribute "IncidentID"
X	S3713-06	Message-based mechanism sending IR - Same "IncidentID" as a previous one
X	S3713-07	Message-based mechanism sending/updating IR - No attribute "UpdateStatus"

X	S3713-08	Message-based mechanism sending/updating IR - No attributes "IMO" or "MMSI" or "IRNumber_FishingVessel" if "Type"="WasteIncident" - "FailedNotification", "VTSRulesInfringement" - "BannedShip" - "ResultInspection" - "InsuranceFailure" - "PiloOrPortReport"
X	S3713-09	Message-based mechanism sending/updating IR - No attribute "DescribeVessel" if "IMO" or "MMSI" or "IRNumber_FishingVessel" are not provided
X	S3713-10	Message-based mechanism sending/updating IR - No attribute "DistributionIR_yes_no"
X	S3713-11	Message-based mechanism sending/updating IR - No attributes "RecipientCountry" or "IRDistributionToFlagState" if "DistributionIR_yes_no"=YES (if the vessel is identified and EU flag)
X	S3713-12	Message-based mechanism sending/updating IR - No attributes "URL" nor "DocType" if no "LoCode" nor "Phone" nor "Fax" are quoted (if the CargoManifest element is provided)
X	S3713-13	Message-based mechanism sending/updating IR - No attributes "LoCode" nor "Phone" nor "Fax" if "URL" and "DocType" are not quoted (if the CargoManifest element is provided)
X	S3713-14	Message-based mechanism sending/updating IR - No attributes "Longitude" nor "Latitude" are quoted if no "GeographicArea" nor "Bearing" nor "Distance" nor "Mark" are quoted (if "ShipPositionAtTimeOfIncident" element is provided)
X	S3713-15	Message-based mechanism sending/updating IR - Only one attribute from "Longitude" or "Latitude" is quoted if no "GeographicArea" nor "Bearing" nor "Distance" nor "Mark" are quoted (if "ShipPositionAtTimeOfIncident" element is provided)
X	S3713-16	Message-based mechanism sending/updating IR - No attribute "GeographicArea" is quoted if no "Longitude" nor "Latitude" nor "Bearing" nor "Distance" nor "Mark" are quoted (if "ShipPositionAtTimeOfIncident" element is provided)
X	S3713-17	Message-based mechanism sending/updating IR - No attributes "Bearing" nor "Distance" nor "Mark" are quoted if no "Longitude" nor "Latitude" nor "GeographicArea" are quoted (if "ShipPositionAtTimeOfIncident" element is provided)
X	S3713-18	Message-based mechanism sending/updating IR - Only one or two attributes from "Bearing", "Distance" or "Mark" are quoted if no "Longitude" nor "Latitude" nor "GeographicArea" are quoted (if "ShipPositionAtTimeOfIncident" element is provided)
X	S3713-19	Message-based mechanism sending/updating IR - No attributes "Longitude" nor "Latitude" are quoted if no "GeographicArea" nor "Bearing" nor "Distance" nor "Mark" are quoted (if "ShipPositionAtTimeOfReporting" element is provided)
X	S3713-20	Message-based mechanism sending/updating IR - Only one attribute from "Longitude" or "Latitude" is quoted if no "GeographicArea" nor "Bearing" nor "Distance" nor "Mark" are quoted (if "ShipPositionAtTimeOfReporting" element is provided)
X	S3713-21	Message-based mechanism sending/updating IR - No attribute "GeographicArea" is quoted if no "Longitude" nor "Latitude" nor "Bearing" nor "Distance" nor "Mark" are quoted (if "ShipPositionAtTimeOfReporting" element is provided)
X	S3713-22	Message-based mechanism sending/updating IR - No attributes "Bearing" nor "Distance" nor "Mark" are quoted if no "Longitude" nor "Latitude" nor "GeographicArea" are quoted (if "ShipPositionAtTimeOfReporting" element is provided)
X	S3713-23	Message-based mechanism sending/updating IR - Only one or two attributes from "Bearing", "Distance" or "Mark" are quoted if no "Longitude" nor "Latitude" nor "GeographicArea" are quoted (if "ShipPositionAtTimeOfReporting" element is provided)
X	S3713-24	Message-based mechanism sending/updating IR - No "SSNUserID" attribute is quoted if no "AuthorityName" nor "LoCode" nor "Phone" nor "Fax" attributes are provided
X	S3713-25	Message-based mechanism sending/updating IR - No "AuthorityName" nor "LoCode" nor "Phone" nor "Fax" attributes are quoted if "SSNUserID" attribute is not provided
X	S3713-26	Message-based mechanism sending/updating IR - Only three or less attributes from "AuthorityName", "LoCode", "Phone" and "Fax" attributes are provided (Element: "IdentificationOfAuthority")
X	S3713-27	Message-based mechanism sending/updating IR - No "DocType" nor "Base64Content" if IR details are not provided via XML (i.e. IncidentDetails element not quoted)

X	S3713-28	Message-based mechanism sending/updating IR (WASTE) - If attribute "Type"=WASTE then all other elements child of IncidentDetail (except "WasteIncidentInformation") are not allowed
X	S3713-29	Message-based mechanism sending/updating IR (WASTE) - Only one or two attributes from "WasteDeliveryDuePort", "ETD" and "InspectionReason" are provided (element: "NonComplianceInformation")
X	S3713-30	Message-based mechanism sending/updating IR (WASTE) - Attribute "Deficiencies" is not quoted if "ActionTaken" is provided
X	S3713-31	Message-based mechanism sending/updating IR (WASTE) - Attribute "ActionTaken" is not quoted if "Deficiencies" is provided
X	S3713-32	Message-based mechanism sending/updating IR (WASTE) - No "Name" nor "Phone" attributes are quoted
X	S3713-33	Message-based mechanism sending/updating IR (SITREP) - If attribute "Type"=SITREP then all other elements child of IncidentDetail (except "SITREPIncidentInformation") are not allowed
X	S3713-34	Message-based mechanism sending/updating IR (SITREP) - No "MessageType" is quoted
X	S3713-35	Message-based mechanism sending/updating IR (SITREP) - "NotifiedAt" attribute missing or not technically formatted
X	S3713-36	Message-based mechanism sending/updating IR (SITREP) - No "Nature" attribute is quoted
X	S3713-37	Message-based mechanism sending/updating IR (SITREP) - No "J_InitialActionTaken" attribute is quoted
X	S3713-38	Message-based mechanism sending/updating IR (POLREP) - If attribute "Type"=POLREP then all other elements child of IncidentDetail (except "POLREPIncidentInformation") are not allowed
X	S3713-39	Message-based mechanism sending/updating IR (POLREP) - "P1_DateTime" not technically formatted
X	S3713-40	Message-based mechanism sending/updating IR (POLREP) - "P1_DateTime" missing (if "POLINF" and "POLFAC" elements are not provided)
X	S3713-41	Message-based mechanism sending/updating IR (POLREP)- No attributes "Longitude" nor "Latitude" are quoted if no "GeographicArea" nor "Bearing" nor "Distance" nor "Mark" are provided (if "POLINF" and "POLFAC" elements are not provided)
X	S3713-42	Message-based mechanism sending/updating IR (POLREP) - No "Longitude" if "Latitude" is quoted
X	S3713-43	Message-based mechanism sending/updating IR (POLREP) - No "Latitude" if "Longitude" is quoted
X	S3713-44	Message-based mechanism sending/updating IR (POLREP) - No attribute "GeographicArea" is quoted if no "Longitude" nor "Latitude" nor "Bearing" nor "Distance" nor "Mark" are quoted (if "POLINF" and "POLFAC" elements are not provided)
X	S3713-45	Message-based mechanism sending/updating IR (POLREP) - No attributes "Bearing" nor "Distance" nor "Mark" are quoted if no "Longitude" nor "Latitude" nor "GeographicArea" are quoted (if "POLINF" and "POLFAC" elements are not provided)
X	S3713-46	Message-based mechanism sending/updating IR (POLREP) - Only one or two attributes from "Bearing", "Distance" or "Mark" are quoted if no "Longitude" nor "Latitude" nor "GeographicArea" are quoted
X	S3713-47	Message-based mechanism sending/updating IR (POLREP) - No "Speed" if "Direction" is quoted ("P44_Wind" element)
X	S3713-48	Message-based mechanism sending/updating IR (POLREP) - "P40_DateTime" not technically formatted
X	S3713-49	Message-based mechanism sending/updating IR (POLREP) - No "Direction" if "Speed" is quoted ("P44_Wind" element)
X	S3713-50	Message-based mechanism sending/updating IR (POLREP) - No "Speed" if "Direction" is quoted ("P45_Tide" element)
X	S3713-51	Message-based mechanism sending/updating IR (POLREP) - No "Direction" if "Speed" is quoted ("P45_Tide" element)
X	S3713-52	Message-based mechanism sending/updating IR (POLREP) - No "WaveHeight" if "P46_SeaState" element is quoted
X	S3713-53	Message-based mechanism sending/updating IR (POLREP) - No "DriftCourse" if "DriftSpeed" is quoted ("P47_PollutionDrift" element)
X	S3713-54	Message-based mechanism sending/updating IR (POLREP) - No "DriftSpeed" if "DriftCourse" is quoted ("P47_PollutionDrift" element)
X	S3713-55	Message-based mechanism sending/updating IR (POLREP) - No "Name" nor "P50_ActionTaken" if element "P49_ObserverIdentity" is quoted
X	S3713-56	Message-based mechanism sending/updating IR (POLREP) - No "Name" if element "P52_InformedStateOrg" is quoted

X	S3713-57	Message-based mechanism sending/updating IR (POLREP) - "P80_DateTime" not technically formatted
X	S3713-58	Message-based mechanism sending/updating IR (POLREP) - No "Name" if element "P85_InformedStateOrg" is quoted
X	S3713-59	Message-based mechanism sending/updating IR (LOST&FOUND) - If attribute "Type"=LOSTFOUND then all other elements child of IncidentDetail (except "LostFoundObjectIncidentInformation") are not allowed
X	S3713-60	Message-based mechanism sending/updating IR (LOST&FOUND) - No "DateTimeReportLostFoundObject" attribute
X	S3713-61	Message-based mechanism sending/updating IR (LOST&FOUND) - No "P1_ReportType" attribute
X	S3713-62	Message-based mechanism sending/updating IR (LOST&FOUND) - No attributes "IMO" nor "MMSI" nor "Other"
X	S3713-63	Message-based mechanism sending/updating IR (LOST&FOUND) - No attributes "Longitude" nor "Latitude" are quoted if no "GeographicArea" nor "Bearing" nor "Distance" nor "Mark" are provided
X	S3713-64	Message-based mechanism sending/updating IR (LOST&FOUND) - No "Longitude" if "Latitude" is quoted
X	S3713-65	Message-based mechanism sending/updating IR (LOST&FOUND) - No "Latitude" if "Longitude" is quoted
X	S3713-66	Message-based mechanism sending/updating IR (LOST&FOUND) - No attribute "GeographicArea" is quoted if no "Longitude" nor "Latitude" nor "Bearing" nor "Distance" nor "Mark" are quoted
X	S3713-67	Message-based mechanism sending/updating IR (LOST&FOUND) - No attributes "Bearing" nor "Distance" nor "Mark" are quoted if no "Longitude" nor "Latitude" nor "GeographicArea" are quoted
X	S3713-68	Message-based mechanism sending/updating IR (LOST&FOUND) - Only one or two attributes from "Bearing", "Distance" or "Mark" are quoted if no "Longitude" nor "Latitude" nor "GeographicArea" are quoted
X	S3713-69	Message-based mechanism sending/updating IR (LOST&FOUND) - No "Description" attribute if "Object" element is quoted
X	S3713-70	Message-based mechanism sending/updating IR (LOST&FOUND) - No "Speed" if "Direction" is quoted ("Wind" element)
X	S3713-71	Message-based mechanism sending/updating IR (LOST&FOUND) - No "Direction" if "Speed" is quoted ("Wind" element)
X	S3713-72	Message-based mechanism sending/updating IR (LOST&FOUND) - No "Speed" if "Direction" is quoted ("Tide" element)
X	S3713-73	Message-based mechanism sending/updating IR (LOST&FOUND) - No "Direction" if "Speed" is quoted ("Tide" element)
X	S3713-74	Message-based mechanism sending/updating IR (LOST&FOUND) - No "WaveHeight" if "SeaState" element is quoted
X	S3713-75	Message-based mechanism sending/updating IR (LOST&FOUND) - No "DriftCourse" if "DriftSpeed" is quoted ("ObjectDrift" element)
X	S3713-76	Message-based mechanism sending/updating IR (LOST&FOUND) - No "DriftSpeed" if "DriftCourse" is quoted ("ObjectDrift" element)
X	S3713-77	Message-based mechanism sending/updating IR (FAILED_NOTIFICATION) - If attribute "Type"= FailedNotification then all other elements child of IncidentDetail (except "FailedNotificationIncidentInformation") are not allowed
X	S3713-78	Message-based mechanism sending/updating IR (VTS_RULES_INFRINGEMENT) - If attribute "Type"= VTSRulesInfringement then all other elements child of IncidentDetail (except "VTSRulesInfringementIncidentInformation") are not allowed
X	S3713-79	Message-based mechanism sending/updating IR (BANNED_SHIP) - If attribute "Type"= BannedShip then all other elements child of IncidentDetail (except "BannedShipIncidentInformation") are not allowed
X	S3713-80	Message-based mechanism sending/updating IR (INSURANCE_FAILURE) - If attribute "Type"= InsuranceFailure then all other elements child of IncidentDetail (except "InsuranceFailureIncidentInformation") are not allowed
X	S3713-81	Message-based mechanism sending/updating IR (PILOT_PORT_REPORT) - If attribute "Type"= PilotPort then all other elements child of IncidentDetail (except "PilotPortIncidentInformation") are not allowed
X	S3713-82	Message-based mechanism sending/updating IR (OTHER) - If attribute "Type"= Other then all other elements child of IncidentDetail (except "OtherIncidentInformation") are not allowed
X	S3713-83	Message-based mechanism sending/updating feedback - "Incident" element node not allowed

X	S3713-84	Message-based mechanism sending/updating feedback - No attribute "FeedbackID"
X	S3713-85	Message-based mechanism sending feedback - Same "FeedbackID" than a previous one
X	S3713-86	Message-based mechanism sending/updating feedback - No attribute "IncidentID"
X	S3713-87	Message-based mechanism sending/updating feedback - No attribute "UpdateStatus"
X	S3713-88	Message-based mechanism sending/updating feedback - No attribute "UpdateMSRefID"
X	S3713-89	Message-based mechanism sending/updating feedback - No attribute "DistributionFeedback_yes_no"
X	S3713-90	Message-based mechanism sending/updating feedback - No attributes "RecipientCountry" or "FeedbackDistributionToFlagState" if "DistributionIR_yes_no"=YES (if the vessel is identified and its flag participates to SSN)
X	S3713-91	Message-based mechanism sending/updating feedback - No "SSNUserID" attribute is quoted if no "AuthorityName" nor "LoCode" nor "Phone" nor "Fax" attributes are provided
X	S3713-92	Message-based mechanism sending/updating feedback - No "AuthorityName" nor "LoCode" nor "Phone" nor "Fax" attributes are quoted if "SSNUserID" attribute is not provided
X	S3713-93	Message-based mechanism sending/updating feedback -Only three or less attributes from "AuthorityName", "LoCode", "Phone" and "Fax" attributes are provided (Element: "IdentificationOfAuthority")
X	S3713-94	Message-based mechanism sending/updating feedback - No "DocType" nor "Base64Content" if IR details are provided as an attached document
X	S3713-95	Message-based mechanism sending/updating feedback - No "DateTimeReportAction" is quoted if "Details" is provided
X	S3713-96	Message-based mechanism sending/updating feedback - No "Details" is quoted if "DateTimeReportAction" is provided
X	S3713-97	Message-based mechanism updating IR: "Type" of the incident cannot be changed
X	S3713-98	Message-based mechanism sending/updating IR. Validation check: a user quoting "Incident" element cannot provide "Feedback" element for the same message
X	S3713-99	Message-based mechanism sending/updating IR. Validation check: a user quoting "Feedback" element cannot provide "Incident" element for the same message

Scenario details

TC – 3702 Scenarios XML or SOAP interface sending new notification– Normal flow successful (Not Distributed)			
TestId	Description		
S3702-01	Message-based mechanism sending new IR notification "WASTE" (Not distributed) - Normal flow Successful		
S3702-02	Message-based mechanism sending new IR notification "SITREP" (Not distributed) – 4 vessels are involved (2 EU flag, 1 not-EU flag and 1 not identified) - Normal flow Successful		
S3702-03	Message-based mechanism sending new IR notification "POLREP" (Not distributed) – POLREP is associated to a SITREP - Normal flow Successful		
S3702-04	Message-based mechanism sending new IR notification "LOST&FOUND" (Not distributed) - Normal flow Successful		
S3702-05	Message-based mechanism sending new IR notification "FAILED_NOTIFICATION" (Not distributed) - Normal flow Successful		
S3702-06	Message-based mechanism sending new IR notification "VTS_RULES_INFRINGEMENT" (Not distributed) - Normal flow Successful		
S3702-07	Message-based mechanism sending new IR notification "BANNED_SHIP" (Not distributed) - Normal flow Successful		
S3702-08	Message-based mechanism sending new IR notification "INSURANCE_FAILURE" (Not distributed) - Normal flow Successful		
S3702-09	Message-based mechanism sending new IR notification "PILOT_PORT_REPORT" (Not distributed) - Normal flow Successful		
S3702-10	Message-based mechanism sending new IR notification "OTHER" (Not distributed) - Normal flow Successful		
Step	Action/ input	Result/output	Notes

1	NCA App sends out XML message to SSN (Non-distributelid)	Message is sent out	
2	SSN sends back RECEIPT message with status code OK ⁶	SSN sends back XML message with status code OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase.
3	Sender NCA App interprets XML message		
Test Data			
MS2SSN_IncidentDetail_Not	<pre> <MS2SSN_IncidentDetail_Not xmlns:xsi="urn:eu.emsa.ssn" xsi:schemaLocation="urn:eu.emsa.ssn http://twls42.emsa.local:7002/ssn-xmlprotocol-ws/ssnmessageservice/ssn.xsd" xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <Header Version="3.0" SentAt="2013-10-10T05:59:54Z" From="NCASESMA1" To="SafeSeaNet" MSRefId="SLOPES_20131010055954"/> <Body> <Notification> <Incident> <IncidentIdentification Type="SITREP" IncidentID="SE20131010055954"/> <IncidentNotificationStatus UpdateStatus="N"/> <IRDistributionDetails DistributionIR_yes_no="N"> </IRDistributionDetails> <IRVesselIdentificationList> <IRVesselIdentification> <IRVessel_IdentityVerified IMONumber="9557848" MMSINumber="219282000" CallSign="OWGM2" ShipName="LEONORA CHRISTINA" Flag="DK"/> <ShipPositionAtTimeOfIncident> <GeoCoordinates Longitude="12" Latitude="12"/> </ShipPositionAtTimeOfIncident> </IRVesselIdentification> </IRVesselIdentificationList> <AuthorityReportingIncident> <SSNUserIdentifier SSNUserID="NCASESMA1"/> </AuthorityReportingIncident> <IncidentDetails> <SITREPIncidentInformation> <SITREPIncidentInformation> <C_Situation MessageType="Distress" NotifiedAt="2013-10-10T05:59:54Z" Nature="Collision" J_InitialActionTaken="None"/> </SITREPIncidentInformation> </SITREPIncidentInformation> </IncidentDetails> </Incident> </Notification> </Body> </MS2SSN_IncidentDetail_Not> </pre>		
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:SSN_Receipt xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header StatusMessage="The message processed successfully." StatusCode="OK" SSNRefId="346661" MSRefId="SLOPES_20131010055954" Version="3.0" To="NCASESMA1" SentAt="2013-10-10T05:59:54Z" From="SafeSeaNet" /></ssn:SSN_Receipt> </pre>		

TC – 3703 Scenarios XML or SOAP interface sending new Feedback on IR (Distributed)	
TestId	Description
S3703-01	Message-based mechanism sending new feedback on "WASTE" (distributed) - Normal flow Successful
S3703-02	Message-based mechanism sending new feedback on "SITREP" (distributed) - Normal flow Successful
S3703-03	Message-based mechanism sending new feedback on "POLREP" (distributed) - Normal flow Successful

⁶ Note: in case an update message is received prior to the message with UpdateStatus="N" then central SSN will register the notification providing to the sender a "warning" and StatusCode="OK".

S3703-04	Message-based mechanism sending new feedback on "LOST&FOUND" (distributed) - Normal flow Successful		
S3703-05	Message-based mechanism sending new feedback on "FAILED_NOTIFICATION" (distributed) - Normal flow Successful		
S3703-06	Message-based mechanism sending new feedback on "VTS_RULES_INFRINGEMENT" (distributed) - Normal flow Successful		
S3703-07	Message-based mechanism sending new feedback on "BANNED_SHIP" (distributed) - Normal flow Successful		
S3703-08	Message-based mechanism sending new feedback on "INSURANCE_FAILURE" (distributed) - Normal flow Successful		
S3703-09	Message-based mechanism sending new feedback on "PILOT_PORT_REPORT" (distributed) - Normal flow Successful		
S3703-10	Message-based mechanism sending new feedback on "OTHER" (distributed) - Normal flow Successful		
Step	Action/ input	Result/output	Notes
1	NCA App retrieves the relevant IR whose feedback has to be provided (e.g. specific query is run)	Relevant IR is retrieved	Users other than the original IR provider have the right to provide feedback.
2	NCA App sends out XML feedback to SSN	Message is sent out	NCA selects the recipient countries in the distribution element (depending on the configuration in the management console).
3	SSN sends back XML message (receipt) with status code=OK	Sender NCA App receives XML message with status code=OK	SSN receives XML message and logs it SSN validates the format of XML message SSN processes the contents of the XML message SSN stores XML message contents in index dbase
4	SSN prepares and sends a consolidated XML acknowledgement message	XML message is validated against XML schema / well-formed + valid.	SSN distributes feedbackIR to the recipients. Recipient NCAs receive message via XML/SOAP or email depending on their configuration. SSN registers/logs distribution results (OK or NOT OK) for XML/SOAP/email recipients (depending on their configuration in the management console). SSN provides SSN2MS_IncidentDetails_Tx_Ack to the notifier
5	Sender NCA App interprets XML message		
Test Data			
MS2SSN_IncidentDetail_Not	<pre><MS2SSN_IncidentDetail_Not xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:eu.emsa.ssn http://twls42.emsa.local:7002/ssn-xmlprotocol-ws/ssnmessageservice/ssn.xsd" xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <Header Version="3.0" SentAt="2013-10-14T10:13:31Z" From="NCASESMA1" To="SafeSeaNet" MSRefId="SLOPES_20131014101331"/> <Body> <Notification> <Feedback> <FeedbackIdentification FeedbackID="SE20131014101331" IncidentID="SE20131014101301"/> <FeedbackNotificationStatus UpdateStatus="N"/> <FeedbackDistribution DistributionFeedback_yes_no="Y"> <FeedbackRecipient RecipientCountry="FR"/> </FeedbackDistribution> <AuthorityReportingAction> <IdentificationOfAuthority EMail="ssnmail@emsa.eu" Phone="2101234567" AuthorityName="authName" Fax="2101234567" LoCode="GRCHQ"/> </AuthorityReportingAction> <ReportActionDetails Details="details" DateTimeReportAction="2012-09- 14T12:00:00"/> </Feedback> </Notification> </Body> </MS2SSN_IncidentDetail_Not></pre>		

SSN_Receipt	<?xml version="1.0" encoding="UTF-8"?> <ssn:SSN_Receipt xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header StatusMessage="The message processed successfully." StatusCode="OK" SSNRefId="346661" MSRefId="SLOPES_20131014101331" Version="3.0" To="NCASESMA1" SentAt="2013-10-14T10:13:31Z" From="SafeSeaNet" /></ssn:SSN_Receipt>
SSN2MS_IncidentDetail_Tx_Ack	<?xml version="1.0" encoding="UTF-8"?> <ssn:SSN2MS_IncidentDetail_Tx_Ack xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="SafeSeaNet" SSNRefId="SSN2MS_Inc_Detail_Ack_03" SentAt="2013-10-14T10:14:43Z" To="testuserid" Version="3.0"/> <ssn:Body> <ssn:IncidentReportAcknowledged IncidentID="SE20131014101301"/> <ssn:IRorFeedbackRecipients_Ack_list> <ssn:SSNparticipant_asIRorFeedbackRecipient RecipientCountry="FR"> <ssn:SSN_AuthorityXML SSN_ID_AuthorityXML="ssnId" RecipientXML_Ack="OK"/> </ssn:SSNparticipant_asIRorFeedbackRecipient> </ssn:IRorFeedbackRecipients_Ack_list> </ssn:Body> </ssn:SSN2MS_IncidentDetail_Tx_Ack>

TC – 3704 Scenarios XML or SOAP interface sending new Feedback on IR (Not Distributed)			
TestId	Description		
S3704-01	Message-based mechanism sending new feedback on "SITREP" (Not distributed) - Normal flow Successful		
S3704-02	Message-based mechanism sending new feedback on "WASTE" (Not distributed) - Normal flow Successful		
S3704-03	Message-based mechanism sending new feedback on "POLREP" (Not distributed) - Normal flow Successful		
S3704-04	Message-based mechanism sending new feedback on "LOST&FOUND" (Not distributed) - Normal flow Successful		
S3704-05	Message-based mechanism sending new feedback on "FAILED_NOTIFICATION" (Not distributed) - Normal flow Successful		
S3704-06	Message-based mechanism sending new feedback on "VTS_RULES_INFRINGEMENT" (Not distributed) - Normal flow Successful		
S3704-07	Message-based mechanism sending new feedback on "BANNED_SHIP" (Not distributed) - Normal flow Successful		
S3704-08	Message-based mechanism sending new feedback on "INSURANCE_FAILURE" (Not distributed) - Normal flow Successful		
S3704-09	Message-based mechanism sending new feedback on "PILOT_PORT_REPORT" (Not distributed) - Normal flow Successful		
S3704-10	Message-based mechanism sending new feedback on "OTHER" (Not distributed) - Normal flow Successful		
Step	Action/ input	Result/output	Notes
1	NCA App sends out XML message to SSN (non-distributed).	Message is sent out	
2	SSN sends back XML message (receipt) with status code=OK	Sender NCA App receives XML message with status code=OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase.
3	Sender NCA App interprets XML message		
Test Data			
MS2SSN_IncidentDetail_Not	<MS2SSN_IncidentDetail_Not xmlns:eu="urn:eu.emsa.ssn" xsi:schemaLocation="urn:eu.emsa.ssn http://twis42.emsa.local:7002/ssn-xmlprotocol-ws/ssnmessageservice/ssn.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <Header Version="3.0" SentAt="2013-10-14T11:13:21Z" From="NCASESMA1" To="SafeSeaNet" MSRefId="SLOPES_20131014111321"/> <Body> <Notification> <Feedback> <FeedbackIdentification FeedbackID="SE20131014111117" IncidentID="SE20131014111321"/> <FeedbackNotificationStatus UpdateStatus="N"/> </Body> </MS2SSN_IncidentDetail_Not>		

	<pre> <FeedbackDistribution DistributionFeedback_yes_no="N"/> <AuthorityReportingAction> <IdentificationOfAuthority Phone="2101234567" AuthorityName="authName" EMail="ssnmail@emsa.eu" LoCode="GRCHQ"/> </AuthorityReportingAction> <ReportActionDetails Details="details" DateTimeReportAction="2012-09- 14T12:00:00"/> </Feedback> </Notification> </Body> </MS2SSN_IncidentDetail_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:SSN_Receipt xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header StatusMessage="The message processed successfully." StatusCode="OK" SSNRefId="346661" MSRefId="SLOPES_20131014111321" Version="3.0" To="NCASESMA1" SentAt="2013-10-14T11:13:21Z" From="SafeSeaNet" /></ssn:SSN_Receipt> </pre>

TC – 3705 Scenarios XML or SOAP interface updating a IR notification (Distributed)			
TestId	Description		
S3705-01	Message-based mechanism updating IR notification "WASTE" (distributed) - Normal flow Successful		
S3705-02	Message-based mechanism updating IR notification "SITREP" (distributed) – 4 vessels are involved (2 EU flag, 1 not-EU flag and 1 not identified) - Normal flow Successful		
S3705-03	Message-based mechanism updating IR notification "POLREP" (distributed) – POLREP is associated to a SITREP - Normal flow Successful		
S3705-04	Message-based mechanism updating IR notification "LOST&FOUND" (distributed) - Normal flow Successful		
S3705-05	Message-based mechanism updating IR notification "FAILED_NOTIFICATION" (distributed) - Normal flow Successful		
S3705-06	Message-based mechanism updating IR notification "VTS_RULES_INFRINGEMENT" (distributed) - Normal flow Successful		
S3705-07	Message-based mechanism updating IR notification "BANNED_SHIP" (distributed) - Normal flow Successful		
S3705-08	Message-based mechanism updating IR notification "INSURANCE_FAILURE" (distributed) - Normal flow Successful		
S3705-09	Message-based mechanism updating IR notification "PILOT_PORT_REPORT" (distributed) - Normal flow Successful		
S3705-10	Message-based mechanism updating IR notification "OTHER" (distributed) - Normal flow Successful		
Step	Action/ input	Result/output	Notes
1	NCA retrieves the IR to be modified (e.g. specific query is run)	Relevant IR is retrieved based on the IncidentID	Only the original IR provider has the right to update its IR notification. The data previously sent in the latest IR notification shall be presented.
2	NCA App sends out XML message to SSN (distributed) with amended data	Message is sent out	The update quotes the same IncidentID as the original IR. The updated message shall include all the details of the original IR (updated attributes and attributes included in the original IR which have not been updated). NCA selects the recipient countries in the distribution element (depending on the configuration in the management console).
3	SSN sends back XML message (receipt) with status code=OK	Sender NCA App receives XML message with status code OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase.
4	SSN prepares and sends a consolidated XML	XML message is validated against	SSN distributes IR to the recipients. Recipient NCAs receive message via

	acknowledgement message	XML schema / well-formed + valid.	XML/SOAP or email depending on their configuration. SSN registers/logs distribution results (OK or NOT OK) for XML/SOAP/email recipients (depending on their configuration in the management console). SSN provides SSN2MS_IncidentDetails_Tx_Ack to the notifier
5	Sender NCA App interprets XML message		
Test Data			
MS2SSN_IncidentDetail_Not	<pre><MS2SSN_IncidentDetail_Not xmlns:xsi="urn:eu.emsa.ssn http://twls42.emsa.local:7002/ssn-xmlprotocol-ws/ssnmessageservice/ssn.xsd" xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <Header Version="3.0" SentAt="2013-10-14T17:06:14Z" From="NCASESMA1" To="SafeSeaNet" MSRefId="SLOPES_20131014170614"/> <Body> <Notification> <Incident> <IncidentIdentification Type="Waste" IncidentID="SE20131014170507"/> <IncidentNotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SLOPES_20131014170507"/> </IncidentNotificationStatus> <IRDistributionDetails DistributionIR_yes_no="Y"> <IRRecipient RecipientCountry="FR"/> </IRDistributionDetails> <IRVesselIdentificationList> <IRVesselIdentification> <IRVessel_IdentityVerified IMONumber="9557848" MMSINumber="219282000" CallSign="OWGM2" ShipName="LEONORA CHRISTINA" Flag="DK"/> <ShipPositionAtTimeOfIncident> <GeoCoordinates Longitude="12" Latitude="12"/> </ShipPositionAtTimeOfIncident> </IRVesselIdentification> </IRVesselIdentificationList> <AuthorityReportingIncident> <SSNUserIdentifier SSNUserID="NCASESMA1"/> </AuthorityReportingIncident> <IncidentDetails> <WasteIncidentInformation> <NonComplianceInformation WasteDeliveryDuePort="ZZUKN" ETD="2007-02-01T06:27:24Z" InspectionReason="WASTE"/> </WasteIncidentInformation> </IncidentDetails> </Incident> </Notification> </Body> </MS2SSN_IncidentDetail_Not></pre>		
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8"?> <ssn:SSN_Receipt xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header StatusMessage="The message processed successfully." StatusCode="OK" SSNRefId="346661" MSRefId="SLOPES_20131014170614" Version="3.0" To="NCASESMA1" SentAt="2013-10-14T17:06:14Z" From="SafeSeaNet" /></ssn:SSN_Receipt></pre>		

TC – 3705 Scenarios XML or SOAP interface updating a IR notification (Distributed)			
TestId	Description		
S3705-11	Message-based mechanism updating IR notification e.g. "SITREP" (distributed) – IR not found		
Step	Action/ input	Result/output	Notes
1	NCA App sends out message to SSN	Message is send out	

2	SSN sends back XML message (receipt) with status code=OK	Sender NCA App receives XML message with status code=OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase. SSN processes the content of the message. Incident/feedback not found: Process stops.
3	SSN sends back XML message (receipt) with status code=NOT FOUND		
4	Sender NCA App interprets XML message		

TC – 3706 Scenarios XML or SOAP interface updating a IR notification (Not Distributed)			
TestId	Description		
S3706-01	Message-based mechanism updating IR notification "WASTE" (Not distributed) - Normal flow Successful		
S3706-02	Message-based mechanism updating IR notification "SITREP" (Not distributed) - 4 vessels are involved (2 EU flag, 1 not-EU flag and 1 not identified) - Normal flow Successful		
S3706-03	Message-based mechanism updating IR notification "POLREP" (Not distributed) - POLREP is associated to a SITREP - Normal flow Successful		
S3706-04	Message-based mechanism updating IR notification "LOST&FOUND" (Not distributed) - Normal flow Successful		
S3706-05	Message-based mechanism updating IR notification "FAILED_NOTIFICATION" (Not distributed) - Normal flow Successful		
S3706-06	Message-based mechanism updating IR notification "VTS_RULES_INFRINGEMENT" (Not distributed) - Normal flow Successful		
S3706-07	Message-based mechanism updating IR notification "BANNED_SHIP" (Not distributed) - Normal flow Successful		
S3706-08	Message-based mechanism updating IR notification "INSURANCE_FAILURE" (Not distributed) - Normal flow Successful		
S3706-09	Message-based mechanism updating IR notification "PILOT_PORT_REPORT" (Not distributed) - Normal flow Successful		
S3706-10	Message-based mechanism updating IR notification "OTHER" (Not distributed) - Normal flow Successful		
Step	Action/ input	Result/output	Notes
1	NCA retrieves the IR to be modified (e.g. specific query is run)	Relevant IR is retrieved based on the IncidentID	Only the original IR provider has the right to update its IR notification. The data previously sent in the latest IR notification shall be presented.
2	NCA App send out XML message to SSN (Non-distributed) with amended data	Message is sent out	The update quotes the same IncidentID than the original IR. The updated message shall include all the details of the original IR (updated attributes and attributes included in the original IR which have not been updated)
3	SSN sends back RECEIPT message with status code=OK	SSN sends back XML message with status code OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase.
4	Sender NCA App interprets XML message		
Test Data			
MS2SSN_IncidentDetail_Not	<pre><MS2SSN_IncidentDetail_Not xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:eu.emsa.ssn http://twls42.emsa.local:7002/ssn-xmlprotocol-ws/ssnmessageservice/ssn.xsd" xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <Header Version="3.0" SentAt="2013-10-14T16:59:06Z" From="NCASESMA1" To="SafeSeaNet" MSRefId="SLOPES_20131014165906"/> <Body></pre>		

	<pre> <Notification> <Incident> <IncidentIdentification Type="SITREP" IncidentID="SE20131014165849"/> <IncidentNotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SLOPES_20131014165849"/> </IncidentNotificationStatus> <IRDistributionDetails DistributionIR_yes_no="N" IRDistributionToFlagState="N"> </IRDistributionDetails> <IRVesselIdentificationList> <IRVesselIdentification IMONumber="9557848" MMSINumber="219282000" CallSign="OWGM2" ShipName="LEONORA CHRISTINA" Flag="DK"/> <ShipPositionAtTimeOfIncident> <GeoCoordinates Longitude="12" Latitude="12"/> </ShipPositionAtTimeOfIncident> </IRVesselIdentification> </IRVesselIdentificationList> <AuthorityReportingIncident> <SSNUserIdentifier SSNUserID="NCASESMA1"/> </AuthorityReportingIncident> <IncidentDetails> <SITREPIncidentInformation> <SITREPInformation> <C_Situation MessageType="Distress" NotifiedAt="2013-10-14T16:59:06Z" Nature="Collision" J_InitialActionTaken="Something"/> </SITREPInformation> </SITREPIncidentInformation> </IncidentDetails> </Incident> </Notification> </Body> </MS2SSN_IncidentDetail_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:SSN_Receipt xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header StatusMessage="The message processed successfully." StatusCode="OK" SSNRefId="346661" MSRefId="SLOPES_20131014165906" Version="3.0" To="NCASESMA1" SentAt="2013-10-14T16:59:06Z" From="SafeSeaNet" /> </ssn:SSN_Receipt> </pre>

TC – 3706 Scenarios XML or SOAP interface updating a IR notification (Not Distributed)			
TestId	Description		
S3706-11	Message-based mechanism updating IR notification e.g. "SITREP" (Not distributed) – IR not found		
Step	Action/ input	Result/output	Notes
1	NCA App sends out message to SSN	Message is send out	
2	SSN sends back XML message (receipt) with status code=OK	Sender NCA App receives XML message with status code=OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase. SSN processes the content of the message. Incident/feedback not found: Process stops.
3	SSN sends back XML message (receipt) with status code=NOT FOUND		
4	Sender NCA App interprets XML message		

TC – 3707 Scenarios XML or SOAP interface updating a feedback on IR (Distributed)			
TestId	Description		
S3707-01	Message-based mechanism updating feedback on "WASTE" (distributed) - Normal flow Successful		
S3707-02	Message-based mechanism updating feedback on "SITREP" (distributed) - Normal flow Successful		
S3707-03	Message-based mechanism updating feedback on "POLREP" (distributed) - Normal flow Successful		
S3707-04	Message-based mechanism updating feedback on "LOST&FOUND" (distributed) - Normal flow Successful		
S3707-05	Message-based mechanism updating feedback on "FAILED_NOTIFICATION" (distributed) - Normal flow Successful		
S3707-06	Message-based mechanism updating feedback on "VTS_RULES_INFRINGEMENT" (distributed) - Normal flow Successful		
S3707-07	Message-based mechanism updating feedback on "BANNED_SHIP" (distributed) - Normal flow Successful		
S3707-08	Message-based mechanism updating feedback on "INSURANCE_FAILURE" (distributed) - Normal flow Successful		
S3707-09	Message-based mechanism updating feedback on "PILOT_PORT_REPORT" (distributed) - Normal flow Successful		
S3707-10	Message-based mechanism updating feedback on "OTHER" (distributed) - Normal flow Successful		
Step	Action/ input	Result/output	Notes
1	NCA App retrieves the relevant IR whose feedback has to be modified (e.g. specific query is run).	Relevant feedback is retrieved (based on the IncidentID and the FeedbackID)	Only the original feedback provider has the right to update its IR notification. The data previously sent in the latest IR notification shall be presented.
2	NCA App sends out XML feedback to SSN (distributed) with amended data	Message is sent out	The update quotes the same IncidentID and FeedbackID as the original IR. The updated message shall include all the details of the original IR (updated attributes and attributes included in the original IR which have not been updated). NCA selects the recipient countries in the distribution element (depending on the configuration in the management console).
3	SSN sends back XML message (receipt) with status code OK	Sender NCA App receives XML message with status code OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase.
4	SSN prepares and sends a consolidated XML acknowledgement message	XML message is validated against XML schema / well-formed + valid.	SSN distributes IR to the recipients. Recipient NCAs receive message via XML/SOAP or email depending on their configuration. SSN registers/logs distribution results (OK or NOT OK) for XML/SOAP/email recipients (depending on their configuration in the management console). SSN provides SSN2MS_IncidentDetails_Tx_Ack to the notifier
5	Sender NCA App interprets XML message		
Test Data			

MS2SSN_IncidentDetail_Not	<pre> <MS2SSN_IncidentDetail_Not xsi:schemaLocation="urn:eu.emsa.ssn http://twis42.emsa.local:7002/ssn-xmlprotocol-ws/ssnmessageservice/ssn.xsd" xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <Header Version="3.0" SentAt="2013-10-16T08:23:48Z" From="NCASESMA1" To="SafeSeaNet" MSRefId="SLOPES_20131016082348"/> <Body> <Notification> <Feedback> <FeedbackIdentification FeedbackID="SE20131016082242" IncidentID="SE20131016082135"/> <FeedbackNotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SLOPES_20131016082242"/> </FeedbackNotificationStatus> <FeedbackDistribution DistributionFeedback_yes_no="Y" FeedbackDistributionToFlagState="Y"> <FeedbackRecipient RecipientCountry="FR"/> </FeedbackDistribution> <AuthorityReportingAction> <IdentificationOfAuthority EMail="ssnmail@emsa.eu" Phone="2101234567" AuthorityName="authName" Fax="2101234567" LoCode="GRCHQ"/> </AuthorityReportingAction> <ReportActionDetails Details="details Update" DateTimeReportAction="2012- 09-14T12:00:00"/> </Feedback> </Notification> </Body> </MS2SSN_IncidentDetail_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:SSN_Receipt xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header StatusMessage="The message processed successfully." StatusCode="OK" SSNRefId="346661" MSRefId="SLOPES_20131016082348" Version="3.0" To="NCASESMA1" SentAt="2013-10-16T08:23:48Z" From="SafeSeaNet" /></ssn:SSN_Receipt> </pre>

TC – 3707 Scenarios XML or SOAP interface updating a Feedback on IR (Distributed)			
TestId	Description		
S3707-11	Message-based mechanism updating feedback on e.g. "SITREP" (distributed)– Feedback not found		
Step	Action/ input	Result/output	Notes
1	NCA App sends out message to SSN	Message is send out	
2	SSN sends back XML message (receipt) with status code=OK	Sender NCA App receives XML message with status code=OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase. SSN processes the content of the message. Incident/feedback not found: Process stops.
3	SSN sends back XML message (receipt) with status code=NOT FOUND		
4	Sender NCA App interprets XML message		

TC – 3708 Scenarios XML or SOAP interface updating a feedback on IR (Not Distributed)	
TestId	Description
S3708-01	Message-based mechanism updating feedback on "SITREP" (Not distributed) - Normal flow Successful
S3708-02	Message-based mechanism updating feedback on "WASTE" (Not distributed) - Normal flow Successful

S3708-03	Message-based mechanism updating feedback on "POLREP" (Not distributed) - Normal flow Successful		
S3708-04	Message-based mechanism updating feedback on "LOST&FOUND" (Not distributed) - Normal flow Successful		
S3708-05	Message-based mechanism updating feedback on "FAILED_NOTIFICATION" (Not distributed) - Normal flow Successful		
S3708-06	Message-based mechanism updating feedback on "VTS_RULES_INFRINGEMENT" (Not distributed) - Normal flow Successful		
S3708-07	Message-based mechanism updating feedback on "BANNED_SHIP" (Not distributed) - Normal flow Successful		
S3708-08	Message-based mechanism updating feedback on "INSURANCE_FAILURE" (Not distributed) - Normal flow Successful		
S3708-09	Message-based mechanism updating feedback on "PILOT_PORT_REPORT" (Not distributed) - Normal flow Successful		
S3708-10	Message-based mechanism updating feedback on "OTHER" (Not distributed) - Normal flow Successful		
Step	Action/ input	Result/output	Notes
1	NCA App retrieves the relevant IR whose feedback has to be modified (e.g. specific query is run).	Relevant feedback is retrieved (based on the IncidentID and the FeedbackID)	Only the original feedback provider has the right to update its notification.
2	NCA App sends out XML feedback to SSN (Non-distributed) with amended data	Message is sent out	The update quotes the same IncidentID and FeedbackID as the original IR. The updated message shall include all the details of the original IR (updated attributes and attributes included in the original IR which have not been updated)..
3	SSN sends back XML message (receipt) with status code=OK	Sender NCA App receives XML message with status code OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase.
4	Sender NCA App interprets XML message		
Test Data			
MS2SSN_IncidentDetail_Not	<pre><MS2SSN_IncidentDetail_Not xmlns:xsi="http://twls42.emsa.local:7002/ssn-xmlprotocol-ws/ssnmessageservice/ssn.xsd" xsi:schemaLocation="urn:eu.emsa.ssn http://twls42.emsa.local:7002/ssn-xmlprotocol-ws/ssnmessageservice/ssn.xsd" xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <Header Version="3.0" SentAt="2013-10-16T07:11:32Z" From="NCASESMA1" To="SafeSeaNet" MSRefId="SLOPES_20131016071132"/> <Body> <Notification> <Feedback> <FeedbackIdentification FeedbackID="SE20131016071127" IncidentID="SE20131016071125"/> <FeedbackNotificationStatus UpdateStatus="U"> <UpdateNotifications UpdateMSRefId="SLOPES_20131016071127"/> </FeedbackNotificationStatus> <FeedbackDistribution DistributionFeedback_yes_no="N"/> <AuthorityReportingAction> <IdentificationOfAuthority EMail="ssnmail@emsa.eu" Phone="2101234567" AuthorityName="authName" Fax="2101234567" LoCode="GRCHQ"/> </AuthorityReportingAction> <ReportActionDetails Details="Update Details" DateTimeReportAction="2012-09-14T12:00:00"/> </Feedback> </Notification> </Body> </MS2SSN_IncidentDetail_Not></pre>		
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8"?> <ssn:SSN_Receipt xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header StatusMessage="The message processed successfully." StatusCode="OK" SSNRefId="346661" MSRefId="SLOPES_20131016071132" Version="3.0" To="NCASESMA1" SentAt="2013-10-16T07:11:32Z" From="SafeSeaNet" /></ssn:SSN_Receipt></pre>		

TC – 3708 Scenarios XML or SOAP interface updating a feedback on IR (Not Distributed)			
TestId	Description		
S3708-11	Message-based mechanism updating feedback on e.g. "SITREP" (Not distributed)– Feedback not found		
Step	Action/ input	Result/output	Notes
1	NCA App sends out message to SSN	Message is send out	
2	SSN sends back XML message (receipt) with status code=OK	Sender NCA App receives XML message with status code=OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase. SSN processes the content of the message. Incident/feedback not found: Process stops.
3	SSN sends back XML message (receipt) with status code=NOT FOUND		
4	Sender NCA App interprets XML message		

TC – 3709 Scenarios XML or SOAP interface deleting a IR notification (Distributed)			
TestId	Description		
S3709-01	Message-based mechanism deleting IR notification "WASTE" (distributed) - Normal flow Successful		
S3709-02	Message-based mechanism deleting IR notification "SITREP" (distributed) – 4 vessels are involved (2 EU flag, 1 not-EU flag and 1 not identified) - Normal flow Successful		
S3709-03	Message-based mechanism deleting IR notification "POLREP" (distributed) – POLREP is associated to a SITREP - Normal flow Successful		
S3709-04	Message-based mechanism deleting IR notification "LOST&FOUND" (distributed) - Normal flow Successful		
S3709-05	Message-based mechanism deleting IR notification "FAILED_NOTIFICATION" (distributed) - Normal flow Successful		
S3709-06	Message-based mechanism deleting IR notification "VTS_RULES_INFRINGEMENT" (distributed) - Normal flow Successful		
S3709-07	Message-based mechanism deleting IR notification "BANNED_SHIP" (distributed) - Normal flow Successful		
S3709-08	Message-based mechanism deleting IR notification "INSURANCE_FAILURE" (distributed) - Normal flow Successful		
S3709-09	Message-based mechanism deleting IR notification "PILOT_PORT_REPORT" (distributed) - Normal flow Successful		
S3709-10	Message-based mechanism deleting IR notification "OTHER" (distributed) - Normal flow Successful		
Step	Action/ input	Result/output	Notes
1	NCA retrieves the IR to be deleted (e.g. specific query is run)	Relevant IR (Non-distributed) is retrieved based on the IncidentID	Only the original IR provider has the right to delete its IR notification
2	NCA App sends out XML message to SSN	Message is sent out	
3	SSN sends back RECEIPT message with status code=OK	SSN sends back XML message with status code OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase. Incident notification is deleted.
4	Sender NCA App interprets XML message		

5	SSN prepares and sends a consolidated XML acknowledgement message	XML message is validated against XML schema / well-formed + valid.	SSN distributes IR to the recipients. Recipient NCAs receive message via XML/SOAP or email depending on their configuration. SSN registers/logs distribution results (OK or NOT OK) for XML/SOAP/email recipients (depending on their configuration in the management console). SSN provides SSN2MS_IncidentDetails_Tx_Ack to the notifier
6	Sender NCA App interprets XML message		
Test Data			
MS2SSN_IncidentDetail_Not	<pre> <MS2SSN_IncidentDetail_Not xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:eu.emsa.ssn http://twls42.emsa.local:7002/ssn-xmlprotocol-ws/ssnmessageservice/ssn.xsd" xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <Header Version="3.0" SentAt="2013-10-16T11:10:35Z" From="NCASESMA1" To="SafeSeaNet" MSRefId="SLOPES_20131016111035"/> <Body> <Notification> <Incident> <IncidentIdentification Type="Waste" IncidentID="SE20131016110928"/> <IncidentNotificationStatus UpdateStatus="D"> <UpdateNotifications UpdateMSRefId="SLOPES_20131016110928"/> </IncidentNotificationStatus> <IRDistributionDetails DistributionIR_yes_no="Y"> <IRRecipient RecipientCountry="FR"/> </IRDistributionDetails> <IRVesselIdentificationList> <IRVesselIdentification> <IRVessel_IdentityVerified IMONumber="9557848" MMSINumber="219282000" CallSign="OWGM2" ShipName="LEONORA CHRISTINA" Flag="DK"/> <ShipPositionAtTimeOfIncident> <GeoCoordinates Longitude="12" Latitude="12"/> </ShipPositionAtTimeOfIncident> </IRVesselIdentification> </IRVesselIdentificationList> <AuthorityReportingIncident> <SSNUserIdentifier SSNUserID="NCASESMA1"/> </AuthorityReportingIncident> <IncidentDetails> <WasteIncidentInformation> <NonComplianceInformation WasteDeliveryDuePort="ZZUKN" ETD="2007-02-01T06:27:24Z" InspectionReason="WASTE"/> </WasteIncidentInformation> </IncidentDetails> </Incident> </Notification> </Body> </MS2SSN_IncidentDetail_Not> </pre>		
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:SSN_Receipt xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header StatusMessage="The message processed successfully." StatusCode="OK" SSNRefId="346661" MSRefId="SLOPES_20131016111035" Version="3.0" To="NCASESMA1" SentAt="2013-10-16T11:10:35Z" From="SafeSeaNet" /> </ssn:SSN_Receipt> </pre>		

TC – 3709 Scenarios

Message-based mechanism deleting a IR notification (Distributed)

Message-based mechanism deleting a IR notification (Distributed)			
TestId	Description		
S3709-11	Message-based mechanism deleting IR notification e.g. "SITREP" (distributed) – IR not found		
Step	Action/ input	Result/output	Notes

1	NCA App sends out message to SSN	Message is send out	
2	SSN sends back XML message (receipt) with status code=OK	Sender NCA App receives XML message with status code=OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase. SSN processes the content of the message. Incident/feedback not found: Process stops.
3	SSN sends back XML message (receipt) with status code=NOT FOUND		
4	Sender NCA App interprets XML message		

TC – 3710 Scenarios XML or SOAP interface deleting a IR notification (Not Distributed)			
TestId	Description		
S3710-01	Message-based mechanism deleting IR notification "WASTE" (Not distributed) - Normal flow Successful		
S3710-02	Message-based mechanism deleting IR notification "SITREP" (Not distributed) – 4 vessels are involved (2 EU flag, 1 not-EU flag and 1 not identified) - Normal flow Successful		
S3710-03	Message-based mechanism deleting IR notification "POLREP" (Not distributed) – POLREP is associated to a SITREP - Normal flow Successful		
S3710-04	Message-based mechanism deleting IR notification "LOST&FOUND" (Not distributed) - Normal flow Successful		
S3710-05	Message-based mechanism deleting IR notification "FAILED_NOTIFICATION" (Not distributed) - Normal flow Successful		
S3710-06	Message-based mechanism deleting IR notification "VTS_RULES_INFRINGEMENT" (Not distributed) - Normal flow Successful		
S3710-07	Message-based mechanism deleting IR notification "BANNED_SHIP" (Not distributed) - Normal flow Successful		
S3710-08	Message-based mechanism deleting IR notification "INSURANCE_FAILURE" (Not distributed) - Normal flow Successful		
S3710-09	Message-based mechanism deleting IR notification "PILOT_PORT_REPORT" (Not distributed) - Normal flow Successful		
S3710-10	Message-based mechanism deleting IR notification "OTHER" (Not distributed) - Normal flow Successful		
Step	Action/ input	Result/output	Notes
1	NCA retrieves the IR to be deleted (e.g. specific query is run)	Relevant IR (Non-distributed) is retrieved based on the IncidentID	Only the original IR provider has the right to delete its IR notification
2	NCA App sends out XML message to SSN	Message is sent out	
3	SSN sends back RECEIPT message with status code=OK	SSN sends back XML message with status code OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase. Incident notification is deleted.
4	Sender NCA App interprets XML message		
Test Data			

MS2SSN_IncidentDetail_Not	<pre> <MS2SSN_IncidentDetail_Not xsi:schemaLocation="urn:eu.emsa.ssn http://twls42.emsa.local:7002/ssn-xmlprotocol-ws/ssnmessageservice/ssn.xsd" xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <Header Version="3.0" SentAt="2013-10-22T12:46:23Z" From="NCASESMA1" To="SafeSeaNet" MSRefId="SLOPES_20131022124623"/> <Body> <Notification> <Incident> <IncidentIdentification Type="SITREP" IncidentID="SE20131022124623"/> <IncidentNotificationStatus UpdateStatus="D"> <UpdateNotifications UpdateMSRefId="SLOPES_20131022124623"/> </IncidentNotificationStatus> <IRDistributionDetails DistributionIR_yes_no="N" IRDistributionToFlagState="N"> </IRDistributionDetails> <IRVesselIdentificationList> <IRVesselIdentification> <IRVessel_IdentityVerified IMONumber="9557848" MMSINumber="219282000" CallSign="OWGM2" ShipName="LEONORA CHRISTINA" Flag="DK"/> <ShipPositionAtTimeOfIncident> <GeoCoordinates Longitude="12" Latitude="12"/> </ShipPositionAtTimeOfIncident> </IRVesselIdentification> </IRVesselIdentificationList> <AuthorityReportingIncident> <SSNUserIdentifier SSNUserID="NCASESMA1"/> </AuthorityReportingIncident> <IncidentDetails> <SITREPIncidentInformation> <SITREPIInformation> <C_Situation MessageType="Distress" NotifiedAt="2013-10-22T12:46:23Z" Nature="Collision" J_InitialActionTaken="Something"/> </SITREPIInformation> </SITREPIncidentInformation> </IncidentDetails> </Incident> </Notification> </Body> </MS2SSN_IncidentDetail_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:SSN_Receipt xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header StatusMessage="The message processed successfully." StatusCode="OK" SSNRefId="346661" MSRefId="SLOPES_20131022124623" Version="3.0" To="NCASESMA1" SentAt="2013-10-22T12:46:23Z" From="SafeSeaNet" /></ssn:SSN_Receipt> </pre>

TC – 3710 Scenarios XML or SOAP interface deleting a IR notification (Not Distributed)			
TestId	Description		
S3710-11	Message-based mechanism deleting IR notification e.g. "SITREP" (Not distributed) – IR not found		
Step	Action/ input	Result/output	Notes
1	NCA App sends out message to SSN	Message is send out	
2	SSN sends back XML message (receipt) with status code=OK	Sender NCA App receives XML message with status code=OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase. SSN processes the content of the message. Incident/feedback not found: Process stops.

3	SSN sends back XML message (receipt) with status code=NOT FOUND		
4	Sender NCA App interprets XML message		

TC – 3711 Scenarios XML or SOAP interface deleting a feedback on IR (Distributed)			
TestId	Description		
S3711-01	Message-based mechanism deleting feedback on "WASTE" (distributed) - Normal flow Successful		
S3711-02	Message-based mechanism deleting feedback on "SITREP" (distributed) - Normal flow Successful		
S3711-03	Message-based mechanism deleting feedback on "POLREP" (distributed) - Normal flow Successful		
S3711-04	Message-based mechanism deleting feedback on "LOST&FOUND" (distributed) - Normal flow Successful		
S3711-05	Message-based mechanism deleting feedback on "FAILED_NOTIFICATION" (distributed) - Normal flow Successful		
S3711-06	Message-based mechanism deleting feedback on "VTS_RULES_INFRINGEMENT" (distributed) - Normal flow Successful		
S3711-07	Message-based mechanism deleting feedback on "BANNED_SHIP" (distributed) - Normal flow Successful		
S3711-08	Message-based mechanism deleting feedback on "INSURANCE_FAILURE" (distributed) - Normal flow Successful		
S3711-09	Message-based mechanism deleting feedback on "PILOT_PORT_REPORT" (distributed) - Normal flow Successful		
S3711-10	Message-based mechanism deleting feedback on "OTHER" (distributed) - Normal flow Successful		
Step	Action/ input	Result/output	Notes
1	NCA retrieves the IR to be modified (e.g. specific query is run)	Relevant IR (distributed) is retrieved based on the IncidentID	Only the original IR provider has the right to delete its IR notification. The data previously sent in the latest IR notification shall be presented.
2	NCA App sends out XML message to SSN (distributed) quoting "UpdateStatus=D".	Message is send out	The deletion quotes the same IncidentID as the original IR. The deletion message shall include all the details of the original IR.
3	SSN sends back XML message (receipt) with status code=OK	Sender NCA App receives XML message with status code OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase. Incident notification is deleted.
4	SSN prepares and sends a consolidated XML acknowledgement message	XML message is validated against XML schema / well-formatted+valid	SSN distributes the deletion: <ul style="list-style-type: none"> to the recipients which have previously received the IR (depending on their configuration: via XML/SOAP/email). to the feedback providers (depending on their configuration: via XML/SOAP/email). SSN registers/logs distribution results (OK or NOT OK) for XML/SOAP/email recipients (depending on their configuration in the management console). SSN provides SSN2MS_IncidentDetails_Tx_Ack to the notifier
5	Sender NCA App interprets XML message		
Test Data			

MS2SSN_IncidentDetail_Not	<pre> <MS2SSN_IncidentDetail_Not xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:eu.emsa.ssn http://twls42.emsa.local:7002/ssn-xmlprotocol-ws/ssnmessageservice/ssn.xsd" <Header Version="3.0" SentAt="2013-10-16T12:18:59Z" From="NCASESMA1" To="SafeSeaNet" MSRefId="SLOPES_20131016121859"/> <Body> <Notification> <Feedback> <FeedbackIdentification FeedbackID="SE20131016121752" IncidentID="SE20131016121641"/> <FeedbackNotificationStatus UpdateStatus="D"> <UpdateNotifications UpdateMSRefId="SLOPES_20131016121752"/> </FeedbackNotificationStatus> <FeedbackDistribution DistributionFeedback_yes_no="Y" FeedbackDistributionToFlagState="Y"> <FeedbackRecipient RecipientCountry="FR"/> </FeedbackDistribution> <AuthorityReportingAction> <IdentificationOfAuthority Email="ssnmail@emsa.eu" Phone="2101234567" AuthorityName="authName" Fax="2101234567" LoCode="GRCHQ"/> </AuthorityReportingAction> <ReportActionDetails Details="details Update" DateTimeReportAction="2012- 09-14T12:00:00"/> </Feedback> </Notification> </Body> </MS2SSN_IncidentDetail_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:SSN_Receipt xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header StatusMessage="The message processed successfully." StatusCode="OK" SSNRefId="346661" MSRefId="SLOPES_20131016121859" Version="3.0" To="NCASESMA1" SentAt="2013-10-16T12:18:59Z" From="SafeSeaNet" /></ssn:SSN_Receipt> </pre>

TC – 3711 Scenarios XML or SOAP interface deleting a feedback on IR (Distributed)			
TestId	Description		
S3711-11	Message-based mechanism deleting feedback on e.g. "SITREP" (Distributed)– Feedback not found		
Step	Action/ input	Result/output	Notes
1	NCA App sends out message to SSN	Message is send out	
2	SSN sends back XML message (receipt) with status code=OK	Sender NCA App receives XML message with status code=OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase. SSN processes the content of the message. Incident/feedback not found: Process stops.
3	SSN sends back XML message (receipt) with status code=NOT FOUND		
4	Sender NCA App interprets XML message		

TC – 3712 Scenarios XML or SOAP interface deleting a feedback on IR (Not Distributed)	
TestId	Description
S3712-01	Message-based mechanism deleting feedback on "WASTE" (Not distributed) - Normal flow Successful
S3712-02	Message-based mechanism deleting feedback on "SITREP" (Not distributed) - Normal flow Successful

S3712-03	Message-based mechanism deleting feedback on "POLREP" (Not distributed) - Normal flow Successful		
S3712-04	Message-based mechanism deleting feedback on "LOST&FOUND" (Not distributed) - Normal flow Successful		
S3712-05	Message-based mechanism deleting feedback on "FAILED_NOTIFICATION" (Not distributed) - Normal flow Successful		
S3712-06	Message-based mechanism deleting feedback on "VTS_RULES_INFRINGEMENT" (Not distributed) - Normal flow Successful		
S3712-07	Message-based mechanism deleting feedback on "BANNED_SHIP" (Not distributed) - Normal flow Successful		
S3712-08	Message-based mechanism deleting feedback on "INSURANCE_FAILURE" (Not distributed) - Normal flow Successful		
S3712-09	Message-based mechanism deleting feedback on "PILOT_PORT_REPORT" (Not distributed) - Normal flow Successful		
S3712-10	Message-based mechanism deleting feedback on "OTHER" (Not distributed) - Normal flow Successful		
Step	Action/ input	Result/output	Notes
1	NCA retrieves the feedback to be deleted (e.g. specific query is run)	Relevant feedback (Non-distributed) is retrieved based on the IncidentID and feedbackID	Only the feedback provider has the right to delete its feedback
2	NCA App sends out XML message to SSN	Message is sent out	
3	SSN sends back RECEIPT message with status code=OK	SSN sends back XML message with status code OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase. Feedback is deleted. Original IR notification is NOT deleted.
4	Sender NCA App interprets XML message		
Test Data			
MS2SSN_IncidentDetail_Not	<pre> <MS2SSN_IncidentDetail_Not xsi:schemaLocation="urn:eu.emsa.ssn http://twls42.emsa.local:7002/ssn-xmlprotocol-ws/ssnmessageservice/ssn.xsd" xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"> <Header Version="3.0" SentAt="2013-10-16T12:22:19Z" From="NCASESMA1" To="SafeSeaNet" MSRefId="SLOPES_20131016122219"/> <Body> <Notification> <Feedback> <FeedbackIdentification FeedbackID="SE20131016122219" IncidentID="SE20131016122218"/> <FeedbackNotificationStatus UpdateStatus="D"> <UpdateNotifications UpdateMSRefId="SLOPES_20131016122219"/> </FeedbackNotificationStatus> <FeedbackDistribution DistributionFeedback_yes_no="N"/> <AuthorityReportingAction> <IdentificationOfAuthority EMail="ssnmail@emsa.eu" Phone="2101234567" AuthorityName="authName" Fax="2101234567" LoCode="GRCHQ"/> </AuthorityReportingAction> <ReportActionDetails Details="Update Details" DateTimeReportAction="2012-09-14T12:00:00"/> </Feedback> </Notification> </Body> </MS2SSN_IncidentDetail_Not> </pre>		
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:SSN_Receipt xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header StatusMessage="The message processed successfully." StatusCode="OK" SSNRefId="346661" MSRefId="SLOPES_20131016122219" Version="3.0" To="NCASESMA1" SentAt="2013-10-16T12:22:19Z" From="SafeSeaNet" /></ssn:SSN_Receipt> </pre>		

TC – 3712 Scenarios XML or SOAP interface deleting a feedback on IR (Not Distributed)			
TestId	Description		
S3712-11	Message-based mechanism deleting feedback on e.g. "SITREP" (Not distributed) – Feedback not found		
Step	Action/ input	Result/output	Notes
1	NCA App sends out message to SSN	Message is send out	
2	SSN sends back XML message (receipt) with status code=OK	Sender NCA App receives XML message with status code=OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN stores XML message contents in index dbase. SSN processes the content of the message. Incident/feedback not found: Process stops.
3	SSN sends back XML message (receipt) with status code=NOT FOUND		
4	Sender NCA App interprets XML message		
TC – 3713 Scenarios XML or SOAP interface sending a notification– Invalid message NOTE: The national systems should not allow sending invalid messages. If an Invalid notification is sent to SSN core the test is 'Failed'.			
TestId	Description		
From S3713-01 to S3713-99			
Step	Action/ input	Result/output	Notes
1	NCA App sends out message to SSN	Message is send out	
2	SSN validates message		
3	SSN sends back the XML message with StatusCode=InvalidFormat		
3	Sender NCA App interprets XML message		

5.2. PROVISION OF EXEMPTION INFORMATION

Use Case Description The data provider will send Exemption Notification to report to the Central SafeSeaNet System details regarding an exemption granted to a ship concerning:

- Pre-arrival notifications (article 4 of Directive 2002/59/EC),
- Notifications of dangerous or polluting goods carried on board (article 13 of Directive 2002/59/EC),
- Notifications of security information (article 6 of Regulation (EC) No 725/2004).
- Notification of waste and residues (article 6 of Directive 2000/59/EC)

As an alternative to this XML message, Member States may report information on exemptions using the web interface of the Central SSN System.

User configuration Prior to the launch of the commissioning tests for the Exemption Message-based mechanism, all MSs are invited to configure their users (persons or authorities) using the SSN management console in the training environment.

In the training environment, SSN NCAs are required to configure the authorities/persons who are allowed to send Exemption via XML/SOAP.

MSs wishing to implement the protocol should configure a valid XML or SOAP address for the transmission/receipt of Exemption messages.

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

- For users providing messages via the XML/SOAP or central SSN web interfaces, the permissions for Exemptions that users are allowed to notify shall be quoted.

Task Code ▲	Task Description ▲	<input type="checkbox"/>	Location Restriction
EXEMPTIONS_NOTIFIER (NCA_BAS)	Exemptions Notifier	<input type="checkbox"/>	Country ▼

Figure 4 – Configuration of a user (e.g. Exemption data provider)

Test Cases Each use case being a generic activity can be realized, executed in a number of ways. These are termed use-case realizations or test cases. We distinguish the following test cases for this use case:

Test Case Id	Description
TC1903	Message-based mechanism sending Exemption notification - normal flow UpdateStatus = N, U and D, (ExemptionType= Pre-Arrival, ExemptionType= Hazmat, ExemptionType= Waste, ExemptionType= Security)
TC1904	Message-based mechanism sending Exemption notification - invalid XML message

Test Scenarios

Test Id	Description
S1903-01	Message-based mechanism sending Exemption notification - normal flow UpdateStatus = N, ExemptionType= Pre-Arrival
S1903-02	Message-based mechanism sending Exemption notification - normal flow UpdateStatus = N, ExemptionType= Hazmat
S1903-03	XML interface sendig Exemption notification - normal flow UpdateStatus = N, ExemptionType= Security
S1903-04	Message-based mechanism sending Exemption notification - normal flow UpdateStatus = N, ExemptionType= Waste
S1903-05	Message-based mechanism sending Exemption notification UpdateStatus = U, ExemptionType= Hazmat
S1903-06	Message-based mechanism sending Exemption notification UpdateStatus = D ExemptionType= Security

Scenario details

S1903-01	Message-based mechanism sending Exemption notification - normal flow UpdateStatus = N, ExemptionType= Pre-Arrival
S1903-01	<p>Input: The data provider is sending an MS2SSN_exemption not.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the exemption is valid according to specified business rules.</p>
MS2SSN Notification	<pre><?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bcdQA" SentAt="2014-07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj12122" UpdateStatus="N"> <ssn:VesselIdentification IMONumber="8829127" MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-19" DateTo="2014-07-19" ExemptionType="Pre-Arrival"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?> <SSN_Receipt xmlns="urn:eu.emsa.ssn"> <Header MSRefId="MSRefId_Not1bcdQA" SSNRefId="1527411" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-07-31T15:13:40Z" From="SafeSeaNet" To="GRPIR01"/> </SSN_Receipt></pre>

S1903-02	Message-based mechanism sending Exemption notification - normal flow UpdateStatus = N, ExemptionType= Hazmat	
Step	Action/Input	Result/output
S1903-02	Input: The data provider is sending an MS2SSN_exemption not. Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the exemption is valid according to specified business rules.	

MS2SSN Notification	<pre><?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bcQA" SentAt="2014-07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj1222" UpdateStatus="N"> <ssn:VesselIdentification IMONumber="8829127" MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-16" DateTo="2014-07-16" ExemptionType="Hazmat"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?> <SSN_Receipt xmlns="urn:eu.emsa.ssn"> <Header MSRefId="MSRefId_Not1bcQA" SSNRefId="1527405" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-07-31T15:12:06Z" From="SafeSeaNet" To="GRPIR01"/> </SSN_Receipt></pre>

S1903-03	XML interface sendig Exemption notification - normal flow UpdateStatus = N, ExemptionType= Security
S1903-03	<p>Input: The data provider is sending an MS2SSN_exemption not.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the exemption is valid according to specified business rules.</p>
MS2SSN Notification	<pre><?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1rty" SentAt="2014-07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj111" UpdateStatus="N"> <ssn:VesselIdentification IMONumber="8829127" MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-17" DateTo="2014-07-17" ExemptionType="Security"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?> <SSN_Receipt xmlns="urn:eu.emsa.ssn"> <Header MSRefId="MSRefId_Not1rty" SSNRefId="1534815" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-08-27T10:05:06Z" From="SafeSeaNet" To="GRPIR01"/> </SSN_Receipt></pre>

S1903-04	Message-based mechanism sending Exemption notification - normal flow UpdateStatus = N, ExemptionType= Waste	
Step	Action/Input	Result/output
S1903-04	<p>Input: The data provider is sending an MS2SSN_exemption not.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the exemption is valid according to specified business rules.</p>	
MS2SSN Notification	<pre><?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bQA" SentAt="2014-07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj222" UpdateStatus="N"> <ssn:VesselIdentification IMONumber="8829127" MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-16" DateTo="2014-07-16" ExemptionType="Waste"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?> <SSN_Receipt xmlns="urn:eu.emsa.ssn"> <Header MSRefId="MSRefId_Not1bQA" SSNRefId="1527399" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-07-31T15:08:37Z" From="SafeSeaNet" To="GRPIR01"/> </SSN_Receipt></pre>	

S1903-05	Message-based mechanism sending Exemption notification , UpdateStatus = U, ExemptionType= Hazmat	
S1903-05	<p>Input: The data provider is sending an MS2SSN_exemption not.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the exemption is valid according to specified business rules.</p>	
MS2SSN Notification	<pre><?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bA" SentAt="2014-07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj111" UpdateStatus="U"> <ssn:VesselIdentification IMONumber="8829127" MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-16" DateTo="2014-07-16" ExemptionType="Hazmat"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?> <SSN_Receipt xmlns="urn:eu.emsa.ssn"> <Header MSRefId="MSRefId_Not1bA" SSNRefId="1527381" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-07-31T15:02:04Z" From="SafeSeaNet" To="GRPIR01"/> </SSN_Receipt></pre>	

S1903-06	Message-based mechanism sending Exemption notification, UpdateStatus = D ExemptionType= Security	
Step	Action/Input	Result/output
S1903-06	<p>Input: The data provider is sending an MS2SSN_exemption not.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the exemption is valid according to specified business rules.</p>	
MS2SSN Notification	<pre><?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1baQA" SentAt="2014-07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj111" UpdateStatus="D"> <ssn:VesselIdentification IMONumber="8829127" MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-17" DateTo="2014-07-17" ExemptionType="Security"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?> <SSN_Receipt xmlns="urn:eu.emsa.ssn"> <Header MSRefId="MSRefId_Not1baQA" SSNRefId="1527415" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-07-31T15:15:22Z" From="SafeSeaNet" To="GRPIR01"/> </SSN_Receipt></pre>	

Regarding the Test Case TC-1904 which should be also 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. If an Invalid notification is sent to SSN core the notification is rejected.

TC-1904 Scenarios - Invalid scenarios	
Test Id	Description
S1904-01	Message-based mechanism sending Exemption notification – MSRefID repeated
S1904-02	Message-based mechanism sending Exemption notification – no ExemptionId provided
S1904-03	Message-based mechanism sending Exemption notification – no UpdateStatus provided
S1904-04	Message-based mechanism sending Exemption notification – with UpdateStatus = 'U' or 'D' but with an ExemptionId not sent previously
S1904-05	Message-based mechanism sending Exemption notification – with UpdateStatus = 'N' but with an ExemptionId already sent previously
S1904-06	Message-based mechanism sending Exemption notification – VesselIdentification element is not included and UpdateStatus = ('N' or 'U')
S1904-07	Message-based mechanism sending Exemption notification – type hazmat with UpdateStatus = ('N' or 'U') and another hazmat exemption was sent previously for the vessel for the same dates
S1904-08	Message-based mechanism sending Exemption notification – type portplus with UpdateStatus = ('N' or 'U') and another portplus exemption was sent previously for the vessel for the same dates

S1904-09	Message-based mechanism sending Exemption notification – type security with UpdateStatus =(‘N’ or ‘U’) and another security exemption was sent previously for the vessel for the same dates
S1904-10	Message-based mechanism sending Exemption notification – type waste with UpdateStatus =(‘N’ or ‘U’) and another waste exemption was sent previously for the vessel for the same dates
S1904-11	Message-based mechanism sending Exemption notification – invalid IMO (less than 7 characters)
S1904-12	Message-based mechanism sending PortPlus notification – no IMO nor MMSI in the vessel identification
S1904-13	Message-based mechanism sending PortPlus notification – with UpdateStatus =(‘N’ or ‘U’) and the ExemptionDetails element is not included
S1904-14	Message-based mechanism sending PortPlus notification – with the ExemptionDetails element and DateTo before DateFrom
S1904-15	Message-based mechanism sending PortPlus notification – with less than two scheduled locations (Port attribute) are defined

S1904-01	Message-based mechanism sending Exemption notification – MSRefID repeated	
Step	Action/Input	Result/output
S1904-01	Input: The data provider is sending an MS2SSN_exemption not. Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="Invalid". The SSN_Receipt verifies that the exemption is not valid according to specified business rules.	
MS2SSN Notification	<pre><?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bcdQA" SentAt="2014-07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj12122" UpdateStatus="N"> <ssn:VesselIdentification IMONumber="8829127" MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-19" DateTo="2014-07-19" ExemptionType="Pre-Arrival"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="3.0" SentAt="2015-01-26T08:43:00Z" From="SafeSeaNet" To="GRPIR01" MSRefId="MSRefId_Not1bcdQA" SSNRefId="1574684" StatusCode="InvalidFormat" StatusMessage="The message identified by MSRefId [MSRefId_Not1bcdQA] has already been registered in SSN (sent by [GRPIR01])"/></SSN_Receipt></pre>	

S1904-02	Message-based mechanism sending Exemption notification – no ExemptionId provided	
Step	Action/Input	Result/output
S1904-02	Input: The data provider is sending an MS2SSN_exemption not. Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="Invalid". The SSN_Receipt verifies that the exemption is not valid according to specified business rules.	
MS2SSN Notification	<pre><?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bcdQA13" SentAt="2014-07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption UpdateStatus="N"> <ssn:VesselIdentification IMONumber="8829127" MMSINumber="261000130"/> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not></pre>	

	<pre> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-19" DateTo="2014-07-19" ExemptionType="Pre-Arrival"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="3.0" SentAt="2015-01-26T08:48:41Z" From="SafeSeaNet" To="NotAvailable" MSRefId="N/A" SSNRefId="1574690" StatusCode="InvalidFormat" StatusMessage="[Exception [EclipseLink-25004] (Eclipse Persistence Services - 2.5.2.v20140319-9ad6abd): org.eclipse.persistence.exceptions.XMLMarshalException&#xa;Exception Description: An error occurred unmarshalling the document&#xa;Internal Exception: org.xml.sax.SAXParseException"/></SSN_Receipt> </pre>

S1904-03	Message-based mechanism sending Exemption notification – no UpdateStatus provided	
Step	Action/Input	Result/output
S1904-03	<p>Input: The data provider is sending an MS2SSN_exemption not.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="Invalid". The SSN_Receipt verifies that the exemption is not valid according to specified business rules.</p>	
MS2SSN Notification	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bcdQA15" SentAt="2014-07- 31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj12122" > <ssn:VesselIdentification IMONumber="8829127" MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-19" DateTo="2014-07-19" ExemptionType="Pre-Arrival"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not> </pre>	
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="3.0" SentAt="2015-01-26T08:55:19Z" From="SafeSeaNet" To="NotAvailable" MSRefId="N/A" SSNRefId="1574694" StatusCode="InvalidFormat" StatusMessage="[Exception [EclipseLink-25004] (Eclipse Persistence Services - 2.5.2.v20140319-9ad6abd): org.eclipse.persistence.exceptions.XMLMarshalException&#xa;Exception Description: An error occurred unmarshalling the document&#xa;Internal Exception: org.xml.sax.SAXParseException"/></SSN_Receipt> </pre>	

S1904-04	Message-based mechanism sending Exemption notification – with UpdateStatus = 'U' or 'D' but with an ExemptionId not sent previously	
Step	Action/Input	Result/output
S1904-04	<p>Input: The data provider is sending an MS2SSN_exemption not.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="Invalid". The SSN_Receipt verifies that the exemption is not valid according to specified business rules.</p>	
MS2SSN Notification	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bcdQA16" SentAt="2014-07- 31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj121229999" UpdateStatus="U"> <ssn:VesselIdentification IMONumber="8829127" </pre>	

	<pre> MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-20" DateTo="2014-07-20" ExemptionType="Pre-Arrival"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="3.0" SentAt="2015-01-26T08:59:34Z" From="SafeSeaNet" To="GRPIR01" MSRefId="MSRefId_Not1bcdQA16" SSNRefId="1574700" StatusCode="InvalidFormat" StatusMessage="Exemption [exemptionId=EUhtUBIBj121229999] not registered in the SSN Central System"/></SSN_Receipt> </pre>

S1904-05	Message-based mechanism sending Exemption notification – with UpdateStatus = 'N' but with an ExemptionId already sent previously	
Step	Action/Input	Result/output
S1904-05	<p>Input: The data provider is sending an MS2SSN_exemption not.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="Invalid". The SSN_Receipt verifies that the exemption is not valid according to specified business rules.</p>	
MS2SSN Notification	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bcdQAaa" SentAt="2014- 07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj12122" UpdateStatus="N"> <ssn:VesselIdentification IMONumber="8829127" MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-19" DateTo="2014-07-19" ExemptionType="Pre-Arrival"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not> </pre>	
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="3.0" SentAt="2015-01-26T09:01:45Z" From="SafeSeaNet" To="GRPIR01" MSRefId="MSRefId_Not1bcdQAaa" SSNRefId="1574702" StatusCode="InvalidFormat" StatusMessage="Exemption [exemptionId=EUhtUBIBj12122] already registered in the SSN Central System"/></SSN_Receipt> </pre>	

S1904-06	Message-based mechanism sending Exemption notification – VesselIdentification element is not included and UpdateStatus = ('N' or 'U')	
Step	Action/Input	Result/output
S1904-06	<p>Input: The data provider is sending an MS2SSN_exemption not.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="Invalid". The SSN_Receipt verifies that the exemption is not valid according to specified business rules.</p>	
MS2SSN Notification	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bcdQAWWW12" SentAt="2014-07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj12122" UpdateStatus="N"> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-19" </pre>	

	DateTo="2014-07-19" ExemptionType="Pre-Arrival"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not>
SSN_Receipt	<?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="3.0" SentAt="2015-01-26T09:07:55Z" From="SafeSeaNet" To="GRPIR01" MSRefId="MSRefId_Not1bcdQAWWW12" SSNRefId="1574708" StatusCode="InvalidFormat" StatusMessage="A vessel notification must have at least one of IMO or MMSI number"/></SSN_Receipt>

S1904-07	Message-based mechanism sending Exemption notification – type hazmat with UpdateStatus =(‘N’ or ‘U’) and another hazmat exemption was sent previously for the vessel for the same dates	
Step	Action/Input	Result/output
S1904-07	Input: The data provider is sending an MS2SSN_exemption not. Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="Invalid". The SSN_Receipt verifies that the exemption is not valid according to specified business rules.	
MS2SSN Notification	<?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bcQAPPL" SentAt="2014- 07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj1222" UpdateStatus="N"> <ssn:VesselIdentification IMONumber="8829127" MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-16" DateTo="2014-07-16" ExemptionType="Hazmat"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not>	
SSN_Receipt	<?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="3.0" SentAt="2015-01-26T09:11:10Z" From="SafeSeaNet" To="GRPIR01" MSRefId="MSRefId_Not1bcQAPPL" SSNRefId="1574712" StatusCode="InvalidFormat" StatusMessage="Exemption [exemptionId=EUhtUBIBj1222] already registered in the SSN Central System"/></SSN_Receipt>	

S1904-08	Message-based mechanism sending Exemption notification – type portplus with UpdateStatus =(‘N’ or ‘U’) and another portplus exemption was sent previously for the vessel for the same dates	
Step	Action/Input	Result/output
S1904-08	Input: The data provider is sending an MS2SSN_exemption not. Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="Invalid". The SSN_Receipt verifies that the exemption is not valid according to specified business rules.	
MS2SSN Notification	<?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bcdQA0011" SentAt="2014-07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj121221" UpdateStatus="U"> <ssn:VesselIdentification IMONumber="8829127"	

	<pre> MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-19" DateTo="2014-07-19" ExemptionType="Pre-Arrival"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="3.0" SentAt="2015-01-26T09:17:46Z" From="SafeSeaNet" To="GRPIR01" MSRefId="MSRefId_Not1bcdQA0011" SSNRefId="1574718" StatusCode="InvalidFormat" StatusMessage="A portplus exemption for the vessel on these dates already exists"/></SSN_Receipt> </pre>

S1904-09	Message-based mechanism sending Exemption notification – type security with UpdateStatus =(‘N’ or ‘U’) and another security exemption was sent previously for the vessel for the same dates	
Step	Action/Input	Result/output
S1904-09	<p>Input: The data provider is sending an MS2SSN_exemption not.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="Invalid". The SSN_Receipt verifies that the exemption is not valid according to specified business rules.</p>	
MS2SSN Notification	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1rty2" SentAt="2014-07- 31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj1112" UpdateStatus="U"> <ssn:VesselIdentification IMONumber="8829127" MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-17" DateTo="2014-07-17" ExemptionType="Security"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not> </pre>	
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="3.0" SentAt="2015-01-26T09:25:01Z" From="SafeSeaNet" To="GRPIR01" MSRefId="MSRefId_Not1rty2" SSNRefId="1574722" StatusCode="InvalidFormat" StatusMessage="A security exemption for the vessel on these dates already exists"/></SSN_Receipt> </pre>	

S1904-10	Message-based mechanism sending Exemption notification – type waste with UpdateStatus =(‘N’ or ‘U’) and another waste exemption was sent previously for the vessel for the same dates	
Step	Action/Input	Result/output
S1904-10	<p>Input: The data provider is sending an MS2SSN_exemption not.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="Invalid". The SSN_Receipt verifies that the exemption is not valid according to specified business rules.</p>	
MS2SSN Notification	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bQA1" SentAt="2014-07- 31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj2223" UpdateStatus="U"> </pre>	

	<pre> <ssn:VesselIdentification IMONumber="8829127" MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-16" DateTo="2014-07-16" ExemptionType="Waste"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="3.0" SentAt="2015-01-26T09:27:26Z" From="SafeSeaNet" To="GRPIR01" MSRefId="MSRefId_Not1bQA1" SSNRefId="1574724" StatusCode="InvalidFormat" StatusMessage="A waste exemption for the vessel on these dates already exists"/></SSN_Receipt> </pre>

S1904-11	Message-based mechanism sending Exemption notification – invalid IMO (less than 7 characters)	
Step	Action/Input	Result/output
S1904-11	<p>Input: The data provider is sending an MS2SSN_exemption not.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="Invalid". The SSN_Receipt verifies that the exemption is not valid according to specified business rules.</p>	
MS2SSN Notification	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bcdQA1" SentAt="2014-07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj12122" UpdateStatus="N"> <ssn:VesselIdentification IMONumber="882912" MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-19" DateTo="2014-07-19" ExemptionType="Pre-Arrival"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not> </pre>	
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="3.0" SentAt="2015-01-26T09:29:47Z" From="SafeSeaNet" To="NotAvailable" MSRefId="N/A" SSNRefId="1574726" StatusCode="InvalidFormat" StatusMessage="[Exception [EclipseLink-25004] (Eclipse Persistence Services - 2.5.2.v20140319-9ad6abd): org.eclipse.persistence.exceptions.XMLMarshalException;Exception Description: An error occurred unmarshalling the document;Internal Exception: org.xml.sax.SAXParseException"/></SSN_Receipt> </pre>	

S1904-12	Message-based mechanism sending PortPlus notification – no IMO nor MMSI in the vessel identification	
Step	Action/Input	Result/output
S1904-12	<p>Input: The data provider is sending an MS2SSN_exemption not.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="Invalid". The SSN_Receipt verifies that the exemption is not valid according to specified business rules.</p>	

MS2SSN Notification	<pre><?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bcdQA12" SentAt="2014-07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj12122" UpdateStatus="N"> <ssn:VesselIdentification ShipName="MAJA"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-19" DateTo="2014-07-19" ExemptionType="Pre-Arrival"> <ssn:Route Port="BE111"/> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="3.0" SentAt="2015-01-26T10:21:39Z" From="SafeSeaNet" To="GRPIR01" MSRefId="MSRefId_Not1bcdQA12" SSNRefId="1574728" StatusCode="InvalidFormat" StatusMessage="The Vessel Identification must have quoted at least one of IMO or MMSI numbers"/></SSN_Receipt></pre>

S1904-13	Message-based mechanism sending PortPlus notification – with UpdateStatus =(‘N’ or ‘U’) and the ExemptionDetails element is not included	
Step	Action/Input	Result/output
S1904-13	<p>Input: The data provider is sending an MS2SSN_exemption not.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="Invalid". The SSN_Receipt verifies that the exemption is not valid according to specified business rules.</p>	
MS2SSN Notification	<pre><?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bcdQAee" SentAt="2014-07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj12122" UpdateStatus="N"> <ssn:VesselIdentification IMONumber="8829127" MMSINumber="261000130"/> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="3.0" SentAt="2015-01-26T10:24:23Z" From="SafeSeaNet" To="GRPIR01" MSRefId="MSRefId_Not1bcdQAee" SSNRefId="1574732" StatusCode="InvalidFormat" StatusMessage="The notification must have quoted exemption details"/></SSN_Receipt></pre>	

S1904-14	Message-based mechanism sending PortPlus notification – with the ExemptionDetails element and DateTo before DateFrom	
Step	Action/Input	Result/output
S1904-14	<p>Input: The data provider is sending an MS2SSN_exemption not.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="Invalid". The SSN_Receipt verifies that the exemption is not valid according to specified business rules.</p>	
MS2SSN Notification	<pre><?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bcdQA22" SentAt="2014-07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj121221" UpdateStatus="N"> <ssn:VesselIdentification IMONumber="8829127" MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-19" DateTo="2014-07-17" ExemptionType="Pre-Arrival"> <ssn:Route Port="BE111"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not></pre>	

	<pre> <ssn:Route Port="BE888"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="3.0" SentAt="2015-01-26T10:26:22Z" From="SafeSeaNet" To="GRPIR01" MSRefId="MSRefId_Not1bcdQA22" SSNRefId="1574734" StatusCode="InvalidFormat" StatusMessage="Valid to date must be after Valid from date"/></SSN_Receipt> </pre>

S1904-15	Message-based mechanism sending PortPlus notification – with less than two scheduled locations (Port attribute) are defined	
Step	Action/Input	Result/output
S1904-15	<p>Input: The data provider is sending an MS2SSN_exemption not.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="Invalid". The SSN_Receipt verifies that the exemption is not valid according to specified business rules.</p>	
MS2SSN Notification	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_Exemption_Not xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="GRPIR01" MSRefId="MSRefId_Not1bcdQAvv" SentAt="2014-07-31T10:00:00Z" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:Exemption ExemptionID="EUhtUBIBj121224" UpdateStatus="N"> <ssn:VesselIdentification IMONumber="8829127" MMSINumber="261000130"/> <ssn:ExemptionDetails CompanyName="ii" DateFrom="2014-07-19" DateTo="2014-07-19" ExemptionType="Pre-Arrival"> <ssn:Route Port="BE111"/> <ssn:Authority AuthorityName="SafeSeaNet" AuthorityType="NCA" Country="BE"/> <ssn:Contact247 EMail="aggelos.argyropoulos@intrasoft-intl.com" Fax="+351211209415" FirstName="SafeSeaNet" LastName="EMSA" LoCode="EUCOM" Phone="+351211209415"/> </ssn:ExemptionDetails> </ssn:Exemption> </ssn:Body> </ssn:MS2SSN_Exemption_Not> </pre>	
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header Version="3.0" SentAt="2015-01-26T10:29:17Z" From="SafeSeaNet" To="NotAvailable" MSRefId="N/A" SSNRefId="1574740" StatusCode="InvalidFormat" StatusMessage="[Exception [EclipseLink-25004] (Eclipse Persistence Services - 2.5.2.v20140319-9ad6abd): org.eclipse.persistence.exceptions.XMLMarshalException&#xa;Exception Description: An error occurred unmarshalling the document&#xa;Internal Exception: org.xml.sax.SAXParseException"/></SSN_Receipt> </pre>	

5.3. REQUEST OF PORTPLUS NOTIFICATIONS

Use Case Description

This relates to requesting the details of a ship voyage sent previously to SSN Central. More specifically, the data requestor will send a MS2SSN_ShipCall_Req message to SSN Central that in return will respond with the SSN2MS_ShipCall_Res message providing the details requested.

As the data provider holds some of the details of a PortPlus notification, SSN will search in its index server to check how to get the details from the data provider (xml) and return the details to the data requester. The tester shall contact the MSS support for details on what data to request for details. The MSS will provide the details of the vessels for which ship call information have previously been reported to SSN Central and can be used for each test scenario.

To test the scenarios defined hereunder for each test case contain the MS2SSN_ShipCall_Req send from the data requestor and the SSN2MS_ShipCall_Res which is expected from the SSN Central in response. The primary scope of these tests is to verify the MS compliance to request in XML the details for a PortPlus notification previously sent to SSN.

The permission required for a user to request for details is the permission of "SHIPCALL_REQUESTOR", HAZMAT_REQUESTOR, SECURITY REQUESTOR and WASTE_REQUESTOR..

The NCA shall define the interface (XML or SOAP) by choosing the proper protocol type in the drop-down list shown in Figure 5:

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- 3601	XML interface requesting ShipCall for ExpectedCallOfSelectedShip
TC- 3602	XML interface requesting ShipCall for MostRecentArrivalOfSelectedShip
TC- 3603	XML interface requesting ShipCall for MostRecentDepartureOfSelectedShip
TC- 3604	XML interface requesting ShipCall for RecentAndCurrentShipCallOfSelectedShips
TC- 3605	XML interface requesting ShipCall for ExpectedShipCallsAtEUPort
TC- 3606	XML interface requesting ShipCall for CurrentShipCallsAtEUPort
TC- 3607	XML interface requesting ShipCall for CompletedShipCallsAtEUPort
TC- 3608	XML interface requesting ShipCall for LatestCallUpdates
TC- 3609	XML interface requesting ShipCall for ListExpectedCallsOfSelectedShip
TC- 3610	XML interface requesting ShipCall for SelectedShipCall
TC- 3611	XML interface requesting ShipCall for GetActiveHazmatForSelectedShip
TC- 3612	XML interface requesting ShipCall for GetActiveSecurityForSelectedShip
TC- 3613	XML interface requesting ShipCall for GetActiveWasteForSelectedShip

Test Scenarios

The available test cases are further extended into separate test scenarios with different input in order to trigger the validation of additional business processes extending the “normal” flow of events.

Each of the test scenarios can be tested by a valid account belonging to different types of authorities such as NCA, POR, PSC or CST. You have the option to repeat the test scenarios listed below in order to use an account of a different authority type.

Test Id	Description
S3601-01	MS2SSN_Req XML interface requesting ShipCall for ExpectedCallOfSelectedShip – Get Hazmat details in order to obtain HazmatTowardPortOfCall
S3601-02	MS2SSN_Req XML interface requesting ShipCall for ExpectedCallOfSelectedShip – Get Waste details
S3601-03	MS2SSN_Req XML interface requesting ShipCall for ExpectedCallOfSelectedShip – Get Security details
S3601-04	XML interface requesting ShipCall for ExpectedCallOfSelectedShip– Do not Get Hazmat neither Waste nor Security details
S3601-05	MS2SSN_Req XML interface requesting ShipCall for ExpectedCallOfSelectedShip – Invalid format: Start DateTime < (SentAt-30)
S3601-06	MS2SSN_Res XML interface requesting ShipCall for ExpectedCallOfSelectedShip – Get Hazmat details – for which SSN doesn't have any information, answering with StatusCode=NotFound

Test Id	Description
S3602-01	MS2SSN_Req XML interface requesting ShipCall for MostRecentArrivalOfSelectedShip – Get Hazmat details
	Message-based mechanism response to ShipCall request for MostRecentArrivalOfSelectedShip – Get Hazmat details
S3602-02	MS2SSN_Req XML interface requesting ShipCall for MostRecentArrivalOfSelectedShip – Get Waste details
	Message-based mechanism response to ShipCall request for MostRecentArrivalOfSelectedShip – Get Waste details
S3602-03	MS2SSN_Req XML interface requesting ShipCall for MostRecentArrivalOfSelectedShip – Get Security details
	Message-based mechanism response to ShipCall request for MostRecentArrivalOfSelectedShip – Get Security details
S3602-04	XML interface requesting ShipCall for MostRecentArrivalOfSelectedShip – Do not Get Hazmat neither Waste nor Security details
S3602-05	MS2SSN_Req XML interface requesting ShipCall for MostRecentArrivalOfSelectedShip – Invalid format: StartDateTime < SentAt-30 days or StartDateTime > SentAt

Test Id	Description
S3603-01	MS2SSN_Req XML interface requesting ShipCall for MostRecentDepartureOfSelectedShip – Get Hazmat details
	Message-based mechanism response to ShipCall request for MostRecentDepartureOfSelectedShip – Get Hazmat details
S3603-02	XML interface requesting ShipCall for MostRecentDepartureOfSelectedShip– Do not Get Hazmat
S3603-03	MS2SSN_Req XML interface requesting ShipCall for MostRecentDepartureOfSelectedShip – Invalid format: StartDateTime > SentAt or StartDateTime < SentAt-30 days

Test Id	Description
S3604-01	XML interface requesting ShipCall for RecentAndCurrentShipCallOfSelectedShips
S3604-02	XML interface requesting ShipCall for RecentAndCurrentShipCallOfSelectedShips - Invalid format: EndDateTime - StartDateTime > 30days

Test Id	Description
S3605-01	XML interface requesting ShipCall for ExpectedShipCallsAtEUPort
S3605-02	XML interface requesting ShipCall for ExpectedShipCallsAtEUPort - Invalid format: ZZUKN for PortOfCall

Test Id	Description
S3606-01	XML interface requesting ShipCall for CurrentShipCallsAtEUPort
S3606-02	XML interface requesting ShipCall for CurrentShipCallsAtEUPort - Access Denied: user without access rights (LCA type Port ≠ PortOfCall)
S3606-03	XML interface requesting ShipCall for CurrentShipCallsAtEUPort - Invalid format: StartDateTime older than the last 30days
S3606-04	XML interface requesting ShipCall for CurrentShipCallsAtEUPort - Not Found: no current ShipCall found for a given port.

Test Id	Description
S3607-01	XML interface requesting ShipCall for CompletedShipCallsAtEUPort
S3607-02	XML interface requesting ShipCall for CompletedShipCallsAtEUPort - Invalid format: StartDateTime older than the last 30 days

Test Id	Description
S3608-01	XML interface requesting ShipCall for LatestCallUpdates
S3608-02	XML interface requesting ShipCall for LatestCallUpdates - Invalid format: EndDateTime and StartDateTime older than the last 24 hours

Test Id	Description
S3609-01	XML interface requesting ShipCall for ListExpectedCallsOfSelectedShip
S3609-02	XML interface requesting ShipCall for ListExpectedCallsOfSelectedShip - Invalid format: StartDateTime > Sentat+30days

Test Id	Description
S3610-01	XML interface requesting ShipCall for SelectedShipCall
S3610-02	XML interface requesting ShipCall for SelectedShipCall -- Get Hazmat details Message-based mechanism response to ShipCall request for SelectedShipCall - Get Hazmat details
S3610-03	XML interface requesting ShipCall for SelectedShipCall -- Get Waste details Message-based mechanism response to ShipCall request for SelectedShipCall - Get Waste details
S3610-04	XML interface requesting ShipCall for SelectedShipCall -- Get Security details Message-based mechanism response to ShipCall request for SelectedShipCall - Get Security details
S3610-05	XML interface requesting ShipCall for SelectedShipCall - invalid format (details in req/res XML) - no/invalid SearchCriteria

Test Id	Description
S3611-01	XML interface requesting ShipCall for GetActiveHazmatForSelectedShip Message-based mechanism response to ShipCall request for GetActiveHazmatForSelectedShip - Get Hazmat details
S3611-02	XML interface requesting ShipCall for GetActiveHazmatForSelectedShip - invalid format StartDateTime < (SentAt-7days)

Test Id	Description
S3612-01	XML interface requesting ShipCall for GetActiveSecurityForSelectedShip Message-based mechanism response to ShipCall request for GetActiveSecurityForSelectedShip - Get Security details
S3612-02	XML interface requesting ShipCall for GetActiveSecurityForSelectedShip - invalid format StartDateTime < (SentAt-7days)

Test Id	Description
S3613-01	XML interface requesting ShipCall for GetActiveWasteForSelectedShip Message-based mechanism response to ShipCall request for GetActiveWasteForSelectedShip – Get Waste details
S3613-02	XML interface requesting ShipCall for GetActiveWasteForSelectedShip – invalid format StartDateTime < (SentAt-7days)

Scenario Details

The detailed description of each scenario consists of:

- Step number
- The action required from the NCA application
- The expected result from the EIS
- Checkpoints

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

- Actual result
- Comments (if any)

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

To test the invalid XML message flow, you must provide an XML message containing invalid data to trigger a SSN_Receipt invalid.

For each test scenario the XML messages in and out are described in details in the XML Reference Guide document:

- Receipt acknowledgement: SSN_Receipt
- Response to a Request for details: SSN2MS_ShipCall_Res

S3601-01	MS2SSN_Req XML interface requesting ShipCall for ExpectedCallOfSelectedShip– Get Hazmat details in order to obtain HazmatTowardPortOfCall (a)	
S3601-02	MS2SSN_Req XML interface requesting ShipCall for ExpectedCallOfSelectedShip Get Waste details (a)	
S3601-03	MS2SSN_Req XML interface requesting ShipCall for ExpectedCallOfSelectedShip– Get Security details (a)	
S3601-04	XML interface requesting ShipCall for ExpectedCallOfSelectedShip– Do not Get Hazmat neither Waste nor Security details (d)	
S3601-05	MS2SSN_Req XML interface requesting ShipCall for ExpectedCallOfSelectedShip – Invalid format: Start DateTime<(SentAt-30) (e)	
S3601-06	MS2SSN_Res XML interface requesting ShipCall for ExpectedCallOfSelectedShip – Get Hazmat details – for which SSN doesn't have any information, answering with StatusCode=NotFound (f)	
Step	Action/Input	Result/output
1	NCA App send out XML message to SSN	
2	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
3	SSN processes the contents of the XML message	Contents are non-conflicting, data provider is deduced
4	SSN processes data provider accessibility	
5a	Data provider offers XML interface	
5e	SSN cannot process XML message	Invalid parameters
5f	SSN cannot process XML message	Notification not found
6a	SSN establishes connection with data provider NCA App	Connection established
7a	SSN transmits XML message requesting notification details	XML message is validated against XML schema / well-formed + valid
8a	NCA App sends back XML message with latest details	
9a	SSN forwards XML message with notification details (including Hazmat/Waste/Security details) to NCA	

	App	
9d	SSN forwards XML message with notification details (no Hazmat/Waste/Security details) to NCA App	
9e	SSN sends back XML message with status code InvalidFormat	
9f	SSN sends back XML message with status code NotFound	
10a, d	NCA App receives XML message with Provider info	XML message is validated against XML schema / well-formed + valid
10e	NCA App receives XML message with status code InvalidFormat	XML message is validated against XML schema / well-formed + valid
10f	NCA App receives XML message with status code NotFound	XML message is validated against XML schema / well-formed + valid
11	NCA App ends activity	
Sample XML messages		
S3601-01	<p>Precondition: A ShipCall for a vessel exists.</p> <p>Input: The data provider is sending an MS2SSN_ShipCall_Req for a vessel.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Req message is received and is a valid XML message. The data provider receives asynchronously an SSN2MS_ShipCall_Res from SSN with StatusCode=" OK".</p>	
MS2SSN Request	<pre><?xml version="1.0" encoding="UTF-8" ?> <ssn:MS2SSN_ShipCall_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header Version="3.0" TestId="GRPIR01" SentAt="2014-08-24T09:05:00Z" From="GRPIR01" To="SafeSeaNet" MSRefId="MS2SSN_ShipCall_Req S3601-01" TimeoutValue="30" /> <ssn:Body> <ssn:RequiredResponseCriteria> <ssn:ShipCallResp GetDetails="ExpectedCallOfSelectedShip" GetHazmat="HazmatDetails" /> <ssn:SearchCriteria> <ssn:TimePeriodCriteria StartDateTime="2014-07-30T10:05:00Z" /> <ssn:ShipIdentificationCriteria IMONumber="9332511"/> </ssn:SearchCriteria> </ssn:RequiredResponseCriteria> </ssn:Body> </ssn:MS2SSN_ShipCall_Req></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req S3601-01" SSNRefId="1535334" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" TestId="GRPIR01" SentAt="2014-08-28T10:21:08Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt></pre>	
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?> <SSN2MS_ShipCall_Res xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:eu.emsa.ssn ssn.xsd"> <Header From="SafeSeaNet" MSRefId="MS2SSN_ShipCall_Req S3601-01" SSNRefId="MS2SSN_ShipCall_Req S3601-01" SentAt="2014-08-24T10:00:00Z" StatusCode="OK" TestId="GRPIR01" To="GRPIR01" Version="3.0"/> <Body> <ProvidedResponseCriteria> <ShipCallResp GetDetails="ExpectedCallOfSelectedShip" GetHazmat="HazmatDetails"/> <SearchCriteria> <TimePeriodCriteria StartDateTime="2014-07-30T10:05:00Z"/> <ShipIdentificationCriteria IMONumber="9332511"/> </SearchCriteria> </ProvidedResponseCriteria> <QueryResults> <PortPlusNotificationList> <Source LastUpdateReceivedAt="2014-08-22T10:01:49Z" ProviderOfLastUpdate="GRPIR01" /> <VesselIdentification IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALESI" Flag="GR"/> <VoyageInformation ShipCallId="sc16062014ts2" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" PortFacility="1212" ETDFromLastPort="2014-07-16T12:00:00" ETAToPortOfCall="2014-08-14T12:00:00" ETDFromPortOfCall="2014-07-18T12:00:00" BriefCargoDescription="desc"/> <PreArrival3DaysNotificationDetails CargoVolumeNature="12" PlannedOperations="testp" PlannedWorks="testw" ConditionCargoBallastTanks="testcond" PossibleAnchorage="N" ShipConfiguration="DHT"/> </PortPlusNotificationList></pre>	

	<pre> <PortPlusNotificationDetails> <Exemptions> <ExemptionDetails CompanyName="COMP2" DateFrom="2014-11-10" DateTo="2014-11-19" ExemptionType="Hazmat"> <Route Port="GREDI"/><Route Port="GRPIR"/> <Authority AuthorityName="testauth" AuthorityType="NCA" Country="GR"/> <Contact247 EMail="test@test.gr" Fax="2104578963" FirstName="Mike" LastName="George" LoCode="GRPIR" Phone="2104578963"/> </ExemptionDetails></Exemptions> <HazmatInformation><HazmatSummary INFShipClass="INF1"> <DG DGClassification="IMDG"/> </HazmatSummary><HazmatDetails> <Source LastUpdateReceivedAt="2014-10-31T12:00:00" ProviderOfLastUpdate="SSNADMIN" ShipCallId="GREGT"/> <CargoInformation><Consignment TransportDocumentID="transportDocId" PortOfLoading="GRPIR" PortOfDischarge="GRITA"> <DPGItem DGClassification="IMDG" TextualReference="textref" UNNumber="5555" PackingGroup="II" FlashPoint="30" PackageType="1B" TotalNumberOfPackages="40" AdditionalInformation="additional info"><EmS EmSNumber="F-A"/> <SubsidiaryRisks SubsidiaryRisk="subsidiaryRisk1"/> <TotalQuantityGross Quantity="123.12" UnitOfMeasurement="KGM"/> <TotalQuantityNet Quantity="103.12" UnitOfMeasurement="KGM"/> <TransportEquipmentUnit LocationOnBoard="WED" NoOfPackages="10" TransUnitId="transUnitId"> <QuantityGross Quantity="123.12" UnitOfMeasurement="KGM"/> <QuantityNet Quantity="103.12" UnitOfMeasurement="KGM"/> </TransportEquipmentUnit> </DPGItem></Consignment></CargoInformation> </HazmatDetails> <CargoManifest><UrlDetails Url="https://templink.info.org" DocType="HTML"/></CargoManifest> </HazmatInformation> </PortPlusNotificationDetails></QueryResults></Body></SSN2MS_ShipCall_Res> </pre>
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S3602-01	MS2SSN_Req XML interface requesting ShipCall for MostRecentArrivalOfSelectedShip- Get Hazmat details (a)	
S3602-02	MS2SSN_Req XML interface requesting ShipCall for MostRecentArrivalOfSelectedShip- Get Waste details (a)	
S3602-03	MS2SSN_Req XML interface requesting ShipCall for MostRecentArrivalOfSelectedShip- Get Security details (a)	
S3602-04	XML interface requesting ShipCall for MostRecentArrivalOfSelectedShip- Do not Get Hazmat neither Waste nor Security details (b)	
S3602-05	MS2SSN_Req XML interface requesting ShipCall for MostRecentArrivalOfSelectedShip - Invalid format: StartDateTime < SentAt-30 days or StartDateTime > SentAt (c)	
Step	Action/Input	Result/output
1	NCA App send out XML message to SSN	
2	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
3	SSN processes the contents of the XML message	Contents are non-conflicting, data provider is deduced
4	SSN processes data provider accessibility	
5a	Data provider offers XML interface	
5e	SSN cannot process XML message	Invalid parameters
6a	SSN establishes connection with data provider NCA App	Connection established
7a	SSN transmits XML message requesting notification details	XML message is validated against XML schema / well-formed + valid
8a	NCA App sends back XML message with latest details	
9a	SSN forwards XML message with notification details (including Hazmat/Waste/Security details) to NCA App	
9b	SSN forwards XML message with notification details (no Hazmat/Waste/Security details) to NCA App	
9c	SSN sends back XML message with status code InvalidFormat	
10a, b	NCA App receives XML message with Provider info	XML message is validated against XML schema / well-formed + valid
10c	NCA App receives XML message with status code InvalidFormat	XML message is validated against XML schema / well-formed + valid

11	NCA App ends activity	
Sample XML messages		
S3602-01	<p>Precondition: A ShipCall for a vessel exists.</p> <p>Input: The data provider is sending an MS2SSN_ShipCall_Req for a vessel.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Req message is received and is a valid XML message. The data provider receives asynchronously an SSN2MS_ShipCall_Res from SSN with StatusCode=" OK".</p>	
MS2SSN Request	<pre><?xml version="1.0" encoding="UTF-8" ?> <ssn:MS2SSN_ShipCall_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header Version="3.0" TestId="GRPIR01" SentAt="2014-08-24T09:05:00Z" From="GRPIR01" To="SafeSeaNet" MSRefId="MS2SSN_ShipCall_Req_a14" TimeoutValue="30" /> <ssn:Body> <ssn:RequiredResponseCriteria> <ssn:ShipCallResp GetDetails="MostRecentArrivalOfSelectedShip" GetHazmat="HazmatDetails" /> <ssn:SearchCriteria> <ssn:TimePeriodCriteria StartDateTime="2014-07-30T10:05:00Z" /> <ssn:ShipIdentificationCriteria IMONumber="9332511"/> </ssn:SearchCriteria> </ssn:RequiredResponseCriteria> </ssn:Body> </ssn:MS2SSN_ShipCall_Req></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_a14" SSNRefId="1533424" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T12:39:18Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt></pre>	
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?> <SSN2MS_ShipCall_Res xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:eu.emsa.ssn ssn.xsd"> <Header From="SafeSeaNet" MSRefId=" MS2SSN_ShipCall_Req_a14" SSNRefId=" MS2SSN_ShipCall_Req_a14" SentAt="2014-08-24T10:00:00Z" StatusCode="OK" TestId="GRPIR01" To="GRPIR01" Version="3.0"/> <Body> <ProvidedResponseCriteria> <ShipCallResp GetDetails="MostRecentArrivalOfSelectedShip" GetHazmat="HazmatDetails"/> <SearchCriteria> <TimePeriodCriteria StartDateTime="2014-07-30T10:05:00Z" /> <ShipIdentificationCriteria IMONumber="9332511"/> </SearchCriteria> </ProvidedResponseCriteria> <QueryResults> <PortPlusNotificationList> <Source LastUpdateReceivedAt="2014-08-22T10:01:49Z" ProviderOfLastUpdate="GRPIR01" /> <VesselIdentification IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALEST" Flag="GR"/> <VoyageInformation ShipCallId="sc16062014ts2" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" PortFacility="1212" /> <HazmatConfirmation HazmatOnBoardYorN="Y"/> </PortPlusNotificationList> <PortPlusNotificationDetails> <Exemptions> <ExemptionDetails CompanyName="COMP2" DateFrom="2014-11-10" DateTo="2014-11-19" ExemptionType="Hazmat"> <Route Port="GREDI"/> <Route Port="GRPIR"/> <Authority AuthorityName="testauth" AuthorityType="NCA" Country="GR"/> <Contact247 EMail="test@test.gr" Fax="2104578963" FirstName="Mike" LastName="George" LoCode="GRPIR" Phone="2104578963"/> </ExemptionDetails> </Exemptions> <HazmatInformation> <HazmatSummary INFShipClass="INF1"> <DG DGClassification="IMDG"/> </HazmatSummary> <HazmatDetails> <Source LastUpdateReceivedAt="2014-10-31T12:00:00" ProviderOfLastUpdate="SSNADMIN" ShipCallId="GREGT"/> <CargoInformation> <Consignment TransportDocumentID="transportDocId" PortOfLoading="GRPIR" PortOfDischarge="GRITA"></pre>	

	<pre> <DPGItem DGClassification="IMDG" TextualReference="textref" UNNumber="5555" PackingGroup="II" FlashPoint="30" MarpolCode="OS" PackageType="1B" TotalNumberOfPackages="40" AdditionalInformation="additional info"> <EmS EmSNumber="F-A"/> <SubsidiaryRisks SubsidiaryRisk="subsidiaryRisk1"/> <TotalQuantityGross Quantity="123.12" UnitOfMeasurement="KGM"/> <TotalQuantityNet Quantity="103.12" UnitOfMeasurement="KGM"/> <TransportEquipmentUnit LocationOnBoard="WED" NoOfPackages="10" TransUnitId="transUnitId"> <QuantityGross Quantity="123.12" UnitOfMeasurement="KGM"/> <QuantityNet Quantity="103.12" UnitOfMeasurement="KGM"/> </TransportEquipmentUnit> </DPGItem></Consignment></CargoInformation></HazardDetails> <CargoManifest> <UrlDetails Url="https://templink.info.org" DocType="HTML"/> </CargoManifest> </HazardInformation> </PortPlusNotificationDetails></QueryResults> </Body></SSN2MS_ShipCall_Res> </pre>
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S3602-01	Message-based mechanism response to ShipCall request for MostRecentArrivalOfSelectedShip – Get Hazmat details(d)	
S3602-02	Message-based mechanism response to ShipCall request for MostRecentArrivalOfSelectedShip – Get Waste details (e)	
S3602-03	Message-based mechanism response to ShipCall request for MostRecentArrivalOfSelectedShip – Get Security details (f)	
Step	Action/Input	Result/output
1	Login.	Login Success.
2	Select the Find Information > Voyage/Ship Information > Ship information for selected period > Current port of call, including Hazmat (based on ATA)	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(d)	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(e)	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(f)	Select Get Waste = "Waste Details"	The system shall list the ship call based on the search criteria. Ensure the ship call displayed is the one previously notified by you.
Click on the Details icon.	A SSN2MS_ShipCall_Req will be sent 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		
S3602-01	Input: SSN2MS_ ShipCall _Req from SSN for MostRecentArrivalOfSelectedShip – Get Hazmat details. Output: MS2SSN_ ShipCall _Res from the data provider.	
SSN2MS Request	<pre> <?xml version="1.0" encoding="UTF-8"?> <SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"> <Header TimeoutValue="30" SSNRefId="346353" Version="3.0" To="GRPIR01" </pre>	

	<p>SentAt="2014-08-28T10:21:08Z" From="SafeSeaNet"/> <Body> <Source Requestor="GRPIR01"/> <RequiredResponseCriteria> <ShipCallResp GetHazmat="HazmatDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <ssn:AdditionalSearchCriteria ShipCallId="sc16062014ts2" GetHazmatType="HazmatTowardNextPort"/> </SearchCriteria> </RequiredResponseCriteria> </Body> </SSN2MS_ShipCall_Req></p>
MS2SSN Response	<p><?xml version="1.0" encoding="UTF-8"?><urn:MS2SSN_ShipCall_Res xmlns:urn="urn:eu.emsa.ssn"> <urn:Header Version="3.0" SentAt="2014-08-07T10:00:00" From="GRPIR01" To="SafeSeaNet" MSRefId="AAAdTTyi5" SSNRefId="346353" StatusCode="OK"/> <urn:Body> <urn:ProvidedResponseCriteria> <!--Optional:--> <urn:ShipCallResp GetHazmat="HazmatDetails"/> <!--Optional:--> <urn:SearchCriteria> <!--Optional:--> <urn:ShipIdentificationCriteria IMONumber="9332511"/> <urn:AdditionalSearchCriteria ShipCallId="sc16062014ts2" GetHazmatType="HazmatTowardNextPort"/> </urn:SearchCriteria> </urn:ProvidedResponseCriteria> <!--Optional:--> <urn:QueryResults> <urn:VesselIdentification IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALESI" Flag="GR"/> <urn:VoyageInformation ShipCallId="sc16062014ts2" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" PortFacility="1212" ETDFromLastPort="2014- 07-16T12:00:00" ETAToPortOfCall="2014-08-14T12:00:00" NextPort="GRSAL" ETAToNextPort="2014-07-19T12:00:00" ETDFromPortOfCall="2014-07-18T12:00:00" BriefCargoDescription="desc" > <!--0 to 9 repetitions:--> <urn:PurposeOfCall CallPurposeCode="10"/> <urn:PurposeOfCall CallPurposeCode="11"/> </urn:VoyageInformation> <!--Optional:--> <urn:HazmatInformation> <!--Optional:--> <urn:HazmatSummary INFShipClass="INF1"> <!--0 to 99 repetitions:--> <urn:DG DGClassification="IMDG"/> </urn:HazmatSummary> <!--Optional:--> <urn:HazmatDetails> <urn:Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-08-06T10:00:00"/> <urn:CargoInformation> <!--Zero or more repetitions:--> <urn:Consignment TransportDocumentID="transportDocId" PortOfLoading="GRPIR" PortOfDischarge="GRITA"> <!--1 to 99 repetitions:--> <urn:DPGItem DGClassification="IMDG" TextualReference="textref" IMOHazardClass="1.1" UNNumber="5555" PackingGroup="II" FlashPoint="30" PackageType="1B" TotalNrOfPackages="40" AdditionalInformation="additional info"> <!--0 to 2 repetitions:--> <urn:EmS EmSNumber="S-A" /> <urn:EmS EmSNumber="F-A"/> <!--0 to 5 repetitions:--> <urn:SubsidiaryRisks SubsidiaryRisk="subsidiaryRisk1"/> <urn:SubsidiaryRisks SubsidiaryRisk="subsidiaryRisk2"/> <!--Optional:--> <urn:TotalQuantityGross UnitOfMeasurement="KGM" Quantity="396.24"/> <!--Optional:--> <urn:TotalQuantityNet UnitOfMeasurement="KGM" Quantity="396.24"/></p>

	<pre> <!--1 or more repetitions:--> <urn:TransportEquipmentUnit LocationOnBoard="WED" NoOfPackages="10" TransUnitId="transUnitId1"> <!--Optional:--> <urn:QuantityGross UnitOfMeasurement="KGM" Quantity="123.12"/> <!--Optional:--> <urn:QuantityNet UnitOfMeasurement="KGM" Quantity="123.12"/> </urn:TransportEquipmentUnit> <urn:TransportEquipmentUnit LocationOnBoard="LOE" NoOfPackages="20" TransUnitId="transUnitId2"> <!--Optional:--> <urn:QuantityGross UnitOfMeasurement="KGM" Quantity="150"/> <!--Optional:--> <urn:QuantityNet UnitOfMeasurement="KGM" Quantity="150"/> </urn:TransportEquipmentUnit> <!--Zero or more repetitions:--> <urn:TransportEquipmentUnit LocationOnBoard="LOE" NoOfPackages="10" TransUnitId="transUnitId3"> <!--Optional:--> <urn:QuantityGross UnitOfMeasurement="KGM" Quantity="123.12"/> <!--Optional:--> <urn:QuantityNet UnitOfMeasurement="KGM" Quantity="123.12"/> </urn:TransportEquipmentUnit> </urn:DPGItem> </urn:Consignment> </urn:CargoInformation> </urn:HazmatDetails> </urn:HazmatInformation> </urn:QueryResults> </urn:Body> </urn:MS2SSN_ShipCall_Res> </pre>
Sample XML messages	
S3602-02	<p>Input: SSN2MS_ShipCall_Req from SSN for MostRecentArrivalOfSelectedShip – Get Waste 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 TimeoutValue="30" SSNRefId="346354" Version="3.0" To="GRPIR01" SentAt="2014-08-28T10:21:08Z" From="SafeSeaNet"/> <:Body> < Source Requestor="GRPIR01"/> < RequiredResponseCriteria> < ShipCallResp GetWaste="WasteDetails"/> < SearchCriteria> < ShipIdentificationCriteria IMONumber="9332511" /> < AdditionalSearchCriteria ShipCallId="GRET"/> </ SearchCriteria> </ RequiredResponseCriteria> </ Body> </ SSN2MS_ShipCall_Req> </pre>
MS2SSN Response	<pre> <?xml version="1.0" encoding="UTF-8"?><urn:MS2SSN_ShipCall_Res xmlns:urn="urn:eu.emsa.ssn"> <urn:Header Version="3.0" SentAt="2014-08-05T10:00:00" From="GRPIR01" To="SafeSeaNet" MSRefId="Aklsf55sy" SSNRefId="346354" StatusCode="OK"/> <urn:Body> <urn:ProvidedResponseCriteria> <!--Optional:--> <urn:ShipCallResp GetWaste="WasteDetails"/> <!--Optional:--> <urn:SearchCriteria> <!--Optional:--> <urn:ShipIdentificationCriteria IMONumber="9332511"/> </urn:SearchCriteria> </urn:ProvidedResponseCriteria> <!--Optional:--> <urn:QueryResults> <urn:VesselIdentification IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALESI" Flag="GR"/> <urn:VoyageInformation ShipCallId=" GRET " LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" PortFacility="1212" ETDFromLastPort="2014-07-16T12:00:00" </pre>

	ETAToPortOfCall="2014-08-14T12:00:00" NextPort="GRSAL" ETAToNextPort="2014-07-19T12:00:00" ETDFromPortOfCall="2014-07-18T12:00:00" BriefCargoDescription="desc" PoBasinHazmatNotification="10"> <!--0 to 9 repetitions:--> <urn:PurposeOfCall CallPurposeCode="10"/> <urn:PurposeOfCall CallPurposeCode="11"/> </urn:VoyageInformation> <!--Optional:--> <urn:WasteInformation> <!--Optional:--> <urn:WasteSummary LastPortDelivered="GRITA" LastPortDeliveredDate="2014-07-16T12:00:00" WasteDeliveryStatus="All"/> <!--Optional:--> <urn:WasteDetails> <urn:Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-08-05T10:00:00"/> <!--Zero or more repetitions:--> <urn:WasteItem PortDeliveryRemainingWaste="GRPIR"> <urn:WasteType> <!--Optional:--> <urn:WasteCode>1100</urn:WasteCode> </urn:WasteType> <urn:ToBeDelivered UnitOfMeasurement="M3" Quantity="123.12"/> <!--Optional:--> <urn:MaxStorage UnitOfMeasurement="M3" Quantity="1200"/> <!--Optional:--> <urn:RetainedOnBoard UnitOfMeasurement="M3" Quantity="50"/> <!--Optional:--> <urn:EstimateGenerated UnitOfMeasurement="M3" Quantity="150"/> </urn:WasteItem> </urn:WasteDetails> </urn:WasteInformation> </urn:QueryResults> </urn:Body> </urn:MS2SSN_ShipCall_Res>
Sample XML messages	
S3602-03	Input: SSN2MS_ShipCall_Req from SSN for MostRecentArrivalOfSelectedShip – Get Security details. Output: MS2SSN_ShipCall_Res from the data provider.
SSN2MS Request	<?xml version="1.0" encoding="UTF-8"?> <SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"> <Header TimeoutValue="30" SSNRefId="346355" Version="3.0" To="GRPIR01" SentAt="2014-08-28T10:21:08Z" From="SafeSeaNet"/> < Body> < Source Requestor="GRPIR01"/> < RequiredResponseCriteria> < ShipCallResp GetSecurity="SecurityDetails"/> < SearchCriteria> < ShipIdentificationCriteria IMONumber="9332511" /> < AdditionalSearchCriteria ShipCallId="GRET"/> </ SearchCriteria> </ RequiredResponseCriteria> </ Body> </ SSN2MS_ShipCall_Req>
MS2SSN Response	<urn:MS2SSN_ShipCall_Res xmlns:urn="urn:eu.emsa.ssn"> <urn:Header Version="3.0" SentAt="2014-08-06T10:00:00" From="GRPIR01" To="SafeSeaNet" MSRefId="juy09875r" SSNRefId="346355" StatusCode="OK"/> <urn:Body> <urn:ProvidedResponseCriteria> <!--Optional:--> <urn:ShipCallResp GetSecurity="SecurityDetails"/> <!--Optional:--> <urn:SearchCriteria> <!--Optional:--> <urn:ShipIdentificationCriteria IMONumber="9332511"/> <urn:AdditionalSearchCriteria ShipCallId="GRET"/> </urn:SearchCriteria> </urn:ProvidedResponseCriteria> <!--Optional:--> <urn:QueryResults>

	<pre> <urn:VesselIdentification IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALESI" Flag="GR"/> <urn:VoyageInformation ShipCallId="sc16062014ts2" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" PortFacility="1212" ETDFromLastPort="2014- 07-16T12:00:00" ETAToPortOfCall="2014-08-14T12:00:00" NextPort="GRSAL" ETAToNextPort="2014-07-19T12:00:00" ETDFromPortOfCall="2014-07-18T12:00:00" BriefCargoDescription="desc" > <!--0 to 9 repetitions:--> <urn:PurposeOfCall CallPurposeCode="10"/> <urn:PurposeOfCall CallPurposeCode="11"/> </urn:VoyageInformation> <!--Optional:--> <urn:SecurityInformation> <!--Optional:--> <urn:SecuritySummary CurrentSecurityLevel="SL1"> <urn:AgentInPortAtArrival AgentName="TestName" Phone="2100000000" Fax="2100000001" EMail="test@test.com"/> </urn:SecuritySummary> <!--Optional:--> <urn:SecurityDetails ValidISSC="Y" ApprovedSecurityPlan="Y" SecurityRelatedMatterToReport="Security related matters"> <urn:Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-08- 06T10:00:00"/> <urn:CSO LastName="SafeSeaNet" Phone="+351211209415" Fax="+351211209415" EMail="aggelos.argyropoulos@intrisoft-intl.com"/> <!--Optional:--> <urn:ISSC ISSCType="Full" IssuerType="GVT" Issuer="issuer" ExpiryDate="2014- 09-06"/> <!--Zero or more repetitions:--> <urn:PreviousCallAtPortFacility Port="GRPIR" DateOfArrival="2014-08-06" DateOfDeparture="2014-08-07" PortFacility="1544" SecurityLevel="SL2" SpecialOrAdditionalSecurityMeasures="Special security measures"/> <!--Zero or more repetitions:--> <urn:ShipToShipActivity DateFrom="2014-08-06" DateTo="2014-08-07" Activity="14" SecurityMeasures="Security measures"> <urn:Location Latitude="80" Longitude="101" /> </urn:ShipToShipActivity> </urn:SecurityDetails> </urn:SecurityInformation> </urn:QueryResults> </urn:Body> </urn:MS2SSN_ShipCall_Res> </pre>
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S3603-01	MS2SSN_Req XML interface requesting ShipCall for MostRecentDepartureOfSelectedShip – Get Hazmat details (a)	
S3603-02	XML interface requesting ShipCall for MostRecentDepartureOfSelectedShip – Do not Get Hazmat (b)	
S3603-03	MS2SSN_Req XML interface requesting ShipCall for MostRecentDepartureOfSelectedShip – Invalid format: StartDateTime > SentAt or StartDateTime < SentAt-30 days (c)	
Step	Action/Input	Result/output
1	NCA App send out XML message to SSN	
2	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
3	SSN processes the contents of the XML message	Contents are non-conflicting, data provider is deduced
4	SSN processes data provider accessibility	
5a	Data provider offers XML interface	
5c	SSN cannot process XML message	Invalid parameters
6a	SSN establishes connection with data provider NCA App	Connection established
7a	SSN transmits XML message requesting notification details	XML message is validated against XML schema / well-formed + valid
8a	NCA App sends back XML message with latest details	
9a	SSN forwards XML message with notification details (including Hazmat/Waste/Security details) to NCA App	
9b	SSN forwards XML message with notification details (no Hazmat) to NCA	

	App	
9c	SSN sends back XML message with status code InvalidFormat	
10a, b	NCA App receives XML message with Provider info	XML message is validated against XML schema / well-formed + valid
10c	NCA App receives XML message with status code InvalidFormat	XML message is validated against XML schema / well-formed + valid
11	NCA App ends activity	
Sample XML messages		
S3603-01	<p>Precondition: A ShipCall for a vessel exists.</p> <p>Input: The data provider is sending an MS2SSN_ShipCall_Req for a vessel.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Req message is received and is a valid XML message. The data provider receives asynchronously an SSN2MS_ShipCall_Res from SSN with StatusCode="OK".</p>	
MS2SSN Request	<pre><?xml version="1.0" encoding="UTF-8"?><ssn:MS2SSN_ShipCall_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header Version="3.0" TestId="GRPIR01" SentAt="2014-07-30T08:52:00Z" From="GRPIR01" To="SafeSeaNet" MSRefId="MS2SSN_ShipCall_Req_S3603-01" TimeoutValue="0"/> <ssn:Body> <ssn:RequiredResponseCriteria> <ssn:ShipCallResp GetDetails="MostRecentDepartureOfSelectedShip" GetHazmat="HazmatDetails"/> <ssn:SearchCriteria> <ssn:TimePeriodCriteria StartDateTime="2014-07-15T18:00:00Z"/> <ssn:ShipIdentificationCriteria IMONumber="9332511"/> </ssn:SearchCriteria> </ssn:RequiredResponseCriteria> </ssn:Body> </ssn:MS2SSN_ShipCall_Req></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_TC.2_S3603-01" SSNRefId="1530188" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" TestId="GRPIR01" SentAt="2014-08-07T14:48:17Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt></pre>	
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?> <SSN2MS_ShipCall_Res xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:eu.emsa.ssn ssn.xsd"> <Header From="SafeSeaNet" MSRefId="MS2SSN_ShipCall_Req_a14" SSNRefId="MS2SSN_ShipCall_Req_S3603-01" SentAt="2014-08-24T10:00:00Z" StatusCode="OK" TestId="GRPIR01" To="GRPIR01" Version="3.0"/> <Body> <ProvidedResponseCriteria> <ShipCallResp GetDetails="MostRecentDepartureOfSelectedShip" GetHazmat="HazmatDetails"/> <SearchCriteria> <TimePeriodCriteria StartDateTime="2014-07-30T10:05:00Z" /> <ShipIdentificationCriteria IMONumber="9332511"/> </SearchCriteria> </ProvidedResponseCriteria> <QueryResults> <PortPlusNotificationList> <Source LastUpdateReceivedAt="2014-08-22T10:01:49Z" ProviderOfLastUpdate="GRPIR01" /> <VesselIdentification IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALESI" Flag="GR"/> <VoyageInformation ShipCallId="sc16062014ts2" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" PortFacility="1212" /> <HazmatConfirmation HazmatOnBoardYorN="Y"/> </PortPlusNotificationList> <PortPlusNotificationDetails> <Exemptions><ExemptionDetails CompanyName="COMP2" DateFrom="2014-11-10" DateTo="2014-11-19" ExemptionType="Hazmat"> <Route Port="GREDI"/> <Route Port="GRPIR"/> <Authority AuthorityName="testauth" AuthorityType="NCA" Country="GR"/> <Contact247 Email="test@test.gr" Fax="2104578963" FirstName="Mike" LastName="George" LoCode="GRPIR" Phone="2104578963"/> </ExemptionDetails></Exemptions> </PortPlusNotificationDetails> </QueryResults> </Body> </SSN2MS_ShipCall_Res></pre>	

	<pre> <HazmatInformation> <HazmatSummary INFShipClass="INF1"> <DG DGClassification="IMDG"/> </HazmatSummary> <HazmatDetails> <Source LastUpdateReceivedAt="2014-10-31T12:00:00" ProviderOfLastUpdate="SSNADMIN" ShipCallId="GREGT"/> <CargoInformation> <Consignment TransportDocumentID="transportDocId" PortOfLoading="GRPIR" PortOfDischarge="GRITA"> <DPGItem DGClassification="IMDG" TextualReference="textref" UNNumber="5555" PackingGroup="II" FlashPoint="30" TotalNumberOfPackages="40" PackageType="1B" AdditionalInformation="additional info"> <EmS EmSNumber="F-A"/> <SubsidiaryRisks SubsidiaryRisk="subsidiaryRisk1"/> <TotalQuantityGross Quantity="123.12" UnitOfMeasurement="KGM"/> <TotalQuantityNet Quantity="103.12" UnitOfMeasurement="KGM"/> <TransportEquipmentUnit LocationOnBoard="WED" NoOfPackages="10" TransUnitId="transUnitId"> <QuantityGross Quantity="135" UnitOfMeasurement="KGM"/> <QuantityNet Quantity="12" UnitOfMeasurement="TNE"/> </TransportEquipmentUnit> </DPGItem></Consignment></CargoInformation></HazmatDetails> <CargoManifest> <UrlDetails Url="https://templink.info.org" DocType="HTML"/> </CargoManifest> </HazmatInformation> </PortPlusNotificationDetails></QueryResults> </Body></SSN2MS_ShipCall_Res> </pre>
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S3603-01	Message-based mechanism response to ShipCall request for MostRecentDepartureOfSelectedShip – Get Hazmat details	
Step	Action/Input	Result/output
1	Login.	Login Success.
2	Select the Find Information > Voyage/Ship Information > Ship information for selected period > Last port of call, including hazmat (based on ATD)	Displays the Search form.
3	Enter the vessel identification criteria - mandatory. Press the Search button. Select a vessel from the list by clicking on its IMO number hyperlink. Adjust the time period criteria if needed.	A list of vessels that match the identification criteria is displayed.
4	Select Get Hazmat = "Hazmat Details"	The system shall list the ship call based on the search criteria. Ensure the ship call displayed is the one previously notified by you.
Click on the Details icon.	A SSN2MS_ShipCall_Req will be sent 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		
	Input: SSN2MS_ShipCall_Req from SSN for MostRecentDepartureOfSelectedShip – Get Hazmat details. Output: MS2SSN_ShipCall_Res from the data provider.	

SSN2MS Request	<pre><?xml version="1.0" encoding="UTF-8"?> <SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"> <Header TimeoutValue="30" SSNRefId="346356" Version="3.0" To="GRPIR01" SentAt="2014-08-28T10:21:08Z" From="SafeSeaNet"/> <Body> < Source Requestor="GRPIR01"/> <RequiredResponseCriteria> <ShipCallResp GetHazmat="HazmatDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511"/> <ssn:AdditionalSearchCriteria ShipCallId="sc16062014ts2" GetHazmatType="HazmatTowardNextPort"/> </SearchCriteria> </RequiredResponseCriteria> </Body> </SSN2MS_ShipCall_Req></pre>
Response	<pre><?xml version="1.0" encoding="UTF-8"?><urn:MS2SSN_ShipCall_Res xmlns:urn="urn:eu.emsa.ssn"> <urn:Header Version="3.0" SentAt="2014-08-07T10:00:00" From="GRPIR01" To="SafeSeaNet" MSRefId="AAAdTTyik" SSNRefId="346356" StatusCode="OK"/> <urn:Body> <urn:ProvidedResponseCriteria> <!--Optional:--> <urn:ShipCallResp GetHazmat="HazmatDetails"/> <!--Optional:--> <urn:SearchCriteria> <!--Optional:--> <urn:ShipIdentificationCriteria IMONumber="9332511"/> <urn:AdditionalSearchCriteria ShipCallId="sc16062014ts2" GetHazmatType="HazmatTowardNextPort" /> </urn:SearchCriteria> </urn:ProvidedResponseCriteria> <!--Optional:--> <urn:QueryResults> <urn:VesselIdentification IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALESI" Flag="GR"/> <urn:VoyageInformation ShipCallId="sc16062014ts2" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" PortFacility="1212" ETDFromLastPort="2014- 07-16T12:00:00" ETAToPortOfCall="2014-08-14T12:00:00" NextPort="GRSAL" ETAToNextPort="2014-07-19T12:00:00" ETDFromPortOfCall="2014-07-18T12:00:00" BriefCargoDescription="desc" > <!--0 to 9 repetitions:--> <urn:PurposeOfCall CallPurposeCode="10"/> <urn:PurposeOfCall CallPurposeCode="11"/> </urn:VoyageInformation> <!--Optional:--> <urn:HazmatInformation> <!--Optional:--> <urn:HazmatSummary INFShipClass="INF1"> <!--0 to 99 repetitions:--> <urn:DG DGClassification="IMDG"/> </urn:HazmatSummary> <!--Optional:--> <urn:HazmatDetails> <urn:Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-08-06T10:00:00"/> <urn:CargoInformation> <!--Zero or more repetitions:--> <urn:Consignment TransportDocumentID="transportDocId" PortOfLoading="GRPIR" PortOfDischarge="GRITA"> <!--1 to 99 repetitions:--> <urn:DPGItem DGClassification="IMDG" TextualReference="textref" IMOHazardClass="1.1" UNNumber="5555" PackingGroup="II" FlashPoint="30" PackageType="1B" TotalNrOfPackages="40" AdditionalInformation="additional info"> <!--0 to 2 repetitions:--> <urn:EmS EmSNumber="S-A" /> <urn:EmS EmSNumber="F-A"/> <!--0 to 5 repetitions:--> <urn:SubsidiaryRisks SubsidiaryRisk="subsidiaryRisk1"/> <urn:SubsidiaryRisks</pre>

	<pre> SubsidiaryRisk="subsidiaryRisk2"/> <!--Optional:--> <urn:TotalQuantityGross UnitOfMeasurement="KGM" Quantity="396.24"/> <!--Optional:--> <urn:TotalQuantityNet UnitOfMeasurement="KGM" Quantity="396.24"/> <!--1 or more repetitions:--> <urn:TransportEquipmentUnit LocationOnBoard="WED" NoOfPackages="10" TransUnitId="transUnitId1"> <!--Optional:--> <urn:QuantityGross UnitOfMeasurement="KGM" Quantity="123.12"/> <!--Optional:--> <urn:QuantityNet UnitOfMeasurement="KGM" Quantity="123.12"/> </urn:TransportEquipmentUnit> <urn:TransportEquipmentUnit LocationOnBoard="LOE" NoOfPackages="20" TransUnitId="transUnitId2"> <!--Optional:--> <urn:QuantityGross UnitOfMeasurement="KGM" Quantity="150"/> <!--Optional:--> <urn:QuantityNet UnitOfMeasurement="KGM" Quantity="150"/> </urn:TransportEquipmentUnit> <!--Zero or more repetitions:--> <urn:TransportEquipmentUnit LocationOnBoard="LOE" NoOfPackages="10" TransUnitId="transUnitId3"> <!--Optional:--> <urn:QuantityGross UnitOfMeasurement="KGM" Quantity="123.12"/> <!--Optional:--> <urn:QuantityNet UnitOfMeasurement="KGM" Quantity="123.12"/> </urn:TransportEquipmentUnit> </urn:DPGItem> </urn:Consignment> </urn:CargoInformation> </urn:HazmatDetails> </urn:HazmatInformation> </urn:QueryResults> </urn:Body> </urn:MS2SSN_ShipCall_Res> </pre>
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S3604-01	XML interface requesting ShipCall for RecentAndCurrentShipCallofSelectedShips (a)	
S3604-02	XML interface requesting ShipCall for RecentAndCurrentShipCallofSelectedShips - Invalid format: EndDateTime - StartDateTime > 30days (b)	
Step	Action/Input	Result/output
1	NCA App send out XML message to SSN	
2	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
3	SSN processes the contents of the XML message	Contents are non-conflicting, data provider is deduced
4	SSN processes information source accessibility	
5a	Data provider offers XML interface	
5b	SSN cannot process XML message	Invalid parameters
6a	SSN forwards XML message with notification details (including Hazmat details) to NCA App	
6b	SSN sends back XML message with status code InvalidFormat	
7a	NCA App receives XML message with Provider info	XML message is validated against XML schema / well-formed + valid
7b	NCA App receives XML message with status code InvalidFormat	XML message is validated against XML schema / well-formed + valid
8	NCA App ends activity	
Sample XML messages		
S3604-01	<p>Precondition: A ShipCall for a vessel exists.</p> <p>Input: The data provider is sending an MS2SSN_ShipCall_Req for a vessel.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Req message is received and is a valid XML message.</p> <p>The data provider receives asynchronously an SSN2MS_ShipCall_Res from SSN with StatusCode=" OK".</p>	

MS2SSN Request	<pre><?xml version="1.0" encoding="UTF-8" ?> <ssn:MS2SSN_ShipCall_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T09:05:00Z" From="GRPIR01" To="SafeSeaNet" MSRefId="MS2SSN_ShipCall_Req_TC.2er" TimeoutValue="30" /> <ssn:Body> <ssn:RequiredResponseCriteria> <ssn:ShipCallResp GetDetails="RecentAndCurrentShipCallsOfSelectedShip" /> <ssn:SearchCriteria> <ssn:ShipIdentificationCriteria MMSINumber="237777131" /> </ssn:SearchCriteria> </ssn:RequiredResponseCriteria> </ssn:Body> </ssn:MS2SSN_ShipCall_Req></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_TC.2er" SSNRefId="1533013" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T08:35:24Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt></pre>
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN2MS_ShipCall_Res xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_TC.2er" SSNRefId="MS2SSN_ShipCall_Req_TC.2er" StatusCode="OK" Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T08:35:24Z" From="SafeSeaNet" To="GRPIR01"/><Body><ProvidedResponseCriteria><ShipCallResp GetDetails="RecentAndCurrentShipCallsOfSelectedShip"/><SearchCriteria><TimePeriodCriteria/> <ShipIdentificationCriteria MMSINumber="237777131"/></SearchCriteria></ProvidedResponseCriteria><QueryResults><Po rtPlusNotificationList><Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014- 07-23T12:07:59Z"/><VesselIdentification Flag="GR" CallSign="GR71313" ShipName="KAKO- SALESI" IMONumber="9332511" MMSINumber="237777131"/><VoyageInformation ShipCallId="shipCallIdTEST001a" LastPort="PTLIS" PortOfCall="GRPIR" PositionInPortOfCall="MARINE" ETDFromLastPort="2014-07-27T12:00:00Z" ETAToPortOfCall="2014-07-27T12:00:00Z" NextPort="BEOST" ETAToNextPort="2014-07- 29T22:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z"/><VesselDetails GrossTonnage="0"><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival3DaysNotificationDetails CargoVolumeNature="fossil fuel" PlannedOperations="unloading" PlannedWorks="Maintenance" ConditionCargoBallastTanks="full" PossibleAnchorage="Y" ShipConfiguration="SHT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="20"/><ArrivalNotificationDetails ATAPortOfCall="2014-07- 29T12:00:00Z"/><HazmatConfirmation HazmatOnBoardYorN="N"/></PortPlusNotificationList><PortPlusNotificationList><Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-07- 28T12:13:40Z"/><VesselIdentification Flag="GR" CallSign="GR71313" ShipName="KAKO-SALESI" IMONumber="9332511" MMSINumber="237777131"/><VoyageInformation ShipCallId="grtest26" LastPort="PTLIS" PortOfCall="GRPIR" PositionInPortOfCall="MARINE" ETDFromLastPort="2014-07- 27T12:00:00Z" NextPort="BEOST" ETAToNextPort="2014-07-29T22:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z"/><VesselDetails GrossTonnage="0"><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival3DaysNotificationDetails PossibleAnchorage="Y" ShipConfiguration="DHT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="30"/><ArrivalNotificationDetails ATAPortOfCall="2014-07- 28T16:00:00Z"/><HazmatConfirmation HazmatOnBoardYorN="N"/></PortPlusNotificationList><PortPlusNotificationList><Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-07- 28T12:11:13Z"/><VesselIdentification Flag="GR" CallSign="GR71313" ShipName="KAKO-SALESI" IMONumber="9332511" MMSINumber="237777131"/><VoyageInformation ShipCallId="grtest22" LastPort="PTLIS" PortOfCall="GRPIR" PositionInPortOfCall="MARINE" ETDFromLastPort="2014-07- 27T12:00:00Z" NextPort="BEOST" ETAToNextPort="2014-07-29T22:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z"/><VesselDetails GrossTonnage="0"><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival3DaysNotificationDetails PossibleAnchorage="Y" ShipConfiguration="DHT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="20"/><ArrivalNotificationDetails ATAPortOfCall="2014-07- 28T12:00:00Z"/><HazmatConfirmation HazmatOnBoardYorN="N"/></PortPlusNotificationList><PortPlusNotificationList><Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-07- 28T09:36:25Z"/><VesselIdentification Flag="GR" CallSign="GR71313" ShipName="KAKO-SALESI" IMONumber="9332511" MMSINumber="237777131"/><VoyageInformation ShipCallId="grtest51" LastPort="PTLIS" PortOfCall="GRPIR" PositionInPortOfCall="MARINE" ETDFromLastPort="2014-07- 27T12:00:00Z" NextPort="BEOST" ETAToNextPort="2014-07-29T22:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z"/><VesselDetails GrossTonnage="0"><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival3DaysNotificationDetails CargoVolumeNature="fossil fuel" PlannedOperations="unloading" PlannedWorks="Maintenance"</pre>

	<p>ConditionCargoBallastTanks="full" PossibleAnchorage="Y" ShipConfiguration="SHT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="20"/><ArrivalNotificationDetails ATAPortOfCall="2014-07-28T12:00:00Z"/><HazmatConfirmation HazmatOnBoardYorN="N"/></PortPlusNotificationList><PortPlusNotificationList><Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-07-28T12:10:02Z"/><VesselIdentification Flag="GR" CallSign="GR71313" ShipName="KAKO-SALESI" IMONumber="9332511" MMSINumber="237777131"/><VoyageInformation ShipCallId="grtest18" LastPort="PTLIS" PortOfCall="GRPIR" PositionInPortOfCall="MARINE" ETDFromLastPort="2014-07-27T12:00:00Z" NextPort="BEOST" ETAToNextPort="2014-07-29T22:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z"/><VesselDetails GrossTonnage="0"><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival3DaysNotificationDetails PossibleAnchorage="Y" ShipConfiguration="DHT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="20"/><ArrivalNotificationDetails ATAPortOfCall="2014-07-28T12:00:00Z"/><HazmatConfirmation HazmatOnBoardYorN="N"/></PortPlusNotificationList><PortPlusNotificationList><Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-07-24T12:10:17Z"/><VesselIdentification Flag="GR" CallSign="GR71313" ShipName="KAKO-SALESI" IMONumber="9332511" MMSINumber="237777131"/><VoyageInformation ShipCallId="shipCallIdTEST001" LastPort="PTLIS" PortOfCall="GRPIR" PositionInPortOfCall="MARINE" ETDFromLastPort="2014-07-27T12:00:00Z" ETAToPortOfCall="2014-07-27T12:00:00Z" NextPort="BEOST" ETAToNextPort="2014-07-29T22:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z"/><VesselDetails GrossTonnage="0"><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival3DaysNotificationDetails PossibleAnchorage="Y" ShipConfiguration="DHT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="123"/><ArrivalNotificationDetails ATAPortOfCall="2014-07-28T03:00:00Z"/><HazmatConfirmation HazmatOnBoardYorN="Y"/></PortPlusNotificationList><PortPlusNotificationList><Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-07-28T13:12:38Z"/><VesselIdentification Flag="GR" CallSign="GR71313" ShipName="KAKO-SALESI" IMONumber="9332511" MMSINumber="237777131"/><VoyageInformation ShipCallId="grtest39" LastPort="PTLIS" PortOfCall="GRPIR" PositionInPortOfCall="MARINE" ETDFromLastPort="2014-07-27T12:00:00Z" NextPort="BEOST" ETAToNextPort="2014-07-31T22:00:00Z" ETDFromPortOfCall="2014-07-29T12:00:00Z"/><VesselDetails GrossTonnage="0"><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival3DaysNotificationDetails PossibleAnchorage="Y" ShipConfiguration="DHT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="123"/><ArrivalNotificationDetails ATAPortOfCall="2014-07-27T03:00:00Z"/><DepartureNotificationDetails ATDPortOfCall="2014-07-29T03:00:00Z"/><HazmatConfirmation HazmatOnBoardYorN="Y"/></PortPlusNotificationList><PortPlusNotificationList><Source ProviderOfLastUpdate="thanosId" LastUpdateReceivedAt="2014-07-16T07:45:35Z"/><VesselIdentification Flag="GR" CallSign="GR71313" ShipName="KAKO-SALESI" IMONumber="9332511" MMSINumber="237777131"/><VoyageInformation ShipCallId="sc16062014ts1" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" ETDFromLastPort="2014-07-16T12:00:00Z" NextPort="GRSAL" ETAToNextPort="2014-07-19T12:00:00Z"/><VesselDetails GrossTonnage="0"><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival3DaysNotificationDetails PossibleAnchorage="Y" ShipConfiguration="SHT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="10"/><ArrivalNotificationDetails ATAPortOfCall="2014-07-14T10:00:00Z" Anchorage="Y"/><DepartureNotificationDetails ATDPortOfCall="2014-07-15T10:00:00Z"/><HazmatConfirmation HazmatOnBoardYorN="Y"/></PortPlusNotificationList></QueryResults></Body></SSN2MS_ShipCall_Res></p>
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S3605-01	XML interface requesting ShipCall for ExpectedShipCallsAtEUPort (a)	
S3605-02	XML interface requesting ShipCall for ExpectedShipCallsAtEUPort - Invalid format: ZZUKN for PortOfCall (b)	
Step	Action/ Input	Result/output
1	NCA App send out XML message to SSN	
2	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
3	SSN processes the contents of the XML message	Contents are non-conflicting, data provider is deduced
4	SSN processes information source accessibility	
5a	Data provider offers XML interface	
5b	SSN cannot process XML message	Invalid parameters
6a	SSN forwards XML message with notification details to NCA App	
6b	SSN sends back XML message with	

	status code InvalidFormat	
7a	NCA App receives XML message with Provider info	XML message is validated against XML schema / well-formed + valid
7b	NCA App receives XML message with status code InvalidFormat	XML message is validated against XML schema / well-formed + valid
8	NCA App ends activity	
Sample XML messages		
S3605-02	<p>Precondition: A ShipCall for a vessel exists.</p> <p>Input: The data provider is sending an MS2SSN_ShipCall_Req for a vessel.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Req message is received and is a valid XML message. The data provider receives asynchronously an SSN2MS_ShipCall_Res from SSN with StatusCode=" OK".</p>	
MS2SSN Request	<pre><?xml version="1.0" encoding="UTF-8" ?> <ssn:MS2SSN_ShipCall_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header Version="3.0" TestId="GRPIR01" SentAt="2014-08-24T09:05:00Z" From="GRPIR01" To="SafeSeaNet" MSRefId="MS2SSN_ShipCall_Req_f" TimeoutValue="30" /> <ssn:Body> <ssn:RequiredResponseCriteria> <ssn:ShipCallResp GetDetails="ExpectedShipCallsAtEUPort" /> <ssn:SearchCriteria> <ssn:TimePeriodCriteria StartDateTime="2014-07-30T10:05:00Z" /> <ssn:PortOfCallIdentificationCriteria PortOfCall="ZZUKN" /> </ssn:SearchCriteria> </ssn:RequiredResponseCriteria> </ssn:Body> </ssn:MS2SSN_ShipCall_Req></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_f" SSNRefId="1533176" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T10:28:03Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt></pre>	
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN2MS_ShipCall_Res xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_f" SSNRefId="1533178" StatusCode="InvalidFormat" StatusMessage="Invalid Parameters" Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T10:28:03Z" From="SafeSeaNet" To="GRPIR01"/><Body><ProvidedResponseCriteria><ShipCallResp GetDetails="ExpectedShipCallsAtEUPort"/><SearchCriteria><TimePeriodCriteria StartDateTime="2014-07-30T10:05:00Z" /><ShipIdentificationCriteria xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="VesselIdentificationType"/><PortOfCallIdentificationCriteria PortOfCall="ZZUKN"/></SearchCriteria></ProvidedResponseCriteria></Body></SSN2MS_ShipCall_Res></pre>	

S3606-01	XML interface requesting ShipCall for CurrentShipCallsAtEUPort (a)	
S3606-02	XML interface requesting ShipCall for CurrentShipCallsAtEUPort – Access denied: user without access rights (LCA type Port ≠ PortOfCall) (b)	
S3606-03	XML interface requesting ShipCall for CurrentShipCallsAtEUPort - Invalid format: StartDateTime older than the last 30days (c)	
S3606-04	XML interface requesting ShipCall for CurrentShipCallsAtEUPort – Not Found: no current ShipCall found for a given port. (d)	
Step	Action/Input	Result/output
1	NCA App send out XML message to SSN	
2	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
3	SSN processes the contents of the XML message	Contents are non-conflicting, data provider is deduced
4	SSN processes information source accessibility	
5a	Data found	
5b	SSN cannot process XML message	No access rights
5c	SSN cannot process XML message	Invalid parameters
6a	SSN forwards XML message with notification details to NCA App	
6b	SSN sends back XML message with status code AccessDenied	
6c	SSN sends back XML message with	

	status code InvalidFormat	
6d	SSN sends back XML message with status code NotFound	
7a	NCA App receives XML message with Provider info	XML message is validated against XML schema / well-formed + valid
7b	NCA App receives XML message with status code Accessdenied	XML message is validated against XML schema / well-formed + valid
7c	NCA App receives XML message with status code InvalidFormat	XML message is validated against XML schema / well-formed + valid
7d	NCA App receives XML message with status code NotFound	XML message is validated against XML schema / well-formed + valid
8	NCA App ends activity	
Sample XML messages		
S3606-04	<p>Precondition: A ShipCall for a vessel exists.</p> <p>Input: The data provider is sending an MS2SSN_ShipCall_Req for a vessel.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Req message is received and is a valid XML message. The data provider receives asynchronously an SSN2MS_ShipCall_Res from SSN with StatusCode=" OK".</p>	
MS2SSN Request	<pre><?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_ShipCall_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header Version="3.0" TestId="GRPIR01" SentAt="2014-08-23T09:05:00Z" From="GRPIR01" To="SafeSeaNet" MSRefId="MS2SSN_ShipCall_Req_TC.IQWZ" TimeoutValue="30" /> <ssn:Body> <ssn:RequiredResponseCriteria> <ssn:ShipCallResp GetDetails="CurrentShipCallsAtEUPort" /> <ssn:SearchCriteria> <ssn:TimePeriodCriteria StartDateTime="2014-07-30T10:05:00Z" /> <ssn:PortOfCallIdentificationCriteria PortOfCall="GRAAA" /> </ssn:SearchCriteria> </ssn:RequiredResponseCriteria> </ssn:Body> </ssn:MS2SSN_ShipCall_Req></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_TC.IQWZ" SSNRefId="1533087" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T09:27:19Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt></pre>	
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN2MS_ShipCall_Res xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_TC.IQWZ" SSNRefId="1533089" StatusCode="NotFound" StatusMessage="The notification details requested in the corresponding XML request message does not exist" Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T09:27:19Z" From="SafeSeaNet" To="GRPIR01"/><Body><ProvidedResponseCriteria><ShipCallResp GetDetails="CurrentShipCallsAtEUPort"/><SearchCriteria><TimePeriodCriteria StartDateTime="2014-07-30T10:05:00Z" /><ShipIdentificationCriteria xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="VesselIdentificationType"/><PortOfCallIdentificationCriteria PortOfCall="GRAAA"/></SearchCriteria></ProvidedResponseCriteria></Body></SSN2MS_ShipCal I_Res></pre>	

S3607-01	XML interface requesting ShipCall for CompletedShipCallsAtEUPort (a)	
S3607-02	XML interface requesting ShipCall for CompletedShipCallsAtEUPort - Invalid format: StartDateTime older than the last 30 days (b)	
Step	Action/Input	Result/output
1	NCA App send out XML message to SSN	
2	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
3	SSN processes the contents of the XML message	Contents are non-conflicting, data provider is deduced
4	SSN processes information source accessibility	
5a	Data found	
5b	SSN cannot process XML message	Invalid parameters
6a	SSN forwards XML message with notification details (including Hazmat	

	details) to NCA App	
6b	SSN sends back XML message with status code InvalidFormat	
7a	NCA App receives XML message with Provider info	XML message is validated against XML schema / well-formed + valid
7b	NCA App receives XML message with status code InvalidFormat	XML message is validated against XML schema / well-formed + valid
8	NCA App ends activity	
Sample XML messages		
S3607-01	<p>Precondition: A ShipCall for a vessel exists.</p> <p>Input: The data provider is sending an MS2SSN_ShipCall_Req for a vessel.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Req message is received and is a valid XML message. The data provider receives asynchronously an SSN2MS_ShipCall_Res from SSN with StatusCode="OK".</p>	
MS2SSN Request	<pre><?xml version="1.0" encoding="UTF-8" ?> <ssn:MS2SSN_ShipCall_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header Version="3.0" TestId="GRPIR01" SentAt="2014-08-23T09:05:00Z" From="GRPIR01" To="SafeSeaNet" MSRefId="MS2SSN_ShipCall_Req_TC.IWQE" TimeoutValue="30" /> <ssn:Body> <ssn:RequiredResponseCriteria> <ssn:ShipCallResp GetDetails="CompletedShipCallsAtEUPort " /> <ssn:SearchCriteria> <ssn:TimePeriodCriteria StartDateTime="2014-07-30T10:05:00Z" /> <ssn:PortOfCallIdentificationCriteria PortOfCall="GRPIR" /> </ssn:SearchCriteria> </ssn:RequiredResponseCriteria> </ssn:Body> </ssn:MS2SSN_ShipCall_Req></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_TC.IWQE" SSNRefId="1533072" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T09:20:35Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt></pre>	
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN2MS_ShipCall_Res xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_TC.IWQE" SSNRefId="MS2SSN_ShipCall_Req_TC.IWQE" StatusCode="OK" Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T09:20:35Z" From="SafeSeaNet" To="GRPIR01"/><Body><ProvidedResponseCriteria><ShipCallResp GetDetails="CompletedShipCallsAtEUPort"/><SearchCriteria><TimePeriodCriteria StartDateTime="2014-07-30T10:05:00Z" /><ShipIdentificationCriteria xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="VesselIdentificationType"/><PortOfCallIdentificationCriteria PortOfCall="GRPIR"/></SearchCriteria></ProvidedResponseCriteria><QueryResults><PortPlusNo tificationList><Source ProviderOfLastUpdate="SSNADMIN" LastUpdateReceivedAt="2014-07- 25T13:35:51Z"/><VesselIdentification CallSign="FIAP" ShipName="TOCQUEVILLE" IMONumber="9442823" MMSINumber="228268800"/><VoyageInformation ShipCallId="angeliki" LastPort="GRSAL" PortOfCall="GRPIR" ETDFromLastPort="2014-07- 25T13:32:00Z"/><VesselDetails GrossTonnage="0"/><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival3DaysNotificationDetails CargoVolumeNature="test1" PossibleAnchorage="Y" ShipConfiguration="SHT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="15"/><ArrivalNotificationDetails ATAPortOfCall="2014-07- 25T13:32:00Z" Anchorage="Y"/><DepartureNotificationDetails ATDPortOfCall="2014-07- 30T13:31:00Z"/><HazmatConfirmation HazmatOnBoardYorN="N"/></PortPlusNotificationList><PortPlusNotificationList><Source ProviderOfLastUpdate="SSNADMIN" LastUpdateReceivedAt="2014-08- 22T09:05:48Z"/><VesselIdentification Flag="GR" CallSign="GR71313" ShipName="KAKO-SALESI" IMONumber="9332511" MMSINumber="23777131"/><VoyageInformation ShipCallId="GREG" PortOfCall="GRPIR"/><VesselDetails GrossTonnage="0"/><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="0"/><ArrivalNotificationDetails ATAPortOfCall="2014-08- 05T08:53:00Z"/><DepartureNotificationDetails ATDPortOfCall="2014-08- 06T08:54:00Z"/><HazmatConfirmation HazmatOnBoardYorN="N"/></PortPlusNotificationList><PortPlusNotificationList><Source ProviderOfLastUpdate="SSNADMIN" LastUpdateReceivedAt="2014-08- 08T14:50:27Z"/><VesselIdentification Flag="MT" CallSign="HMD00" ShipName="HAMMOUDI J" IMONumber="7350002" MMSINumber="445889000"/><VoyageInformation</pre>	

	<p>ShipCallId="shipCallIdTEST001h" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" ETDFromLastPort="2014-08-07T14:50:00Z" NextPort="GRSAL" ETAToNextPort="2014-08-09T14:50:00Z"/><VesselDetails GrossTonnage="0"><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival3DaysNotificationDetails CargoVolumeNature="asdfsadf" PlannedOperations="asdfsadf" PlannedWorks="asdfsadf" ConditionCargoBallastTanks="asdfsadf" PossibleAnchorage="Y" ShipConfiguration="SHT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="10"/><ArrivalNotificationDetails ATAPortOfCall="2014-08-08T11:09:00Z" Anchorage="Y"/><DepartureNotificationDetails ATDPortOfCall="2014-08-08T12:00:00Z"/><HazmatConfirmation HazmatOnBoardYorN="N"/></PortPlusNotificationList><PortPlusNotificationList><Source ProviderOfLastUpdate="SSNADMIN" LastUpdateReceivedAt="2014-08-08T11:28:09Z"/><VesselIdentification Flag="MT" CallSign="HMD00" ShipName="HAMMOUDI J" IMONumber="7350002" MMSINumber="445889000"/><VoyageInformation ShipCallId="shipCallIdTEST001d" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" ETDFromLastPort="2014-08-07T11:27:00Z" NextPort="GRSAL" ETAToNextPort="2014-08-09T11:27:00Z"/><VesselDetails GrossTonnage="0"><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival3DaysNotificationDetails CargoVolumeNature="asdfsadf" PlannedOperations="asdfsadf" PlannedWorks="asdfsadf" ConditionCargoBallastTanks="asdfsadf" PossibleAnchorage="Y" ShipConfiguration="SHT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="10"/><ArrivalNotificationDetails ATAPortOfCall="2014-08-08T11:09:00Z" Anchorage="Y"/><DepartureNotificationDetails ATDPortOfCall="2014-08-08T12:00:00Z"/><HazmatConfirmation HazmatOnBoardYorN="N"/></PortPlusNotificationList><PortPlusNotificationList><Source ProviderOfLastUpdate="SSNADMIN" LastUpdateReceivedAt="2014-08-08T12:23:25Z"/><VesselIdentification Flag="MT" CallSign="HMD00" ShipName="HAMMOUDI J" IMONumber="7350002" MMSINumber="445889000"/><VoyageInformation ShipCallId="shipCallIdTEST001f" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" ETDFromLastPort="2014-08-07T12:23:00Z" NextPort="GRSAL" ETAToNextPort="2014-08-09T12:23:00Z"/><VesselDetails GrossTonnage="0"><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival3DaysNotificationDetails CargoVolumeNature="asdfsadf" PlannedOperations="asdfsadf" PlannedWorks="asdfsadf" ConditionCargoBallastTanks="asdfsadf" PossibleAnchorage="Y" ShipConfiguration="SHT-SBT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="10"/><ArrivalNotificationDetails ATAPortOfCall="2014-08-08T11:09:00Z" Anchorage="N"/><DepartureNotificationDetails ATDPortOfCall="2014-08-08T12:00:00Z"/><HazmatConfirmation HazmatOnBoardYorN="N"/></PortPlusNotificationList><PortPlusNotificationList><Source ProviderOfLastUpdate="SSNADMIN" LastUpdateReceivedAt="2014-08-11T08:21:23Z"/><VesselIdentification Flag="MT" CallSign="HMD00" ShipName="HAMMOUDI J" IMONumber="7350002" MMSINumber="445889000"/><VoyageInformation ShipCallId="shipCallIdTEST001i" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" ETDFromLastPort="2014-08-10T08:00:00Z" NextPort="GRSAL" ETAToNextPort="2014-08-12T08:00:00Z"/><VesselDetails GrossTonnage="0"><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival3DaysNotificationDetails CargoVolumeNature="asdfsadf" PlannedOperations="asdfsadf" PlannedWorks="asdfsadf" ConditionCargoBallastTanks="asdfsadf" PossibleAnchorage="Y" ShipConfiguration="SHT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="10"/><ArrivalNotificationDetails ATAPortOfCall="2014-08-11T08:00:00Z" Anchorage="Y"/><DepartureNotificationDetails ATDPortOfCall="2014-08-11T09:00:00Z"/><HazmatConfirmation HazmatOnBoardYorN="N"/></PortPlusNotificationList></QueryResults></Body></SSN2MS_Ship Call_Res></p>
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S3608-01	XML interface requesting ShipCall for LatestCallUpdates (a)	
S3608-02	XML interface requesting ShipCall for LatestCallUpdates - Invalid format: EndDateTime and StartDateTime older than the last 24 hours (b)	
Step	Action/Input	Result/output
1	NCA App send out XML message to SSN	
2	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
3	SSN processes the contents of the XML message	Contents are non-conflicting, data provider is deduced
4	SSN processes information source accessibility	
5a	Data found	
5b	SSN cannot process XML message	Invalid parameters
6a	SSN forwards XML message with notification details (including Hazmat details) to NCA App	

6b	SSN sends back XML message with status code InvalidFormat	
7a	NCA App receives XML message with Provider info	XML message is validated against XML schema / well-formed + valid
7b	NCA App receives XML message with status code InvalidFormat	XML message is validated against XML schema / well-formed + valid
8	NCA App ends activity	
Sample XML messages		
S3608-02	<p>Precondition: A ShipCall for a vessel exists.</p> <p>Input: The data provider is sending an MS2SSN_ShipCall_Req for a vessel.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Req message is received and is a valid XML message. The data provider receives asynchronously an SSN2MS_ShipCall_Res from SSN with StatusCode=" OK".</p>	
MS2SSN Request	<pre><?xml version="1.0" encoding="UTF-8" ?> <ssn:MS2SSN_ShipCall_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header Version="3.0" TestId="GRPIR01" SentAt="2014-08-24T09:05:00Z" From="GRPIR01" To="SafeSeaNet" MSRefId="MS2SSN_ShipCall_Req_a34" TimeoutValue="30" /> <ssn:Body> <ssn:RequiredResponseCriteria> <ssn:ShipCallResp GetDetails="LatestCallUpdates" /> <ssn:SearchCriteria> <ssn:TimePeriodCriteria StartDateTime="2014-08-22T10:05:00Z" EndDateTime="2014-08-23T09:05:00Z"/> </ssn:SearchCriteria> </ssn:RequiredResponseCriteria> </ssn:Body> </ssn:MS2SSN_ShipCall_Req></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_a34" SSNRefId="1533607" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T14:15:52Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt></pre>	
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN2MS_ShipCall_Res xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_a34" SSNRefId="1533609" StatusCode="InvalidFormat" StatusMessage="Invalid Parameters" Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T14:15:52Z" From="SafeSeaNet" To="GRPIR01"/><Body><ProvidedResponseCriteria><ShipCallResp GetDetails="LatestCallUpdates"/><SearchCriteria><TimePeriodCriteria StartDateTime="2014-08-22T10:05:00Z" EndDateTime="2014-08-23T09:05:00Z"/><ShipIdentificationCriteria xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="VesselIdentificationType"/></SearchCriteria></ProvidedResponseCriteria></Body></S SN2MS_ShipCall_Res></pre>	

S3609-01	XML interface requesting ShipCall for ListExpectedCallsOfSelectedShip (a)	
S3609-02	XML interface requesting ShipCall for ListExpectedCallsOfSelectedShip – Invalid format: StartDateTime is not between [SentAt] and [SentAt + 30 days] (b)	
Step	Action/Input	Result/output
1	NCA App send out XML message to SSN	
2	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
3	SSN processes the contents of the XML message	Contents are non-conflicting, data provider is deduced
4	SSN processes information source accessibility	
5a	Data found	
5b	SSN cannot process XML message	Invalid parameters
6a	SSN forwards XML message with notification details (including Hazmat details) to NCA App	
6b	SSN sends back XML message with status code InvalidFormat	
7a	NCA App receives XML message with Provider info	XML message is validated against XML schema / well-formed + valid

7b	NCA App receives XML message with status code InvalidFormat	XML message is validated against XML schema / well-formed + valid
8	NCA App ends activity	
Sample XML messages		
S3609-02	<p>Precondition: A ShipCall for a vessel exists.</p> <p>Input: The data provider is sending an MS2SSN_ShipCall_Req for a vessel.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Req message is received and is a valid XML message. The data provider receives asynchronously an SSN2MS_ShipCall_Res from SSN with StatusCode=" OK".</p>	
MS2SSN Request	<pre><?xml version="1.0" encoding="UTF-8" ?> <ssn:MS2SSN_ShipCall_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header Version="3.0" TestId="GRPIR01" SentAt="2014-08-24T09:05:00Z" From="GRPIR01" To="SafeSeaNet" MSRefId=" MS2SSN_ShipCall_Req_aBB " TimeoutValue="30" /> <ssn:Body> <ssn:RequiredResponseCriteria> <ssn:ShipCallResp GetDetails=" ListExpectedCallsOfSelectedShip " /> <ssn:SearchCriteria> <ssn:TimePeriodCriteria StartDateTime="2014-08-29T10:05:00Z" /> <ssn:ShipIdentificationCriteria MMSINumber="237777131"> </ssn:SearchCriteria> </ssn:RequiredResponseCriteria> </ssn:Body> </ssn:MS2SSN_ShipCall_Req></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_a34" SSNRefId="1533607" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T14:15:52Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt></pre>	
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN2MS_ShipCall_Res xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_aBB" SSNRefId="MS2SSN_ShipCall_Req_aBB" StatusCode="OK" Version="3.0" TestId="GRPIR01" SentAt="2014-11-19T14:32:03Z" From="SafeSeaNet" To="GRPIR01"/><Body><ProvidedResponseCriteria><ShipCallResp GetDetails="ListExpectedCallsOfSelectedShip"/><SearchCriteria><TimePeriodCriteria StartDateTime="2014-08-29T10:05:00Z"/><ShipIdentificationCriteria xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="VesselIdentificationType" MMSINumber="237777131"/></SearchCriteria></ProvidedResponseCriteria><QueryResults><PortPlusNotificationList><Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-10-17T12:25:01Z"/><VesselIdentification Flag="GR" CallSign="GR71313" ShipName="KAKO-SALESI" IMONumber="9332511" MMSINumber="237777131"/><VoyageInformation ShipCallId="gr_ship_call_1" LastPort="GRPYR" PortOfCall="GRPIR" PositionInPortOfCall="marina1" ETDFromLastPort="2014-08-24T02:09:23Z" ETAToPortOfCall="2014-09-15T22:07:00Z" ETDFromPortOfCall="2014-09-18T23:03:12Z"/><PreArrival3DaysNotificationDetails ShipConfiguration="SHT-SBT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="100"/><HazmatConfirmation HazmatOnBoardYorN="Y"/></PortPlusNotificationList></QueryResults></Body></SSN2MS_ShipCall_Res></pre>	

S3610-01	XML interface requesting ShipCall for SelectedShipCall (a)	
S3610-02	XML interface requesting ShipCall for SelectedShipCall -- Get Hazmat details (details in req/res XML) (a)	
S3610-03	XML interface requesting ShipCall for SelectedShipCall -- Get Waste details (details in req/res XML) (a)	
S3610-04	XML interface requesting ShipCall for SelectedShipCall -- Get Security details (details in req/res XML) (a)	
S3610-05	XML interface requesting ShipCall for SelectedShipCall - invalid format (details in req/res XML) (b) (no/invalid SearchCriteria)	
Step	Action/ Input	Result/output
1	NCA App send out XML message to SSN	
2	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
3	SSN processes the contents of the XML message	Contents are non-conflicting, data provider is deduced
4	SSN processes data provider accessibility	

5a	Data provider offers XML interface	
5 (b)	SSN cannot process XML message	Invalid parameters
6a	SSN establishes connection with data provider NCA App	Connection established
7a	SSN transmits XML message requesting notification details	XML message is validated against XML schema / well-formed + valid
8a	NCA App sends back XML message with latest details	
9a	SSN forwards XML message with notification details (including Hazmat/Waste/Security details) to NCA App	
9b	SSN sends back XML message with status code InvalidFormat	
10a	NCA App receives XML message with Provider info	XML message is validated against XML schema / well-formed + valid
10b	NCA App receives XML message with status code InvalidFormat	XML message is validated against XML schema / well-formed + valid
11	NCA App ends activity	
Sample XML messages		
S3610-01	<p>Precondition: A ShipCall for a vessel exists.</p> <p>Input: The data provider is sending an MS2SSN_ShipCall_Req for a vessel with ShipCallID="shipCallIdTEST001".</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Req message is received and is a valid XML message. The data provider receives asynchronously an SSN2MS_ShipCall_Res from SSN with StatusCode=" OK".</p>	
MS2SSN Request	<pre><?xml version="1.0" encoding="UTF-8"?><ssn:MS2SSN_ShipCall_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header Version="3.0" TestId="GRPIR01" SentAt="2014-07-25T08:52:00Z" From="GRPIR01" To="SafeSeaNet" MSRefId="MS2SSN_ShipCall_Req_14" TimeoutValue="0"/> <ssn:Body> <ssn:RequiredResponseCriteria> <ssn:ShipCallResp GetDetails="SelectedShipCall" GetHazmat="HazmatSummary"/> <ssn:SearchCriteria> <ssn:ShipCallIdentificationCriteria ShipCallID="shipCallIdTEST001"/> </ssn:SearchCriteria> </ssn:RequiredResponseCriteria> </ssn:Body> </ssn:MS2SSN_ShipCall_Req></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_14" SSNRefId="1533639" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T14:36:44Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt></pre>	
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN2MS_ShipCall_Res xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_14" SSNRefId="MS2SSN_ShipCall_Req_14" StatusCode="OK" Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T14:36:44Z" From="SafeSeaNet" To="GRPIR01"/><Body><ProvidedResponseCriteria><ShipCallResp GetDetails="SelectedShipCall" GetHazmat="HazmatSummary"/><SearchCriteria><ssn:ShipCallIdentificationCriteria ShipCallID="shipCallIdTEST001"/></SearchCriteria></ProvidedResponseCriteria><QueryResults> <PortPlusNotificationList><Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-07-24T12:10:17Z"/><VesselIdentification Flag="GR" CallSign="GR71313" ShipName="KAKO-SALESI" IMONumber="9332511" MMSINumber="237777131"/><VoyageInformation ShipCallId="shipCallIdTEST001" LastPort="PTLIS" PortOfCall="GRPIR" PositionInPortOfCall="MARINE" ETDFromLastPort="2014-07- 27T12:00:00Z" ETAToPortOfCall="2014-07-27T12:00:00Z" NextPort="BEOST" ETAToNextPort="2014-07-29T22:00:00Z" ETDFromPortOfCall="2014-07- 29T12:00:00Z"/><VesselDetails GrossTonnage="0"><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival3DaysNotificationDetails PossibleAnchorage="Y" ShipConfiguration="DHT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="123"/><ArrivalNotificationDetails ATAPortOfCall="2014-07- 28T03:00:00Z"/><HazmatConfirmation HazmatOnBoardYorN="Y"/></PortPlusNotificationList><PortPlusNotificationDetails><HazmatInfor mation><HazmatSummary/></HazmatInformation></PortPlusNotificationDetails></QueryResults ></Body></SSN2MS_ShipCall_Res></pre>	

S3610-02	Message-based mechanism response to ShipCall request for SelectedShipCall – Get Hazmat details (c)	
S3610-03	Message-based mechanism response to ShipCall request for SelectedShipCall – Get waste details (d)	
S3610-04	Message-based mechanism response to ShipCall request for SelectedShipCall – Get Security details (e)	
Step	Action/Input	Result/output
1	Login.	Login Success.
2	Select the Find Information > Voyage/Ship Information > Other queries > Based on ShipCallId	Displays the Search form.
3	Enter the shipCallId - mandatory.	
4 (c)	Select Get Hazmat = "Hazmat Details" Press the Search button.	The system shall list the ship call based on the search criteria.
4 (d)	Select Get Security = "Security Details" Press the Search button.	The system shall list the ship call based on the search criteria.
4 (e)	Select Get waste = "Waste Details" Press the Search button.	The system shall list the ship call based on the search criteria.
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		
S3610-02	Input: SSN2MS_ShipCall_Req from SSN for SelectedShipCall – Get Hazmat details . Output: MS2SSN_ShipCall_Res from the data provider.	
SSN2MS Request	<pre><?xml version="1.0" encoding="UTF-8"?> <SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"> <Header TimeoutValue="30" SSNRefId="346350" Version="3.0" To="GRPIR01" SentAt="2014-08-28T10:21:08Z" From="SafeSeaNet"/> <Body> <RequiredResponseCriteria> <ShipCallResp GetHazmat="HazmatDetails"/> <SearchCriteria> <AdditionalSearchCriteria ShipCallId=" sc16062014ts2 "/> </SearchCriteria> </RequiredResponseCriteria> </Body> </SSN2MS_ShipCall_Req></pre>	
MS2SSN Response	<pre><?xml version="1.0" encoding="UTF-8"?><urn:MS2SSN_ShipCall_Res xmlns:urn="urn:eu.emsa.ssn"> <urn:Header Version="3.0" SentAt="2014-08-07T10:00:00" From="GRPIR01" To="SafeSeaNet" MSRefId="AAAdTTyi" SSNRefId="1530740" StatusCode="OK"/> <urn:Body> <urn:ProvidedResponseCriteria> <!--Optional:--> <urn:ShipCallResp GetHazmat="HazmatDetails"/> <!--Optional:--> <urn:SearchCriteria> <!--Optional:--> <urn:ShipIdentificationCriteria IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALESI"/> <AdditionalSearchCriteria ShipCallId=" sc16062014ts2 "/> </urn:SearchCriteria> </urn:ProvidedResponseCriteria> <!--Optional:--> <urn:QueryResults> <urn:VesselIdentification IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALESI" Flag="GR"/> <urn:VoyageInformation ShipCallId="sc16062014ts2" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" PortFacility="test" ETDFromLastPort="2014-07- 16T12:00:00" ETAToPortOfCall="2014-08-14T12:00:00" NextPort="GRSAL" ETAToNextPort="2014-07-19T12:00:00" ETDFromPortOfCall="2014-07-18T12:00:00"</pre>	

	<pre> BriefCargoDescription="desc" > <!--0 to 9 repetitions:--> <urn:PurposeOfCall CallPurposeCode="10"/> <urn:PurposeOfCall CallPurposeCode="11"/> </urn:VoyageInformation> <!--Optional:--> <urn:HazmatInformation> <!--Optional:--> <urn:HazmatSummary INFShipClass="INF1"> <!--0 to 99 repetitions:--> <urn:DG DGClassification="IMDG"/> </urn:HazmatSummary> <!--Optional:--> <urn:HazmatDetails> <urn:Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-08-06T10:00:00" ShipCallId="sc16062014ts2"/> <urn:CargoInformation> <!--Zero or more repetitions:--> <urn:Consignment TransportDocumentID="transportDocId" PortOfLoading="GRPIR" PortOfDischarge="GRITA"> <!--1 to 99 repetitions:--> <urn:DPGItem DGClassification="IMDG" TextualReference="textref" ImoHazardClass="hazard" UNNumber="unn" PackingGroup="II" FlashPoint="30" MarpolCode="OS" PackageType="1B" TotalNumberOfPackages="10" AdditionalInformation="additional info"> <!--0 to 2 repetitions:--> <urn:EmS EmsNumber="EmSNumber1"/> <urn:EmS EmsNumber="EmSNumber2"/> <!--0 to 5 repetitions:--> <urn:SubsidiaryRisk SubsidiaryRisk="subsidiaryRisk1"/> <urn:SubsidiaryRisk SubsidiaryRisk="subsidiaryRisk2"/> <!--Optional:--> <urn:TotalQuantityGross UnitOfMeasurement="KGM" Quantity="123.12"/> <!--Optional:--> <urn:TotalQuantityNet UnitOfMeasurement="TNE" Quantity="123.12"/> <!--1 or more repetitions:--> <urn:TransportEquipmentUnit LocationOnBoard="WED" NoOfPackages="10" TransUnitId="transUnitId"> <!--Optional:--> <urn:GrossQuantity UnitOfMeasurement="KGM" Quantity="123.12"/> <!--Optional:--> <urn:NetQuantity UnitOfMeasurement="TNE" Quantity="123.12"/> </urn:TransportEquipmentUnit> <urn:TransportEquipmentUnit LocationOnBoard="LOE" NoOfPackages="20" TransUnitId="transUnitId2"> <!--Optional:--> <urn:GrossQuantity UnitOfMeasurement="KGM" Quantity="150"/> <!--Optional:--> <urn:NetQuantity UnitOfMeasurement="TNE" Quantity="150"/> </urn:TransportEquipmentUnit> <!--Zero or more repetitions:--> <urn:NonTransportEquipmentUnit LocationOnBoard="LOE" NoOfPackages="10"> <!--Optional:--> <urn:GrossQuantity UnitOfMeasurement="KGM" Quantity="123.12"/> <!--Optional:--> <urn:NetQuantity UnitOfMeasurement="TNE" Quantity="123.12"/> </urn:NonTransportEquipmentUnit> </urn:DPGItem> </urn:Consignment> </urn:CargoInformation> </urn:HazmatDetails> </urn:HazmatInformation> </urn:QueryResults> </urn:Body> </urn:MS2SSN_ShipCall_Res> </pre>
S3610-03	<p>Input: SSN2MS_ShipCall_Req from SSN for SelectedShipCall – Get waste 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 TimeoutValue="30" SSNRefId="346357" Version="3.0" To="GRPIR01" </pre>

	<pre> SentAt="2014-08-28T10:21:08Z" From="SafeSeaNet"/> <Body> <RequiredResponseCriteria> <ShipCallResp GetWaste="WasteDetails"/> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511" /> <AdditionalSearchCriteria ShipCallId=" sc16062014ts2 "/> </SearchCriteria> </RequiredResponseCriteria> </Body> </pre>
MS2SSN Response	<pre> <?xml version="1.0" encoding="UTF-8"?><urn:MS2SSN_ShipCall_Res xmlns:urn="urn:eu.emsa.ssn"> <urn:Header Version="3.0" SentAt="2014-08-05T10:00:00" From="GRPIR01" To="SafeSeaNet" MSRefId="Aklsf55s" SSNRefId="1529116" StatusCode="OK"/> <urn:Body> <urn:ProvidedResponseCriteria> <!--Optional:--> <urn:ShipCallResp GetWaste="WasteDetails"/> <!--Optional:--> <urn:SearchCriteria> <!--Optional:--> <urn:ShipIdentificationCriteria IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALESI"/> <AdditionalSearchCriteria ShipCallId=" sc16062014ts2 "/> </urn:SearchCriteria> </urn:ProvidedResponseCriteria> <!--Optional:--> <urn:QueryResults> <urn:VesselIdentification IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALESI" Flag="GR"/> <urn:VoyageInformation ShipCallId="sc16062014ts2" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" PortFacility="test" ETDFromLastPort="2014-07- 16T12:00:00" ETAToPortOfCall="2014-08-14T12:00:00" NextPort="GRSAL" ETAToNextPort="2014-07-19T12:00:00" ETDFromPortOfCall="2014-07-18T12:00:00" BriefCargoDescription="desc" PoBasinHazmatNotification="10"> <!--0 to 9 repetitions:--> <urn:PurposeOfCall CallPurposeCode="10"/> <urn:PurposeOfCall CallPurposeCode="11"/> </urn:VoyageInformation> <!--Optional:--> <urn:WasteInformation> <!--Optional:--> <urn:WasteSummary LastPortDelivered="GRITA" LastPortDeliveredDate="2014-07- 16T12:00:00" WasteDeliveryStatus="All"/> <!--Optional:--> <urn:WasteDetails> <urn:Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-08- 05T10:00:00" ShipCallId="sc16062014ts2"/> <!--Zero or more repetitions:--> <urn:WasteItem PortDeliveryRemainingWaste="GRPIR"> <urn:WasteType> <!--Optional:--> <urn:WasteCode>1100</urn:WasteCode> </urn:WasteType> <urn:ToBeDelivered UnitOfMeasurement="KGM" Quantity="123.12"/> <!--Optional:--> <urn:MaxStorage UnitOfMeasurement="KGM" Quantity="123.12"/> <!--Optional:--> <urn:RetainedOnBoard UnitOfMeasurement="TNE" Quantity="123.12"/> <!--Optional:--> <urn:EstimateGenerated UnitOfMeasurement="TNE" Quantity="123.12"/> </urn:WasteItem> </urn:WasteDetails> </urn:WasteInformation> </urn:QueryResults> </urn:Body> </urn:MS2SSN_ShipCall_Res> </pre>
S3610-04	<p>Input: SSN2MS_ShipCall_Req from SSN for SelectedShipCall – 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"> </pre>

	<pre> <Header TimeoutValue="30" SSNRefId="346352" Version="3.0" To="GRPIR01" SentAt="2014-08-28T10:21:08Z" From="SafeSeaNet"/> <ssn:Body> <ssn:Source Requestor="GRPIR01"/> <ssn:RequiredResponseCriteria> <ssn:ShipCallResp GetSecurity="SecurityDetails"/> <ssn:SearchCriteria> <ssn:AdditionalSearchCriteria ShipCallId="sc16062014ts2"/> </ssn:SearchCriteria> </ssn:RequiredResponseCriteria> </ssn:Body> </ssn:SSN2MS_ShipCall_Req> </pre>
MS2SSN Response	<pre> <urn:MS2SSN_ShipCall_Res xmlns:urn="urn:eu.emsa.ssn"> <urn:Header Version="3.0" SentAt="2014-08-06T10:00:00" From="GRPIR01" To="SafeSeaNet" MSRefId="jujy598759" SSNRefId="1535903" StatusCode="OK"/> <urn:Body> <urn:ProvidedResponseCriteria> <!--Optional:--> <urn:ShipCallResp GetSecurity="SecurityDetails"/> <!--Optional:--> <urn:SearchCriteria> <!--Optional:--> <urn:ShipIdentificationCriteria IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALESI"/> <AdditionalSearchCriteria ShipCallId="sc16062014ts2"/> </urn:SearchCriteria> </urn:ProvidedResponseCriteria> <!--Optional:--> <urn:QueryResults> <urn:VesselIdentification IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALESI" Flag="GR"/> <urn:VoyageInformation ShipCallId="sc16062014ts2" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" PortFacility="test" ETDFromLastPort="2014-07- 16T12:00:00" ETAToPortOfCall="2014-08-14T12:00:00" NextPort="GRSAL" ETAToNextPort="2014-07-19T12:00:00" ETDFromPortOfCall="2014-07-18T12:00:00" BriefCargoDescription="desc" > <!--0 to 9 repetitions:--> <urn:PurposeOfCall CallPurposeCode="10"/> <urn:PurposeOfCall CallPurposeCode="11"/> </urn:VoyageInformation> <!--Optional:--> <urn:SecurityInformation> <!--Optional:--> <urn:SecuritySummary CurrentSecurityLevel="SL1"> </urn:SecuritySummary> <!--Optional:--> <urn:SecurityDetails ValidISSC="Y" ReasonForNoValidISSC="" ApprovedSecurityPlan="Y" SecurityRelatedMatterToReport="Security related matters"> <urn:Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-08- 06T10:00:00" ShipCallId="sc16062014ts2"/> <urn:CSO FirstName="" LastName="SafeSeaNet" Phone="+351211209415" Fax="+351211209415" Email="aggelos.argyropoulos@intrasoftware-intl.com"/> <!--Optional:--> <urn:ISSC ISSCType="Full" IssuerType="GVT" Issuer="issuer" ExpiryDate="2014- 09-06"/> <!--Zero or more repetitions:--> <urn:PreviousCallAtPortFacility Port="GRPIR" DateOfArrival="2014-08-06" DateOfDeparture="2014-08-07" PortFacility="code" SecurityLevel="SL2" SpecialOrAdditionalSecurityMeasures="Special security measures"/> <!--Zero or more repetitions:--> <urn:ShipToShipActivity DateFrom="2014-08-06" DateTo="2014-08-07" Activity="14" SecurityMeasures="Security measures"> <urn:Location Locode="GRPIR" Latitude="80" Longitude="101" LocationName="Piraeus"/> </urn:ShipToShipActivity> </urn:SecurityDetails> </urn:SecurityInformation> </urn:QueryResults> </urn:Body> </urn:MS2SSN_ShipCall_Res> </pre>

S3611-01	XML interface requesting ShipCall for GetActiveHazmatForSelectedShip (a)	
S3611-02	XML interface requesting ShipCall for GetActiveHazmatForSelectedShip – invalid format (b) StartDateTime < [SentAt – 7 days]	
Step	Action/Input	Result/output
1	NCA App send out XML message to SSN	
2	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
3	SSN processes the contents of the XML message	Contents are non-conflicting, data provider is deduced
4	SSN processes data provider accessibility	
5a	Data provider offers XML interface	
5b	SSN cannot process XML message	Invalid parameters
6a	SSN establishes connection with data provider NCA App	Connection established
7a	SSN transmits XML message requesting notification details	XML message is validated against XML schema / well-formed + valid
8a	NCA App sends back XML message with latest details	
9a	SSN forwards XML message with notification details to NCA App	
9b	SSN sends back XML message with status code InvalidFormat	
10a	NCA App receives XML message with Provider info	XML message is validated against XML schema / well-formed + valid
10b	NCA App receives XML message with status code InvalidFormat	XML message is validated against XML schema / well-formed + valid
11	NCA App ends activity	
Sample XML messages		
S3611-01	<p>Precondition: A ShipCall for a vessel exists.</p> <p>Input: The data provider is sending an MS2SSN_ShipCall_Req for a vessel .</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Req message is received and is a valid XML message. The data provider receives asynchronously an SSN2MS_ShipCall_Res from SSN with StatusCode=" OK".</p>	
MS2SSN Request	<pre><?xml version="1.0" encoding="UTF-8"?><ssn:MS2SSN_ShipCall_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header Version="3.0" TestId="GRPIR01" SentAt="2014-07-25T08:52:00Z" From="GRPIR01" To="SafeSeaNet" MSRefId="MS2SSN_ShipCall_Req_21" TimeoutValue="0"/> <ssn:Body> <ssn:RequiredResponseCriteria> <ssn:ShipCallResp GetDetails="GetActiveHazmatForSelectedShip" /> <ssn:SearchCriteria> <ssn:TimePeriodCriteria StartDateTime="2014-07-19T18:00:00Z"/> <ssn:ShipIdentificationCriteria MMSINumber="237777131"/> </ssn:SearchCriteria> </ssn:RequiredResponseCriteria> </ssn:Body> </ssn:MS2SSN_ShipCall_Req></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_21" SSNRefId="1533674" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T14:50:42Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt></pre>	
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN2MS_ShipCall_Res xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_21" SSNRefId="MS2SSN_ShipCall_Req_21" StatusCode="OK" Version="3.0" TestId="GRPIR01" SentAt="2014-08-22T14:50:43Z" From="SafeSeaNet" To="GRPIR01"/><Body><ProvidedResponseCriteria><ShipCallResp GetDetails="GetActiveHazmatForSelectedShip"/><SearchCriteria><TimePeriodCriteria StartDateTime="2014-07-19T18:00:00Z" /><ShipIdentificationCriteria MMSINumber="237777131"/></SearchCriteria></ProvidedResponseCriteria><QueryResults><PortPlusNotificationList><Source ProviderOfLastUpdate="thanosId" LastUpdateReceivedAt="2014-07-16T07:54:45Z"/><VesselIdentification Flag="GR" CallSign="GR71313" ShipName="KAKO-SALESI" IMONumber="9332511" MMSINumber="237777131"/><VoyageInformation ShipCallId="sc16062014ts2" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" PortFacility="1212" ETDFromLastPort="2014-07-16T12:00:00Z" ETAToPortOfCall="2014-08-</pre>	

	<pre> 30T12:00:00Z" NextPort="GRSAL" ETAToNextPort="2014-07-19T12:00:00Z" ETDFromPortOfCall="2014-07-18T12:00:00Z" BriefCargoDescription="test brief cargo desc"><PurposeOfCall CallPurposeCode="11"/><PurposeOfCall CallPurposeCode="12"/></VoyageInformation><VesselDetails GrossTonnage="100" ShipType="501"><InmarsatCallNumber Inmarsat="999999999"/><InmarsatCallNumber Inmarsat="999999999"/><CertificateOfRegistry IssueDate="2014-01-01Z" CertificateNumber="1Q23H56"><PortOfRegistry LoCode="GRPIR" LocationName="PIRAEUS"/></CertificateOfRegistry><Company CompanyName="TEST_COMP" ImoCompanyNr="9332511"/></VesselDetails><PreArrival3DaysNotificationDetails CargoVolumeNature="asdfsadf" PlannedOperations="asdfsadf" PlannedWorks="asdfsadf" ConditionCargoBallastTanks="asdfsadf" PossibleAnchorage="Y" ShipConfiguration="SHT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="10"/><HazmatConfirmation HazmatOnBoardYorN="Y"/></PortPlusNotificationList><PortPlusNotificationDetails> <HazmatInformation> <HazmatSummary INFShipClass="INF1"> <DG DGClassification="IMDG"/> </HazmatSummary> <HazmatDetails> <Source ProviderOfLastUpdate="thanosId" LastUpdateReceivedAt="2014-07- 16T07:54:45Z" ShipCallId="sc16062014ts2"/> <CargoInformation> <Consignment TransportDocumentID="transportDocId" PortOfLoading="ESCAD" PortOfDischarge="GRPIR"> <DPGItem DGClassification="IMDG" TextualReference="textref" IMO HazardClass="1.1" UNNumber="5555" PackingGroup="II" FlashPoint="30" PackageType="1B" TotalNrOfPackages="40" AdditionalInformation="additional info"> <EmS EmSNumber="S-A "/> <EmS EmSNumber="F-A"/> <SubsidiaryRisks SubsidiaryRisk="subsidiaryRisk1"/> </SubsidiaryRisks> SubsidiaryRisk="subsidiaryRisk2"/> <TotalQuantityGross UnitOfMeasurement="KGM" Quantity="396.24"/> <TotalQuantityNet UnitOfMeasurement="KGM " Quantity="396.24"/> <TransportEquipmentUnit LocationOnBoard="WED" NoOfPackages="10" TransUnitId="transUnitId1"> <QuantityGross UnitOfMeasurement="KGM" Quantity="123.12"/> <QuantityNet UnitOfMeasurement="KGM " Quantity="123.12"/> </TransportEquipmentUnit> <TransportEquipmentUnit LocationOnBoard="LOE" NoOfPackages="20" TransUnitId="transUnitId2"> <QuantityGross UnitOfMeasurement="KGM" Quantity="150"/> <QuantityNet UnitOfMeasurement="KGM " Quantity="150"/> </TransportEquipmentUnit> <TransportEquipmentUnit LocationOnBoard="LOE3" NoOfPackages="10" TransUnitId="transUnitId3"> <QuantityGross UnitOfMeasurement="KGM" Quantity="123.12"/> <QuantityNet UnitOfMeasurement=" KGM " Quantity="123.12"/> </TransportEquipmentUnit> </DPGItem> </Consignment> </CargoInformation> </HazmatDetails> </HazmatInformation></PortPlusNotificationDetails></QueryResults></Body></SSN2MS_ShipCa ll_Res> </pre>
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S3612-01	XML interface requesting ShipCall for GetActiveSecurityForSelectedShip (a)	
S3612-02	XML interface requesting ShipCall for GetActiveSecurityForSelectedShip – invalid format (b)	
	StartDateTime < [SentAt – 7 days]	
Step	Action/Input	Result/output
1	NCA App send out XML message to SSN	
2	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
3	SSN processes the contents of the XML message	Contents are non-conflicting, data provider is deduced
4	SSN processes data provider accessibility	
5a	Data provider offers XML interface	
5b	SSN cannot process XML message	Invalid parameters
6a	SSN establishes connection with data provider NCA App	Connection established
7a	SSN transmits XML message requesting	XML message is validated against XML schema / well-

	notification details	formed + valid
8a	NCA App sends back XML message with latest details	
9a	SSN forwards XML message with notification details to NCA App	
9b	SSN sends back XML message with status code InvalidFormat	
10a	NCA App receives XML message with Provider info	XML message is validated against XML schema / well-formed + valid
10b	NCA App receives XML message with status code InvalidFormat	XML message is validated against XML schema / well-formed + valid
11	NCA App ends activity	
Sample XML messages		
S3612-01	<p>Precondition: A ShipCall for a vessel exists.</p> <p>Input: The data provider is sending an MS2SSN_ShipCall_Req for a vessel.</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK". The SSN_Receipt verifies that the Req message is received and is a valid XML message. The data provider receives asynchronously an SSN2MS_ShipCall_Res from SSN with StatusCode=" OK".</p>	
MS2SSN Request	<pre><?xml version="1.0" encoding="UTF-8"?><ssn:MS2SSN_ShipCall_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header Version="3.0" TestId="GRPIR01" SentAt="2014-07-15T08:52:00Z" From="GRPIR01" To="SafeSeaNet" MSRefId="MS2SSN_ShipCall_Req_s2" TimeoutValue="60"/> <ssn:Body> <ssn:RequiredResponseCriteria> <ssn:ShipCallResp GetDetails="GetActiveSecurityForSelectedShip" GetSecurity="SecuritySummary"/> <ssn:SearchCriteria> <ssn:TimePeriodCriteria StartDateTime="2014-07-12T18:00:00Z"/> <ssn:ShipIdentificationCriteria IMONumber="9332511"/> </ssn:SearchCriteria> </ssn:RequiredResponseCriteria> </ssn:Body> </ssn:MS2SSN_ShipCall_Req></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_s2" SSNRefId="1535416" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" TestId="GRPIR01" SentAt="2014-08-28T15:35:48Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt></pre>	
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN2MS_ShipCall_Res xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_s2" SSNRefId="MS2SSN_ShipCall_Req_s2" StatusCode="OK" Version="3.0" TestId="GRPIR01" SentAt="2014-08-28T15:35:49Z" From="SafeSeaNet" To="GRPIR01"/><Body><ProvidedResponseCriteria><ShipCallResp GetDetails="GetActiveSecurityForSelectedShip" GetSecurity="SecuritySummary"/><SearchCriteria><TimePeriodCriteria StartDateTime="2014- 07-12T18:00:00Z"/><ShipIdentificationCriteria IMONumber="9332511"/></SearchCriteria></ProvidedResponseCriteria><QueryResults><PortPl usNotificationList><Source ProviderOfLastUpdate="thanosId" LastUpdateReceivedAt="2014-07- 17T15:52:04Z"/><VesselIdentification Flag="GR" CallSign="GR71313" ShipName="KAKO-SALESI" IMONumber="9332511" MMSINumber="237777131"/><VoyageInformation ShipCallId="sc17062014ts3" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" ETDFromLastPort="2014-07-16T12:00:00Z" ETAToPortOfCall="2014-07-17T12:00:00Z" NextPort="GRSAL" ETAToNextPort="2014-07-19T12:00:00Z" ETDFromPortOfCall="2014-07- 18T12:00:00Z"/><VesselDetails GrossTonnage="0"><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival3DaysNotificationDetails CargoVolumeNature="asdfsadf" PlannedOperations="asdfsadf" PlannedWorks="asdfsadf" ConditionCargoBallastTanks="asdfsadf" PossibleAnchorage="Y" ShipConfiguration="SHT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="10"/><HazmatConfirmation HazmatOnBoardYorN="N"/></PortPlusNotificationList><PortPlusNotificationDetails><SecurityInfor mation><SecuritySummary CurrentSecurityLevel="SL1"><AgentInPortOfArrival AgentName="Thanassis" Phone="2109341354" Fax="2109341354" Email="ts@ew.gr"/></SecuritySummary></SecurityInformation></PortPlusNotificationDetails></ QueryResults></Body></SSN2MS_ShipCall_Res></pre>	

S3612-01	Message-based mechanism response to ShipCall request for GetActiveSecurityForSelectedShip – Get Security details (b)	
Step	Action /Input	Result/output
1	Login.	Login Success.
2	Select the Find Information > Voyage/Ship Information > Current Ship Information > Active Hazmat	Displays the Search form.
3	Enter the vessel identification criteria - mandatory. Press the Search button. Select a vessel from the list by clicking on its IMO number hyperlink. Adjust the time period criteria if needed.	A list of vessels that match the identification criteria is displayed.
4(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.
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		
S3612-01	Input: SSN2MS_ShipCall_Req from SSN for GetActiveSecurityForSelectedShip – Get Security details. Output: MS2SSN_ShipCall_Res from the data provider.	
SSN2MS Request	<pre> <?xml version="1.0" encoding="UTF-8"?> <SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"> <Header TimeoutValue="30" SSNRefId="346357" Version="3.0" To="GRPIR01" SentAt="2014-08-28T10:21:08Z" From="SafeSeaNet"/> <Body> <Source Requestor="GRPIR01"/> <RequiredResponseCriteria> <ShipCallResp GetSecurity="SecurityDetails" /> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511" /> <AdditionalSearchCriteria ShipCallId="sc16062014ts2"/> </SearchCriteria> </RequiredResponseCriteria> </Body> </SSN2MS_ShipCall_Req> </pre>	
MS2SSN Response	<pre> <MS2SSN_ShipCall_Res xmlns="eu.emsa.ssn"> <Header Version="3.0" SentAt="2014-08-06T10:00:00" From="GRPIR01" To="SafeSeaNet" MSRefId="jwetryu" SSNRefId="1535903" StatusCode="OK"/> <Body> <ProvidedResponseCriteria> <!--Optional:--> <ShipCallResp GetSecurity="SecurityDetails"/> <!--Optional:--> <SearchCriteria> <!--Optional:--> <ShipIdentificationCriteria IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALESI"/> </SearchCriteria> </ProvidedResponseCriteria> <!--Optional:--> <QueryResults> <VesselIdentification IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALESI" Flag="GR"/> <VoyageInformation ShipCallId="sc16062014ts2" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" PortFacility="test" ETDFromLastPort="2014-07-16T12:00:00" ETAToPortOfCall="2014-08-14T12:00:00" NextPort="GRSAL" ETAToNextPort="2014-07- </pre>	

	<pre> 19T12:00:00" ETDFromPortOfCall="2014-07-18T12:00:00" BriefCargoDescription="desc" > <!--0 to 9 repetitions:--> <PurposeOfCall CallPurposeCode="10"/> <PurposeOfCall CallPurposeCode="11"/> </VoyageInformation> <!--Optional:--> <SecurityInformation> <!--Optional:--> <SecuritySummary CurrentSecurityLevel="SL1"> </SecuritySummary> <!--Optional:--> <SecurityDetails ValidISSC="Y" ReasonForNoValidISSC="" ApprovedSecurityPlan="Y" SecurityRelatedMatterToReport="Security related matters"> <Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-08- 06T10:00:00" ShipCallId="sc16062014ts2"/> <CSO FirstName="" LastName="SafeSeaNet" Phone="+351211209415" Fax="+351211209415" EMail="aggelos.argyropoulos@intrasoft-intl.com"/> <!--Optional:--> <ISSC ISSCType="Full" IssuerType="GVT" Issuer="issuer" ExpiryDate="2014-09- 06"/> <!--Zero or more repetitions:--> <PreviousCallAtPortFacility Port="GRPIR" DateOfArrival="2014-08-06" DateOfDeparture="2014-08-07" PortFacility="code" SecurityLevel="SL2" SpecialOrAdditionalSecurityMeasures="Special security measures"/> <!--Zero or more repetitions:--> <ShipToShipActivity DateFrom="2014-08-06" DateTo="2014-08-07" Activity="14" SecurityMeasures="Security measures"> <Location Locode="GRPIR" Latitude="80" Longitude="101" LocationName="Piraeus"/> </ShipToShipActivity> </SecurityDetails> </SecurityInformation> </QueryResults> </Body> </MS2SSN_ShipCall_Res> </pre>
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S3613-01	XML interface requesting ShipCall for GetActiveWasteForSelectedShip (a)	
S3613-02	XML interface requesting ShipCall for GetActiveWasteForSelectedShip – invalid format (b) StartDateTime < [SentAt – 7 days]	
Step	Action/Input	Result/output
1	NCA App send out XML message to SSN	
2	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
3	SSN processes the contents of the XML message	Contents are non-conflicting, data provider is deduced
4	SSN processes data provider accessibility	
5a	Data provider offers XML interface	
5b	SSN cannot process XML message	Invalid parameters
6a	SSN establishes connection with data provider NCA App	Connection established
7a	SSN transmits XML message requesting notification details	XML message is validated against XML schema / well-formed + valid
8a	NCA App sends back XML message with latest details	
9a	SSN forwards XML message with notification details to NCA App	
9b	SSN sends back XML message with status code InvalidFormat	
10a	NCA App receives XML message with Provider info	XML message is validated against XML schema / well-formed + valid
10b	NCA App receives XML message with status code InvalidFormat	XML message is validated against XML schema / well-formed + valid
11	NCA App ends activity	
Sample XML messages		
S3613-01	Precondition: A ShipCall for a vessel exists. Input: The data provider is sending an MS2SSN_ShipCall_Req for a vessel. Output: The data provider receives synchronously from SSN an SSN_Receipt with	

	<p>StatusCode="OK". The SSN_Receipt verifies that the Req message is received and is a valid XML message. The data provider receives asynchronously an SSN2MS_ShipCall_Res from SSN with StatusCode="OK".</p>
MS2SSN Request	<pre><?xml version="1.0" encoding="UTF-8"?><ssn:MS2SSN_ShipCall_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header Version="3.0" TestId="GRPIR01" SentAt="2014-07-15T08:52:00Z" From="GRPIR01" To="SafeSeaNet" MSRefId="MS2SSN_ShipCall_Req_w7" TimeoutValue="60"/> <ssn:Body> <ssn:RequiredResponseCriteria> <ssn:ShipCallResp GetDetails="GetActiveWasteForSelectedShip" GetWaste="WasteSummary"/> <ssn:SearchCriteria> <ssn:TimePeriodCriteria StartDateTime="2014-07-12T18:00:00Z"/> <ssn:ShipIdentificationCriteria IMONumber="9332511"/> </ssn:SearchCriteria> </ssn:RequiredResponseCriteria> </ssn:Body> </ssn:MS2SSN_ShipCall_Req></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_w7" SSNRefId="1535411" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" TestId="GRPIR01" SentAt="2014-08-28T15:28:49Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt></pre>
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN2MS_ShipCall_Res xmlns="urn:eu.emsa.ssn"><Header MSRefId="MS2SSN_ShipCall_Req_w7" SSNRefId="MS2SSN_ShipCall_Req_w7" StatusCode="OK" Version="3.0" TestId="GRPIR01" SentAt="2014-08-28T15:28:49Z" From="SafeSeaNet" To="GRPIR01"/><Body><ProvidedResponseCriteria><ShipCallResp GetDetails="GetActiveWasteForSelectedShip" GetWaste="WasteSummary"/><SearchCriteria><TimePeriodCriteria StartDateTime="2014-07- 12T18:00:00Z"/><ShipIdentificationCriteria IMONumber="9332511"/></SearchCriteria></ProvidedResponseCriteria><QueryResults><PortPl usNotificationList><Source ProviderOfLastUpdate="thanosId" LastUpdateReceivedAt="2014-07- 17T15:52:04Z"/><VesselIdentification Flag="GR" CallSign="GR71313" ShipName="KAKO-SALESI" IMONumber="9332511" MMSINumber="237777131"/><VoyageInformation ShipCallId="sc17062014ts3" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" ETDFromLastPort="2014-07-16T12:00:00Z" ETAToPortOfCall="2014-07-17T12:00:00Z" NextPort="GRSAL" ETAToNextPort="2014-07-19T12:00:00Z" ETDFromPortOfCall="2014-07- 18T12:00:00Z"/><VesselDetails GrossTonnage="0"/><Company ImoCompanyNr="0000000"/></VesselDetails><PreArrival3DaysNotificationDetails CargoVolumeNature="asdfsadf" PlannedOperations="asdfsadf" PlannedWorks="asdfsadf" ConditionCargoBallastTanks="asdfsadf" PossibleAnchorage="Y" ShipConfiguration="SHT"/><PreArrival24HoursNotificationDetails POBVoyageTowardsPortOfCall="10"/><HazmatConfirmation HazmatOnBoardYorN="N"/></PortPlusNotificationList><PortPlusNotificationDetails><WasteInform ation><WasteSummary LastPortDelivered="GRPIR" LastPortDeliveredDate="2014-07- 14T10:00:00Z" WasteDeliveryStatus="All"/></WasteInformation></PortPlusNotificationDetails></QueryResults> </Body></SSN2MS_ShipCall_Res></pre>

S3613-01	Message-based mechanism response to ShipCall request for GetActiveWasteForSelectedShip – Get Waste details (c)	
Step	Action/Input	Result/output
1	Login.	Login Success.
2	Select the Find Information > Voyage/Ship Information > Current Ship Information > Active Hazmat	Displays the Search form.
3	Enter the vessel identification criteria - mandatory. Press the Search button. Select a vessel from the list by clicking on its IMO number hyperlink. Adjust the time period criteria if needed.	A list of vessels that match the identification criteria is displayed.
4(c)	Select Get Waste = "Waste Details"	The system shall list the ship call based on the search criteria. Ensure the ship call displayed is the one previously notified by you.
5	Click on the Details icon.	A SSN2MS_ShipCall_Req will be send out
6	SSN establishes connection with data	Connection established

	provider NCA App	
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		
S3613-01	Input: SSN2MS_ShipCall_Req from SSN for GetActiveWasteForSelectedShip – Get Waste details. Output: MS2SSN_ShipCall_Res from the data provider.	
SSN2MS Request	<pre> <?xml version="1.0" encoding="UTF-8"?> <SSN2MS_ShipCall_Req xmlns="urn:eu.emsa.ssn"> <Header TimeoutValue="30" SSNRefId="346357" Version="3.0" To="GRPIR01" SentAt="2014-08-28T10:21:08Z" From="SafeSeaNet"/> <Body> <Source Requestor="GRPIR01"/> <RequiredResponseCriteria> <ShipCallResp GetWaste="WasteDetails" /> <SearchCriteria> <ShipIdentificationCriteria IMONumber="9332511" /> <AdditionalSearchCriteria ShipCallId="sc16062014ts2"/> </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="3.0" SentAt="2014-08-05T10:00:00" From="GRPIR01" To="SSN" MSRefId="wertr" SSNRefId="1529116" StatusCode="OK"/> <Body> <ProvidedResponseCriteria> <!--Optional:--> <ShipCallResp GetWaste="WasteDetails"/> <!--Optional:--> <SearchCriteria> <!--Optional:--> <ShipIdentificationCriteria IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALESI"/> </SearchCriteria> </ProvidedResponseCriteria> <!--Optional:--> <QueryResults> <VesselIdentification IMONumber="9332511" MMSINumber="237777131" CallSign="GR71313" ShipName="KAKO-SALESI" Flag="GR"/> <VoyageInformation ShipCallId="sc16062014ts2" LastPort="GRITA" PortOfCall="GRPIR" PositionInPortOfCall="marine" PortFacility="test" ETDFromLastPort="2014-07-16T12:00:00" ETAToPortOfCall="2014-08-14T12:00:00" NextPort="GRSAL" ETAToNextPort="2014-07- 19T12:00:00" ETDFromPortOfCall="2014-07-18T12:00:00" BriefCargoDescription="desc" PoBasinHazmatNotification="10"> <!--0 to 9 repetitions:--> <PurposeOfCall CallPurposeCode="10"/> <PurposeOfCall CallPurposeCode="11"/> </VoyageInformation> <!--Optional:--> <WasteInformation> <!--Optional:--> <WasteSummary LastPortDelivered="GRITA" LastPortDeliveredDate="2014-07- 16T12:00:00" WasteDeliveryStatus="All"/> <!--Optional:--> <WasteDetails> <Source ProviderOfLastUpdate="GRPIR01" LastUpdateReceivedAt="2014-08- 05T10:00:00" ShipCallId="sc16062014ts2"/> <!--Zero or more repetitions:--> <WasteItem PortDeliveryRemainingWaste="GRPIR"> <WasteType> <!--Optional:--> <WasteCode>1100</WasteCode> </WasteType> <ToBeDelivered UnitOfMeasurement="KGM" Quantity="123.12"/> <!--Optional:--> </pre>	

	<pre><MaxStorage UnitOfMeasurement="KGM" Quantity="123.12"/> <!--Optional:--> <RetainedOnBoard UnitOfMeasurement="TNE" Quantity="123.12"/> <!--Optional:--> <EstimateGenerated UnitOfMeasurement="TNE" Quantity="123.12"/> </WasteItem> </WasteDetails> </WasteInformation> </QueryResults> </Body> </MS2SSN_ShipCall_Res></pre>
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5.4. REQUEST OF SHIP NOTIFICATIONS (AIS AND MRS)

Use Case Description

This relates to requesting the details of a ship notification (AIS or MRS) sent previously to SSN Central. More specifically, the data requestor will send a MS2SSN_Ship_Req message to SSN Central that in return will respond with the SSN2MS_Ship_Res message providing the details requested.

As the data provider holds some of the details of a Ship notification, SSN will search in its index server to check the data provider (xml for MRS/AIS) and return the details to the data requester. In case of need, the tester shall contact the MSS support for details on what data to request for details. The MSS will provide the details of the vessels for which ship notification information have previously been reported to SSN Central and can be used for each test scenario.

To test the scenarios defined hereunder for each test case contain the MS2SSN_Ship_Req send from the data requestor and the SSN2MS_Ship_Res which is expected from the SSN Central in response. The primary scope of these tests is to verify the MS compliance to request in XML the details for a Ship notification previously sent to SSN.

Users set-up

For the user requesting details via the XML/SOAP, the permission for Ship that users are allowed to request shall be based on the type of notification and quoted as "SHIP_MRS_REQUESTOR" for Ship (MRS) details and "SHIP_AIS_REQUESTOR" for Ship (AIS) details.

The NCA shall define the XML interface by filling in the information shown in Figure 6:

Figure 6 – 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	XML interface – request latest MRS/AIS ship notification details – XML message
TC-0330	Message-based mechanism sending MRS Request – no matching notifications found
TC-0331	Message-based mechanism sending MRS Request – No compliance to authorization requirements
TC-0336	Message-based mechanism sending Ship List Request - normal flow
TC-0337	Message-based mechanism sending Ship List Request - no matching notifications found
TC-0338	Message-based mechanism sending Ship List Request - no matching authorization requirements

Test Scenarios

Test Id	Description
S0329-05	Message-based mechanism – latest MRS ship notification details – XML message
S0329-06	Message-based mechanism – latest AIS ship notification details – XML message
S0330-01	Message-based mechanism sending MRS Request – no matching notifications found
S0331-01	Message-based mechanism sending MRS Request – No compliance to authorization requirements
S0336-01	Message-based mechanism sending Ship List Request - normal flow
S0337-01	Message-based mechanism sending Ship List Request - no matching notifications found
S0338-01	Message-based mechanism sending Ship List Request - no compliance authorization requirements

Scenario details

S0329-05	Message-based mechanism sending MRS Request –normal flow (a)	
S0329-06	Message-based mechanism sending AIS Request –normal flow (b)	
Step	Action/Input	Result/output
1	NCA App send out XML message to SSN	
2	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
3	SSN processes the contents of the XML message	Contents are non-conflicting, data provider is deduced
4	SSN processes data provider accessibility	
5	Data provider offers XML interface	
6(a)	SSN establishes connection with data provider NCA App	Connection established
6(b)	SSN retrieves from the Central database the relevant AIS details considering the recorded AIS IEC (streaming messages).	
7(a)	SSN transmits XML message requesting notification details	XML message is validated against XML schema / well-formed + valid
8(a)	NCA App sends back XML message with latest MRS details enclosed	
9(a)	NCA App sends back XML message with MRS details enclosed and Status Code = OK	XML message is validated against XML schema / well-formed + valid
10	SSN forwards XML message with notification details to NCA App	
11	NCA App receives XML message with Provider info	XML message is validated against XML schema / well-formed + valid
12	NCA App ends activity	
Sample XML messages		
S0329-05	<p>Precondition: A MS2SSN_Ship_Not for a vessel with IMONumber="8500068" was previously sent.</p> <p>Input: The data provider is sending an MS2SSN_Ship_Req for a vessel with IMONumber="8500068".</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK" The data provider receives asynchronously an SSN2MS_Ship_Res from SSN with StatusCode="OK" along with the details (XML) of the notification</p>	
MS2SSN Notification	<pre><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_Ship_Req xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" > <Header Version="3.0" MSRefId="SHIP-REQ-MRS-34349as" SentAt="2014-01-30T11:16:38Z" TimeoutValue="60" From="NCAXYZ1" To="SafeSeaNet"/> <Body></pre>	

	<pre> <SearchCriteria IMONumber="8500068" ShipNotType="MRS"/> </Body> </MS2SSN_Ship_Req> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header StatusMessage="The message processed successfully." StatusCode="OK" SSNRefId="N/A" MSRefId="SHIP-REQ-MRS-34349as" Version="3.0" To="NCAXYZ1" SentAt="2014-01-30T11:16:38Z " From="SafeSeaNet"/> </SSN_Receipt> </pre>
SSN2MS Response	<pre> <?xml version="1.0" encoding="UTF-8"?> <SSN2MS_Ship_Res xmlns="urn:eu.emsa.ssn" > <Header StatusCode="OK" SSNRefId="1187776293553" MSRefId="SHIP-REQ-MRS-35asd" Version="3.0" To="NCAXYZ1" SentAt="2014-01-30T11:16:38Z" From="SafeSeaNet"/> <Body> <SearchCriteria IMONumber="8500068" ShipNotType="MRS"/> <NotificationDetails SentAt="2014-08-22T06:50:37Z" From="NCAXYZ1"> <VesselIdentification ShipName="MAJ DANIELSEN" CallSign=" C6005" IMONumber="8500068"/><VoyageInformation NextPortOfCall="PTLIS" ETA="2014-01- 31T07:37:00Z" TotalPersonsOnBoard="35" Longitude="-7220333" Latitude="33059166"/> <MRSNotificationDetails> <MRSInformation MRSIdentification="ADRIREP"/> <MRSVoyageInformation Longitude="-7220333" Latitude="33059166" AnyDG="Y" TotalPersonsOnBoard="35" NextPortOfCall="PTLIS" ETA="2014-02-09T05:37:00Z" ReportingDateAndTime="2014-08-22T06:50:37Z"/> <MRSDynamicInformation SOG="1023" NavigationalStatus="8" COG="3600"> <Bunker Quantity="10" Chars="BUNKER"/> </MRSDynamicInformation> <MRSCargoInformation CargoType="CARGOTYPE"> <DG > <DGDDetails IMOCClass="6.1" Quantity="1530"/> </DG> <ContactDetails LastName="GRSAX" Phone="3512112000000"/> </MRSCargoInformation> </MRSNotificationDetails> </NotificationDetails> </Body> </SSN2MS_Ship_Res> </pre>
S0329-06	<p>Precondition: It was previously sent an AIS IEC message (streaming messages) for a vessel with IMONumber="8500068".</p> <p>Input: The data provider is sending an MS2SSN_Ship_Req for a vessel with IMONumber="8500068".</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK" The data provider receives asynchronously an SSN2MS_Ship_Res from SSN with StatusCode="OK" along with the details (XML) of the notification</p>
MS2SSN Notification	<pre> <?xml version="1.0" encoding="UTF-8"?> <MS2SSN_Ship_Req xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" > <Header Version="3.0" MSRefId="SHIP-REQ-MRS-34349asT" SentAt="2014-01- 30T11:16:38Z" TimeoutValue="60" From="NCAXYZ1" To="SafeSeaNet"/> <Body> <SearchCriteria IMONumber="8500068" ShipNotType="AIS"/> </Body> </MS2SSN_Ship_Req> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header StatusMessage="The message processed successfully." StatusCode="OK" SSNRefId="N/A" MSRefId="SHIP-REQ-MRS-34349qwt" Version="3.0" To="NCAXYZ1" SentAt="2014-01-30T11:16:38Z " From="SafeSeaNet"/> </SSN_Receipt> </pre>

SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8"?> <SSN2MS_Ship_Res xmlns="urn:eu.emsa.ssn"><Header StatusCode="OK" SSNRefId="1187776293553" MSRefId="SHIP-REQ-MRS-35asd" Version="3.0" To="NCAXYZ1" SentAt="2014-01-30T11:16:38Z " From="SafeSeaNet"/> <Body> <SearchCriteria IMONumber="8500068" ShipNotType="AIS"/> <NotificationDetails SentAt="2014-08-22T06:50:37Z" From="NCAXYZ1"> <VesselIdentification ShipName="MAJ DANIELSEN" CallSign=" C6005" IMONumber="8500068"/><VoyageInformation NextPortOfCall="PTLIS" ETA="2014-01- 31T07:37:00Z" TotalPersonsOnBoard="35" Longitude="-7220333" Latitude="33059166"/> <AISNotificationDetails><VesselInformation LengthAndBeam="test" ShipDraught="1" ShipType="1" AntennaLocation="String"/> <AISVoyageInformation Timestamp="2014-01-30T11:16:38Z " Longitude="-7220333" Latitude="33059166" TotalPersonsOnBoard="35" NextPortOfCall="PTLIS" ETA="2014-02-09T05:37:00Z"/> <AISDynamicInformation RoutePlan="test route plan" ROT="123" COG="3600" SOG="1023" NavigationalStatus="8"/> <AISCargoInformation HazardousCargoType="DG"/> </AISNotificationDetails> </NotificationDetails> </Body> </SSN2MS_Ship_Res></pre>
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S0330-01	Message-based mechanism sending MRS Request – no matching notifications found (status code="NotFound")	
Step	Action / Input	Result / output
1	NCA App send out XML message to SSN	
2	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
3	SSN processes the contents of the XML message	Contents are non-conflicting, data provider is deduced
4	SSN processes data provider accessibility	
5	SSN cannot process XML message	No data found
6	SSN sends back XML message with status code NotFound	SSN sends back XML message with status code NotFound
7	NCA App receives XML message with status code NotFound	NCA App receives XML message with status code NotFound
8	NCA App ends activity	
Sample XML message		
SC-SSN-	<p>Precondition: A MS2SSN_Ship_Not for a vessel with IMONumber="8500068" was not previously sent.</p> <p>Input: The data provider is sending an MS2SSN_Ship_Req for a vessel with IMONumber="8500068".</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK" The data provider receives asynchronously an SSN2MS_Ship_Res from SSN with StatusCode="NotFound"</p>	
MS2SSN Notification	<pre><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_Ship_Req xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" > <Header Version="3.0" MSRefId="SHIP-REQ-MRS-34349asT" SentAt="2014-01- 30T11:16:38Z" TimeoutValue="60" From="NCAXYZ1" To="SafeSeaNet"/> <Body> <SearchCriteria IMONumber="8500068" ShipNotType="MRS"/> </Body> </MS2SSN_Ship_Req></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header StatusMessage="The message processed successfully." StatusCode="OK" SSNRefId="N/A" MSRefId="SHIP-REQ-MRS-34349asT " Version="3.0" To="NCAXYZ1" SentAt="2014-01-30T11:16:38Z " From="SafeSeaNet"/> </SSN_Receipt></pre>	
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8"?> <SSN2MS_Ship_Res xmlns="urn:eu.emsa.ssn"><Header StatusCode="NotFound" StatusMessage="The notification details requested in the corresponding XML request message does not exist" SSNRefId="1187776293553" MSRefId="SHIP-REQ-MRS-34349asT " Version="3.0" To="NCAXYZ1" SentAt="2014-01-30T11:16:38Z " From="SafeSeaNet"/> <Body> <SearchCriteria IMONumber="8500068" ShipNotType="MRS"/></Body> </SSN2MS_Ship_Res></pre>	

S0331-01	Message-based mechanism sending Request – No compliance to authorization requirements (StatusCode="AccessDenied")	
Step	Action/Input	Result/output
1	NCA App send out XML message to SSN	
2	SSN validates the XML message	XML message is validated against XML schema / well-formed + valid
3	SSN processes the contents of the XML message	Contents are non-conflicting, data provider is deduced
4	SSN processes data provider accessibility	
5	SSN cannot process XML message	No access rights
6	SSN sends back XML message with status code AccessDenied	SSN sends back XML message with status code AccessDenied
7	NCA App receives XML message with status code Accessdenied	NCA App receives XML message with status code Accessdenied
8	NCA App ends activity	
Sample XML message		
	<p>Precondition: The Patry sending the request does not comply to authorization requirements</p> <p>Input: The data provider is sending an MS2SSN_Ship_Req for a vessel with IMONumber="8500068".</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK" The data provider receives asynchronously an SSN2MS_Ship_Res from SSN with StatusCode="AccessDenied"</p>	
MS2SSN request	<pre><?xml version="1.0" encoding="UTF-8"?> <MS2SSN_Ship_Req xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" > <Header Version="3.0" MSRefId="SHIP-REQ -34349asT" SentAt="2015-01-21T15:59:27Z " TimeoutValue="60" From="NCAXYZ1" To="SafeSeaNet"/> <Body> <SearchCriteria IMONumber="8500068" ShipNotType="AIS"/> </Body> </MS2SSN_Ship_Req></pre>	
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header StatusMessage="The message processed successfully." StatusCode="OK" SSNRefId="N/A" MSRefId="SHIP-REQ -34349qwt" Version="3.0" To="NCAXYZ1" SentAt="2015-01-21T15:59:28Z " From="SafeSeaNet"/> </SSN_Receipt></pre>	
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN2MS_Ship_Res xmlns="urn:eu.emsa.ssn"><Header MSRefId="SHIP-REQ-34349asT" SSNRefId="1590196" StatusCode="AccessDenied" StatusMessage="Sender: NCAXYZ1 tried to sent a MS2SSN_Ship_Req for which he doesnt have permission." Version="3.0" SentAt="2015-01-21T15:59:29Z" From="SafeSeaNet" To="NCAXYZ1"/><Body><SearchCriteria IMONumber="8500068"/></Body></SSN2MS_Ship_Res></pre>	

S0336-01	Message-based mechanism sending MS2SSN_Ship_List_Req – normal flow	
S0337-01	Message-based mechanism sending MS2SSN_Ship_List_Req – no matching notifications found (a)	
S0338-01	Message-based mechanism sending MS2SSN_Ship_List_Req – No compliance to authorization requirements (b)	
Step	Action/Input	
1	SSN receives XML message from NCA App	
2	SSN validates the XML message	
3	SSN processes the contents of the XML message and associates the response with the corresponding request awaiting reply.	
3b	SSN validates that the NCA App is not allowed to send the request	
4/4b	SSN verifies that the response is compliant to the corresponding request (verifies the search criteria/vessel identification).	
4a	SSN verifies that the requested information was not found	
5	SSN establishes connection with data provider NCA App	

9	SSN logs and forward XML message with notification details to NCA App
9a	SSN logs and forward XML message without notification details to NCA App because requested information was not found
10	SSN ends activity
S0336-01	<p>Precondition: Several MS2SSN_Ship_Not for MRSIdentification="ADRIREP" were previously sent. A request from the requestor is accepted and the data exists</p> <p>Input: The data provider is sending an MS2SSN_Ship_List_Req for a list of vessels with MRSIdentification="ADRIREP"</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK" The data provider receives asynchronously an SSN2MS_Ship_List_Res from SSN with StatusCode="OK" along with the details (XML) of the notification</p>
MS2SSN request	<pre><MS2SSN_Ship_List_Req xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:eu.emsa.ssn ../../main/xsd/ssn.xsd"> <Header Version="3.0" MSRefId="ms2ssn_ship_list_123123" SentAt="2014-08-27T06:27:24" From="GRPIR01" TimeoutValue="60" To="SafeSeaNet" /> <Body> <SearchCriteria MRSIdentification="ADRIREP" StartDateTime="2014-09-10T06:27:24" EndDateTime="2014-09-11T06:27:24" /> </Body> </MS2SSN_Ship_List_Req></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="ms2ssn_ship_list_123123" SSNRefId="1562526" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-10-02T13:00:28Z" From="SafeSeaNet" To="GRPIR01"/></SSN_Receipt></pre>
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN2MS_Ship_List_Res xmlns="urn:eu.emsa.ssn"><Header MSRefId="ms2ssn_ship_list_123123" SSNRefId="123123" StatusCode="OK" StatusMessage="The message processed successfully" Version="3.0" SentAt="2014-10-02T13:00:29Z" From="SafeSeaNet" To="GRPIR01"/><Body><SearchCriteria MRSIdentification="ADRIREP" StartDateTime="2014-09-10T06:27:24+03:00" EndDateTime="2014-09-11T06:27:24+03:00"/><QueryResults><NotificationList><NotificationInformation><NotificationID MSRefId="ms2ssn_ship_not_V300000000007" SentAt="2014-08-18T06:27:24Z" From="GRPIR01"/><MRSVesselIdentification CallSign="3f8e8" ShipName="EVER DELUXE" IMONumber="9037044" MMSINumber="351898000"/><MRSInformation MRSIdentification="ADRIREP" CSTIdentification="IT_TriesteMRSC"/><MRSVoyageInformation AnyDG="Y" TotalPersonsOnBoard="13" NextPortOfCall="BEATH" ETA="2013-04-12T06:27:24Z"/><MRSShipPosition ReportingDateAndTime="2014-09-10T12:42:24+03:00" Longitude="-39432000" Latitude="20135500"/></NotificationInformation><NotificationInformation><NotificationID MSRefId="ms2ssn_ship_not_mrsV300000000107" SentAt="2014-08-18T06:27:24Z" From="GRPIR01"/><MRSVesselIdentification CallSign="3f8e8" ShipName="EVER DELUXE" IMONumber="9134256" MMSINumber="351898000"/><MRSInformation MRSIdentification="ADRIREP" CSTIdentification="IT_TriesteMRSC"/><MRSVoyageInformation AnyDG="Y" TotalPersonsOnBoard="13" NextPortOfCall="BEATH" ETA="2013-04-12T06:27:24Z"/><MRSShipPosition ReportingDateAndTime="2014-09-10T12:42:24+03:00" Longitude="-39432000" Latitude="20135500"/></NotificationInformation><NotificationInformation><NotificationID MSRefId="1548248" SentAt="2014-09-10T11:06:04Z" From="SSNADMIN"/><MRSVesselIdentification CallSign="SVFF" ShipName="AMAZON EXPLORER" IMONumber="9231511" MMSINumber="239933000"/><MRSInformation MRSIdentification="ADRIREP"/><MRSVoyageInformation AnyDG="N" TotalPersonsOnBoard="54" NextPortOfCall="GR756" ETA="2014-09-10T11:04:54Z"/><MRSShipPosition ReportingDateAndTime="2014-09-10T11:04:54+03:00" Longitude="19224166" Latitude="10820333"/></NotificationInformation><NotificationInformation><NotificationID MSRefId="ms2ssn_ship_not_mrsV300000000108" SentAt="2014-08-18T06:27:24Z" From="GRPIR01"/><MRSVesselIdentification CallSign="3f8e8" ShipName="EVER DELUXE" IMONumber="9134256" MMSINumber="351898000"/><MRSInformation MRSIdentification="ADRIREP" CSTIdentification="IT_TriesteMRSC"/><MRSVoyageInformation AnyDG="Y" TotalPersonsOnBoard="13" NextPortOfCall="BEATH" ETA="2013-04-12T06:27:24Z"/><MRSShipPosition ReportingDateAndTime="2014-09-10T12:42:24+03:00" Longitude="-39432000" Latitude="20135500"/></NotificationInformation><NotificationInformation><NotificationID MSRefId="ms2ssn_ship_not_V300000000003" SentAt="2014-08-18T06:27:24Z" From="GRPIR01"/><MRSVesselIdentification CallSign="3f8e8" ShipName="EVER DELUXE"</pre>

	<p>IMONumber="9134256" MMSINumber="351898000"/><MRSInformation MRSIdentification="ADRIREP" CSTIdentification="IT_TriesteMRSC"/><MRSVoyageInformation AnyDG="Y" TotalPersonsOnBoard="13" NextPortOfCall="BEATH" ETA="2013-04- 12T06:27:24Z"/><MRSShipPosition ReportingDateAndTime="2014-09-10T12:42:24+03:00" Longitude="-39432000" Latitude="20135500"/></NotificationInformation><NotificationInformation><NotificationID MSRefId="ms2ssn_ship_not_V30000000002" SentAt="2014-08-18T06:27:24Z" From="GRPIR01"/><MRSVesselIdentification CallSign="3f8e8" ShipName="EVER DELUXE" IMONumber="9134256" MMSINumber="351898000"/><MRSInformation MRSIdentification="ADRIREP" CSTIdentification="IT_TriesteMRSC"/><MRSVoyageInformation AnyDG="Y" TotalPersonsOnBoard="13" NextPortOfCall="BEATH" ETA="2013-04- 12T06:27:24Z"/><MRSShipPosition ReportingDateAndTime="2014-09-10T12:42:24+03:00" Longitude="-39432000" Latitude="20135500"/></NotificationInformation><NotificationInformation><NotificationID MSRefId="ms2ssn_ship_not_mrsV30000000106" SentAt="2014-08-18T06:27:24Z" From="GRPIR01"/><MRSVesselIdentification CallSign="3f8e8" ShipName="EVER DELUXE" IMONumber="9134256" MMSINumber="351898000"/><MRSInformation MRSIdentification="ADRIREP" CSTIdentification="IT_TriesteMRSC"/><MRSVoyageInformation AnyDG="Y" TotalPersonsOnBoard="13" NextPortOfCall="BEATH" ETA="2013-04- 12T06:27:24Z"/><MRSShipPosition ReportingDateAndTime="2014-09-10T12:42:24+03:00" Longitude="-39432000" Latitude="20135500"/></NotificationInformation><NotificationInformation><NotificationID MSRefId="1548243" SentAt="2014-09-10T11:02:24Z" From="SSNADMIN"/><MRSVesselIdentification CallSign="SVFF" ShipName="AMAZON EXPLORER" IMONumber="9231511" MMSINumber="239933000"/><MRSInformation MRSIdentification="ADRIREP"/><MRSVoyageInformation AnyDG="N" TotalPersonsOnBoard="54" NextPortOfCall="GR756" ETA="2014-09- 10T11:01:19Z"/><MRSShipPosition ReportingDateAndTime="2014-09-10T11:01:19+03:00" Longitude="39432000" Latitude="20504479"/></NotificationInformation><NotificationInformation><NotificationID MSRefId="ms2ssn_ship_not_V30000000001" SentAt="2014-08-18T06:27:24Z" From="GRPIR01"/><MRSVesselIdentification CallSign="3f8e8" ShipName="EVER DELUXE" IMONumber="9134256" MMSINumber="351898000"/><MRSInformation MRSIdentification="ADRIREP" CSTIdentification="IT_TriesteMRSC"/><MRSVoyageInformation AnyDG="Y" TotalPersonsOnBoard="13" NextPortOfCall="BEATH" ETA="2013-04- 12T06:27:24Z"/><MRSShipPosition ReportingDateAndTime="2014-09-10T12:42:24+03:00" Longitude="-39432000" Latitude="20135500"/></NotificationInformation><NotificationInformation><NotificationID MSRefId="ms2ssn_ship_not_mrsV30000000105" SentAt="2014-08-18T06:27:24Z" From="GRPIR01"/><MRSVesselIdentification CallSign="3f8e8" ShipName="EVER DELUXE" IMONumber="9134256" MMSINumber="351898000"/><MRSInformation MRSIdentification="ADRIREP" CSTIdentification="IT_TriesteMRSC"/><MRSVoyageInformation AnyDG="Y" TotalPersonsOnBoard="13" NextPortOfCall="BEATH" ETA="2013-04- 12T06:27:24Z"/><MRSShipPosition ReportingDateAndTime="2014-09-10T12:42:24+03:00" Longitude="-39432000" Latitude="20135500"/></NotificationInformation><NotificationInformation><NotificationID MSRefId="ms2ssn_ship_not_V30000000006" SentAt="2014-08-18T06:27:24Z" From="GRPIR01"/><MRSVesselIdentification CallSign="3f8e8" ShipName="EVER DELUXE" IMONumber="9037044" MMSINumber="351898000"/><MRSInformation MRSIdentification="ADRIREP" CSTIdentification="IT_TriesteMRSC"/><MRSVoyageInformation AnyDG="Y" TotalPersonsOnBoard="13" NextPortOfCall="BEATH" ETA="2013-04- 12T06:27:24Z"/><MRSShipPosition ReportingDateAndTime="2014-09-10T12:42:24+03:00" Longitude="-39432000" Latitude="20135500"/></NotificationInformation></NotificationList></QueryResults></Body> </SSN2MS_Ship_List_Res></p>
S0337-01	<p>Precondition: A MS2SSN_Ship_Not for MRSIdentification=" OUESSREP " was NOT previously sent. A request from the requestor is accepted but the data not exists</p> <p>Input: The data provider is sending an MS2SSN_Ship_List_Req for a list of vessels with MRSIdentification="OUESSREP</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK" The data provider receives asynchronously an SSN2MS_Ship_List_Res from SSN with StatusCode="NotFound"</p>

MS2SSN request	<pre><MS2SSN_Ship_List_Req xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:eu.emsa.ssn ../../main/xsd/ssn.xsd "> <Header Version="3.0" MSRefId="ms2ssn_ship_list_0000000992" SentAt="2014-08-27T06:27:24" From="GRPIR01" TimeoutValue="60" To="SafeSeaNet" /> <Body> <SearchCriteria MRSIdentification="OUESSREP" StartDateTime="2014-07-27T06:27:24+03:00" EndDateTime="2014-08-30T06:27:24+03:00" /> </Body> </MS2SSN_Ship_List_Req></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes" ?> <SSN_Receipt> <Header MSRefId="ms2ssn_ship_list_0000000992" SSNRefId="1564352" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2014-10-08T13:56:46Z" From="SafeSeaNet" To="GRPIR01" /> </SSN_Receipt></pre>
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN2MS_Ship_List_Res xmlns="urn:eu.emsa.ssn"><Header MSRefId=" ms2ssn_ship_list_0000000992" SSNRefId="1554306" StatusCode="NotFound" StatusMessage="The notification details requested in the corresponding XML request message does not exist" Version="3.0" SentAt="2014-09-17T14:53:15Z" From="SafeSeaNet" To="GRPIR01"/><Body><SearchCriteria MRSIdentification="OUESSREP" StartDateTime="2014-07-27T06:27:24+03:00" EndDateTime="2014-08-30T06:27:24+03:00"/></Body></SSN2MS_Ship_List_Res></pre>
S0338-01	<p>Precondition: The Party sending the request is not allowed to send notification. A request from the requestor is not accepted although the data exists</p> <p>Input: The data provider is sending an MS2SSN_Ship_List_Req for a vessel with MRSIdentification="OUESSREP"</p> <p>Output: The data provider receives synchronously from SSN an SSN_Receipt with StatusCode="OK" The data provider receives asynchronously an SSN2MS_Ship_Res from SSN with StatusCode="AccessDenied" along with the details (XML) of the notification</p>
MS2SSN request	<pre><MS2SSN_Ship_List_Req xmlns="urn:eu.emsa.ssn" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="urn:eu.emsa.ssn ../../main/xsd/ssn.xsd "> <Header Version="3.0" MSRefId="ms2ssn_ship_list_123123t" SentAt="2015-01-21T15:59:27Z" From="NSWXYZ01" TimeoutValue="60" To="SafeSeaNet" /> <Body> <SearchCriteria MRSIdentification="OUESSREP" /> </Body> </MS2SSN_Ship_List_Req></pre>
SSN_Receipt	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?><SSN_Receipt xmlns="urn:eu.emsa.ssn"><Header MSRefId="ms2ssn_ship_list_123123t" SSNRefId="1562788" StatusCode="OK" StatusMessage="The message processed successfully." Version="3.0" SentAt="2015-01-21T15:59:28Z" From="SafeSeaNet" To="NSWXYZ01"/></SSN_Receipt></pre>
SSN2MS Response	<pre><?xml version="1.0" encoding="UTF-8" standalone="yes"?> <SSN2MS_Ship_Res xmlns="urn:eu.emsa.ssn"><Header MSRefId="ms2ssn_ship_list_123123t" SSNRefId="1590236" StatusCode="AccessDenied" StatusMessage="Sender: NSWXYZ01 tried to sent a MS2SSN_Ship_Req for which he doesnt have permission." Version="3.0" SentAt="2015-01-21T15:59:29Z" From="SafeSeaNet" To="NCAXYZ1"/><Body><SearchCriteria MRSIdentification="OUESSREP" /></Body></SSN2MS_Ship_Res></pre>

5.5. RECEPTION OF DISTRIBUTED INCIDENT REPORT NOTIFICATION OR FEEDBACK

Use Case Description The data receiver receives the distributed incident report from SSN. The process involves the following key elements:

- The MS application receives a distributed IR from SSN via XML/SOAP and/or email.
- The MS sends back a receipt to SSN

For the execution of the tests, a simulator of a NCA application (data provider) will be used for sending incident reports or feedback. The simulator is installed at the Central SSN system test site and will provide the messages to be forwarded to the recipients via the Central SSN system.

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

- For users receiving messages via XML/SOAP, the permission INCIDENT_REP_RECIPIENT shall be quoted, together with those for the types of IRs that the users are allowed by the NCA to receive.
- Figure 7 shows an example where the NCA allows a user to receive only SITREPs and POLREPs. In all cases, the permission INCIDENT_REP_RECIPIENT shall be flagged.

Task Code ▲	Task Description ▲	<input type="checkbox"/>	Location Restriction
ALERT_BANNED_REQUESTOR (OPTIONS_MS)	Request for Banned Ship Alert Notifications	<input type="checkbox"/>	Area ▼
ALERT_FAILED_REQUESTOR (OPTIONS_MS)	Request for Failed Notification Alert Notifications	<input type="checkbox"/>	Area ▼
ALERT_INSURANCE_REQUESTOR (OPTIONS_MS)	Request for Insurance Failure Alert Notifications	<input type="checkbox"/>	Area ▼
ALERT_LFC_REQUESTOR (OPTIONS_MS)	Request for Lost And Found Alert Notifications	<input type="checkbox"/>	Area ▼
ALERT_OTHERS_REQUESTOR (OPTIONS_MS)	Request for Others Alert Notifications	<input type="checkbox"/>	Area ▼
ALERT_PILOT_REQUESTOR (OPTIONS_MS)	Request for Pilot or Port Report Alert Notifications	<input type="checkbox"/>	Area ▼
ALERT_POLREP_REQUESTOR (OPTIONS_MS)	Request for POLREP Alert Notifications	<input checked="" type="checkbox"/>	Area ▼
ALERT_SITREP_REQUESTOR (OPTIONS_MS)	Request for SITREP Alert Notifications	<input checked="" type="checkbox"/>	Area ▼
ALERT_VTS_REQUESTOR (OPTIONS_MS)	Request for VTS Rules Infringement Alert Notifications	<input type="checkbox"/>	Area ▼
ALERT_WASTE_REQUESTOR (OPTIONS_MS)	Request for Waste Alert Notifications	<input type="checkbox"/>	Area ▼
Task Code ▲	Task Description ▲	<input type="checkbox"/>	Location Restriction
INCIDENT_REP_RECIPIENT (OPTION_INCID)	Incident reports recipient	<input checked="" type="checkbox"/>	

Figure 7 – Configuration of an XML/SOAP user (e.g. receiver of POLREPs and SITREPs)

The NCA shall define the Message-based mechanism by filling in the information shown in Figure 8:

Figure 8 – SOAP/XML mechanism setup

- For users receiving messages via email, the permission INCIDENT_REP_RECIPIENT_EMAIL shall be quoted together with those for the types of IRs that the users are allowed by the NCA to receive.
- Figure 9 shows an example where the NCA allows a user to receive only SITREP and POLREP IRs. In all cases, the permission INCIDENT_REP_RECIPIENT_EMAIL shall be flagged.

Task Code ▲	Task Description ▲	<input type="checkbox"/>	Location Restriction
ALERT_BANNED_REQUESTOR (OPTIONS_MS)	Request for Banned Ship Alert Notifications	<input type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_FAILED_REQUESTOR (OPTIONS_MS)	Request for Failed Notification Alert Notifications	<input type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_INSURANCE_REQUESTOR (OPTIONS_MS)	Request for Insurance Failure Alert Notifications	<input type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_LFC_REQUESTOR (OPTIONS_MS)	Request for Lost And Found Alert Notifications	<input type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_OTHERS_REQUESTOR (OPTIONS_MS)	Request for Others Alert Notifications	<input type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_PILOT_REQUESTOR (OPTIONS_MS)	Request for Pilot or Port Report Alert Notifications	<input type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_POLREP_REQUESTOR (OPTIONS_MS)	Request for POLREP Alert Notifications	<input checked="" type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_SITREP_REQUESTOR (OPTIONS_MS)	Request for SITREP Alert Notifications	<input checked="" type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_VTS_REQUESTOR (OPTIONS_MS)	Request for VTS Rules Infringement Alert Notifications	<input type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_WASTE_REQUESTOR (OPTIONS_MS)	Request for Waste Alert Notifications	<input type="checkbox"/>	Area <input type="text"/> <input type="text"/>
Task Code ▲ Task Description ▲ <input type="checkbox"/> Location Restriction			
INCIDENT_REP_RECIPIENT_EMAIL (OPTIONS_INCID)	Incident reports recipient via Email	<input checked="" type="checkbox"/>	

Figure 9 - Configuration of an email user (e.g. receiver of POLREPs and SITREPs)

The NCA shall define the email address by filling in the information shown in Figure 10:

Figure 10 – Email setup

Should both "INCIDENT_REP_RECIPIENT" and "INCIDENT_REP_RECIPIENT_EMAIL" be associated to an individual user, the user will only receive the incident report via XML/SOAP.

System involved

The following diagram depicts the systems involved in the commissioning tests and the message flows for this use case⁷.

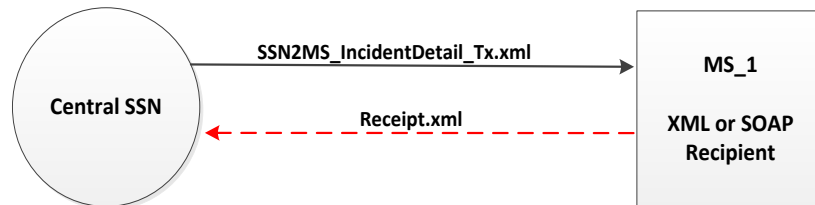


Figure 11 – Systems involved in the commissioning tests (UC-IR-2)

Test cases

The test case is detailed in the following test scenarios:

Test Case Id	Description
TC - 3801	Message-based mechanism receiving notification/feedback - Normal flow Successful

Test scenarios

The test case is detailed in the following test scenarios:

TC – 3801 Scenarios XML or SOAP interface receiving notification - Normal flow Successful		
Mandatory for MS	TestId	Description
X	S3801-01	XML/SOAP interface receiving IR notification/feedback "WASTE" (distributed) - Normal flow Successful
X	S3801-02	XML/SOAP interface receiving IR notification/feedback "SITREP" (distributed) - Normal flow Successful
X	S3801-03	XML/SOAP interface receiving IR notification/feedback "POLREP" (distributed) - Normal flow Successful
X	S3801-04	XML/SOAP interface receiving IR notification/feedback "LOST&FOUND" (distributed) - Normal flow Successful
X	S3801-05	XML/SOAP interface receiving IR notification/feedback "FAILED_NOTIFICATION" (distributed) - Normal flow Successful
X	S3801-06	XML/SOAP interface receiving IR notification/feedback "VTS_RULES_INFRINGEMENT" (distributed) - Normal flow Successful
X	S3801-07	XML/SOAP interface receiving IR notification/feedback "BANNED_SHIP" (distributed) - Normal flow Successful
X	S3801-08	XML/SOAP interface receiving IR notification/feedback "INSURANCE_FAILURE" (distributed) - Normal flow Successful
X	S3801-09	XML/SOAP interface receiving IR notification/feedback "PILOT_PORT_REPORT" (distributed) - Normal flow Successful
X	S3801-10	XML/SOAP interface receiving IR notification/feedback "OTHER" (distributed) - Normal flow Successful
X	S3801-11	XML/SOAP interface receiving new IR notification e.g. "SITREP" quoting CargoManifest element (distributed) - Normal flow Successful – Recipient via XML/SOAP to receive in <i>CargoManifest>Details</i> attribute the sentence "Cargo manifest available upon request to central SSN"

⁷ MS_1 is the recipient of distributed IR via XML or SOAP

Scenario details

The expected workflow for the test scenarios is herein described:

TC – 3801 Scenarios			
XML or SOAP interface receiving notification - Normal flow Successful			
TestId	Description		
S3801-01	Message-based mechanism receiving IR notification/feedback "WASTE" (distributed) - Normal flow Successful		
S3801-02	Message-based mechanism receiving IR notification/feedback "SITREP" (distributed) - Normal flow Successful		
S3801-03	Message-based mechanism receiving IR notification/feedback "POLREP" (distributed) - Normal flow Successful		
S3801-04	Message-based mechanism receiving IR notification/feedback "LOST&FOUND" (distributed) - Normal flow Successful		
S3801-05	Message-based mechanism receiving IR notification/feedback "FAILED_NOTIFICATION" (distributed) - Normal flow Successful		
S3801-06	Message-based mechanism receiving IR notification/feedback "VTS_RULES_INFRINGEMENT" (distributed) - Normal flow Successful		
S3801-07	Message-based mechanism receiving IR notification/feedback "BANNED_SHIP" (distributed) - Normal flow Successful		
S3801-08	Message-based mechanism receiving IR notification/feedback "INSURANCE_FAILURE" (distributed) - Normal flow Successful		
S3801-09	Message-based mechanism receiving IR notification/feedback "PILOT_PORT_REPORT" (distributed) - Normal flow Successful		
S3801-10	Message-based mechanism receiving IR notification/feedback "OTHER" (distributed) - Normal flow Successful		
Step	Action/ input	Result/output	Notes
1	SSN sends to NCA App XML message.	Recipient NCA App receives XML message	
2	Recipient NCA App interprets XML message and sends RECEIPT message with status code=OK		
Test Data			
SSN2MS_IncidentDetail_Tx	<pre><SSN2MS_IncidentDetail_Tx xmlns="urn:eu.emsa.ssn"> <Header SSNRefId="SLOPES_20131029140944" Version="3.0" SentAt="2013-10-29T14:10:10Z" From="SafeSeaNet" To="FRDKKPOR"/> <Body> <DistributedDetails> <Incident> <IncidentIdentification Type="SITREP" IncidentID="SE20131029140944"/> <IncidentNotificationStatus UpdateStatus="N"/> <IRDistributionDetails IRDistributionToFlagState="Y"> <IRRecipient RecipientCountry="FR"/> <IRRecipient RecipientCountry="NL"/> </IRDistributionDetails> <IRVesselIdentificationList> <IRVesselIdentification> <IRVessel_IdentityVerified Flag="DK" CallSign="OWGM2" ShipName="LEONORA CHRISTINA" IMONumber="9557848" MMSINumber="219282000"/> <CargoManifest Details="Cargo manifest available upon request to central SSN system"/> <ShipPositionAtTimeOfIncident> <GeoCoordinates Longitude="12" Latitude="12"/> </ShipPositionAtTimeOfIncident> </IRVesselIdentification> </IRVesselIdentificationList> <AuthorityReportingIncident> <SSNUserIdentifier SSNUserID="NCASESMA1"/> </AuthorityReportingIncident> <IncidentDetails> <SITREPIncidentInformation> <SITREPIInformation> <C_Situation J_InitialActionTaken="None" MessageType="Distress" NotifiedAt="2013-10-29T14:09:44Z" Nature="Collision"/> </SITREPIInformation> </SITREPIncidentInformation> </IncidentDetails> </Incident> </DistributedDetails> </Body> </SSN2MS_IncidentDetail_Tx></pre>		

	<pre> </SITREPIncidentInformation> </IncidentDetails> </Incident> </DistributedDetails> </Body> </SSN2MS_IncidentDetail_Tx> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:SSN_Receipt xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header StatusMessage="The message processed successfully." StatusCode="OK" MSRefId="FRMsId" SSNRefId="SLOPES_20131029140944" Version="3.0" To="SafeSeaNet" SentAt="2013-10-29T14:10:15Z"From="FRUserID"/> </ssn:SSN_Receipt> </pre>
SSN_Receipt	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:SSN_Receipt xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header StatusMessage="The message processed successfully." StatusCode="OK" MSRefId="NLMsId" Version="3.0" To="SafeSeaNet" SentAt="2013-10-29T14:10:16Z"From="NLUserID"/> </ssn:SSN_Receipt> </pre>

TC – 3801 Scenarios			
XML or SOAP interface receiving notification - Normal flow Successful			
TestId	Description		
S3801-11	Message-based mechanism receiving new IR notification e.g. "SITREP" quoting CargoManifest element (distributed) - Normal flow Successful – Recipient via XML or SOAP to receive in <i>CargoManifest</i> > <i>Details</i> attribute the sentence "Cargo manifest available upon request to central SSN"		
Step	Action/ input	Result/output	Notes
1	SSN sends to NCA App XML message.	Recipient NCA App receives XML message	The sender NCA provides CargoManifest element
2	Recipient NCA App interprets XML message and sends RECEIPT message with status code=OK	The XML message quotes the sentence "Cargo manifest available on request" under CargoManifest>Details attribute	

5.6. REQUEST OF INCIDENT REPORT NOTIFICATIONS OR FEEDBACK

Use Case Description The data requestor can retrieve the details of an incident notification by running specific queries. Backward compatibility is enforced, and thus, SSN can retrieve the information provided both via the new and previous IR protocols.

For the execution of the UC-IR-3, EMSA will provide the references to the messages to be requested via the relevant queries.

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

- For users receiving messages via XML/SOAP, the permission INCIDENT_REP_RECIPIENT shall be quoted, together with those for the types of IRs that the users are allowed by the NCA to receive.
- Figure 12 shows an example where the NCA allows a user to receive only SITREPs and POLREPs. In all cases, the permission INCIDENT_REP_RECIPIENT shall be flagged.

Task Code ▲	Task Description ▲	<input type="checkbox"/>	Location Restriction
ALERT_BANNED_REQUESTOR (OPTIONS_MS)	Request for Banned Ship Alert Notifications	<input type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_FAILED_REQUESTOR (OPTIONS_MS)	Request for Failed Notification Alert Notifications	<input type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_INSURANCE_REQUESTOR (OPTIONS_MS)	Request for Insurance Failure Alert Notifications	<input type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_LFC_REQUESTOR (OPTIONS_MS)	Request for Lost And Found Alert Notifications	<input type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_OTHERS_REQUESTOR (OPTIONS_MS)	Request for Others Alert Notifications	<input type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_PILOT_REQUESTOR (OPTIONS_MS)	Request for Pilot or Port Report Alert Notifications	<input type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_POLREP_REQUESTOR (OPTIONS_MS)	Request for POLREP Alert Notifications	<input checked="" type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_SITREP_REQUESTOR (OPTIONS_MS)	Request for SITREP Alert Notifications	<input checked="" type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_VTS_REQUESTOR (OPTIONS_MS)	Request for VTS Rules Infringement Alert Notifications	<input type="checkbox"/>	Area <input type="text"/> <input type="text"/>
ALERT_WASTE_REQUESTOR (OPTIONS_MS)	Request for Waste Alert Notifications	<input type="checkbox"/>	Area <input type="text"/> <input type="text"/>
Task Code ▲	Task Description ▲	<input type="checkbox"/>	Location Restriction
INCIDENT_REP_RECIPIENT (OPTION_INCID)	Incident reports recipient	<input checked="" type="checkbox"/>	

Figure 12 – Configuration of an XML/SOAP user (e.g. receiver of POLREPs and SITREPs)

The NCA shall define the Message-based mechanism by filling in the information shown in Figure 13:

Protocol Type	Provider Url	Requestor Url	Certificate Name	Delete
XML				

Add

Figure 13 – SOAP/XML mechanism setup

Use cases list

For the purpose of commissioning tests for the new IR data exchange mechanism, the use cases identified in the table below should be used.

Ref	Description	Systems utilised for the commissioning tests	Notes
UC-IR-3	IR request/response using XML or SOAP interface	<ul style="list-style-type: none"> MS application acting as data requestor and response recipient Central SSN central system 	The central SSN system will provide the relevant IR information to the data requestor, depending on the selected criteria. For the execution of such UC, EMSA will provide the MS doing the tests with the references to the messages to be requested via the relevant queries (e.g. IMO number, IncidentID etc).

Systems involved

The following diagram depicts the systems involved in the commissioning tests and the message flows for this use case⁸.

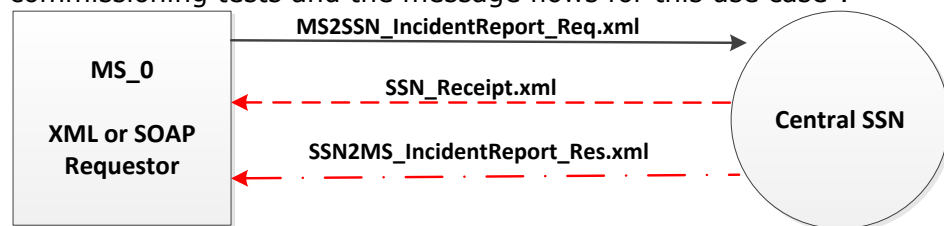


Figure 14 – Systems involved in the commissioning tests (UC-IR-3)

Test cases

The following test cases shall be executed during the commissioning tests:

Test Case Id	Description
TC-3901	Requesting Incident Detail Notification – XML interface – normal flow
TC-3902	Requesting Incident Detail Notification – backward compatibility

The above test cases are detailed in the following test scenarios:

Test Scenarios

The available test cases are further extended into separate test scenarios with different input in order to trigger the validation of additional business processes extending the “normal” flow of events.

TC – 3901 Scenarios Requesting Incident Detail Notification – XML or SOAP interface – normal flow		
Mandatory for MS	TestId	Description
--	S3901-01	XML/SOAP Interface Requesting Incident Detail Notification – Query type = “AllIRsOfSelectedShip” notification found
--	S3901-02	XML/SOAP Interface Requesting Incident Detail Notification – Query type = “SpecificTypesIRsOfSelectedShip” notification found
--	S3901-03	XML/SOAP Interface Requesting Incident Detail Notification – Query type = “IRsForSpecificPort” notification found
--	S3901-04	XML/SOAP Interface Requesting Incident Detail Notification – Query type = “GetSpecificIR” notification found
--	S3901-05	XML/SOAP Interface Requesting Incident Detail Notification – no notification found

⁸ MS_0 is the IR requestor using XML or SOAP interface

--	S3901-06	XML/SOAP Interface Requesting Incident Detail Notification – invalid XML format
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TC – 3902 Scenarios Requesting Incident Detail Notification – backward compatibility		
Mandatory for MS	TestId	Description
--	S3902-01	XML/SOAP Interface Requesting Incident Detail Notification – backward compatibility, requesting new "SITREP" and old "LostFoundContainers" information
--	S3902-02	XML/SOAP Interface Requesting Incident Detail Notification – backward compatibility, requesting new "POLREP" and old "Others" information
--	S3902-03	XML/SOAP Interface Requesting Incident Detail Notification – backward compatibility, requesting new "LOST_FOUND_OBJECT" and old "POLREP" information
--	S3902-04	XML/SOAP Interface Requesting Incident Detail Notification – backward compatibility, requesting new "WASTE" and old "SITREP" information
--	S3902-05	XML/SOAP Interface Requesting Incident Detail Notification – backward compatibility, requesting new "VTS_INFRINGEMENT" and old "Waste" information

Scenario details

The detailed description of each scenario consists of:

- Step number
- The action required from the requesting application
- The expected result from the SSN
- Checkpoints

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

To test the invalid XML message flow, you must provide an XML message containing invalid data to trigger an invalid response.

To confirm the non-existence of the voyage you may consult the Web Interface.

For each test scenario the XML messages in and out are described in details in the XML Reference Guide document:

- Request Voyage details: MS2SSN_IR_Req
- Response to a Request for voyage details: SSN2MS_IR_Res

TC – 3901 Scenarios			
Requesting Incident Detail Notification – XML or SOAP interface – normal flow			
TestId	Description		
S3901-01	XML/SOAP Interface Requesting Incident Detail Notification – Query type = "AllIRsOfSelectedShip" notification found (a)		
S3901-02	XML/SOAP Interface Requesting Incident Detail Notification – Query type = "SpecificTypesIRsOfSelectedShip" notification found (a)		
S3901-03	XML/SOAP Interface Requesting Incident Detail Notification – Query type = "IRsForSpecificPort" notification found (a)		
S3901-04	XML/SOAP Interface Requesting Incident Detail Notification – Query type = "GetSpecificIR" notification found (a)		
S3901-05	XML/SOAP Interface Requesting Incident Detail Notification – no notification found (b)		
S3901-06	XML/SOAP Interface Requesting Incident Detail Notification – invalid XML format (c)		
Step	Action/ input	Result/output	Notes
1	NCA App sends out XML message to SSN	Message is sent out	Possible query types are: - AllIRsOfSelectedShip - SpecificTypesIRsOfSelectedShip - IRsForSpecificPort - GetSpecificIR
2 (a)	SSN sends back RECEIPT message with status code OK	Sender NCA App receives XML message with status code=OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN retrieves the relevant IR(s).
2 (b)	SSN sends back RECEIPT message with status code OK	Sender NCA App receives XML message with status code=OK	SSN receives XML message and logs it. SSN validates the format of XML message. SSN processes the contents of the XML message. SSN does not retrieve the relevant IR(s).
2 (c)	SSN validates message		SSN receives XML message and logs it. SSN validates the format of XML message - INVALID
3 (a)	SSN prepares and sends the XML response message to the requestor	Sender NCA App receives XML message	XML message is validated against XML schema / well-formed + valid.
3 (b)	SSN sends back XML message with status code=NotFound		
3 (c)	SSN sends back XML message with status code=InvalidFormat		
4	NCA App interprets XML message		
Sample XML messages			
S3901-01 - XML/SOAP Interface Requesting Incident Detail Notification – Query type = "AllIRsOfSelectedShip" notification found			
MS2SSN_IncidentReport_Req	<pre><?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_IncidentReport_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="testuserid" MSRefId="MS2SSN_IR_Req_01" SentAt="2012-10-31T12:00:00" TimeoutValue="60" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:IRQueryCriteria> <ssn:TypeOfQuery GetIRInformation="AllIRsOfSelectedShip"/> <ssn:ShipIdentificationCriteria CallSign="HMD00" IMONumber="7350002" IRNumber_FishingVessel="ABC012345678" MMSINumber="445889000" ShipName="HAMMOUDI J"/> <ssn:TimePeriodCriteria EndDateTime="2012-08-29T12:00:00" StartDateTime="2012-08-31T23:00:00"/> </ssn:IRQueryCriteria> </ssn:Body> </ssn:MS2SSN_IncidentReport_Req></pre>		
SSN2MS_IncidentReport_Res	<pre><?xml version="1.0" encoding="UTF-8"?> <ssn:SSN2MS_IncidentReport_Res xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="SafeSeaNet" MSRefId="MS2SSN_Inc_Report_Req_01"</pre>		

	<pre> SSNRefId="SSN2MS_IR_Res_01" SentAt="2012-10-31T12:00:01" StatusCode="OK" StatusMessage="The message processed successfully." To="testuserid" Version="3.0"/> <ssn:Body> <ssn:IRQueryCriteria> <ssn:TypeOfQuery GetIRInformation="AllIRsOfSelectedShip"/> <ssn:ShipIdentificationCriteria CallSign="HMD00" IMONumber="7350002" IRNumber_FishingVessel="ABC012345678" MMSINumber="445889000" ShipName="HAMMOUDI J"/> <ssn:TimePeriodCriteria EndDateTime="2012-08-29T12:00:00" StartDateTime="2012-08-31T23:00:00"/> </ssn:IRQueryCriteria> <ssn:ProvidedIncidentdetails> <ssn:Incidents> <ssn:IncidentIdentification IncidentID="IncId01" Type="Others"/> <ssn:IRDistributionDetails IRDistributionToFlagState="GR"/> <ssn:IRVesselIdentificationList> <ssn:IRVesselIdentification> <ssn:IRVessel_IdentityVerified CallSign="HMD00" IMONumber="7350002" IRNumber_FishingVessel="ABC012345678" MMSINumber="445889000" ShipName="HAMMOUDI J"/> <ssn:IRVoyageInformation PortOfDeparture="GRPIR" PortOfDestination="GRSAL" TotalPersonsOnBoard="12"/> </ssn:IRVesselIdentification> </ssn:IRVesselIdentificationList> <ssn:ContactDetails EMail="Safe- Sea-Net@emsa.europa.eu" Fax="+351211209217" FirstName="SafeSeaNet" LastName="EMSA" LoCode="GRPIR" Phone="+351211209415"/> </ssn:ContactDetails> <ssn:ShipPositionAtTimeIncident> <ssn:Area GeographicalArea="North Aegean"/> </ssn:ShipPositionAtTimeIncident> </ssn:Incidents> </ssn:ProvidedIncidentdetails> </ssn:Body> </ssn:SSN2MS_IncidentReport_Res> </pre>
S3901-02 - Message-based mechanism Requesting Incident Detail Notification – Query type = "SpecificTypesIRsOfSelectedShip" notification found	
MS2SSN_IncidentReport_Req	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_IncidentReport_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="testuserid" MSRefId="MS2SSN_IR_Req_02" SentAt="2012-10-31T12:00:00" TimeoutValue="60" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:IRQueryCriteria> <ssn:TypeOfQuery GetIRInformation="SpecificTypesIRsOfSelectedShip"/> <ssn:IncidentSelectionCriteria> <ssn:IncidentSelectionType Type="Others"/> </ssn:IncidentSelectionCriteria> <ssn:ShipIdentificationCriteria CallSign="HMD00" IMONumber="7350002" IRNumber_FishingVessel="ABC012345678" MMSINumber="445889000" ShipName="HAMMOUDI J"/> <ssn:TimePeriodCriteria EndDateTime="2012-08-29T12:00:00" StartDateTime="2012-08-31T23:00:00"/> </ssn:IRQueryCriteria> </ssn:Body> </ssn:MS2SSN_IncidentReport_Req> </pre>
SSN2MS_IncidentReport_Res	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:SSN2MS_IncidentReport_Res xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="SafeSeaNet" MSRefId="MS2SSN_Inc_Report_Req_02" </pre>

	<pre> SSNRefId="SSN2MS_IR_Res_01" SentAt="2012-10-31T12:00:01" StatusCode="OK" StatusMessage="The message processed successfully." To="testuserid" Version="3.0"/> <ssn:Body> <ssn:IRQueryCriteria> <ssn:TypeOfQuery GetIRInformation="SpecificTypesIRsOfSelectedShip"/> <ssn:IncidentSelectionCriteria> <ssn:IncidentSelectionType Type="Others"/> </ssn:IncidentSelectionCriteria> <ssn:ShipIdentificationCriteria CallSign="HMD00" IMONumber="7350002" IRNumber_FishingVessel="ABC012345678" MMSINumber="445889000" ShipName="HAMMOUDI J"/> <ssn:TimePeriodCriteria EndDateTime="2012-08-29T12:00:00" StartDateTime="2012-08-31T23:00:00"/> </ssn:IRQueryCriteria> <ssn:ProvidedIncidentdetails> <ssn:Incidents> <ssn:IncidentIdentification IncidentID="IncId01" Type="Others"/> <ssn:IRDistributionDetails IRDistributionToFlagState="GR"/> <ssn:IRVesselIdentificationList> <ssn:IRVesselIdentification> <ssn:IRVessel_IdentityVerified CallSign="HMD00" IMONumber="7350002" IRNumber_FishingVessel="ABC012345678" MMSINumber="445889000" ShipName="HAMMOUDI J"/> <ssn:IRVoyageInformation PortOfDeparture="GRPIR" PortOfDestination="GRSAL" TotalPersonsOnBoard="12"/> </ssn:IRVesselIdentification> <ssn:CargoManifest> <ssn:ContactDetails EMail="Safe- Sea-Net@emsa.europa.eu" Fax="+351211209217" FirstName="SafeSeaNet" LastName="EMSA" LoCode="GRPIR" Phone="+351211209415"/> </ssn:CargoManifest> <ssn:ShipPositionAtTimeIncident> <ssn:Area GeographicalArea="North Aegean"/> </ssn:ShipPositionAtTimeIncident> </ssn:IRVesselIdentificationList> <ssn:AuthorityReportingIncident> <ssn:IdentificationOfAuthority AuthorityName="GR POR AUTH" Fax="2101234567" LoCode="GRPIR" Phone="2101234567"/> </ssn:AuthorityReportingIncident> <ssn:IncidentDetails> <ssn:OtherIncidentInformation Description="incidentDescription"/> </ssn:IncidentDetails> </ssn:Incidents> </ssn:ProvidedIncidentdetails> </ssn:Body> </ssn:SSN2MS_IncidentReport_Res> </pre>
S3901-03 - Message-based mechanism Requesting Incident Detail Notification – Query type = “IRsForSpecificPort” notification found	
MS2SSN_IncidentReport_Req	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_IncidentReport_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="testuserid" MSRefId="MS2SSN_IR_Req_03" SentAt="2012-10- 31T12:00:00" TimeoutValue="60" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:IRQueryCriteria> <ssn:TypeOfQuery GetIRInformation="IRsForSpecificPort"/> <ssn:TimePeriodCriteria EndDateTime="2012-08-29T12:00:00" StartDateTime="2012-08-31T23:00:00"/> <ssn:GeographicCriteria PortOfDepartureQuotedInIR="GRPIR" PortOfDestinationQuotedInIR="GRSAL"/> </ssn:IRQueryCriteria> </ssn:Body> </ssn:MS2SSN_IncidentReport_Req> </pre>
SSN2MS_IncidentReport_Res	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:SSN2MS_IncidentReport_Res xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="SafeSeaNet" MSRefId="MS2SSN_Inc_Report_Req_03" </pre>

	<pre> SSNRefId="SSN2MS_IR_Res_01" SentAt="2012-10-31T12:00:01" StatusCode="OK" StatusMessage="The message processed successfully." To="testuserid" Version="3.0"/> <ssn:Body> <ssn:IRQueryCriteria> <ssn:TypeOfQuery GetIRInformation="IRsForSpecificPort"/> <ssn:TimePeriodCriteria EndDateTime="2012-08-29T12:00:00" StartDateTime="2012-08-31T23:00:00"/> <ssn:GeographicCriteria PortOfDepartureQuotedInIR="GRPIR" PortOfDestinationQuotedInIR="GRSAL"/> </ssn:IRQueryCriteria> <ssn:ProvidedIncidentdetails> <ssn:Incidents> <ssn:IncidentIdentification IncidentID="IncId01" Type="Others"/> <ssn:IRDistributionDetails IRDistributionToFlagState="GR"/> <ssn:IRVesselIdentificationList> <ssn:IRVesselIdentification> <ssn:IRVessel_IdentityVerified CallSign="HMDOO" IMONumber="7350002" IRNumber_FishingVessel="ABC012345678" MMSINumber="445889000" ShipName="HAMMOUDI J"/> <ssn:IRVoyageInformation PortOfDeparture="GRPIR" PortOfDestination="GRSAL" TotalPersonsOnBoard="12"/> </ssn:IRVesselIdentification> <ssn:CargoManifest> <ssn:ContactDetails EMail="Safe- Sea-Net@emsa.europa.eu" Fax="+351211209217" FirstName="SafeSeaNet" LastName="EMSA" LoCode="GRPIR" Phone="+351211209415"/> </ssn:CargoManifest> <ssn:ShipPositionAtTimeIncident> <ssn:Area GeographicalArea="North Aegean"/> </ssn:ShipPositionAtTimeIncident> </ssn:IRVesselIdentificationList> <ssn:AuthorityReportingIncident> <ssn:IdentificationOfAuthority AuthorityName="GR POR AUTH" Fax="2101234567" LoCode="GRPIR" Phone="2101234567"/> </ssn:AuthorityReportingIncident> <ssn:IncidentDetails> <ssn:OtherIncidentInformation Description="incidentDescription"/> </ssn:IncidentDetails> </ssn:Incidents> </ssn:ProvidedIncidentdetails> </ssn:Body> </ssn:SSN2MS_IncidentReport_Res> </pre>
S3901-04 - Message-based mechanism Requesting Incident Detail Notification – Query type = “GetSpecificIR” notification found	
MS2SSN_IncidentReport_Req	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_IncidentReport_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="testuserid" MSRefId="MS2SSN_IR_Req_03" SentAt="2012-10- 31T12:00:00" TimeoutValue="60" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:IRQueryCriteria> <ssn:TypeOfQuery GetIRInformation="GetSpecificIR"/> <ssn:IncidentSelectionCriteria IncidentID="IncId01"> <ssn:IncidentSelectionType Type="Others"/> </ssn:IncidentSelectionCriteria> </ssn:IRQueryCriteria> </ssn:Body> </ssn:MS2SSN_IncidentReport_Req> </pre>
SSN2MS_IncidentReport_Res	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:SSN2MS_IncidentReport_Res xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="SafeSeaNet" MSRefId="MS2SSN_Inc_Report_Req_04" SSNRefId="SSN2MS_IR_Res_01" SentAt="2012-10-31T12:00:01" StatusCode="OK" StatusMessage="The message processed successfully." To="testuserid" Version="3.0"/> <ssn:Body> <ssn:IRQueryCriteria> <ssn:TypeOfQuery GetIRInformation="GetSpecificIR"/> <ssn:IncidentSelectionCriteria IncidentID="IncId01"> </pre>

	<pre> <ssn:IncidentSelectionType Type="Others"/> </ssn:IncidentSelectionCriteria> </ssn:IRQueryCriteria> <ssn:ProvidedIncidentdetails> <ssn:Incidents> <ssn:IncidentIdentification IncidentID="IncId01" Type="Others"/> <ssn:IRDistributionDetails IRDistributionToFlagState="GR"/> <ssn:IRVesselIdentificationList> <ssn:IRVesselIdentification> <ssn:IRVessel_IdentityVerified CallSign="HMD00" IMONumber="7350002" IRNumber_FishingVessel="ABC012345678" MMSINumber="445889000" ShipName="HAMMOUDI J"/> <ssn:IRVoyageInformation PortOfDeparture="GRPIR" PortOfDestination="GRSAL" TotalPersonsOnBoard="12"/> <ssn:CargoManifest> <ssn:ContactDetails EMail="Safe- Sea-Net@emsa.europa.eu" Fax="+351211209217" FirstName="SafeSeaNet" LastName="EMSA" LoCode="GRPIR" Phone="+351211209415"/> </ssn:CargoManifest> <ssn:ShipPositionAtTimeIncident> <ssn:Area GeographicalArea="North Aegean"/> </ssn:ShipPositionAtTimeIncident> </ssn:IRVesselIdentification> </ssn:IRVesselIdentificationList> <ssn:AuthorityReportingIncident> <ssn:IdentificationOfAuthority AuthorityName="GR POR AUTH" Fax="2101234567" LoCode="GRPIR" Phone="2101234567"/> </ssn:AuthorityReportingIncident> <ssn:IncidentDetails> <ssn:OtherIncidentInformation Description="incidentDescription"/> </ssn:IncidentDetails> </ssn:Incidents> </ssn:ProvidedIncidentdetails> </ssn:Body> </ssn:SSN2MS_IncidentReport_Res> </pre>
S3901-05 - Message-based mechanism Requesting Incident Detail Notification – no notification found	
MS2SSN_IncidentReport_Req	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_IncidentReport_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="testuserid" MSRefId="MS2SSN_IR_Req_05" SentAt="2012-10- 31T12:00:00" TimeoutValue="60" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:IRQueryCriteria> <ssn:TypeOfQuery GetIRInformation="AllIRsOfSelectedShip"/> <ssn:ShipIdentificationCriteria CallSign="HMD00" IMONumber="7350002" IRNumber_FishingVessel="ABC012345678" MMSINumber="445889000" ShipName="HAMMOUDI J"/> <ssn:TimePeriodCriteria EndDateTime="2012-08-29T12:00:00" StartDateTime="2012-08-31T23:00:00"/> </ssn:IRQueryCriteria> </ssn:Body> </ssn:MS2SSN_IncidentReport_Req> </pre>
SSN2MS_IncidentReport_Res	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:SSN2MS_IncidentReport_Res xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="SafeSeaNet" MSRefId="MS2SSN_Inc_Report_Req_05" SSNRefId="SSN2MS_IR_Res_02" SentAt="2012-10-31T12:00:01" StatusCode=" NotFound " StatusMessage="The message was not found." To="testuserid" Version="3.0"/> <ssn:Body> <ssn:IRQueryCriteria> <ssn:TypeOfQuery GetIRInformation="AllIRsOfSelectedShip"/> <ssn:ShipIdentificationCriteria CallSign="HMD00" IMONumber="7350002" IRNumber_FishingVessel="ABC012345678" MMSINumber="445889000" ShipName="HAMMOUDI J"/> <ssn:TimePeriodCriteria EndDateTime="2012-08-29T12:00:00" StartDateTime="2012-08-31T23:00:00"/> </ssn:IRQueryCriteria> </ssn:Body> </pre>

	</ssn:SSN2MS_IncidentReport_Res>
S3901-06 - Message-based mechanism Requesting Incident Detail Notification – invalid XML message	
MS2SSN_IncidentReport_Req	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:MS2SSN_IncidentReport_Req xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header From="testuserid" MSRefId="MS2SSN_Inc_Report_Req_06" SentAt="2012/09/17.12:00:00" TimeoutValue="60" To="SafeSeaNet" Version="3.0"/> <ssn:Body> <ssn:IRQueryCriteria> <ssn:TypeOfQuery GetIRInformation="GetSpecificIR"/> <ssn:IncidentSelectionCriteria IncidentID="IncId01"/> </ssn:IRQueryCriteria> </ssn:Body> </ssn:MS2SSN_IncidentReport_Req> </pre>
SSN2MS_IncidentReport_Res	<pre> <?xml version="1.0" encoding="UTF-8"?> <ssn:SSN2MS_IncidentReport_Res xmlns:ssn="urn:eu.emsa.ssn"> <ssn:Header StatusCode="InvalidFormat" StatusMessage="cvc-datatype-valid.1.2.1: '2012/09/17.12:00:00' is not a valid value for 'dateTime'.cvc-attribute.3: The value '2012/09/17.12:00:00' of attribute 'SentAt' on element 'idm:Header' is not valid with respect to its type, 'dateTime'." SSNRefId="SSN2MS_Inc_Report_Res_01" MSRefId="MS2SSN_Inc_Report_Req_06" Version="3.0" To="testuserid" SentAt="2012-10- 31T00:00:00" From="SafeSeaNet" /> <ssn:Body> <ssn:IRQueryCriteria> <ssn:TypeOfQuery GetIRInformation="GetSpecificIR"/> <ssn:IncidentSelectionCriteria IncidentID="IncId01"/> </ssn:IRQueryCriteria> </ssn:Body> </ssn:SSN2MS_IncidentReport_Res> </pre>