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TAXATION AND CUSTOMS UNION DG

EMCS COMPUTERISATION PROJECT PHASE 2

SPECIFICATIONS, DEVELOPMENT, MAINTENANCE AND SUPPORT OF EUROPEAN IT SERVICES IN THE AREA OF TAXATION AND EXCISE

SUBJECT:

Test Plan for TAv2.2

(ECP3-FITSDEV2-TAv2-TST)

FRAMEWORK CONTRACT TAXUD/[REMOVED]

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1 Introduction

1.1 *Purpose of this document*

This document describes the test strategy that will be used by FITSDEV2 within the scope of the TA development. It specifies the system test scenarios that will be executed during the Factory Acceptance Test (FAT), in order to evaluate the proper implementation of the required functionality.

1.2 *Field of application*

This document is applicable to activities related to the TA development and maintenance, during the Operation and Extension Phase of the EMCS Computerisation Project (ECP). The ECP falls under the responsibility of the Taxation & Customs Union Directorate [Removed] Central Project Team (CPT).
The intended audience for this document is:

- Members of the TA Development Team;
- Members of the TA Test Team;
- The Taxation and Customs Union DG personnel involved with the TA project;
- Any individual or organisation responsible for the successful deployment of the TA.

1.3 *Structure of this document*

- Section 1 provides an introduction on the document;
- Section 2 provides a list of reference and applicable documents on which the preparation of this document was based;
- Section 3 provides a list of the abbreviations and acronyms that facilitate the understanding of the document;
- Section 4 presents the Testing Approach;
- Section 5 presents the TA Test Scenarios and Test Cases for functional requirements for Phase 3;
- Section 6 presents the TA Test Cases for Non Functional requirements for Phase 3;
- Section 7 presents the TA Test Scenarios and Test Cases for functional requirements for Phase 2;
- Section 8 presents the TA Test Cases for Non Functional requirements for Phase 2;
- Section 9 presents a traceability matrix between Test Cases and Test Procedures for Phase 3.
- Section 10 presents a traceability matrix between Test Cases and Test Procedures for Phase 2.

2 Reference and Applicable Documents

2.1 *Reference Documents*

Ref.	Reference	Title	Release	Date
R1	ECP1-ESS-FESS	Functional Excise System Specifications (FESS)	3.41-EN	
R2	ECP2-EMCSDEV-SC01-SD	The Scope of EMCS for Phase 2	2.11-EN	

Ref.	Reference	Title	Release	Date
R3	ECP1-ESS-TESS	Technical Excise System Specifications	2.03-EN	
R4	ECP2-EMCSDEV-DDNEA	DDNEA for EMCS Phase 2	3.02-EN	
R5	ECP1-ESS-SESS	Security Excise System Specifications	2.00-EN	
R6	ECP1-ESS-ACS	Acceptance and Certification Specification	2.00-EN	
R7	ECP2-FITSDEV2-SC03-CTP	Conformance Test Protocol	1.46-EN	
R8	ECP3-EMCSDEV-SC03-CTP	Conformance Test Protocol	1.31-EN	
R9	ECP2-EMCSDEV-SC02-EBV	EMCS Business Validator	1.03-EN	
R10	ECP2-FITSDEV2-TA-SRD	System Requirements Definition	1.22-EN	
R11	ECP3-FITSDEV2-TA-SRD	System Requirements Definition	1.07-EN	
R12	ECP2-FITSDEV2-SC03-TAv2.2-RLN	Release Note	1.00-EN	
R13	ECP3-FITSDEV2-SC07-ATS-TA	Acceptance Test Specifications for the Testing Application	1.05-EN	

Table 2-1: Reference Documents

2.2 *Applicable Documents*

Ref.	Reference	Title	Release	Date
A01	EMCS Change Management Process	QAC-EMCSChangeMan	1.13	
A02	Framework Quality Plan	FITSDEV2-SC01-FQP	1.01	
A03	Contract Quality Plan	FITSDEV2-SC03-CQP	1.00	

Table 2-2: Applicable documents

3 Terminology

Please refer to the Glossary of Terms.

3.1 *Abbreviations and Acronyms*

A list of the principal abbreviations and acronyms used is nonetheless provided here for a better understanding of this document.

Acronym	Description
TA	Testing Application
AAD	Administrative Accompanying Document
ARC	AAD Reference Code
CCN	Common Communication Network
CD	Common Domain
COA	Confirm On Arrival
COD	Confirm On Delivery
CorrelID	Correlation ID
CPT	Central Project Team

Acronym	Description
CSI	Common Systems Interface
DDNEA	Design Document for National Excise Applications
e-AAD	Electronic Administrative Accompanying Document
ECP	EMCS Computerisation Project
ED	External Domain
EMCS	Excise Movement Control System
EMCS/CO	EMCS Central Operations
FESS	Functional Excise System Specification
FITSDEV2	FITS Specification, development, maintenance and support
FS	Functional Stage
HTTP	Hypertext Transmission Protocol
HTTPS	Secure Hypertext Transfer Protocol
ID	Identification
IE	Information Exchange
LCT	Local Client Testing (CCN/CSI mode)
MOD1	Mode-1
MOD2	Mode-2
MSA	Member State Administration
Msg	Message
MsgID	Message Identification
ND	National Domain
NEA	National Excise Application
PM	Project Manager
RD	Reference Data
RoR	Report of Receipt
SEED	System for Exchange of Excise Data
SQL	Structured Query Language
SR	Security Requirement
TC	Test Case
TESS	Technical Excise System Specification
TMT	Test Monitoring Tool
TP	Test Procedure
TR	Technical Requirement
UI	User Interface
UML	Unified Modelling Language
UR	Usability Requirement
URL	Uniform Resource Location
UTF	UCS Transformation Format
WS	Web Services

Acronym	Description
XML	EXtensible Mark-up Language
XSD	XML Schema Definition

Table 3-1: List of Abbreviations and Acronyms

4 Testing Approach

All Test Cases presented in this Test Plan have been based on the SRD requirements.

4.1 *Test Case Approach*

All Test Cases presented in this Test Plan have been derived from the initial requirements set out in the TA system and application specifications which have been captured in the System Requirements (R10) Definition for TA.

The following guidelines have been applied when defining the Test Cases:

- *One Test Case tests a single requirement* – Each Test Case aims to test a single requirement to ensure a precise and fine-grained testing specification. In some cases, a Test Case may apply to several requirements and this is documented accordingly;

- *Traceability* – All Test Cases can be traced back to the original requirements (through the requirement identifiers indicated in each Test Case) and the source specification document. This allows controlling the impact on the TST of any changes to the underlying TA specifications.

4.2 *Item Pass/Fail Criteria*

At least one specific defect must be attached to a Test Case for this to be considered as failed. The failed Test Case along with the defect description is logged in TMT with the assignment of severity codes warranting special attention. The following table summarises severity value characteristics:

Severity	Functionality	Effect on system
1-Critical	Missing feature from those listed in the SRD or extremely problematic implementation.	Non-existent system response (missing functionality) or system crashes/locks. Specific component(s) may be blocked.
2-High	Major omission or major defect in functionality with regards to SRD.	Corresponding component(s) is (are) not functioning properly and problem cannot be circumvented.
3-Medium	Minor omission or minor defect in functionality.	Minor impact on corresponding component(s).
4-Low	Alternative implementations or “cosmetics” for UI.	No impact on corresponding component(s).

Table 4-1: Defects Severity Classification

4.3 *Suspension Criteria and Resumption Requirements*

As this is a Factory Acceptance Test (FAT), the main objectives are to:

- Verify that all the components are operating without defects both as units (where applicable) and integrated.
- Verify that the tested system is stable and reacts in a predictable manner.

For these reasons, all Test Cases and procedures selected for the test plan document are executed in subsequent runs even if previous runs have produced successful results (i.e. Test Cases characterised as passed). Test scenarios are independent of one another; therefore in the case of suspension of the execution of a test scenario, there will be no need – once testing resumes – to retest Test Case runs from previous test scenarios. Exception to this rule is when specific Test Cases are used in more than one scenario: in this case, all scenarios using the failed Test Case(s) will be replayed once testing resumes. All test scenarios will be re-run on subsequent executions of the system test.

The following template provides the format of the Test Case:

			TC No
[Removed]	Test Mode:	Test Method:	Last Updated: 10/06/2008
Requirement(s):			Other Dependencies:
Test Description:			
Pre Conditions:			
Execution Steps:			
Expected Results:			
Post Conditions:			

Table 4-2: Test Case Template

The Test Case attributes are explained as follows:

- *TC No* – a unique identifier that can be used to refer to this Test Case;
- *Test Mode* – specifies if automated or manual;
- *Test Method* – Negative (a test that produces an error result which will cause a message to be posted to the screen or the service) or Positive (a test that produces a normal result i.e. successful test) test;
- *Last Updated* – specifies the date that the Test Cases was last updated;
- *Requirement Identifier* – references to the requirements that are being validated by this Test Case. This forms the basis for the requirements coverage matrix in section 9;
- *Other Dependencies* – specifies if there are any other dependencies;
- *Test Description* – specifies a brief description of the Test Case;
- *Pre Conditions* – conditions that need to be satisfied before the test can be executed;
- *Execution Steps* – all of the steps that form the Test Case. The tester will execute each of these steps in turn, as part of the test execution cycle;

- *Expected Results* – the required conditions that must be met before the Test Case can be considered a success;
- *Post Conditions* – conditions that need to be met after the successful execution of the test.

4.4 ***Responsibilities***

The execution of both the Factory Acceptance Test and Integration Testing is the responsibility of the FITSDEV2 project team and is performed at the FITSDEV2 Project Office. The PM is responsible for the organisation and follow-up of the FAT and Integration Testing. These two testing phases ensure that requirements as described in the System Requirements Definition document were successfully implemented. In order to achieve this goal, the following roles have been assigned:

Role	Role Description
TESA	The test analyst (TESA) fulfils the need of specifying the necessary Test Cases in order to address the corresponding features of the TA application.
TSTR	The tester executes the specified Test Cases. In addition, the tester is responsible to install the necessary software and do all 'set-up' steps required before the formal testing commences. The tester must also identify and raise all issues regarding the accompanying documents. Any Test Case that cannot be executed literally must be identified and an update must be proposed to DG TAXUD approval.
TL	The Team Leader (TL) co-ordinates the actions of the development team during the testing period. The team leader of the TA application co-operates closely with the Test Team Leader and the QAM in order to properly address and resolve any defects that may be found during the TA Integration and FAT.
TTL	The Test Team Leader (TTL) is responsible for allocating the resources required to conduct the Integration Testing and FAT and co-ordinating the testing effort in co-operation with the Team Leader of TA application. He/She also reviews the specific Test Cases document and the test plan, verifies the execution of tests, monitors the proper logging of the defects found and communicates the test findings to the Team Leader of TA. The Test Team Leader is also responsible for the evaluation of the testing process and for applying any corrective and or preventive actions when required. The Test Team Leader is assisted in his tasks by the Quality Assurance Manager.
QAM	The Quality Assurance Manager (QAM) co-ordinates the testing effort before and during the TA Integration Testing and FAT. Initially, arranges a meeting where he/she presents the main objectives of the testing activity and the specific process steps that should be followed, to the whole of the TA team, testers and developers. In addition, guidelines for the completion of the testing forms (KEL database, FAT Report, Test Summary Report) are given to both testers and developers. Moreover, some guidelines are given to the developers to ensure mapping between the various defects found and corresponding domain, i.e.: • The code corrected; • The updated TST; • The changed configuration or; • The changes in the environment. During both testing phases, the Quality Assurance Manager provides clarifications to the testers and developers on the testing procedure and performs a review of the testing forms that are completed. The Quality Assurance Manager discusses all the problems encountered with the Team Leader in order to receive feedback for future improvements of the testing procedure.

Role	Role Description
QAO	The Quality Assurance Officer (Quality Engineer) is the representative of the Quality Assurance Section of [[Removed] Contractor] International who monitors the project quality. The QE is responsible for resolving quality-related issues and taking corrective actions even if it's required to temporarily suspend the testing activities. The Quality Assurance Officer reports to the Quality Assurance Manager for quality activities. The overall responsibilities of Quality Assurance Officer are: Participate in the design, implementation, revision, and quality control of the Configuration Management procedures and policies; Participate in the production and maintenance of the FQP and the CQPs. Perform reviews and inspections at Mandatory Inspection Points, focusing on: • Conformance of code to the development methodology guidelines described in the relevant CQP; • Conformance of code to the related specifications; • Reviewing the contents of tests; • Checking the traceability of changes, and the results of regression tests. Perform quality reviews on deliverables and propose comments/solutions; Perform project/quality audits. It involves the development of an audit plan, its execution, and the creation of the audit report; Cooperate with the Commission during Quality and Security audits; Production of questionnaires to permit quantitative analysis for assessing the quality of on-going interactive work sessions, training sessions and support activities; Conducting surveys by means of the aforementioned questionnaires in the context of quality assurance activities; Analyse the results and produce quality reports; Suggest Quality Improvements; Management of quality control records.
TDVLR	The test developer is responsible for coding the testing scripts to perform the automatic execution and verification of Test Cases. He/she does not participate in the testing as such but will be available to support the testers
DVLR	The developers of the TA team are responsible for regenerating the application software from its source code on the test infrastructure, prior to the execution of the testing procedure. They do not participate in the testing procedure, but will be standing by, in order to: • Provide assistance in the execution of the test scenarios; • Register problems solution; • Issue changes and fixes; • Advice on any difficulties encountered.

Table 4-3: Testing Roles and their Descriptions

The following diagram presents the participants of the TA Integration Testing and FAT specific roles and responsibilities.

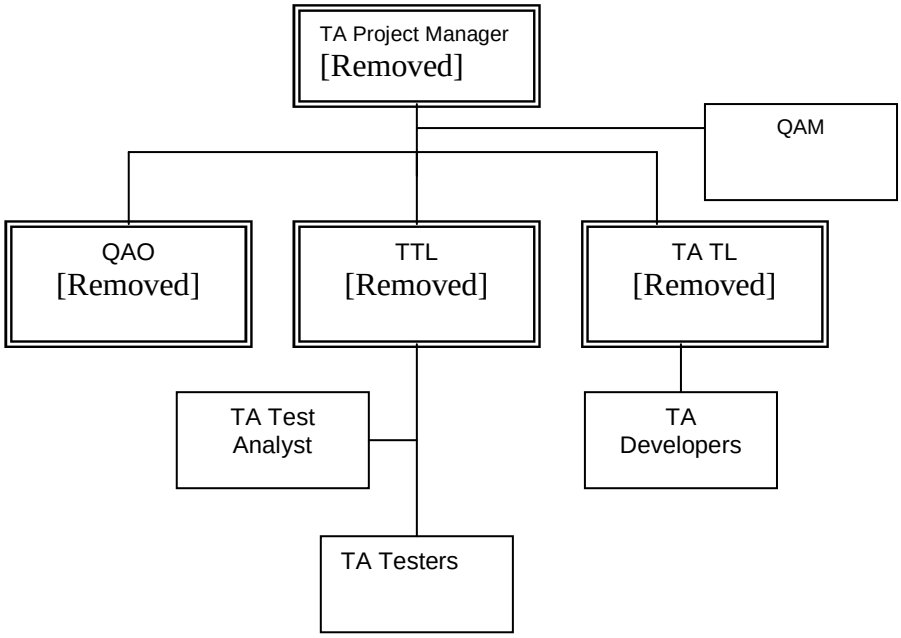

Figure 1: TA Testing Team Structure

4.5 *FAT Testing Procedure*

Factory Acceptance Testing is based on Test Cases described in chapter 5 of this document. A person (tester) who is not a developer but member of the Project Team executes the Test Cases and logs the results, including the identified issues, in the TMT, the results of which are included in the FAT Report. The FAT Report contains each Test Case which has been recorded in the TMT and captures details of the results after execution. There will be a Test Run Summary for Integration Testing which summarises the outcome of the testing.

4.5.1 Test setup

During this phase the TL, TTL and the developers ensure that the infrastructure, test inputs (Test Cases and procedures as described in this document) and relevant staff are ready to begin testing. Each tester is given the Test Cases and test procedures that are to be executed. The TTL is responsible for providing all necessary forms to the testing staff and co-ordinating the testing effort with the TL.

Inputs
Test Plan
Test Monitoring Tool (TMT)
Outputs
Test Execution Phase

Detailed Results are captured in the Test Monitoring Tool. TMT is a monitoring tool used by all the involved parties (Testing, Development, Specifications). The tester is able to provide details during the FAT execution which is visible to all development and specifications team members. TMT provides several reports such as the status of the FAT and the failed cases. The development and specifications team members are able to provide their position on the findings as well as solutions on problems occurred during the Run.

4.5.2 Test Entry Criteria

Before testing can commence on any build component the following criteria must have been met:

- All Requirements and Design deliverables must have been reviewed and approved;
- The previous (e.g. Unit Test and Integration Test respectively) test phase has been exited:
    - All defects identified have been recorded;
    - No severity 'Blocking' defects are outstanding;
    - Plans to correct outstanding severity 'Non-Blocking' defects are in place.
- Software and hardware infrastructure components to support testing have been installed by the development team and are available;
- Verification of test data (by the business analyst who contributed to the functional specifications of the tested system) within the test environment has been completed;
- Availability of correct configuration of users, their profiles and access rights to the different components of the tested system and its interfaces;

The test team will demonstrate readiness to commence test execution on the environment by the following:

- All Test Cases for that build component have been prepared and reviewed;
- All data preparation has been completed;
- Test cycle plan completed;
- The test tools are ready and available, i.e. all automated testing scripts have been created and tested to ensure the following:
    - correct processing of parameters per Test Case;
    - correct population and clean-up of the database;
- Correctness of messages generated

4.5.3 Test Execution

Each tester executes the pre-determined scenarios according to the Test Plan for TA TMT Database. If a defect is found, the relevant Test Case is recorded as failed in the TMT along with its severity.
If the defect is of severity 1 then the TA TL and the Tester have to decide if the FAT is possible to continue or not. This is because the FAT environment may become unstable or impossible to produce reliable results. In such cases the developers correct the defect found and the test environment (FAT environment) is updated. After the defect is corrected the failed Test Case is replayed along with associated Test Cases (e.g. the Test Cases within the same scenario). If the Test Cases pass, the FAT resumes (from the point stopped). If the defect caused the application to crash though, the FAT is suspended and a new full FAT run starts after the issue is solved.
If the defect is of severity 2 or less, the defect is logged on the TMT and testing continues. The corrections are verified in a subsequent full FAT run.

Inputs Test
Scenarios-Cases-Procedures (Test Plan)
Test Monitoring Tool (TMT)
Outputs
Completed TMT

4.5.4 Test Suspension

When a severity 1 defect is encountered:

- The FAT is suspended;
- The severity '1-Critical' defect is promoted to the responsible developer for immediate correction
- The defect is resolved and is unit tested;
- The corrected version of the tested system is returned to the tester.
- The failed Test Case and its associated ones (e.g. the Test Cases within the same scenario) are rerun until the defect is corrected;
- The FAT resumes.

Please notice that this practice is followed for severity 1 defects for which the application has crashed. In cases of missing functionality, the testing does not stop but continues with other functionalities. System crash is the prime reason for deciding to stop the FAT.

4.5.5 Test Resumption

Testing can resume only if the Test Case that produced the suspension severity '1-Critical' defect and the associated ones are successfully re-run (regression test). Testing continues with the next Test Case.

4.5.6 Wrap up Phase

When the complete set of Test Cases has been run, the testers deliver the completed TMT to the TTL. The TTL appends the test execution form to the test folder. The TL and the TTL review the TMT in order to have an overview of the defects found during the specific run. Then the TL evaluates the defects and promotes each of them to the appropriate developer for replication and resolution. The TTL co-operates with the TL in tracking the progress of the resolution. When a defect is deemed corrected by the developer through unit testing (i.e. successful pass of the relevant Test Case that failed and produced the defect) the developer assigns the initials and the date in the corresponding fields of the TMT. The resolution of the defects will be tested in a subsequent testing run. A new build of the application is installed in the testing environment for each testing run.

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Inputs

Test Scenarios-Cases-Procedures (Test Plan)
Completed TMT by the testers

Outputs

Test Summary Report
TMT completed by the developers
Test reports extracted from the TMT

4.5.7 Test Exit Criteria

For the software code to be accepted, the following must hold:

- No severity 1 defects.
- No severity 2 defects. Failed Test Cases of high severity should be fixed and rerun until the defect is corrected.
- Maximum five severity 3 defects and specification of a deadline by which these defects must be resolved.
- Maximum ten severity 4 defects and specification of a deadline by which these defects must be resolved.

4.5.8 Test Conclusion

At the end of testing, the TM is responsible for checking the following:

1) The infrastructure is initialised accordingly e.g. for next test round/test level etc;
2) The test documentation has been produced according to the plan.

5 Test Cases for Functional Requirements Phase3

5.1 *Common Functionality*

5.1.1 TP1 – Communication

[Removed]		
Test Procedure Name:	Communication	**TP01**
Description:	This procedure checks the proper message exchange on common functionality.	
Test Cases:	• TC001 - Test session per phase and per mode. • TC079 - Reception of message (CD Operational Mode):Valid XML message with invalid CCN Correlation Identifier. • TC080 - Execute Scenario in Mode-2 testing: Valid XML message and invalid CCN Correlation Identifier. • TC076 - Check IE Type functionality in Mode -1.	

5.1.1.1 Send Message

5.1.1.1.1 TC001

			TC001
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUP2 • SUP25 • SUPL57 • UC- MOD1-DTM-07		Other Dependencies:
Test Description:	Test session per phase and per mode.		
Pre Conditions: • Testing Operator has the access rights to run a test session.			
Execution Steps:			
1. Logon to TA as Testing Operator for EMCS FS1 country A; 2. Start a test session in Mode-1; 3. Logon to TA as TA for EMCS FS 2 country A; 4. Start a test Session in Mode-2.			
Expected Results:			
1. User has been logged on as TA for EMCS Phase 1 country A testing Operator, all the relevant links to the FS1 documentation, and there is no “Phase” occurrences; 2. Test session has been initiated; 3. User has been logged on as TA for EMCS Phase2 country A testing Operator, all the relevant links to the FS2 documentation, and there is no “Phase” occurrences; 4. The session is not allowed by the system to be initiated.			
Post Conditions:			

5.1.1.1.2 TC079

			TC079
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 27/04/2011

Requirement(s):	• SUPL10 • SUPL11 • SUPL20 • SUPL21 • SUPL3 • SUPL5 • SUPL70 • UC-CMN-COM-03 • UC- MOD1-LOG-05 • UC- MOD1-MMAN-12 • UC-CMN-VALD-15 • UC-CMN-VALD-32 • UC-CMN-VALD-39	Other Dependencies:
Test Description:	Reception of message (CD Operational Mode):Valid XML message with invalid CCN Correlation Identifier.	
Pre Conditions: • TA started in Mode-1 Testing.		
Execution Steps:		
1. Start-up TA Mode-1 Testing in CD operational mode; 2. Create and send to TA a valid Common Domain message with invalid CCN Correlation Identifier that is not DDNEA compliant; 3. Select to continue the receiving process; 4. Examine in the logs if the message was successfully received.		
Expected Results:		
1. Start-up TA Mode-1 Testing in CD operational mode successfully; 2. A valid Common Domain message with invalid CCN Correlation Identifier was created and sent to the TA and a warning for invalid CCN Correlation Identifier is displayed; 3. The receiving process continues; 4. The message was successfully received.		
Post Conditions:		

5.1.1.1.3 TC080

			TC080
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 27/04/2011
Requirement(s):	• SUPL28 • SUPL29 • SUPL31 • SUPL32 • SUPL37 • SUPL4 • SUPL43 • SUPL45 • SUPL5 • SUPL53 • SUPL6 • SUPL7 • SUPL70 • SUPL8 • SUPL9 • UC-MOD2-CORE-17 • UC-MOD2-LOG-21 • UC-CMN-VALD-32 • UC-CMN-VALD-39		Other Dependencies:
Test Description:	Execute Scenario in Mode-2 testing: Valid XML message and invalid CCN Correlation Identifier.		
Pre Conditions: • User logged in TA Mode-2 Testing Remote Console as Mode-2 Testing Remote Operator or the [Removed], Scenario has been set up.			

Execution Steps:
1. Select to start a scenario execution that defines that the NEA under test sends the first IE; 2. Send from the NEA under test a valid IE801 XML message, with an invalid CCN Correlation Identifier to the TA and verify that the message is received by the TA; 3. Verify that the scenario is flagged as passed in the logs of the scenario execution.
Expected Results:
1. The scenario execution starts; 2. The system makes a log entry when the IE is got from the CCN/CSI queue to be processed by the TA; 3. The scenario is indicated as passed. A warning for the invalid CCN Correlation Identifier has been raised.
Post Conditions:

5.1.1.1.4 TC076

			TC076
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 03/11/2010
Requirement(s):	• SUP63 • UC-MOD1-MMAN-11		Other Dependencies:
Test Description:	Check IE Type functionality in Mode -1.		

Pre Conditions: • Testing Operator has the access rights to run a test session.
Execution Steps:
1. Log on as Mode 1 Testing operator either for FS1 or FS2. 2. Start a test session 3. Create and upload to TA a valid IE801 message 4. Send the IE801 message from MSA Destination to MSA of Dispatch.
Expected Results:
1. Mode 1 Testing operator has been successfully logged in on TA. 2. Test session has been initiated 3. A valid IE801 message is created and uploaded to TA 4. A pop up window appears which reports that the IE801 message should not be sent by MSA Destination. The operator can either choose to continue sending the message or not.
Post Conditions:

5.2 *Mode-1 Testing Functionality*

5.2.1 TP2 – Logging

[Removed]		
Test Procedure Name:	Mode 1 - Logging	**TP02**
Description:	This procedure checks the application on logging IE transaction during Mode-1 Testing	
Test Cases:	• TC004 - View Mode-1 Testing Log Events: IE sending logs. • TC005 - View Mode-1 Testing Log Events: IE receiving logs. • TC006 - View Mode-1 Testing Log Events: IE verification logs.	

5.2.1.1 View Log Events

5.2.1.1.1 TC004

			TC004
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL2 • UC- MOD1-LOG-31		Other Dependencies:
Test Description:	View Mode-1 Testing Log Events: IE sending logs.		
Pre Conditions: • A test session has been executed.			
Execution Steps:			
1. Select the " View log events" action 2. Select the "IE Sent Log Event" option".			
Expected Results:			
1. The following list of options has been displayed: • IE sending logs; (TA to NEA) • IE receiving logs; (NEA to TA) • IE verification logs.(TA to NEA) 2. The following list of options has been displayed: • Date and time of Session.			
Post Conditions:			

5.2.1.1.2 TC005

			TC005
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL2 • UC- MOD1-LOG-31		Other Dependencies:
Test Description:	View Mode-1 Testing Log Events: IE receiving logs.		
Pre Conditions: • A test session has been executed.			
Execution Steps:			
1. Select the "View logs" action 2. Select the "IE receiving logs" option". 3. Click on “search” button.			

Expected Results:
1. The following list of output has been displayed: • IE sending logs; • IE receiving logs; • IE verification logs. 2. The following list of options has been displayed: • The outcome of the semantic validation on the IE, including all errors encountered; • The IE in XML format. This representation will contain any manual changes applied; • A time/date stamp when it has been received.
Post Conditions:

5.2.1.1.3 TC006

			TC006
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL2 • UC- MOD1-LOG-31		Other Dependencies:
Test Description:	View Mode-1 Testing Log Events: IE verification logs.		

Pre Conditions:
• A test session has been executed.
Execution Steps:
1. Select the "View logs" action; 2. Select the "IE verification logs" option". 3. Click on “search” button.
Expected Results:
1. The following list of output has been displayed: • IE sending logs; • IE receiving logs; • IE verification logs. 2. The following list of options has been displayed: • The overall outcome of the verification (correct or errors found); • An indication of the kind of error, namely: Error during message structure verification, error during Value Format verification, Error during Codelist verification, Error During Excise Office and Trader verification, Error During Rules and Conditions Verification; • The location of the error detailed by the data-item or data group and underlying data-groups.
Post Conditions:

5.2.2 TP3 - Data Management

[Removed]		
Test Procedure Name:	Mode 1 - Data Management	**TP03**
Description:	This procedure tests the application on validation and handling of IE messages and instantiation data on the repository.	
Test Cases:	• TC081 - Quick upload. • TC007 - Instantiation Data Repository: Edit instantiation data. • TC008 - Instantiation Data Repository: Add new instantiation data. • TC009 – Instantiation Data Repository: Delete instantiation data. • TC010 – Reference Data repository - EOL. • TC011 – IE Repository: Upload a syntactically valid IE: Unique IE name. • TC012 – IE Repository: Syntactically valid IE: Not unique IE name. • TC013 – IE Repository: Upload a syntactically invalid IE. • TC014 – IE Repository: Clone an IE. • TC015 – IE Repository: Create an IE from template. • TC016 – IE Repository: Edit IE. • TC017 – IE Repository: Delete an IE. • TC018 – IE Repository: Clone an IE: Not unique IE name. • TC019 – IE Repository: Create an IE from template: Not unique IE name.	

5.2.2.1 Instantiation Data Repository Update

5.2.2.1.1 TC081

			TC081
[Removed] Requirement(s):	Test Mode: Manual • SUPL71 • UC-MOD2-ADMN-37	Test Method: Positive	Last Updated: 09/05/2011 Other Dependencies:
Test Description:	Quick upload		
Pre Conditions: • CTP zip data file should be used that is delivered in the release.			
Execution Steps:			
1. Log on as [Removed]; 2. Go to Setup Test Environment Page and click the CTP Upload Tab; 3. Press the Browse button and select the CTP zip data file that should be uploaded on the system. Once ready press the Upload button;			
Expected Results:			
1. The Administrator has been logged on successfully; 2. The Administrator accesses the CTP Upload page; 3. The CTP zip data file has been successfully uploaded to the system.			
Post Conditions:			

5.2.2.1.2 TC007

			TC007
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010

Requirement(s):	• SUPL2 • SUPL25 • UC- MOD1-DTM-07	Other Dependencies:
Test Description:	Test the Instantiation Data handling options in Mode1	

Pre Conditions:

- User in TA Mode-1 Testing Instantiation: Data Repository.

Execution Steps:

1. Select the "Manage Instantiation Data" action from the "Main" screen;
2. Select to "Edit instantiation data";
3. Edit the country's instantiation data and press the "Save" button;
4. Perform TC060 ("Instantiation Data" screen) to check if the instantiation data for this country has been updated.

Expected Results:

1. The "Manage Instantiation Data" screen has been displayed with the following list of options when right-click on an "instantiationData" node:
   - Edit instantiation data;
   - Add new instantiation data;
   - Delete instantiation data.
2. The available instantiation data files are listed in;
3. Edit the country's instantiation data and press the "Save" button;
4. Perform TC060 to check if the instantiation data for this country has been updated.

Post Conditions:

5.2.2.1.3 TC008

			TC008
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL2 • SUPL25 • UC- MOD1-DTM-07		Other Dependencies:
Test Description:	Instantiation Data Repository: Add new instantiation data.		

Pre Conditions:

- User in TA Mode-1 Testing: Instantiation Data Repository.

Execution Steps:

1. Select the "Manage Instantiation Data" action from the "Main" screen;
2. Select to "Add new instantiation data";
3. Add new instantiation data and press the "Save" button;
4. Perform TC060 ("Instantiation Data" screen) to check if the in the instantiation data has been created.

Expected Results:

1. The "Manage Instantiation Data" screen has been displayed with the following list of options when right-click on an "instantiationData" node:
   - Add new instantiation data;
   - Delete instantiation data.
2. The appropriate screen is displayed;
3. The instantiation data is added and the results are saved;
4. The instantiation data has been created.

Post Conditions:

5.2.2.1.4 TC009

			TC009
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL2 • SUPL25 • UC- MOD1-DTM-07		Other Dependencies:
Test Description:	Instantiation Data Repository: Delete instantiation data.		

Pre Conditions:

- User in TA Mode-1 Testing: Instantiation Data Repository.

Execution Steps:

1. Select the "Manage Instantiation Data" action from the "Main" screen;
2. Select to "Delete instantiation data";
3. Select the instantiation data file to be deleted and press the "Delete" button;
4. Perform TC060 ("Instantiation Data" screen) to check if the instantiation data exists.

Expected Results:

1. The "Manage Instantiation Data" screen has been displayed with the following list of options when right-click on an “instantiationData” node:
   - Edit instantiation data;
   - Add new instantiation data;
   - Delete instantiation data.
2. The appropriate screen is displayed, the available instantiation data files are listed in order to allow the user to select the one that is to be deleted;
3. The instantiation data is selected;
4. The instantiation data does not exist.

Post Conditions:

5.2.2.2 Reference Data Update

5.2.2.2.1 TC010

			TC010
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL15 • UC-MOD1-DTM-09		Other Dependencies:
Test Description:	Reference Data repository – EOL, RD and Economic Operators.		

Pre Conditions:

- User in TA Mode-1 Testing: Reference Data Repository.

Execution Steps:

Execute the Test Case using all the following messages: IE931, IE734 and IE713.

1. Create and upload to TA a valid IE931, IE734 and IE713 message;
2. Examine in the logs if IE931, IE734 and IE713 have been uploaded.

Expected Results:

1. A valid IE931, IE734 and IE713 message is created and uploaded to TA;
2. The upload of an IE931, IE734 and IE713 have been recorded in the logs.

Post Conditions:

5.2.2.2.2 TC011

	TC011

[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 09/05/2011
Requirement(s):	• SUPL17 • SUPL18 • UC-CMN-VALD-32 • UC-MOD1-DTM-33		Other Dependencies:
Test Description:	IE Repository: Upload a syntactically valid IE: Unique IE name.		

Pre Conditions:

- User in TA Mode-1 Testing: IE Repository.

Execution Steps:

1. Select the "Manage IE" action from the "Main" screen;
2. Select to "Add/Create an IE";
3. Select to "Upload an IE";
4. Locate a syntactically valid IE with a name that doesn't exist in the repository and press the "Save" button;
5. Perform TC063 ("Existing IEs" Screen) to check if the IE has been uploaded.

Expected Results:

1. The following list of options has been displayed:
   - Add/Create an IE;
   - Edit an IE;
   - Delete an IE.
2. The following list of options has been displayed:
   - Upload an IE;
   - Clone an IE;
   - Create an IE from template.
3. The appropriate screen is displayed;
4. The IE is added in the repository and the results are saved;
5. The IE has been successfully uploaded.

Post Conditions:

5.2.2.2.3 TC012

			TC012
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 09/05/2011
Requirement(s):	• SUPL17 • SUPL18 • UC-CMN-VALD-32 • UC-MOD1-DTM-33		Other Dependencies:
Test Description:	IE Repository: Syntactically valid IE: Not unique IE name.		

Pre Conditions:

- User in TA Mode-1 Testing: IE Repository.

Execution Steps:

1. Select the "Manage IE" action from the "Main" screen;
2. Select to "Add/Create an IE";
3. Select to "Upload an IE";
4. Locate a syntactically valid IE with a name that does exist in the repository and press the "Save" button;
5. Perform TC063 ("Existing IEs" Screen) to check if the IE has been uploaded.

Expected Results:

1. The following list of options has been displayed: • Add/Create an IE; • Edit an IE; • Delete an IE. 2. The following list of options has been displayed: • Upload an IE; • Clone an IE; • Create an IE from template. 3. The appropriate screen is displayed; 4. The IE is located and the name is selected. A message is displayed to the user and prompts him to enter a different name for the IE; 5. The IE has not been successfully uploaded.
Post Conditions:

5.2.2.2.4 TC013

			TC013
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL17 • UC-CMN-VALD-32 • UC-MOD1-DTM-33		Other Dependencies:
Test Description:	IE Repository: Upload a syntactically invalid IE.		

Pre Conditions:

- User in TA Mode-1 Testing: IE Repository.

Execution Steps:
1. Select the "Manage IE" action from the "Main" screen; 2. Select to "Add/Create an IE"; 3. Select to "Upload an IE"; 4. Locate a syntactically invalid IE with a name that doesn't exist in the repository and press the "Save" button; 5. Perform TC063 ("Existing IEs" Screen) to check if the IE has been uploaded.
Expected Results:
1. The following list of options has been displayed: • Add/Create an IE; • Edit an IE; • Delete an IE. 2. The following list of options has been displayed: • Upload an IE; • Clone an IE; • Create an IE from template. 3. The appropriate screen is displayed; 4. The IE is located and the name is selected. A message is displayed to the user and prompts him for the errors occurred; 5. The IE has not been successfully uploaded.
Post Conditions:

5.2.2.2.5 TC014

			TC014
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL17 • UC-MOD1-DTM-33		Other Dependencies:
Test Description:	IE Repository: Clone an IE.		

Pre Conditions:
• User in TA Mode-1 Testing: IE Repository.
Execution Steps:
1. Select the "Manage IE" action from the "Main" screen; 2. Select to "Add/Create an IE"; 3. Select to "Clone an IE"; 4. Select an IE from the repository; 5. Perform some manual changes on the IE content and select the "Save" button; 6. Perform TC063 ("Existing IEs" Screen) to check if the cloned IE has been created.
Expected Results:
1. The following list of options has been displayed: • Add/Create an IE; • Edit an IE; • Delete an IE. 2. The following list of options has been displayed: • Upload an IE; • Clone an IE; • Create an IE from template. 3. The appropriate screen is displayed; 4. The IE is loaded in the GUI; 5. The manual modifications have been performed. The data have been saved after pressing the "Save" button; 6. The cloned IE has been successfully created.
Post Conditions:

5.2.2.2.6 TC015

			TC015
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL17 • SUPL18 • UC-MOD1-DTM-33		Other Dependencies:
Test Description:	IE Repository: Create an IE from template.		

Pre Conditions:
• User in TA Mode-1 Testing: IE Repository.
Execution Steps:
1. Select the "Manage IE" action from the "Main" screen; 2. Select to "Add/Create an IE"; 3. Select to " create an IE from template"; 4. Select an IE from the repository; 5. Fill the IE template with data and select the "Save" button; 6. Perform TC063 ("Existing IEs" Screen) to check if the new IE has been created.
Expected Results:
1. The following list of options has been displayed: • Add/Create an IE; • Edit an IE; • Delete an IE. 2. The following list of options has been displayed: • Upload an IE; • Clone an IE; • Create an IE from template. 3. A list of all IE templates that are available in the repository is displayed; 4. The selected IE template is loaded in the GUI; 5. The IE template is filled with data; 6. The IE created from template has been successfully created.

Post Conditions:

5.2.2.2.7 TC016

			TC016
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL17 • UC-MOD1-DTM-33		Other Dependencies:
Test Description:	IE Repository: Edit IE.		

Pre Conditions:

- User in TA Mode-1 Testing: IE Repository.

Execution Steps:

1. Select the "Manage IE" action from the "Main" screen;
2. Select to "Edit an IE";
3. Edit the IE content and press the "Save" button;
4. Perform TC063 ("Existing IEs" Screen) to check if the specific IE has been updated.

Expected Results:

1. The following list of options has been displayed:
   - Add/Create an IE;
   - Edit an IE;
   - Delete an IE.
2. The available IE files are listed in order to allow the user to select the one that is to be edited;
3. The IE is edited and the results are saved;
4. The IE has been updated.

Post Conditions:

5.2.2.2.8 TC017

			TC017
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL17 • UC-MOD1-DTM-33		Other Dependencies:
Test Description:	IE Repository: Delete an IE.		

Pre Conditions:

- User in TA Mode-1 Testing: IE Repository.

Execution Steps:

1. Select the "Manage IE" action from the "Main" screen;
2. Select to "Delete an IE";
3. Select the IE content and press the "Delete" button;
4. Perform TC063 ("Existing IEs" Screen) to check if the specific IE has been deleted.

Expected Results:

1. The following list of options has been displayed:
   - Add/Create an IE;
   - Edit an IE;
   - Delete an IE.
2. The available IE files are listed in order to allow the user to select the one that is to be deleted;
3. The IE is selected;
4. The IE has been deleted.

Post Conditions:

5.2.2.2.9 TC018

			TC018
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL17 • UC-MOD1-DTM-33		Other Dependencies:
Test Description:	IE Repository: Clone an IE: Not unique IE name.		

Pre Conditions:

- User in TA Mode-1 Testing: IE Repository.

Execution Steps:

1. Select the "Manage IE" action from the "Main" screen;
2. Select to "Add/Create an IE";
3. Select to "Clone an IE";
4. Select an IE from the repository;
5. Perform some manual changes on the IE content and select the "Save" button, provide a name that already exists in the repository;
6. Perform TC063 ("Existing IEs" Screen) to check if the cloned IE has been created.

Expected Results:

1. The following list of options has been displayed:
   - Add/Create an IE;
   - Edit an IE;
   - Delete an IE.
2. The following list of options has been displayed:
   - Upload an IE;
   - Clone an IE;
   - Create an IE from template.
3. The appropriate screen is displayed;
4. The IE is loaded in the GUI;
5. The manual changes are performed and the button pressed;
6. The cloned IE has not been created.

Post Conditions:

5.2.2.2.10 TC019

			TC019
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL17 • SUPL18 • UC-MOD1-DTM-33		Other Dependencies:
Test Description:	IE Repository: Create an IE from template: Not unique IE name.		

Pre Conditions:

- User in TA Mode-1 Testing: IE Repository.

Execution Steps:

1. Select the "Manage IE" action from the "Main" screen;
2. Select to "Add/Create an IE";
3. Select to "create an IE from template";
4. Select an IE from the repository;
5. Fill the IE template with data and select the "Save" button, provide a name that already exists in the repository;
6. Perform TC063 ("Existing IEs" Screen) to check if the new IE has been created.

Expected Results:

1. The following list of options has been displayed: • Add/Create an IE; • Edit an IE; • Delete an IE. 2. The following list of options has been displayed: • Upload an IE; • Clone an IE; • Create an IE from template. 3. A list of all IE templates that are available in the repository is displayed; 4. The selected IE template is loaded in the GUI; 5. The IE template is filled with data; 6. The IE created from template has not been created.
Post Conditions:

5.2.3 TP4 - Message manipulation

[Removed]		
Test Procedure Name:	Mode 1 - Message manipulation	**TP04**
Description:	This procedure tests the application on operating on ED or CD mode, during the Mode-1 Testing Remote operation.	
Test Cases:	• TC020 – Instantiation Data Repository - Instantiating Messages. • TC021 – Reception of message (CD Operational Mode): Valid message (CD message). • TC022 – Reception of message (CD Operational Mode): Valid message (ED message). • TC024 – Reception of message (CD Operational Mode): Invalid message due to Semantic Validation Failure; • TC025 – Sending of message (CD Operational Mode): Valid message. • TC026 – Sending of message (CD Operational Mode): Invalid message type (ED message). • TC027 – Sending of message (CD Operational Mode): Invalid message due to Semantic Validation Failure. • TC028- Sending of IE934 message in Mode-1 testing (CD Operational Mode): Valid message.	

5.2.3.1 Message Instantiation

5.2.3.1.1 TC020

			TC020
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL14 • SUPL17 • SUPL18 • SUPL19 • SUPL24 • UC- MOD1-MMAN-10		Other Dependencies:
Test Description:	Tests the Instantiation process.		
Pre Conditions: • User in TA Mode-1 Testing: Instantiation Data repository.			
Execution Steps:			

1. Login as Mode1 Test user. 2. Go to the Create IE From Template screen. 3. Create a new IE from a template e.g. IE801, but without changing anything in that template i.e. leave the template not instantiated. 4. Go to the Mode1 Console and start a new Test Session. 5. Send the message created from template by pressing Send. 6. Check in the IE Sent Log Event the XML content and compare it to the original Template XML content. Verify that all the non-instantiated tags i.e. $..$ have been instantiated before sending i.e. have been assigned values.
Expected Results:
1. User login successfully; 2. Create IE From Template screen displays correctly; 3. IE message is created correctly; 4. New session is started successfully; 5. Message is sent successfully; 6. All the non-instantiated tags i.e. $..$ have been instantiated before sending i.e. have been assigned values.
Post Conditions:

5.2.3.1.2 TC021

			TC021
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL10 • SUPL11 • SUPL20 • SUPL21 • SUPL3 • SUPL5 • UC-CMN-COM-03 • UC- MOD1-LOG-05 • UC- MOD1-MMAN-12 • UC-CMN-VALD-15 • UC-CMN-VALD-32 • UC-CMN-VALD-39		Other Dependencies:
Test Description:	Reception of message (CD Operational Mode): Valid message (CD message).		

Pre Conditions: • TA started in Mode-1 Testing.
Execution Steps:
1. Perform TC058 (Start-up TA Mode-1 Testing in CD operational mode); 2. Create and send to TA a valid Common Domain message; 3. Examine in the logs if the message was successfully received.
Expected Results:
1. TC058 (Start-up TA Mode-1 Testing in CD operational mode) successfully performed; 2. A valid Common Domain message is created and sent to the TA; 3. The message was successfully received.
Post Conditions:

5.2.3.1.3 TC022

			TC022
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010

Requirement(s):	• SUPL10 • SUPL11 • SUPL20 • SUPL21 • SUPL3 • UC-CMN-COM-03 • UC- MOD1-LOG-05 • UC- MOD1-MMAN-12 • UC-CMN-VALD-15 • UC-CMN-VALD-32 • UC-CMN-VALD-39	Other Dependencies:
Test Description:	Reception of message (CD Operational Mode): Valid message (ED message).	

Pre Conditions:

- TA started in Mode-1 Testing.

Execution Steps:

1. TC058 (Start-up TA Mode-1 Testing in CD operational mode) performed;
2. Create and send to TA a valid External Domain message;
3. Select to continue the receiving process;
4. Examine in the logs if the message was successfully received.

Expected Results:

1. TC058 (Start-up TA Mode-1 Testing in CD operational mode) successfully performed;
2. A valid External Domain message is created and sent to the TA and a "Invalid IE type" warning is displayed;
3. The receiving process continues;
4. The message has been received and the errors have been logged.

Post Conditions:

5.2.3.1.4 TC024

			TC024
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL10 • SUPL11 • SUPL20 • SUPL21 • SUPL3 • SUPL5 • UC-CMN-COM-03 • UC- MOD1-LOG-05 • UC- MOD1-MMAN-12 • UC-CMN-VALD-15 • UC-CMN-VALD-32 • UC-CMN-VALD-39		Other Dependencies:
Test Description:	Reception of message (CD Operational Mode): Invalid message due to Semantic Validation Failure.		

Pre Conditions:

- TA started in Mode-1 Testing.

Execution Steps:

1. TC058 (Start-up TA Mode-1 Testing in CD operational mode) performed;
2. Create and send to TA an invalid Common Domain message that is not DDNEA compliant ([General Remark01]);
3. Select to continue the receiving process;
4. Examine in the verification log.

Expected Results:

1. TC058 (Start-up TA Mode-1 Testing in CD operational mode) successfully performed; 2. An invalid Common Domain message with semantic violation was created and sent to the TA and a "Semantically Invalid IE" warning is displayed; 3. The receiving process continues; 4. An IE Verification Log Event with the “Semantic Validation failed” is generated.
Post Conditions:

5.2.3.2 Message Sending

5.2.3.2.1 TC025

			TC025
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL11 • SUPL19 • SUPL20 • SUPL22 • SUPL3 • SUPL5 • UC-CMN-COM-01 • UC-CMN-COM-02 • UC-CMN-COM-04 • UC- MOD1-LOG-05 • UC- MOD1-MMAN-10 • UC-MOD1-MMAN-11 • UC-CMN-VALD-32 • UC-MOD1-MMAN-34		Other Dependencies:
Test Description:	Sending of message (CD Operational Mode): Valid message.		

Pre Conditions: • TA started in Mode-1 Testing.
Execution Steps:
1. Perform TC058 (Start-up TA Mode-1 Testing in CD operational mode); 2. Open the IE repository; 3. Select a valid IE801, update the content of the message and press the "Send" button; 4. Ensure that the system has notified that the message is being processed; 5. Examine in the logs if an IE801 was sent to the NEA under test.
Expected Results:
1. Start-up TA Mode-1 Testing in CD operational mode successfully performed; 2. The IE repository successfully loaded; 3. A valid IE801 is selected; 4. An IE801 has been sent to the NEA under test; 5. The IE801 has been sent successfully.
Post Conditions:

5.2.3.2.2 TC026

			TC026
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010

Requirement(s):	• SUPL11 • SUPL19 • SUPL20 • SUPL22 • SUPL3 • SUPL5 • UC-CMN-COM-01 • UC-CMN-COM-02 • UC-CMN-COM-04 • UC- MOD1-LOG-05 • UC- MOD1-MMAN-10 • UC-MOD1-MMAN-11 • UC-CMN-VALD-32 • UC-MOD1-MMAN-34	Other Dependencies:
Test Description:	Sending of message (CD Operational Mode): Invalid message type (ED message).	

Pre Conditions:

- TA started in Mode-1 Testing.

Execution Steps:

1. Perform TC058 (Start-up TA Mode-1 Testing in CD operational mode);
2. Select to upload a message;
3. Locate on the local disk a valid IE815 and press the "Upload and Send" button;
4. Acknowledge the warning and select to continue the sending process;
5. Ensure that the system has notified that the message is being processed. Examine in the logs if an IE815 was sent to the NEA under test.

Expected Results:

1. Start-up TA Mode-1 Testing in CD operational mode performed successfully;
2. The IE repository successfully loaded;
3. A valid IE815 is selected and a "Invalid IE type" warning is displayed;
4. The sending process continues;
5. The system provides a notification that the message has been processed. An IE815 has been sent to the NEA under test.

Post Conditions:

5.2.3.2.3 TC027

			TC027
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL11 • SUPL19 • SUPL20 • SUPL22 • SUPL3 • SUPL5 • UC-CMN-COM-01 • UC-CMN-COM-02 • UC-CMN-COM-04 • UC- MOD1-LOG-05 • UC- MOD1-MMAN-10 • UC-MOD1-MMAN-11 • UC-CMN-VALD-32 • UC-MOD1-MMAN-34		Other Dependencies:
Test Description:	Sending of message (CD Operational Mode): Invalid message due to Semantic Validation Failure.		

Pre Conditions:

- TA started in Mode-1 Testing.

Execution Steps:

1. Perform TC058 (Start-up TA Mode-1 Testing in CD operational mode); 2. Open the IE repository; 3. Select an IE801 semantically invalid and press the "Send"; 4. Select to continue the sending process if an IE801 was sent to the NEA under test; 5. Ensure that the system has notified that the message is being processed; 6. Examine in the logs if an IE801 was sent to the NEA under test.
Expected Results:
1. Start-up TA Mode-1 Testing in CD operational mode performed successfully; 2. The IE repository successfully loaded; 3. A semantically invalid IE801 is selected and a "Semantically Invalid IE" warning is displayed; 4. The sending process continues; 5. The system provides a notification that the message has been processed; 6. An IE801 has been sent to the NEA under test.
Post Conditions:

5.2.3.2.4 TC028

			TC028
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL11		Other Dependencies:
Test Description:	Sending of IE934 message in Mode-1 testing (CD Operational Mode): Valid message.		

Pre Conditions:

- TA started in Mode-1 Testing.

Execution Steps:
1. Perform TC058 (Start-up TA Mode-1 Testing in CD operational mode) ; 2. Open the IE repository; 3. Select a valid IE934 and press the "Send"; 4. Ensure that the system has notified that the message is being processed, examine in the logs if an IE934 was sent to the NEA under test.
Expected Results:
1. Start-up TA Mode-1 Testing in CD operational mode performed successfully; 2. The IE repository successfully loaded; 3. A valid IE934 is selected and a "Invalid IE type" warning is displayed; 4. The sending process continues. An IE934 has been sent to the NEA under test.
Post Conditions:

5.3 *Mode-2 Testing Functionality*

5.3.1 TP5 – Core

[Removed]		
Test Procedure Name:	Mode 2 - Core	TP06
Description:	This procedure tests the application on scenario setup and execution.	
Test Cases:	• TC029 - Successful Setup of a Scenario. • TC030 - Execute Scenario in Mode-2 testing: Out of sequence received IE. • TC031 - Execute Scenario in Mode-2 testing: Incorrect	

	message. • TC032 - Execute Scenario in Mode-2 testing: Incorrect message. • TC033 - Execute Scenario in Mode-2 testing: Incorrect message. • TC034 - Execute Scenario in Mode-2 testing. • TC035 - Execute Scenario in Mode-2 testing while field by field service is enabled. • TC036 - Execute Scenario in Mode-2 testing while field by field service is enabled. • TC038 - Sending of IE934 message in Mode-2 testing (CD Operational Mode): Valid message. • TC077 - Number of countries that TA can impersonate per scenario. • TC086 - Check ARC service. • TC087 - Migration Scenario Setup&Run screen. • TC088 - Download button. • TC089 - Set up Migration Scenario. • TC090 - Execute Migration scenario.

5.3.1.1 Set up Scenario

5.3.1.1.1 TC029

			TC029
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL28 • SUPL31 • SUPL32 • SUPL4 • SUPL43 • SUPL5 • UC-MOD2-CORE-16		Other Dependencies:
Test Description:	Successful Setup of a Scenario.		
Pre Conditions: • User logged in TA Mode-2 Testing Remote Console as Mode-2 Testing Remote Operator or [Removed].			
Execution Steps:			
1. Select to set up a scenario; 2. Select the source of the scenario (MSA defined or defined); 3. Select the functional stage of the NEA under test; 4. Select the business category of test execution; 5. Select the scenario to execute; 6. Select the country to be played by the TA when executing a NF scenario; 7. Select the roles to be played by the NEA under test; 8. Select the dataset to use while testing.			
Expected Results:			
1. The user is provided with a set of successive input forms to key in his/her preferences; 2. 2-7. The selection is successfully recorded; 3. 8. The user is informed that the selected scenario has been successfully set up.			
Post Conditions:			

5.3.1.1.2 TC030

	TC030

[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL28 • SUPL29 • SUPL31 • SUPL32 • SUPL37 • SUPL4 • SUPL43 • SUPL45 • SUPL5 • SUPL53 • SUPL6 • SUPL7 • SUPL8 • SUPL9 • UC-MOD2-CORE-17 • UC-MOD2-CORE-20 • UC-MOD2-LOG-21 • UC-MOD2-LOG-22		Other Dependencies:
Test Description:	Execute Scenario in Mode-2 testing: Out of sequence received IE.		

Pre Conditions:

- User logged in TA Mode-2 Testing Remote Console as Mode-2 Testing Remote Operator or the [Removed], Scenario has been set up.

Execution Steps:

1. Select to start a scenario execution that defines that the NEA under test sends the first IE;
2. Send from the NEA under test an IE818 message to the TA and verify that the message is received by the TA;
3. Verify the results of the scenario execution;
4. Verify the logs of the scenario execution.

Expected Results:

1. The scenario execution starts;
2. The system makes a log entry when the IE is got from the CCN/CSI queue to be processed by the TA;
3. The system returns an error and stops the scenario execution;
4. There is a checkpoint entry indicating that the specific instance of the IE818 was received out of sequence. The system has registered the scenario as 'fail'.

Post Conditions:

5.3.1.1.3 TC031

			TC031
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010

Requirement(s):	• SUPL28 • SUPL29 • SUPL31 • SUPL32 • SUPL37 • SUPL4 • SUPL43 • SUPL45 • SUPL5 • SUPL53 • SUPL6 • SUPL7 • SUPL8 • SUPL9 • SUPL70 • UC-MOD2-CORE-17 • UC-MOD2-LOG-21 • UC-CMN-VALD-32 • UC-CMN-VALD-39	Other Dependencies:
Test Description:	Execute Scenario in Mode-2 testing: Incorrect message.	

Pre Conditions:

- User logged in TA Mode-2 Testing Remote Console as Mode-2 Testing Remote Operator or the [Removed], Scenario has been set up.

Execution Steps:

1. Select to start a scenario execution that defines that the NEA under test sends the first IE;
2. Send from the NEA under test an IE801 message (that violates its corresponding XSD) to the TA and verify that the message is received by the TA. (Note: The selected scenario should not specify the sending of an incorrect IE);
3. Check the validation results;
4. Verify that the scenario is flagged as failed in the logs of the scenario execution.

Expected Results:

1. The scenario execution starts;
2. The system makes a log entry when the IE is got from the CCN/CSI queue to be processed by the TA;
3. The IE Verification log with the error message displays correctly;
4. The system has registered the scenario as 'fail'.

Post Conditions:

5.3.1.1.4 TC032

			TC032
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL28 • SUPL29 • SUPL31 • SUPL32 • SUPL37 • SUPL4 • SUPL43 • SUPL45 • SUPL5 • SUPL53 • SUPL6 • SUPL7 • SUPL8 • SUPL9 • UC-MOD2-CORE-17 • UC-MOD2-CORE-19 • UC-MOD2-LOG-21 • UC-MOD2-LOG-22 • UC-CMN-VALD-32		Other Dependencies:

Test Description:	Execute Scenario in Mode-2 testing: Incorrect message.

Pre Conditions:

- User logged in TA Mode-2 Testing Remote Console as Mode-2 Testing Remote Operator or the [Removed], Scenario has been set up.

Execution Steps:

1. Select to start a scenario execution that defines that the NEA under test sends the first IE;
2. Send from the NEA under test an IE801 message (that violates its corresponding XSD) to the TA and verify that the message is received by the TA. (Note: The selected scenario should not specify the sending of an incorrect IE introducing an XSD violation but not in the same data item as the one that is sent by the NEA under test);
3. Check the validation results;
4. Verify that the scenario is flagged as failed in the logs of the scenario execution.

Expected Results:

1. The scenario execution starts;
2. The system makes a log entry when the IE is got from the CCN/CSI queue to be processed by the TA;
3. Error data, equivalent to an IE917, is generated;
4. The field by field verification service is enabled. There is a checkpoint entry indicating that the specific instance of the IE801 message failed to be validated against its XSD mentioning the error pointer. The system has registered the scenario as 'fail'.

Post Conditions:

5.3.1.1.5 TC033

			TC033
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL28 • SUPL29 • SUPL31 • SUPL32 • SUPL37 • SUPL4 • SUPL43 • SUPL45 • SUPL5 • SUPL53 • SUPL6 • SUPL7 • SUPL8 • SUPL9 • UC-MOD2-CORE-17 • UC-MOD2-CORE-19 • UC-MOD2-LOG-21 • UC-MOD2-LOG-22 • UC-CMN-VALD-32		Other Dependencies:

Test Description:	Execute Scenario in Mode-2 testing: Incorrect message.

Pre Conditions:

- User logged in TA Mode-2 Testing Remote Console as Mode-2 Testing Remote Operator or the [Removed], Scenario has been set up.

Execution Steps:

1. Select to start a scenario execution that defines that the NEA under test sends the first IE;
2. Send from the NEA under test an IE801 message (that violates its corresponding XSD) to the TA and verify that the message is received by the TA. (Note: The selected scenario should specify the sending of an incorrect IE introducing an XSD violation in the same data item as the one that is sent by the NEA under test);
3. Check the validation results;
4. Verify that the field by field verification service is enabled and check that the scenario proceeds to the following steps.

Expected Results:
1. The scenario execution starts; 2. The system makes a log entry when the IE is got from the CCN/CSI queue to be processed by the TA; 3. The IE Verification log with the error message displays correctly; 4. The field by field verification service is enabled. There is a checkpoint entry indicating that the specific instance of the IE801 message failed to be validated against its XSD mentioning the error pointer that is in agreement to the one mentioned in the scenario.
Post Conditions:

5.3.1.1.6 TC034

			TC034
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL28 • SUPL29 • SUPL31 • SUPL32 • SUPL37 • SUPL4 • SUPL43 • SUPL45 • SUPL5 • SUPL53 • SUPL6 • SUPL7 • SUPL8 • SUPL9 • SUPL70 • UC-MOD2-CORE-17 • UC-MOD2-LOG-21 • UC-CMN-VALD-39		Other Dependencies:
Test Description:	Execute Scenario in Mode-2 testing.		

Pre Conditions:

- User logged in TA Mode-2 Testing Remote Console as Mode-2 Testing Remote Operator or the [Removed], Scenario has been set up.

Execution Steps:
1. Select to start a scenario execution that specifies the exchange of correct message instances; 2. Send from the NEA under test the first message instance to the TA and verify that the message is received by the TA; 3. Check the validation results. Verify that no error data is generated; 4. Verify that the field by field verification service is enabled and check that the scenario execution logs. More specifically verify that: • For every TA role, all messages were sent; • For every TA role all expected messages were received (Expected is considered the pre-defined format of a message exchanged during a scenario execution. The Expected messages are not always uniquely pre-defined for each scenario execution thus TA is able to allow alternative message sequence exchanges within one CTP scenario); • No extra messages were generated by a TA role (for example IE906 or IE917 messages); • No extra messages were received by a TA role, besides the expected messages (as predefined in the script). 5. Verify the scenario execution result.
Expected Results:

1. The scenario execution starts; 2. The system makes a log entry when the IE is got from the CCN/CSI queue to be processed by the TA; 3. No error data is generated; 4. All checks are positive; 5. The field by field verification service is enabled. There are checkpoints indicating that the scenario (scenario name) concluded and all the IEs were exchanged according to the script.
Post Conditions:

5.3.1.1.7 TC035

			TC035
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL37 • SUPL50 • SUPL53		Other Dependencies:
Test Description:	Execute Scenario in Mode-2 testing while field by field service is enabled.		
Pre Conditions: • TA started in Mode-2 Testing.			
Execution Steps:			
1. Select to start a scenario execution that defines that the NEA under test sends an IE; 2. Verify that the field by field verification service is enabled; 3. Examine in the logs that field by field service has been logged.			
Expected Results:			
1. The scenario execution starts; 2. The field by field verification is enabled; 3. The field by field service has been logged.			
Post Conditions:			

5.3.1.1.8 TC036

			TC036
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• UC-MOD2-CORE-17		Other Dependencies:
Test Description:	Execute Scenario in Mode-2 testing while field by field service is enabled.		
Pre Conditions: • TA started in Mode-2 Testing.			
Execution Steps:			
1. Select to start a scenario execution that defines that the NEA under test sends an IE; 2. Verify that the field by field verification service is not enabled; 3. Examine in the logs that no field by field service has been logged.			
Expected Results:			
1. The scenario execution starts; 2. The field by field verification is not enabled; 3. The field by field service has not been logged.			
Post Conditions:			

5.3.1.1.9 TC038

	TC038

[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• UC- MOD1-MMAN-10		Other Dependencies:
Test Description:	Sending of IE934 message in Mode-2 testing (CD Operational Mode): Valid message.		

Pre Conditions:

- TA started in Mode-2 Testing.

Execution Steps:

1. Select to start a scenario execution that defines that the NEA under test sends an IE934;
2. Check that the system attaches in the IE934 the messages that are traced in the repository as identified by:
   The "Message Data" of the IE934 template that indicates the CTP Dataset(s) and the IE template(s) that should be attached to the IE934 message.

Expected Results:

1. The scenario execution starts;
2. The IE934 attaches the messages as identified by the “Message Data” field.

Post Conditions:

5.3.1.1.10 TC077

			TC038
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 03/11/2010
Requirement(s):	• SUPL64 • SUPL65		Other Dependencies:
Test Description:	Number of countries that TA can impersonate per scenario.		

Pre Conditions:

- User logged in TA Mode-2 Testing Remote Console as Mode-2 Testing Remote Operator, preparation for scenario execution.

Execution Steps:

1. Select to view a scenario that TA impersonates more than one country.

Expected Results:

1. Whenever a user has selected to run a scenario in which TA impersonates more than one country, a new combo box will be created, for each new TA country. Each combo box will indicate all countries through a dropdown list that TA can impersonate in a preselected scenario.

Post Conditions:

5.3.1.1.11 TC086

			TC086
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 27/04/2011
Requirement(s):	• SUPL73 • UC-MOD2-MGT- 41		Other Dependencies:
Test Description:	Check ARC service.		

Pre Conditions:

- TA started in (FS2) Mode-2 Migration testing.

Execution Steps:

1. Log on as (FS2) Mode-2 Testing operator;
2. Select to execute a Migration scenario;
3. The NEA sends to TA a non-identical ARC from the first Migration Scenario step.

Expected Results:

1. (FS2) Mode-2 Testing operator logs on successfully; 2. Migration scenario selected and the Migration execution started; 3. The Migration scenario fails due to incorrect ARC value.
Post Conditions:

5.3.1.1.12 TC087

			TC087
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 27/04/2011
Requirement(s):	• SUPL74 • SUPL75 • UC-MOD2-MGT- 40 • UC-MOD2-MGT- 41 • UC-MOD2-MGT- 42		Other Dependencies:
Test Description:	Migration Scenario Setup&Run screen.		
Pre Conditions: • TA started in FS2 Mode-2.			
Execution Steps:			
1. Log on as (FS2) Mode-2 Testing operator; 2. Press the Mode 2 – Configuration&Run tab and select the Migration set up and run page.			
Expected Results:			
1. The (FS2) Mode-2 Testing operator has logged on successfully; 2. (FS2) Mode-2 Testing operator accesses the Migration Scenario Setup&Run screen successfully.			
Post Conditions:			

5.3.1.1.13 TC088

			TC088
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 27/04/2011
Requirement(s):	• SUPL74 • SUPL75 • UC-MOD2-MGT- 40 • UC-MOD2-MGT- 41 • UC-MOD2-MGT- 42		Other Dependencies:
Test Description:	Download button.		
Pre Conditions: • TA started in FS2 Mode-2.			
Execution Steps:			
1. Log on as (FS2) Mode-2 Testing operator; 2. Press the Mode 2 – Configuration&Run tab and select the Migration set up&run page; 3. Press the download button.			
Expected Results:			
1. The (FS2) Mode-2 Testing operator has logged on successfully; 2. (FS2) Mode-2 Testing operator accesses the Migration Scenario Setup&Run screen; 3. P2 messages fully instantiated messages have been downloaded successfully.			
Post Conditions:			

5.3.1.1.14 TC089

			TC089
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 27/04/2011

Requirement(s):	• SUPL75	Other Dependencies:
Test Description:	Set up Migration Scenario.	

Pre Conditions:

- TA started in FS2 Mode-2.

Execution Steps:

1. Select to set up a Migration scenario;
2. Select the business category of test execution;
3. Select the scenario to execute;
4. Select the roles to be played by the NEA under test;
5. Select the dataset to use while testing;
6. The Migration scenario is successfully set up.

Expected Results:

1. The user is provided with a set of specific selections;
2. The selection is successfully recorded;
3. The operation runs successfully;
4. The operation runs successfully;
5. The operation runs successfully;
6. The user set up succesfully the Migration scenario.

Post Conditions:

5.3.1.1.15 TC090

			TC090
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 27/04/2011
Requirement(s):	• SUPL74 • SUPL75 • SUPL73 • UC-CMN-COM-01 • UC-CMN-COM-03 • UC-MOD2-MGT- 40 • UC-MOD2-MGT- 41 • UC-MOD2-MGT- 42 • UC-MOD2-MGT- 43 •		Other Dependencies:
Test Description:	Execute Migration scenario.		

Pre Conditions:

- User logged in TA (FS2) Mode-2 Testing Remote Console as (FS2) Mode-2 Testing Remote Operator or [Removed], Migration Scenario has been set up.

Execution Steps:

1. Select to start a Migration scenario execution;
2. Wait some seconds and verify that all IEs have been removed from the queues that are used for the Migration execution of the specific Migration scenario;
3. Download the P2 fully instatiated messages and follow the exchange of messages on the screen;
4. Go to the scenario Log file and check that the Migration scenario has been logged.

Expected Results:

1. The Migration scenario file is launched from the repository where the Migration scenarios files for the selected business category have been placed;
2. The queues are empty;
3. Actions performed the system are output on the screen and the user is alerted when messages are sent and received;
4. A log file is created in a specific repository, recorded the Migration set up parameters of the Migration scenario execution and created entries in this log file for the deletion of any leftover messages from previous Migration runs.

Post Conditions:

5.3.2 TP6 – Logging and scenario execution

[Removed]		
Test Procedure Name:	Mode 2 - Logging	**TP06**
Description:	These Test Cases check the proper logging of test sessions under the Mode-2 Remote Testing Operation mode.	
Test Cases:	• TC002 – Execute scenario. • TC037 - View results of a test session: View test session logs. • TC039 - View results of a test session: View test session logs. • TC040 - View results of a test session: View summary logs (checkpoints). • TC041 - View the results of scenario executions: View all logged scenario executions. • TC042 - View the results of scenario executions: View the set of scenario executions for a single day. • TC043 - View the results of scenario executions: View the set of scenario executions for a period. • TC044 - View the results of scenario executions: View the scenario content and relevant CTP version. • TC045 - Test View the results of scenario executions: Old scenario content of previous CTP release is displayed. • TC072 - Test session per phase and per mode; • TC078 - Run Time console.	

5.3.2.1 Log and Scenario Execution

5.3.2.1.1 TC002

			TC002
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 01/06/2011
Requirement(s):	• SUPL28 • SUPL29 • SUPL31 • SUPL32 • SUPL37 • SUPL4 • SUPL43 • SUPL45 • SUPL46 • SUPL5 • SUPL53 • SUPL6 • SUPL7 • SUPL8 • SUPL9 • UC-MOD2-CORE-17 • UC-MOD2-LOG-21		Other Dependencies:

Test Description:	Execute Scenario.
Pre Conditions: • User logged in TA Mode-2 Testing Remote Console as Mode-2 Testing Remote Operator or [Removed], Scenario has been setup.	
Execution Steps:	
1. Select to start a scenario execution; 2. Check log to see the log event about flushing the queue; 3. Follow the exchange of messages on the screen; 4. Go to the scenario Log file and check that the scenario has been logged.	
Expected Results:	
1. The scenario file is launched from the repository where the scenarios files for the selected business category have been placed. 2. The queues are empty; 3. Actions performed the system are output on the screen and the user is alerted when messages are sent and received; 4. A log file is created in a specific repository, recorded the setup parameters of the scenario Execution and created entries in his log file for the deletion of any leftover messages from previous runs.	
Post Conditions:	

5.3.2.1.2 TC037

			TC037
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• UC-MOD2-CORE-17		Other Dependencies:
Test Description:	View results of a test session: View test session logs.		
Pre Conditions: • A CTP scenario has been run.			
Execution Steps:			
1. Select the "View results of a test execution" action; 2. Select the save the summary log.			
Expected Results:			
1. The appropriate screen is displayed and the following options are listed: • View test session logs; • View summary logs; 2. The following log data is displayed: • Scenario group/name; • Status; • Completion time stamp • Country;			
Post Conditions:			

5.3.2.1.1 TC039

			TC039
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 01/06/2011
Requirement(s):	• SUPL2 • SUPL36 • UC-MOD2-LOG-23		Other Dependencies:
Test Description:	View results of a test session: View test session logs.		

Pre Conditions:
• A CTP scenario has been run.
Execution Steps:
1. Select the "View results of a test session" action;
Expected Results:
1. The following log data is displayed: • The logs that are created during the initialisation phase of the test session; • The network operations performed; • The messages exchanged (sent or received) during the test session execution in separate files; • The expected message contents; • The comparison results between the expected message and the received message.
Post Conditions:

5.3.2.1.2 TC040

			TC040
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 09/05/2011
Requirement(s):	• SUPL2 • SUPL36 • UC-MOD2-LOG-23		Other Dependencies:
Test Description:	View results of a test session: View summary logs (checkpoints).		

Pre Conditions:
• A CTP scenario has been run.
Execution Steps:
1. Select the "View results of a test session" action; 2. Select the "View summary logs" option; 3. Repeat Step 1; 4. Select the "View summary logs for a specific role" option.
Expected Results:
1. The appropriate screen is displayed; 2. The following log data is displayed: • All information text displayed on the screen; • All message send and receive operations, including reports received; • All errors. 3&4 As per results 1&2.
Post Conditions:

5.3.2.1.3 TC041

			TC041
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL2 • SUPL36 • UC-MOD2-LOG-24		Other Dependencies:
Test Description:	View the results of scenario executions: View all logged scenario executions.		

Pre Conditions:
• A CTP scenario has been run.

Execution Steps:
1. Select the "View the results of scenario executions" action; 2. Select the "Scenarios Executions Results" option; 3. Select to Save the test executions results report.
Expected Results:
1. The appropriate screen is displayed and the following options are listed: • View all logged scenario executions; • View the set of scenario executions for a single day; • View the set of scenario executions for a period. 2. The following log data is displayed: • Scenario execution date and time (starting and ending time); • Scenario outcome diagnosis. 3. The Test Session Report is saved correctly.
Post Conditions:

5.3.2.1.4 TC042

			TC042
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL2 • SUPL36 • UC-MOD2-LOG-24		Other Dependencies:
Test Description:	View the results of scenario executions: View the set of scenario executions for a single day.		
Pre Conditions: • A CTP scenario has been run.			
Execution Steps:			
1. Select the "View the results of scenario executions" action; (Scenarios Execution Results Page) 2. Select the "View the set of scenario executions for a single day" option and provide the desired day; 3. Select to “Save” the test session report.			
Expected Results:			
1. The appropriate screen is displayed and the following options are listed: • View all logged scenario executions; • View the set of scenario executions for a single day; • View the set of scenario executions for a period. 2. The following log data is displayed: • Scenario set-up (dataset, category, role, etc.); • Scenario execution date and time (starting and ending time); • Scenario outcome diagnosis; • User comment entered for the scenario. 3. The report is saved with an automatically generated filename indicating that it is a full session report along with the country and the report creation timestamp.			
Post Conditions:			

5.3.2.1.5 TC043

			TC043
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL2 • SUPL36 • UC-MOD2-LOG-24		Other Dependencies:
Test Description:	View the results of scenario executions: View the set of scenario executions for a period.		

Pre Conditions:
• A CTP scenario has been run.
Execution Steps:
1. Select the "View the results of scenario executions" action; 2. Select the "View the set of scenario executions for period" option and provide the desired day; 3. Select to “Save” the test session report.
Expected Results:
1. The appropriate screen is displayed and the following options are listed: • View all logged scenario executions; • View the set of scenario executions for a single day; • View the set of scenario executions for a period. 2. The following log data is displayed: • Scenario set-up (dataset, category, role, etc.); • Scenario execution date and time (starting and ending time); • Scenario outcome diagnosis; • User comment entered for the scenario. 3. The report is saved with an automatically generated filename indicating that it is a full session report along with the country and the report creation timestamp.
Post Conditions:

5.3.2.1.6 TC044

			TC044
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL2 • SUPL36		Other Dependencies:
Test Description:	View the results of scenario executions: View the scenario content and relevant CTP version.		
Pre Conditions: • A CTP scenario has been run.			
Execution Steps:			
1. Select the "View results of a test session" action; 2. Select the "View test session logs" option; 3. Go to the Scenario logs screen; 4. Check that the scenario is displayed in the Scenario logs screen; 5. Check that the CTP version is displayed.			
Expected Results:			
1. The page is displayed correctly and a search form is displayed; 2. All actions performed by the tested system during the scenario execution are displayed on the screen; 3. The Scenario logs screen is displayed; 4. The scenario is displayed in the Scenario logs; 5. The CTP version is displayed.			
Post Conditions:			

5.3.2.1.7 TC045

			TC045
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL2 • SUPL36		Other Dependencies:
Test Description:	View the results of scenario executions: Old scenario content of previous CTP release is displayed.		

Pre Conditions:
• Scenario 'A' run in CTPv1.x and the session logs have been saved with name "scenario to be updated". Scenario 'A' in CTPv1.x ?has been updated in CTPv1.y.
Execution Steps:
1. Upload CTP release version v1.Y as indicated in "NFUNCT-COM-0001"; 2. Select the "View test session logs" option; 3. Search the session logs of scenario by name "scenario to be updated"; 4. Check that the old scenario is displayed in the Scenario logs screen.
Expected Results:
1. CTP release version v1.Y has been uploaded in TA; 2. All actions performed by the tested system during the scenario execution are displayed on the screen; 3. Session logs of scenario "scenario to be updated" have been found; 4. The logs of session “scenario to be updated” indicate the old content of scenario in CTPv1.x.
Post Conditions:

5.3.2.1.8 TC072

			TC072
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• UC-MOD2-LOG-23 • UC-MOD2-LOG-24 • SUPL61		Other Dependencies:
Test Description:	Test session per phase and per mode.		

Pre Conditions:
• Testing Operator has the access rights to run a test session.
Execution Steps:
1. Start the TA Mode-2 Testing; 2. Go to Mode 2 Configuration&Run; 3. The user has the ability to choose the logs either for FS1 or FS2 for "Test Session Results" or "Scenario Execution Results"; 4. The user selects to view the logs.
Expected Results:
1. For the Mode-2 Testing Remote Operator the following screens are available: • Home; • Operation Mode; • Mode-2 Configruation&Run. 2. The following three subscreens should be displayed: • "Scenario Setup&Run" displays the scenario optionality and TA country. • "Test Results"; • Migration Setup&run; • Non-functional scenarios; • "Restore ArchiUser logged on TA and is able to go with FS2. 3. The user is able to choose the logs either for FS1 or FS2; 4. The user is able to see the log events for FS1 or FS2 according to his/her choice.
Post Conditions:

5.3.2.1.9 TC078

			TC078
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 03/11/2010
Requirement(s):	• SUP66		Other Dependencies:

Test Description:	Run Time console.

Pre Conditions:

- The user has been authenticated to access TA for both Functional stages (FS1 orFS2)

Execution Steps:

1. Logon to TA as TA for FS1 or FS2 Testing Operator;
2. Start a Test Session in Mode-1 or Mode-2 either in FS1 or in FS2;
3. Enable the real time “Run Time console”.

Expected Results:

1. User logged on TA and is able to go with FS1 or FS2;
2. Test Session started in Mode-1 or Mode-2 either in FS1 or in FS2;
3. “Run Time console” monitors in real time the process of a test execution Session in Mode-1 or Mode-2 either in FS1 or in FS2.

Post Conditions:

5.3.3 TP7 – Archiving

[Removed]		
Test Procedure Name:	Mode 2 - Archiving	**TP08**
Description:	This procedure checks the proper archiving of test session results under the Mode-2 Remote Testing Operation mode.	
Test Cases:	• TC046 - Archive scenario execution results in Mode-2. • TC047 - Restore scenario execution results in Mode-2 testing.	

5.3.3.1 Restore Archived Scenario Execution Results

5.3.3.1.1 TC046

			TC046
[Removed] Requirement(s):	Test Mode: Manual • UC-MOD2-CORE-17 • UC-MOD2-LOG-24 • UC-MOD2-ARCH-25	Test Method: Positive	Last Updated: 15/07/2010 Other Dependencies:
Test Description:	Archive scenario execution results in Mode-2 testing.		

Pre Conditions:

- User logged in TA Mode-2 Testing Remote Console as Mode-2 Testing Remote Operator or the [Removed], Scenario has been set up.

Execution Steps:

1. Select to execute a scenario and configure the time interval for archiving so as to include the start/end time of the scenario;
2. Check the results of the scenario execution by viewing the scenario outcome diagnosis;
3. Check that the system automatically archives the records that are contained within the configured period by examining the archive log.

Expected Results:

1. The scenario execution is concluded or failed and the archive time interval is configured;
2. The scenario outcome diagnosis is created;
3. The records are automatically archived.

Post Conditions:

5.3.3.1.2 TC047

			TC047
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• UC-MOD2-ARCH-26 • UC-MOD2-LOG-24		Other Dependencies:
Test Description:	Restore scenario execution results in Mode-2 testing.		

Pre Conditions:

- User logged in TA Mode-2 Testing Remote Console as Mode-2 Testing Remote Operator or the [Removed], Scenario has been set up.

Execution Steps:

1. Go to the scenario executions results screen and select test scenario name as the archived test scenario name;
2. Go to the restore archived test session screen, press search;
3. Select that archived test scenario and press restore;
4. Go back to the scenarios execution results screen.

Expected Results:

1. The test scenario name can not find successfully;
2. Archived test scenario list successfully;
3. The archived test scenario disappears from the table;
4. The test scenario is in the execution results screen.

Post Conditions:

5.3.4 TP8 – Administration

[Removed]		
Test Procedure Name:	Mode 2 - Administration	**TP09**

Description:	This procedure checks the general administration actions under the Mode-2 Remote Testing Operation mode.
Test Cases:	• TC048- Scenario Upload: Valid Scenario-Upload. • TC049 - Scenario Creation: Invalid Scenario-Upload. • TC050 - Scenario Deletion. • TC051 - IE Template Upload: Valid XML file: Unique Name. • TC052 - IE Template Upload: Valid XML file: Not Unique Name. • TC053 - IE Template Deletion. • TC054 - Setup Environment: Instantiation Data Files. • TC055 - Setup Environment: Scenario Execution Parameters. • TC056 - IE Template Upload: Invalid XML file.

5.3.4.1 Set up Test Environment

5.3.4.1.1 TC048

			TC048
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL2 • SUPL26 • SUPL27 • UC-MOD2-ADMN-35		Other Dependencies:
Test Description:	Scenario Upload: Valid Scenario-Upload.		
Pre Conditions: • The [Removed] has logged and the "Main" screen has been displayed.			
Execution Steps:			
1. Select the "Manage Scenarios" action from the "Main" screen; 2. Select to upload a scenario; 3. Locate a valid scenario file in the hard disk and press the "Upload" button; 4. Perform TC068 ("Existing Scenarios" screen) to check if the new scenario has been created; 5. Log off and logon as a Mode-2 Testing Remote Operator; 6. Check the user interface options.			
Expected Results:			
1. The following list of options has been displayed: • Upload a scenario; • Delete a scenario. 2. A browser has been displayed; 3. The scenario is validated syntactically and is registered in the system; 4. The new scenario has been created successfully; 5. Mode-2 Testing Remote Operator is logged in; 6. The user can not select the “Manage Scenario” action.			
Post Conditions:			

5.3.4.1.2 TC049

			TC049
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL2 • UC-MOD2-ADMN-35		Other Dependencies:
Test Description:	Scenario Creation: Invalid Scenario-Upload.		

Pre Conditions:
• The [Removed] has logged and the "Main" screen has been displayed.
Execution Steps:
1. Select the "Manage Scenarios" action from the "Main" screen; 2. Select to upload a scenario; 3. Locate an invalid scenario file in the hard disk and press the "Upload" button; 4. Perform TC068 ("Existing Scenarios" screen) to check if the new scenario has been created.
Expected Results:
1. The following list of options has been displayed: • Upload a scenario; • Delete a scenario. 2. A browser has been displayed; 3. The scenario is validated syntactically and is registered in the system; 4. The new scenario has not been created.
Post Conditions:

5.3.4.1.3 TC050

			TC050
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL2 • UC-MOD2-ADMN-35		Other Dependencies:
Test Description:	Scenario Deletion.		

Pre Conditions:
• The [Removed] has logged into and the "Main" screen has been displayed.
Execution Steps:
1. Select the "Manage Scenarios" action from the "Main" screen; 2. Select to delete a scenario; 3. Locate the scenario in the browser and press the "Delete" button; 4. Perform TC068 ("Existing Scenarios" screen) to check if the scenario exists.
Expected Results:
1. The following list of options has been displayed: • Upload a scenario; • Delete a scenario. 2. A browser has been displayed; 3. he scenario is deleted and a notification for the deletion has been displayed; 4. The deleted scenario doesn't exist.
Post Conditions:

5.3.4.1.4 TC051

			TC051
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL2 • SUPL26 • SUPL27 • SUPL30 • UC-MOD2-ADMN-36		Other Dependencies:
Test Description:	IE Template Upload: Valid XML file: Unique Name.		

Pre Conditions:
• The [Removed] has logged into and the "Main" screen has been displayed.
Execution Steps:

1. Select the "Manage IE Templates" action from the "Main" screen; 2. Select to upload an IE Template; 3. Locate a valid IE Template in the hard disk, press the "Upload" button and select a name that doesn't already exist in the repository; 4. Perform TC063 ("Existing IE Templates" screen) to check if the new template has been uploaded; 5. Logoff and logon as a Mode-2 Testing Remote Operator; 6. Check the user interface options.
Expected Results:
1. The following list of options has been displayed: • Upload IE Template; • Delete IE Template. 2. A browser has been displayed; 3. An IE template is selected; 4. The new template has been uploaded successfully; 5. Mode-2 Testing Remote Operator is logged in; 6. The user cannot select the “Manage IE” action.
Post Conditions:

5.3.4.1.5 TC052

			TC052
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 09/05/2011
Requirement(s):	• SUPL2 • SUPL30 • UC-MOD2-ADMN-36		Other Dependencies:
Test Description:	IE Template Upload: Valid XML file: Not Unique Name.		
Pre Conditions: • The [Removed] has logged and the "Main" screen has been displayed.			
Execution Steps:			
1. Select the "Manage IE Templates" action from the "Main" screen; 2. Select to upload an IE Template; 3. Locate a valid IE Template in the hard disk, press the "Upload" button and select a name that does exist in the repository; 4. Perform TC063 ("Existing IE Templates" screen) to check if the new template has been uploaded.			
Expected Results:			
1. The following list of options has been displayed: • Upload IE Template; • Delete IE Template. 2. A browser window for selecting a template is displayed/pops up.; 3. An IE template is selected; 4. The new template has not been uploaded.			
Post Conditions:			

5.3.4.1.6 TC053

			TC053
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL2 • SUPL30 • UC-MOD2-ADMN-36		Other Dependencies:
Test Description:	IE Template Deletion.		

Pre Conditions:
• The [Removed] has logged and the "Main" screen has been displayed.
Execution Steps:
1. Select the "Manage IE Templates" action from the "Main" screen; 2. Select to delete an IE Template; 3. Locate a valid IE Template in the hard disk, press the "Delete" button; 4. Perform TC063 ("Existing IE Templates" screen) to check if the new template exists.
Expected Results:
1. The following list of options has been displayed: • Upload a scenario; • Delete a scenario. 2. A browser has been displayed; 3. An IE template is deleted and a notification for the deletion has been displayed; 4. The template does not exist.
Post Conditions:

5.3.4.1.7 TC054

			TC054
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL2 • UC-MOD2-ADMN-29		Other Dependencies:
Test Description:	Setup Environment: Instantiation Data Files.		
Pre Conditions:			
• The [Removed] has logged and the "Main" screen has been displayed.			
Execution Steps:			
1. Select to set up the test environment of a Conformance Test session; 2. Select to load a new instantiation data files into the system; 3. Update the configuration for the specified.			
Expected Results:			
1. The following list of options has been displayed: • TA Web Settings; • Instantiation Data; • Archiving Parameters; • CTP upload; • Mode1 Testing Settings. 2. The appropriate screen (for the instantiation data files management) is displayed; 3. The instantiation data files are updated and saved successfully.			
Post Conditions:			

5.3.4.1.8 TC055

			TC055
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL2 • SUPL46 • UC-MOD2-ADMN-29		Other Dependencies:
Test Description:	Setup Environment: Scenario Execution Parameters.		
Pre Conditions:			
• The [Removed] has logged and the "Main" screen has been displayed.			
Execution Steps:			

1. Select to set up the test environment of a Conformance Test session; 2. Select to set the various scenario execution parameters of the test session; 3. Assign the values for these parameters and select to "Save" the result.
Expected Results:
1. The following list of options has been displayed: • Upload a scenario; • Delete a scenario. 2. A screen is displayed that allows the user to update the following generic parameters: • The Default Country; • The default dataset. 3. The new scenario execution parameters are updated and saved successfully.
Post Conditions:

5.3.4.1.9 TC056

			TC056
[Removed] Requirement(s):	Test Mode: Manual • SUPL2 • SUPL30	Test Method: Positive	Last Updated: 15/10/2010 Other Dependencies:
Test Description:	IE Template Upload: Invalid XML file.		
Pre Conditions: • The [Removed] has logged and the "Main" screen has been displayed.			
Execution Steps:			
1. Select the "Manage IE Templates" action from the "Main" screen; 2. Select to upload an IE Template; 3. Locate an invalid IE Template in the hard disk, press the "Upload" button and select a name for it; 4. Perform TC063.			
Expected Results:			
1. The following list of options has been displayed: • Upload IE Template; • Delete IE Template. 2. A browser has been displayed; 3. A notification is displayed to the user to inform him that the template is invalid; 4. The new template has not been uploaded.			
Post Conditions:			

5.3.5 TP11 – Statistics

[Removed]		
Test Procedure Name:	Mode 2 - Statistics	TP11
Description:	This procedure tests the application on scenario statistics.	
Test Cases:	• TC082 - [Removed] searches for Statistics in bars format. • TC083 - [Removed] searches for Statistics in pie format. • TC084 - FS2 Testing Operator searches for Statistics. • TC085 - Search Statistics User Interface.	

5.3.5.1.1 TC082

			TC082
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 27/04/2011
Requirement(s):	• SUPL76 • SUPL77 • SUPL78 • UC-MOD2-STAT-44 • UC-MOD2-STAT-46 • UC-MOD2-STAT-47		Other Dependencies:
Test Description:	[Removed] searches for Statistics in bars format.		

Pre Conditions:

- The user has logged on as [Removed] and views the "Statistics" screen.

Execution Steps:

1. The user selects the starting and ending Date and Time;
2. The user selects all scenarios from the list;
3. The user selects more than one Member States;
4. The user submits the query and waits for the results;
5. Press the print(download) button;
6. Open the downloaded file.

Expected Results:

1. Operation is successful;
2. Operation is successful;
3. Operation is successful;
4. Operation is successful, the results are returned under the search screen and are as follows:
   - The report contains in one diagram as many bars as the number of the selected Member States;
   - The following coloring code applies to all bars:
     - White color for the part of the bar that represents the percentage of the selected subscenarios that have not been run;
     - Blue color for the part of the bar that represents the percentage of the selected subscenarios that have been successfully executed with or without warnings;
     - Red color for the part of the bar that represents the percentage of the selected subscenarios that have failed with or without warnings.

   Additionally, a download button is available for the user.
   Note: The data represented in the bars pertain only to mandatory subscenarios.
5. The statistics report is downloaded in pdf format;
6. The statistics PDF report contains both images and summary execution tables (the data upon which the images were created).

Post Conditions:

5.3.5.1.2 TC083

			TC083
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 27/04/2011
Requirement(s):	• SUPL76 • SUPL77 • SUPL78 • UC-MOD2-STAT-44 • UC-MOD2-STAT-46 • UC-MOD2-STAT-47		Other Dependencies:
Test Description:	[Removed] searches for Statistics in pie format		

Pre Conditions:

- The user has logged on as [Removed] and views the "Statistics" screen.

Execution Steps:

1. The user selects the starting and ending Date and Time;
2. The user selects all scenarios from the list;
3. The user selects more than one Member States;
4. The user selects the pie format;
5. The user submits the query and waits for the results;
6. Press the print(download) button;
7. Open the downloaded file.

Expected Results:

1. Operation is successful;
2. Operation is successful;
3. Operation is successful;
4. Operation is successful;
5. Operation is successful, the results are returned under the search screen and are as follows:
   - A report consisting of three pie graphs per Member State: one for the mandatory, one for the optional, and one for the total amount of subscenarios included in the scenarios selected by the user;
   - The following coloring code applies to all bars:
     - White color for the part of the pie that represents the percentage of the selected subscenarios that have not been run;
     - Blue color for the part of the pie that represents the percentage of the selected subscenarios that have been successfully executed with or without warnings;
     - Red color for the part of the pie that represents the percentage of the selected subscenarios that have failed with or without warnings.

   Additionally, a download button is available for the user;
   Note: For the red and blue part a lighter or a darker shade may appear, depending on the existence of warnings.
6. The statistics report is downloaded in pdf format;
7. The statistics PDF report contains both images and summary execution tables (the data upon which the images were created).

Post Conditions:

5.3.5.1.3 TC084

			TC084
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 27/04/2011
Requirement(s):	• SUPL76 • SUPL77 • UC-MOD2-STAT-44 • UC-MOD2-STAT-45 • UC-MOD2-STAT-47		Other Dependencies:
Test Description:	FS2 Testing Operator searches for Statistics		

Pre Conditions:

- The user has logged on as F2 Testing Operator and views the "Statistics" screen

Execution Steps:

1. The user selects the starting and ending Date and Time;
2. The user selects all scenarios from the list;
3. The user submits the query and waits for the results;
4. Press the print(download) button;
5. Open the downloaded file.

Expected Results:

1. Operation is successful;
2. Operation is successful;
3. Operation is successful, the results are returned under the search screen and are as follows:
   - A report consisting of three pie graphs per Member State: one for the mandatory, one for the optional, and one for the total amount of subscenarios included in the scenarios selected by the user;
   - The following coloring code applies to all bars:
     - White color for the part of the pie that represents the percentage of the selected subscenarios that have not been run;
     - Blue color for the part of the pie that represents the percentage of the selected subscenarios that have been successfully executed with or without warnings;
     - Red color for the part of the pie that represents the percentage of the selected subscenarios that have failed with or without warnings.

   Additionally, a download button is available for the user;
   Note: For the red and blue part a lighter or a darker shade may appear, depending on the existence of warnings.
4. The statistics report is downloaded in pdf format;
5. The statistics PDF report contains both images and summary execution tables (the data upon which the images were created).

Post Conditions:

5.3.5.1.4 TC085

			TC085
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 01/06/2011
Requirement(s):	• SUPL76		Other Dependencies:
Test Description:	Search Statistics User Interface		

Pre Conditions:

- TA started in Mode-2 Testing

Execution Steps:

1. Log on as FS2 Testing Operator in Mode-2 Testing
2. Go to Statistics screen and view the user interface, the user selects all scenarios from the list;
3. Log out from TA and log on again as [Removed] in operation mode;
4. Go to Statistics screen and view the user interface

Expected Results:

1. Operation is successful;
2. Operation is successful, The following fields should be present:
   - Two fields for selecting the starting and ending date and time;
   - A field with the identification of all scenarios;
3. Operation is successful;
4. Operation is successful, The following fields should be present:
   - Two fields for selecting the starting and ending date and time;
   - A field with the identification of all scenarios;
   - A field with all the Member State Names;
   - A field providing two options for graph types: pie and bar.

Post Conditions:

6 Test Cases for Non-Functional Requirements Phase3

6.1 *TP09 - Mode-1 Testing Functionality*

[Removed]		
Test Procedure Name:	Non Functional Mode-1 Testing Functionality	**TP09**
Description:	This procedure checks all technical and usability requirements for Mode-1 Testing functionality that belong to Non Functional Requirements.	
Test Cases:	• TC057 - Operational Modes; • TC058 - Start-up TA Mode-1 Testing in CD operational mode. • TC059 - Instantiation Data Repository – General; • TC060 - "Instantiation Data" screen; • TC061 - "Instantiation Data" screen; • TC062 - Start-up TA Mode-1 Testing in ED operational mode; • TC063 - "Existing IEs" Screen; • TC064 - View Log Events Per Phase; • TC065 - Navigate Main menu of Mode 1.	

6.1.1 Technical Requirements

6.1.1.1.1 TC057

			TC057
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL14 • SUPL16 • SUPL23		Other Dependencies:
Test Description:	Operational Modes.		
Pre Conditions: • TA Mode-1 Testing started.			
Execution Steps:			
1. Start the TA Mode-1 Testing in the Common Domain (CD) operational mode; 2. Investigate the User Interface; 3. Verify the IEs available for testing; 4. Stop and re-start the TA Mode-1 Testing in the External Domain (ED) operational mode. 5. Investigate the User Interface; 6. Verify the IEs available for testing.			
Expected Results:			
1. It is possible to start TA Mode-1 Testing in Common Domain operational mode; 2. Similar interface (common look-and-feel) should be available for the CD and ED mode; 3. ED and CD IEs are available; 4. It is possible to start TA Mode-1 Testing in External Domain operational mode; 5. Same as result for step 2; 6. CD and ED IEs are available.			
Post Conditions:			

6.1.1.1.2 TC058

			TC058
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL13 • SUPL16 • SUPL23		Other Dependencies:
Test Description:	Start-up TA Mode-1 Testing in CD operational mode.		

Pre Conditions:

- No Pre Conditions.

Execution Steps:

1. Start the TA Mode-1 Testing in CD operational mode;
2. Configure the TA test session parameters;
3. Start the test session;
4. Select the role to be played by the TA;
5. Select the role to be played by the NEA.

Expected Results:

1. The TA successfully started in CD operational mode;
2. Message instantiation is enabled and the instantiation parameters are configured;
3. The test session is started;

4&5. The roles for the TA and NEA are selected and TA creates valid ARCs for the messages sent depending on the NEA and TA country ISO.

Post Conditions:

6.1.1.1.3 TC059

			TC059
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL25		Other Dependencies:
Test Description:	Instantiation Data Repository - General.		

Pre Conditions:

- No Pre Conditions.

Execution Steps:

1. Open the "[Removed]" in a text editor;
2. As Mode-1 Operator, go to Instantiation Data Repository screen;
3. Identify the "InstantiationData" node whose <[Removed]> value is the same as the Operator's country ISO – should be already open by TA, the other nodes should be closed;
4. Compare each and every subnodes of this <Instantiation Data> node with the corresponding tag-value pairs in the XML open at step 1.

Expected Results:

1. The CTPInstantiationData.xml opens correctly;
2. Instantiation Data Repository screen displays correctly;
3. The "InstantiationData" node whose <[Removed]> value is the same as the Operator's country ISO – should be already open by TA, the other nodes are closed;
4. All the tags and values are the equal.

Post Conditions:

6.1.1.1.4 TC060

	TC060

[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL25		Other Dependencies:
Test Description:	"Instantiation Data" screen.		

Pre Conditions:

- The TA Mode1 user has logged into the TA Mode-1Testing and the "Main" screen has been displayed.

Execution Steps:

1. Select the "Manage Instantiation Data" action;
2. View the "Existing Instantiation Data" screen, which lists all existing instantiation data in the system.

Expected Results:

1&2. The "Instantiation Data" screen has been displayed at an average response time of (no more than) 3 seconds and a maximum response time of (no more than) 30 seconds.

Post Conditions:

6.1.1.1.5 TC061

			TC061
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL14 • SUPL25 • UC- MOD1-DTM-07		Other Dependencies:
Test Description:	Instantiation Data Repository Update.		

Pre Conditions:

- User in TA Mode-1 Testing : Instantiantion Data Repository.

Execution Steps:

1. Clean TA Mode-1 Testing repository from the CTP messages;
2. Using an operating system tool (e.g. Windows internet explorer), check the TA Mode-1 Testing repository;
3. Upload the CTP file which contains the messages generated by the CTP-I tool into the TA Mode-1 Testing;
4. Start a test session in the TA Mode-1Testing;
5. Load a CTP IE from the repository.

Expected Results:

1. The clean up process completed;
2. All the CTP files have been erased from the TA repository;
3. The new CTP files are correctly extracted in the TA repository;
4. The test session has been loaded and displayed new test session window;
5. An IE has been displayed to the tree structure of TA Mode-1 Testing Interface and has been checked to XSD's verification, Rules & conditions violation and the translation message.

Post Conditions:

6.1.1.1.6 TC062

			TC062
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL13 • SUPL16 • SUPL23		Other Dependencies:
Test Description:	Start-up TA Mode-1 Testing in ED operational mode.		

Pre Conditions:
• TA Mode-1 Testing started.
Execution Steps:
1. Start the TA Mode-1 Testing in ED operational mode; 2. Configure the TA so that message instantiation is enabled and the instantiation parameters are configured; 3. Start the test session; 4. Select the role to be played by the NEA, TA role assigned based on the role of NEA.
Expected Results:
1. The TA successfully started in ED operational mode; 2. Message instantiation is enabled and the instantiation parameters are configured; 3. The test session is started; 4. The roles for the TA and NEA are assigned successfully.
Post Conditions:

6.1.1.1.7 TC063

			TC063
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):			Other Dependencies:
Test Description:	"Existing IEs" Screen.		
Pre Conditions:			
• The [Removed] has logged into the TA Mode-1 Testing and the "Main" screen has been displayed.			
Execution Steps:			
1. Select the "Data management" -> " IE repository update" -> " Edit an IE" action; 2. Search in the "Existing IEs" screen, which lists all existing IE data in the system.			
Expected Results:			
1&2. The "Existing IEs" screen has been displayed at an average response time of (no more than) 3 seconds and a maximum response time of (no more than) 30 seconds.			
Post Conditions:			
1&2. The "Existing IEs" screen has been displayed at an average response time of (no more than) 3 seconds and a maximum response time of (no more than) 30 seconds.			
Post Conditions:			

6.1.2 Usability Requirements

6.1.2.1.1 TC064

			TC064
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 09/05/2011
Requirement(s):	• SUPL59 • UC- MOD1-LOG-31		Other Dependencies:
Test Description:	View Log Events Per Phase.		
Pre Conditions:			
• Login as Operator having both FS1 and FS2 permissions. A Test Session has been run in FS1 (Mode1) and another Test Session has been run in FS2 (Mode1) by the same Operator". AadReferenceCode.			
Execution Steps:			

1. For each FS as selected from the Menu, perform the following steps;
2. Go to Mode 1 Configuration&Run;
3. Go to View Log Events;
4. The user selects to view the log events in FS1;
5. The user selects to view the log events in FS2.

Expected Results:

1. For the Mode-1 Testing Remote Operator the following screens are available:
   - Home;
   - Operation Mode;
   - Mode-1 Configuration&Run;
   - Data Management.
2. The following three screens should be displayed:
   - Test Session Configuration;
   - Test Execution Control Screen;
   - View Log Events.
3. The user is only able to see the log events from the Test Session/s ran in the FS specified currently in the Menu;
4. The user is able to see the log events for EMCS FS1;
5. The user is able to see the log events for EMCS FS2.

Post Conditions:

6.1.2.1.2 TC065

			TC065
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL60		Other Dependencies:
Test Description:	Navigate Main menu of Mode 1.		

Pre Conditions:

- TA started in Mode-1 Testing.

Execution Steps:

1. Start the TA Mode-1 Testing;
2. Go to “Mode 1 Configuration&Run”;
3. Go to “Data Management”;
4. Go to IE repository Update.

Expected Results:

1. For the Mode-1 Testing Remote Operator the following screens are available:
   - "Home";
   - "Operation Mode";
   - "Mode-1 Configuration&Run";
   - "Data Management".
2. The following three screens should be displayed:
   - "Test Session Configuration”;
   - “Test Execution Control Screen “;
   - “View Log Events”.
3. The following three screens should be displayed:
   - “Instantiation Data Repository”;
   - “Reference Data Update”;
   - “IE repository update”.
4. The following three screens should be displayed.
   - “Add/Create an IE”;
   - “Edit an IE”;
   - “Delete an IE”.

Post Conditions:

6.2 *TP10 - Mode-2 Testing Functionality*

[Removed]		
Test Procedure Name:	Non Functional Mode-2 Testing Functionality	**TP10**
Description:	This procedure checks all Usability, Security and Technical requirements for Mode-2 Testing functionality that belong to Non Functional Requirements.	
Test Cases:	• TC066 - Web-Based Interface for TA: SSL communication; • TC067 - Web-Based Interface for TA: SQL Avoidance; • TC068 - "Existing IE Templates" screen; • TC069 - User Interface Language; • TC070 - Check that the selected TA country and CTP NF Scenarios ID is displayed at the moment a non functional CTP scenario is executed; • TC071 - Home Page Navigation; • TC073 - Configuration of TA country for non functional scenarios; • TC074 - Navigate Main menu of Mode 2; • TC075 - Quick CTP upload in TA. • TC003 – Performance test.	

6.2.1 Security Requirements

6.2.1.1.1 TC066

			TC066
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL47		Other Dependencies:
Test Description:	Web-Based Interface for TA: SSL communication.		
Pre Conditions: • The user has been authenticated to access the TA.			
Execution Steps:			
1. Logon to the TA as TA Mode-2 Testing Operator; 2. View web interface; 3. Logoff.			
Expected Results:			
1. User logged on to the web-application; 2. The Web browser indicates that an SSL connection has been established (e.g. Internet Explorer displays a lock icon in the status bar); 3. Logged off.			
Post Conditions:			

6.2.1.1.2 TC067

			TC07
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010

Requirement(s):	• SUPL49	Other Dependencies:
Test Description:	Web-Based Interface for TA: SQL Avoidance.	

Pre Conditions:

- The user has been authenticated to access the TA.

Execution Steps:

1. Logon to the TA as TA Mode-2 Testing Operator;
2. Navigate through web interface and enter a SQL “UPDATE” statement in the text fields;
3. Logoff.

Expected Results:

1. User logged on to a web-application;
2. The SQL updates are ignored by the TA;
3. Logged off.

Post Conditions:

6.2.2 Usability Requirements

6.2.2.1.1 TC068

			TC068
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/10/2010
Requirement(s):	• SUPL33 • SUPL34 • SUPL35 • SUPL39		Other Dependencies:
Test Description:	"Existing Templates" screen.		

Pre Conditions:

- The [Removed] has logged into the TA Mode-2 Testing and the "Main" screen has been displayed.

Execution Steps:

1. Select the “Scenario Setup&Run” action;
2. Search in the "Scenario Selection" screen, which lists all existing scenarios in the system

Expected Results:

1&2. The “Existing Secenario Templates” screen has been displayed at an average response time of (no more than) 3 seconds and a maximum response time of (no more than) 30 seconds.

Post Conditions:

Repeat it for scenarios.

6.2.2.1.2 TC069

			TC069
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL44		Other Dependencies:
Test Description:	User Interface Language.		

Pre Conditions:

- TA started in TA Mode-2 Testing.

Execution Steps:

1. Logon as [Removed]; 2. Navigate through the Web Interface; 3. Logoff; 4. Logon as Mode-2 Testing Remote Operator; 5. Repeat Steps 2-3.
Expected Results:
1. The [Removed] is successfully logged on; 2. The User Interface is in English language; 3. The user is successfully logged off; 4. The Mode-2 Testing Remote Operator is successfully logged on; 5. As per results 2-3.
Post Conditions:

6.2.2.1.3 TC070

			TC070
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL46 • SUPL54		Other Dependencies:
Test Description:	Check that the selected TA country and CTP NF Scenarios ID is displayed at the moment a non functional CTP scenario is executed.		
Pre Conditions: • TA started in Mode-2 Testing.			
Execution Steps:			
1. Go to the non functional CTP scenario execution page.			
Expected Results:			
1. User has navigated in the non functional CTP scenario execution page， the selected TA country and CTP non functional Scenarios ID are displayed.			
Post Conditions:			

6.2.2.1.4 TC071

			TC071
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL58		Other Dependencies:
Test Description:	Home Page Navigation.		
Pre Conditions: • The user has been authenticated to access the TA for both FS1 and FS2.			
Execution Steps:			
1. Logon to TA as TA for EMCS FS1; 2. Logon to TA as TA for EMCS FS2.			
Expected Results:			
1. User logged on TA and is able to go with FS1; 2. User logged on TA and is able to go with FS2.			
Post Conditions:			

6.2.2.1.5 TC073

			TC073
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010

Requirement(s):	• SUPL46 • SUPL54 • UC-MOD2-CORE-17	Other Dependencies:
Test Description:	Configuration of TA country for non functional scenarios.	

Pre Conditions:

- TA started in Mode-2 Testing.

Execution Steps:

1. Go to the non functional CTP scenario execution page;
2. Choose the role that the TA will play during the execution of the NF scenarios.

Expected Results:

1. User has navigated in the non functional CTP scenario execution page;
2. The TA plays the country that the user has selected.

Post Conditions:

6.2.2.1.6 TC074

			TC074
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010
Requirement(s):	• SUPL62		Other Dependencies:
Test Description:	Navigate Main menu of Mode 2.		

Pre Conditions:

- TA started in Mode-2 Testing.

Execution Steps:

1. Start the TA Mode-2 Testing;
2. Go to Operation Mode Screen;
3. Go to Test Results screen.

Expected Results:

1. For the Mode-2 Testing Remote Operator the following screens should be displayed:
   - "Home";
   - "Operation Mode";
   - "Mode-2 Configuration&Run";
   - “Documents”;
   - “Conformance Statistics”.
2. By choosing the Mode 2 Configuration&Run Screen the following four screens should be displayed:
   - Scenario Setup&Run;
   - “Test Results”;
   - “Restore Archived Test Sessions”;
   - “Non Functional CTP Scenario”.
3. The following two subscreens should be displayed:
   - “Test Session Results”;
   - “Scenario Execution Results”.

Post Conditions:

6.2.1 Installation procedure

6.2.1.1.1 TC075

			TC075
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/07/2010

Requirement(s):		Other Dependencies:
Test Description:	Quick CTP upload in TA.	

Pre Conditions:

- A new CTP release is available.

Execution Steps:

1. Copy the updated xsds in the relevant directory;
2. Copy the updated templates, scenarios and instantiation data exported from the CTP database you want to upload in the relevant directory;
3. Run the "Quick upload" script and check the status in the console and in the log files.

Expected Results:

1. The updated XSDs have been copied in the specified directory;
2. The updated templates, scenarios and instantiation data that have been exported from the CTP database have been copied from the specified directory;
3. The specific CTP database has been uploaded in TA.

Post Conditions:

6.2.1.1.2 TC003

			TC075
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 16/10/2010
Requirement(s):			Other Dependencies:
Test Description:	Performance test.		

Pre Conditions:

- New code package is prepared.

Execution Steps:

1. Got to directory /pdf;
2. Run script as "[Removed]";
3. Check the nohup.out file in the /pdf directory.

Expected Results:

1. The directory display correctly;
2. The script run successfully without error;
3. No error message in nohup.out file and there are output like:
   "samples: 50
   max: 3202
   average: 1314.96
   median: 1103".

Post Conditions:

7 Test Cases for Functional Requirements Phase2

7.1 *Common Functionality*

7.1.1 TP1 – Validations

[Removed]		
Test Procedure Name:	Validations	**TP01**

Description:	This procedure tests the ability of the application on syntactic validation on the messages.
Test Cases:	• TC003 - This Test Case validates syntactically invalid messages against their corresponding XSDs (DDNEA[R4]). • TC004 - This Test Case validates syntactically VALID messages against their corresponding XSDs (DDNEA[R4]).

7.1.1.1 Syntax Validation

7.1.1.1.1 TC003

			TC003
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 09/04/2009
Requirement(s):	• UC-CMN-VALD-32 • SUPL53		Other Dependencies: UC-MOD1-MMAN-11 UC-MOD1-MMAN-12 UC-MOD1-DTM-33 UC-MOD1-DTM-09
Test Description:	This Test Case validates syntactically invalid messages against their corresponding XSDs (DDNEA [R4]).		

Pre Conditions:

- Invalid messages IE701, IE702, IE801, IE802, IE810, IE813, IE815, IE818, IE821, IE837, IE904, IE905, IE906, IE917 exist in the IE Repository.
- The user must be authenticated to access the TA as “Mode-1 Testing Remote Operator”.

Execution Steps:

Execute the Test Case using all the following messages: IE701, IE702, IE801, IE802, IE810, IE813, IE815, IE818, IE821, IE837, IE904, IE905, IE906 and IE91

1. Upload INVALID IE message from the Repository with one of the following violations on the message syntax:
   - A required field is missing;
   - A field type/size is incorrect;
   - A code is not part of a technical codelist;
   - The root node element is invalid;
   - Do not provide an ARC;
   - Do not provide an $[REMOVED]$ in IE818 Dataset H and IE801 Dataset H.

Expected Results:

1. The tested system finds the content of the message invalid against the corresponding XSD. The tested system displays a text message on the screen, indicating the syntactic validation failure, together with the syntactic error data.

Post Conditions:

Repeat test case for all six cases of execution step 1.

7.1.1.1.2 TC004

			TC004
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 08/04/2009
Requirement(s):	• UC-CMN-VALD-32		Other Dependencies: UC-MOD1-MMAN-11 UC-MOD1-MMAN-12 UC-MOD1-DTM-33 UC-MOD1-DTM-09
Test Description:	This Test Case validates syntactically VALID messages against their corresponding XSDs (DDNEA [R4]).		

Pre Conditions:

- Valid messages IE701, IE702, IE801, IE802, IE810, IE813, IE815, IE818, IE821, IE837, IE904, IE905, IE906 and IE917 exist in the IE Repository.
- The user must be authenticated to access the TA as “Mode-1 Testing Remote Operator”.

Execution Steps:

Execute the Test Case using all the following messages: IE701, IE702, IE801, IE802, IE810, IE813, IE815, IE818, IE821, IE837, IE904, IE905, IE906 and IE917.

1. Upload a VALID IE message from the Repository;
   - Ensure that the IE message is a well formed XML file;
   - The tested system validates the message syntactically by checking its compliancy with the corresponding XSD;
   - The tested system validates the message structure, checks for any missing elements as well as for any field type and size violations;
   - The tested system checks for validation of the technical codelist.
2. Check that the tested system provides a report of the validation with the relevant results included.

Expected Results:

1. The message with the particular pre-requisites is loaded correctly;
2. The tested system confirms the compliancy of the message against the corresponding XSD.

Post Conditions:

7.1.2 TP2 – Communication

[Removed]		
Test Procedure Name:	Communication	**TP02**
Description:	This procedure checks the proper message exchange on common functionality.	
Test Cases:	• TC006 - The purpose of this Test Case is to send an IE message to the CD with communication error. • TC010 - The tested system gets the status "SUBMITTED" of a submitted message. An agent can follow up the status of the message by supplying to the tested system the message identification information. • TC011 - The tested system gets the status "ARRIVED" of a submitted message. An agent can follow up the status of the message by supplying to the system the message identification information. • TC012 - The tested system gets the status "DELIVERED" of a submitted message. An agent can follow up the status of the message by supplying to the system the message identification information. • TC013 - The tested system gets the status "EXPIRED" of a submitted message. An agent can follow up the status of the message by supplying to the tested system the message identification information. • TC014 - The tested system gets the status "ERROR" of a submitted message. An agent can follow up the status of the message by supplying to the tested system the message identification information. • TC018 - The tested system receives asynchronously reports from CCN and updates the status of the submitted messages.	

7.1.2.1 Send Message

7.1.2.1.1 TC006

			TC006
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 08/04/2009
Requirement(s):	• UC-CMN-COM-01		Other Dependencies: UC-MOD1-MMAN-11
Test Description:	The purpose of this Test Case is to send an IE message to the CD with communication error.		

Pre Conditions:

- IE Common EMCS Message exist in the IE Repository;
- The user must be authenticated to access the TA as “Mode-1 Testing Remote Operator”.
- Communication with CCN/CSI is not established.

Execution Steps:

Execute the Test Case using all the following messages: Common EMCS message.

1. Cause a network error. (For example disconnect the port daemon);
2. Log in to the tested system as “Mode-1 Testing Remote Operator”;
3. Start the TA Mode-1 Testing in CD operational mode;
4. Start the test session;
5. Select the role to be played by the TA and NEA;
6. Open the IE repository and select a valid IE message, update the content of the message and press the "Send" button;
7. Examine in the logs if the IE Message was sent to the NEA under test.

Expected Results:

1. The network error has been produced;
2. The user has logged in successfully;
3. The TA mode-1 testing started;
4. The test session is started;
5. The roles for the TA and NEA are selected;
6. The IE message is successfully loaded. A pop-up appears indicating that “Your message is being processed”;
7. The taweb-tech.log file contains an entry indicating the communication problem due to network connection reasons.

Post Conditions:

7.1.2.2 Get Status of Submitted Message

7.1.2.2.1 TC010

			TC010
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• UC-CMN-COM-02		Other Dependencies: UC-CMN-COM-01
Test Description:	Test that TA can retrieve the status "SUBMITTED" of a submitted message and informs the user.		
Pre Conditions: A Submitted IE message has been sent from TA.			
Execution Steps:			
1. Connect to the TA database and from "Views" select the "AFC_STAT_HIST_VW"; 2. Verify that the status of the message is the appropriate.			
Expected Results:			
1. The "Views" is indicated successfully; 2. The status of the message is correct.			
Post Conditions:			

7.1.2.2.2 TC011

			TC011
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• UC-CMN-COM-02		Other Dependencies: UC-CMN-COM-01
Test Description:	Test that TA can retrieve the status “ARRIVED” of a submitted message and informs the user.		
Pre Conditions: • An IE message has been sent;			
Execution Steps:			
1. Connect to the TA database and from "Views" select the "AFC_STAT_HIST_VW"; 2. Verify that the status of the message is the appropriate.			
Expected Results:			
1. The "Views" is indicated successfully; 2. The status of the message is correct.			
Post Conditions:			

7.1.2.2.3 TC012

			TC012
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 24/07/2009
Requirement(s):	• UC-CMN-COM-02		Other Dependencies: UC-CMN-COM-01
Test Description:	Test that TA can retrieve the status “DELIVERED” of a submitted message and informs the user.		
Pre Conditions: • An IE message has been sent;			
Execution Steps:			

1. Log in to the tested system as “Mode -2 Testing Operator”; 2. Go to “Operation Mode” and select “Mode 2 Testing”; Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run”; 3. Select AP-07_2.xml scenario and press the “start” button in order to start the scenario execution; 4. Using an appropriate tool browse the report queue; 5. Connect to the TA database and from "Views" select the "AFC_STAT_HIST_VW"; 6. Verify that the status of the message is the appropriate.
Expected Results:
1. The user has logged in successfully; 2. All pages are displayed successfully; 3. The scenario has started and has completed successfully; 4. The report queue contains all reports for the messages. The report is one COD.xml message. 5. The "Views" is indicated successfully; 6. The status of the message is correct.
Post Conditions:

7.1.2.2.4 TC013

			TC013
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 09/05/2011
Requirement(s):	• UC-CMN-COM-02		Other Dependencies: UC-CMN-COM-01
Test Description:	Test that TA can retrieve the status “EXPIRED” of a submitted message and informs the user.		
Pre Conditions: An Expired IE message IE701, IE702, IE801, IE802, IE810, IE813, IE815, IE818, IE821, IE837, IE904, IE905 has been already sent			
Execution Steps:			
1. Edit/[Removed].properties and set the [Removed].lifetime to a lower value e.g. 10. This means that each time TA will send a message to CCN, the expiration time declared will be of 10 * 10 seconds = 100 seconds. Re-build and re-deploy TA; 2. Open a Test Session in Mode-1 and send a message from TA to NEA; 3. Wait for at least 100 seconds, run the nea tool for the current NEA country. "NEA" will try to access the appropriate queues and retrieve the message sent by TA. However, this message is expired. As a result, CCN will send a CO_EXP to TA (this report is sent when an application, in your case nea tool, is trying to retrieve an expired message). 4. Check for the EXPIRED status in the DB with sql script in sqlplus or with any GUI tool; 5. Reset the [Removed].lifetime to initial value (3600). Re-build and re-deploy.			
Expected Results:			
1. TA application started correctly; 2. Test session started correctly; 3. Command ran successfully; 4. The record was found in the DB; 5. TA application re-build and re-deploy successfully.			
Post Conditions:			

7.1.2.2.5 TC014

			TC014
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 01/06/2011
Requirement(s):	• UC-CMN-COM-02		Other Dependencies: UC-CMN-COM-01 TC006

Test Description:	Test that TA can retrieve the status “ERROR” of a submitted message and informs the user.
Pre Conditions: An invalid IE message IE701, IE702, IE801, IE802, IE810, IE813, IE815, IE818, IE821, IE837, IE904 and IE905 has been sent.	
Execution Steps:	
1. Execute TC006; 2. The tested system checks the input parameters.	
Expected Results:	
1. The tested system retrieves the status of the message with the given identification; 2. The tested system returns the status “ERROR” of the message with the given identification.	
Post Conditions:	

7.1.2.3 Receive Reports

7.1.2.3.1 TC018

			TC018
[Removed]	Test Mode:	Test Method: Positive/Negative	Last Updated: 26/02/2009
Requirement(s):	• UC-CMN-COM-04		Other Dependencies:
Test Description:	The tested system receives asynchronously reports from CCN and updates the status of the submitted messages.		
Pre Conditions:			
Execution Steps:			
1. Logon to the application and execute two scenarios that require TA sending messages; 2. After scenarios execution, check for the sent messages the statuses as per TC011, TC012.			
Expected Results:			
1. Messages have been exchanged successfully; 2. The messages histories contain ARRIVED and DELIVERED statuses (if these are the reports expected).			
Post Conditions:			

7.2 *Mode-1 Testing Functionality*

7.2.1 TP3 – Logging

[Removed]		
Test Procedure Name:	Mode 1 - Logging	**TP03**
Description:	This procedure checks the application on logging IE transaction during Mode-1 Testing	
Test Cases:	• TC023 - Test that the Mode-1 Remote testing user is able to view the IE verification events of Mode 1 Testing. • TC024 - Test that the Mode-1 Remote testing user is able to view the IE received events of Mode 1 Testing. • TC025 - Test that the Mode-1 Remote testing user is able to view the IE sent events of Mode 1 Testing.	

7.2.1.1 View Log Events

7.2.1.1.1 TC023

			TC023
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/05/2009
Requirement(s):	• UC-MOD1-LOG-31 • SUPL10 • UC-MOD1-LOG-05		Other Dependencies:
Test Description:	Test that the Mode-1 Remote testing user is able to view the IE verification events of Mode 1 Testing.		

Pre Conditions:

- The user must be authenticated to access the TA;
- A test session has been executed.

Execution Steps:

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Select the "View Log Events" action;
3. Select the "IE Verification Log Event" option.

Expected Results:

1. The user has logged in successfully;
2. The appropriate screen is displayed and the following options are listed:
   - IE Sent Log Event;
   - IE Received Log Event;
   - IE Verification Log Event.
3. The following log data is displayed:
   - The IE that was sent/received;
   - The overall outcome of the verification (correct or errors found);
   - An indication of the kind of error, namely:
     - Error during message structure verification;
     - Error during Value Format verification;
     - Error during Codelist verification;
     - Error during Excise Office and Trader verification;
     - Error during Rules and Conditions verification.
   - The location of the error detailed by the data-item or data group and underlying data-groups.

Post Conditions:

7.2.1.1.2 TC024

			TC024
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/05/2009
Requirement(s):	• UC-MOD1-LOG-31 • UC-MOD1-LOG-05		Other Dependencies: UC-MOD1-MMAN-12 UC-MOD1-MMAN-11
Test Description:	Test that the Mode-1 Remote testing user is able to view the IE received events of Mode 1 Testing.		

Pre Conditions:

- The user must be authenticated to access the TA;
- A test session has been executed.

Execution Steps:
1. Log in to the tested system as “Mode-1 Testing Remote Operator”; 2. Select the "View Log Events" action; 3. Select the "IE Received Log Event" option.
Expected Results:
1. The user has logged in successfully; 2. The appropriate screen is displayed and the following options are listed: • IE Sent Log Event; • IE Received Log Event; • IE Verification Log Event. 3. The following log data is displayed: • Receive command parameters; • Date and time of receiving.
Post Conditions:

7.2.1.1.3 TC025

			TC025
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/05/2009
Requirement(s):	• UC-MOD1-LOG-31 • UC-MOD1-LOG-05		Other Dependencies:
Test Description:	Test that the Mode-1 Remote testing user is able to view the IE sent events of Mode 1 Testing.		

Pre Conditions:

- The user must be authenticated to access the TA;
- A test session has been executed.

Execution Steps:
1. Log in to the tested system as “Mode-1 Testing Remote Operator”; 2. Select the "View Log Events" action; 3. Select the "IE Sent Log Event" option.
Expected Results:
1. The user has logged in successfully; 2. The appropriate screen is displayed and the following options are listed: • IE Sent Log Event; • IE Received Log Event; • IE Verification Log Event. 3. The following log data is displayed: • The name of the IE selected from the repository; • The IE in XML format. This representation will contain any manual changes applied; • Any parameter of the send command; • Date and time of sending; • The Instantiation data used.
Post Conditions:

7.2.2 TP4 - Data Management

[Removed]		
Test Procedure Name:	Mode 1 - Data Management	**TP04**
Description:	This procedure tests the application on validation and handling of IE messages and instantiation data on the repository.	
Test Cases:	• TC001 - This Test Case verifies that TA is able to validate semantically the business content of VALID messages against Business Rules, DDNEA [R4] Rules, Technical Rules, Conditions and Business Codelists. • TC026 – Test that the user is able to edit a country's instantiation data in the instantiation data repository. • TC027 – Test that the user is able to add a country's instantiation data in the instantiation data repository. • TC028 – Test that the user is able to delete a country's instantiation data in the instantiation data repository. • TC029 – Test that the user is able to update Reference Data (IE 713) • TC030 – Test that the tested system validates the XML files received during the update of Reference Data. (IE 713) • TC031 – Test that the user is able to update Reference Data. (IE 931) • TC032 – Test that the tested system validates the XML files received during the update of Reference Data. (IE 931). • TC033 – Test that the user is able to update Reference Data. (IE 734). • TC034 – This Test that the tested system validates the XML files received during the update of Reference Data (IE 734). • TC036 – Test that the user is able to upload a new IE. • TC037 – Test that the user is unable to upload a non-existing IE. • TC038 – Test that the tested system performs syntactic validation on the messages uploaded through the "Upload a new IE" functionality. • TC039 – Test that the tested system performs a check on the unique naming on the messages uploaded through the "Upload a new IE" functionality. • TC040 – Test that the Mode-1 Testing Remote Operator user is able to clone an IE. • TC041 – Test that the user is able to create an IE from template. • TC042 – Test that the user is able to edit an IE. • TC043 – Test that the user is able to delete an IE. • TC151 –Test the Relaxation of the validation of the link between Consignor (Authorised Warehouse Keeper) and place of Dispatch (Tax warehouse). • TC155 –TA update of the C045 condition.	

7.2.2.1 Semantic Validation

7.2.2.1.1 TC001

			TC001
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 08/04/2009
Requirement(s):	• UC-CMN-VALD-15		Other Dependencies: UC-MOD1-MMAN-11 UC-MOD1-MMAN-12
Test Description:	This Test Case validates semantically the business content of VALID messages against Business Rules, DDNEA [R4] Rules, Technical Rules, Conditions and Business Codelists.		

Pre Conditions:

- Valid IE701, IE702, IE801, IE802, IE803, IE810, IE813, IE815, IE818, IE821, IE837, IE904, IE905, IE906 and IE917 messages exist in the IE repository.
- The user must be authenticated to access the TA as “Mode-1 Testing Remote Operator”.

Execution Steps:

Execute the Test Case using all the following messages: IE701, IE702, IE801, IE802, IE803, IE810, IE813, IE815, IE818, IE821, IE837, IE904, IE905, IE906 and IE917.

1. Load a valid IE message from the repository;
2. The tested system checks and confirms the validity of the valid message content against all of the applicable DDNEA [R4] Rules, Technical Rules, Conditions and Business Codelists.

Expected Results:

1. The tested system returns a “TRUE” value to the calling agent as an indication of the successful semantic validation;
2. The calling agent has been notified of the semantic validation success.

Post Conditions:

7.2.2.1.2 TC151

			TC151
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 01/03/2010
Requirement(s):			Other Dependencies: UC-MOD1-LOG-31
Test Description:	Relaxation of the validation of the link between Consignor (Authorised Warehouse Keeper) and place of Dispatch (Tax warehouse).		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Prepare IE815(select an IE815 XML file to be used in an ED exchange in Mode-1 for MSA.-xx-, e.g.GR) as follows: a) Note that value in IE815 tag. [Removed]Is same as value in IE713 tag as below. <[Removed]> which has the <[Removed]> b) Note that value in IE815 tag. [Removed] Is same as value in IE713 tag as below. <[Removed]> which has the <[Removed]> c) Value in IE815 tag, select the previous/next <[Removed]> entry with a Different from one above but belonging to the same country –xx-should be same as value in IE713 tag as below. [Removed] d) Replace the old value from IE815 tag. Value from IE713. <[Removed]> value of the new <[Removed]> 2. Log in to the tested system as “Mode-1 Testing Remote Operator”; 3. Upload all the reference data (IE713, IE734, IE931) for the Operator’s country; 4. Upload the IE815 prepared above in TA from the UploadIE Screen using the appropriate description entries (i.e. Sender Role: Consignor, Sender Country: -xx-, Receiver Role: MSA of Dispatch, Receiver Country: -xx-); 5. Load the prepared IE815 using the Search frame in the Test Execution Control Screen; 6. Send the IE815 by pressing the Send button; 7. From the View Log Events Screen, identify the IE Verification Log Event.
Expected Results:
1. IE815 is created successfully as given in steps 1a), b), c), d) and file is saved properly 2. The user has logged in successfully; 3. Reference data are loaded successfully; 4. IE815 is uploaded successfully from UploadIE Screen; 5. Click “Start” to start the session and then click ” Send”; 6. Notification should be received referring to the fact that the IE815 to be sent is semantic invalid; continue the send process; 7. In the log, no semantic invalid error related to R044 should be issued.
Post Conditions:

7.2.2.1.3 TC155

			TC155
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 01/03/2010
Requirement(s):			Other Dependencies: UC-MOD1-LOG-31
Test Description:	TA update of the C045 condition		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			

1. Prepare an IE801 as follows and save the file. Prepare an instantiated IE801 XML file to be used in an CD exchange in Mode-1. Make sure that the value of </[Removed]> is 4 and that the <[Removed]> is followed by a <[Removed]> tag with the value “AD” i.e. …… <ie: [Removed]> <ie: [Removed]>4</ie: [Removed]> 2. Login as Mode-1 Operator; 3. Ensure that all reference data (IE713, IE734, IE931) has been uploaded for the Operator’s country; 4. Upload the IE801 prepared above in TA from the UploadIE Screen using the appropriate description entries (i.e. Sender Role: MSA of Dispatch, Receiver Role: MSA of Destination); 5. Start a new Test Session in Mode-1 with the following settings: CD, NEA is MSA of Destination; 6. Load the prepared IE801 using the Search frame in the Test Execution Control Screen;(if cannot upload it, then try to put the tag in one single line; Example <ie: [Removed]><ie: [Removed]>4</ie:……. 7. Send the IE801 by pressing the Send button; 8. Check the log.
1. IE801 is created; 2. The user has logged in successfully; 3. All reference data are uploaded; 4. IE801 is uploaded; 5. Test session is started; 6. IE801 can be searched in the Test Execution Control screen; 7. A notification should be received referring to the fact that the IE801 to be sent is semantic invalid; continue the send process; 8. From the View Log Events Screen, no semantic invalid error related to C045 should be issued.
Post Conditions:

7.2.2.2 Instantiation Data Repository Update

7.2.2.2.1 TC026

			TC026
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 26/02/2009
Requirement(s):	• UC-MOD1-DTM-07 • SUPL25		Other Dependencies:
Test Description:	Test that the user is able to edit a country’s instantiation data in the instantiation data repository.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
1. Log in to the system as “Mode-1 Testing Remote Operator”; 2. Select the "Instantiation Data Repository" action from the “Data Management" in the main screen; 3. You can edit the instantiation data by left-clicking in it; 4. Click to edit the country’s instantiation data and press the "Save" button; 5. Select the "Instantiation Data Repository" action again; 6. View the changed data in the system.			
Expected Results:			

1. The user has logged in successfully;
2. The "Instantiation Data" screen has been displayed at an average response time of (no more than) 3 seconds and a maximum response time of (no more than) 30 seconds;
3. The available instantiation data files are listed in order to allow the user to select the one that is to be edited;
4. The instantiation data is edited and the results are saved;
5. The "Instantiation Data" screen has been displayed at an average response time of (no more than) 3 seconds and a maximum response time of (no more than) 30 seconds; “Mode 1 Testing” page is displayed correctly;
6. The changes have been made successfully.

Post Conditions:

7.2.2.2.2 TC027

			TC027
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 26/02/2009
Requirement(s):	• UC-MOD1-DTM-07 • SUPL25		Other Dependencies:
Test Description:	Test that the user is able to add a country’s instantiation data in the instantiation data repository.		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the system as “Mode-1 Testing Remote Operator”;
2. Select the "Instantiation Data Repository" action from the “Data Management" in the main screen;
3. You can add the instantiation data by right-clicking in it to display the “Add tag” option.
4. Click to add the country’s instantiation data and press the "Save" button;
5. Select the "Instantiation Data Repository" action again;
6. View the changed data in the system.

Expected Results:

1. The user has logged in successfully;
2. The "Instantiation Data" screen has been displayed at an average response time of (no more than) 3 seconds and a maximum response time of (no more than) 30 seconds;
3. The available instantiation data files are listed in order to allow the user to select the one that is to be added;
4. The instantiation data are added and the results are saved;
5. The "Instantiation Data" screen has been displayed at an average response time of (no more than) 3 seconds and a maximum response time of (no more than) 30 seconds;
6. The changes have been made successfully.

Post Conditions:

7.2.2.2.3 TC028

			TC028
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 26/02/2009
Requirement(s):	• UC-MOD1-DTM-07 • SUPL25		Other Dependencies:
Test Description:	Test that the user is able to delete a country’s “Instantiation Item“ in the instantiation data repository.		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the system as “Mode-1 Testing Remote Operator”;
2. Select the "Instantiation Data Repository" action from the “Data Management" in the mainscreen;
3. You can delete the “Instantiation Item” file by right-clicking on it;
4. Click to delete the country’s “Instantiation Item” file and press the "Save" button;
5. Select the "Instantiation Data Repository" action again;
6. View the changed data in the system.

Expected Results:

1. The user has logged in successfully;
2. The "Instantiation Data" screen has been displayed at an average response time of (no more than) 3 seconds and a maximum response time of (no more than) 30 seconds;
3. The available “Instantiation Data” files are listed in order to allow the user to select the Instantiation Item that is to be deleted;
4. The “Instantiation Item” file is deleted and the results is saved;
5. The "Instantiation Data" screen has been displayed at an average response time of (no more than) 3 seconds and a maximum response time of (no more than) 30 seconds;
6. The changes have been made successfully.

Post Conditions:

7.2.2.3 Reference Data Update

7.2.2.3.1 TC029

			TC029
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD1-DTM-09		Other Dependencies: UC-MOD1-LOG-05
Test Description:	Test that the user is able to update Reference Data (IE713).		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. On the "Data Management" tab select the "Reference Data Update" option;
3. Select Data Type "IE713";
4. Create in an XML format IE713 containing a new version of Reference Data (Economic Operators);
5. Press the ‘Browse’ button to locate and load the file;
6. Select the ‘Upload’ action from the ‘Reference Data Update Page’ in order to upload the desired Reference Data;
7. Log in to the system database;
8. View the "[Removed]" and "[Removed]" tables on the database.

Expected Results:

1. The user has logged in successfully;
2. The "Reference Data Update Page" is displayed properly;
3. Selected ‘Data Type’ is IE713;
4. IE713 is created;
5. The file has been loaded;
6. The system indicates that "Reference data are imported successfully";
7. The user is logged into the database successfully;
8. The entries contained in the IE713 exist on the corresponding table.

Post Conditions:

7.2.2.3.2 TC030

			TC030
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD1-DTM-09		Other Dependencies: UC-MOD1-LOG-05
Test Description:	Test that the tested system validates the XML files received during the update of Reference Data. (IE713)		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. On the "Data Management" tab select the "Reference Data Update" option;
3. Select Data Type "IE713";
4. Create an invalid IE713 message;
5. Press the ‘Browse’ button to locate and load the file;
6. Select the ‘Upload’ action from the ‘Reference Data Update Page’ in order to upload the desired Reference Data;
7. Log in to the system database;
8. View the "[Removed]" and "[Removed]" tables on the database.

Expected Results:

1. The user has logged in successfully;
2. The "Reference Data Update Page" is displayed properly;
3. Selected ‘Data Type’ is IE713;
4. IE713 is created;
5. The file has been loaded;
6. The system indicates the results of the validation;
7. The user is logged into the database successfully;
8. The entries contained in the IE713 do not exist on the corresponding table.

Post Conditions:

Execute Test Case for syntactic invalid test.[1]

7.2.2.3.3 TC031

			TC031
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD1-DTM-09		Other Dependencies: UC-MOD1-LOG-05
Test Description:	Test that the user is able to update Reference Data. (IE931).		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. On the "Data Management" tab select the "Reference Data Update" option;
3. Select Data Type "IE931";
4. Create a valid IE931 message containing offices;
5. Press the ‘Browse’ button to locate and load the file;
6. Select the ‘Upload’ action from the ‘Reference Data Update Page’ in order to upload the desired Reference Data;
7. Log in to the system database;
8. View the "[Removed]" table on the database.

Expected Results:

[1] In TA we do not validate semantically the reference data messages since these messages come from a trusted source e.g. SEED.

1. The user has logged in successfully; 2. The "Reference Data Update Page" is displayed properly; 3. Selected 'Data Type' is IE931; 4. IE931 is created; 5. The file has been loaded; 6. The system indicates that the Reference Data file is loaded successfully; 7. The user is logged into the database successfully; 8. The entries contained in the IE931 exist on the corresponding table.
Post Conditions:

7.2.2.3.4 TC032

			TC032
[Removed] Requirement(s):	Test Mode: Manual • UC-MOD1-DTM-09	Test Method: Negative	Last Updated: 19/09/2008 Other Dependencies: UC-MOD1-LOG-05
Test Description:	Test that the tested system validates the XML files received during the update of Reference Data. (IE931).		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as "Mode-1 Testing Remote Operator";
2. On the "Data Management" tab select the "Reference Data Update" option;
3. Select Data Type "IE931";
4. Create an invalid IE931 message containing offices;
5. Press the "Browse" button to locate and load the file;
6. Select the 'Upload' action from the 'Reference Data Update Page' in order to upload the desired Reference Data;
7. Log in to the system database;
8. View the "[Removed]" table on the database.

Expected Results:

1. The user has logged in successfully;
2. The "Reference Data Update Page" is displayed properly;
3. Selected 'Data Type' is IE931;
4. IE931 is created;
5. The file has been loaded;
6. The system indicates the errors found in the validation process;
7. The user is logged into the database successfully;
8. The entries contained in the IE931 do not exist on the corresponding table.

Post Conditions:

Execute Test Case for both syntactic and semantic invalid XML file

7.2.2.3.5 TC033

			TC033
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD1-DTM-09		Other Dependencies: UC-MOD1-LOG-05
Test Description:	Test that the user is able to update Reference Data. (IE734).		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. On the "Data Management" tab select the "Reference Data Update" option;
3. Select Data Type "IE734";
4. Create a valid IE734 message containing excise products and excise product categories;
5. Press the “Browse” button to locate and load the file;
6. Select the “Upload” action from the “Reference Data Update Page” in order to upload the desired Reference Data;
7. Log in to the system database;
8. View the "[Removed]" and "[Removed]" tables on the database.

Expected Results:

1. The user has logged in successfully;
2. The "Reference Data Update Page" is displayed properly;
3. Selected ‘Data Type’ is IE734;
4. IE734 is created;
5. The file has been loaded;
6. The system indicates that the reference data have been loaded successfully;
7. The user is logged into the database successfully;
8. The entries contained in the IE734 exist on the corresponding tables.

Post Conditions:

7.2.2.3.6 TC034

			TC034
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD1-DTM-09		Other Dependencies: UC-MOD1-LOG-05
Test Description:	Test that the tested system validates the XML files received during the update of Reference Data (IE734).		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. On the "Data Management" tab select the "Reference Data Update" option;
3. Select Data Type "IE734";
4. Create an invalid IE734 message containing offices;
5. Press the ‘Browse’ button to locate and load the file;
6. Select the ‘Upload’ action from the ‘Reference Data Update Page’ in order to upload the desired Reference Data;
7. Log in to the system database;
8. View the "[Removed]" and [Removed]" tables on the database.

Expected Results:

1. The user has logged in successfully;
2. The "Reference Data Update Page" is displayed properly;
3. Selected ‘Data Type’ is IE734;
4. IE734 is created;
5. The file has been loaded;
6. The system indicates the errors found in the validation process;
7. The user is logged into the database successfully;
8. The entries contained in the IE734 do not exist on the corresponding table.

Post Conditions:

Execute Test Case for both syntactic and semantic invalid XML file.

7.2.2.4 IE Repository Update

7.2.2.4.1 TC036

			TC036
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 10/06/2008
Requirement(s):	• UC-MOD1-DTM-33		Other Dependencies: UC-CMN-VALD-32
Test Description:	Test that the user is able to upload a new valid IE.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
1. Log in to the tested system as “Mode-1 Testing Remote Operator”; 2. Go to “Data Management” select “IE Repository Update”, select “Add/Create an IE” and click on “Upload an IE”; 3. Fill the IE instance related fields: • Enter a name in the “Name” input. This is a mandatory field; • Enter a description in the “Description” input; • In the “File” input enter a valid IE instance XML file path or browse for the file by pressing the “Browse…” button. This is a mandatory field. 4. Press the “Upload” button; 5. Press the “Save IE” button; 6. Search for the IE.			
Expected Results:			
1. The user has logged in successfully; 2. The “Upload an IE” webpage is displayed successfully; 3. The IE instance related fields are filled; 4. “IE Details” section is displayed, it contains a preview of the IE instance to be uploaded; 5. The tested system notifies the user that the creation and addition to the repository of the new IE instance has been successfully completed. An appropriate success message is displayed; 6. Verify that the IE instance was successfully uploaded into repository.			
Post Conditions:			

7.2.2.4.2 TC037

			TC037
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 10/06/2008
Requirement(s):	• UC-MOD1-DTM-33		Other Dependencies: UC-CMN-VALD-32
Test Description:	Test that the user is unable to upload a non-existing IE.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
1. Log in to the tested system as “Mode-1 Testing Remote Operator”; 2. Go to “Data Management” select “IE Repository Update”, select “Add/Create an IE” and click on “Upload an IE”; 3. Fill the IE instance related fields: • Leave the “Name” input empty; • In the “File” input enter a string that is not a file path or leave it empty. 4. Press the “Upload” button.			
Expected Results:			

1. The user has logged in successfully;
2. The “Upload an IE” page is displayed successfully;
3. The IE instance related fields are filled;
4. Error messages report the missing/incorrect fields.

Post Conditions:

Repeat the Test Case with different combination in the values provided.

7.2.2.4.3 TC038

			TC038
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 10/06/2008
Requirement(s):	• UC-MOD1-DTM-33		Other Dependencies: UC-CMN-VALD-32
Test Description:	Test that the tested system performs syntactic validation on the messages uploaded through the “Upload a new IE” functionality.		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Go to “Data Management” select “IE Repository Update”, select “Add/Create an IE” and click on “Upload an IE”;
3. Fill the IE instance related fields:
   - Enter a name in the “Name” input. This is a mandatory field;
   - Enter a description in the “Description” input;
   - In the “File” input enter a syntactically invalid IE instance XML file path or browse for the file by pressing the “Browse…” button. This is a mandatory field.
4. Press the “Upload” button.

Expected Results:

1. The user has logged in successfully;
2. The “Upload an IE” page is displayed successfully;
3. The IE instance related fields are filled;
4. The tested system indicates that the upload failed because of the syntactic errors.

Post Conditions:

7.2.2.4.4 TC039

			TC039
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD1-DTM-33		Other Dependencies: UC-CMN-VALD-32
Test Description:	Test that the tested system performs a check on the unique naming on the messages uploaded through the “Upload a new IE” functionality.		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Go to “Data Management” select “IE Repository Update” select “Add/Create an IE” and click on “Upload an IE”;
3. Fill the IE instance related fields:
   - Enter a name that has already been used for a previous successful upload, in the “Name” input. This is a mandatory field;
   - Enter a description in the “Description” input;
   - In the “File” input enter a valid IE instance XML file path or browse for the file by pressing the “Browse…” button. This is a mandatory field.
4. Press the “Upload” button.

Expected Results:
1. The user has logged in successfully; 2. The “Upload an IE” page is displayed successfully; 3. The IE instance related fields are filled; 4. The tested system is displaying an error indicating that the name already exists.
Post Conditions:

7.2.2.4.5 TC040

			TC040
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/05/2009
Requirement(s):	• UC-MOD1-DTM-33		Other Dependencies: UC-CMN-VALD-32
Test Description:	Test that the Mode-1 Testing Remote Operator user is able to clone an IE.		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Go to “Data Management” select “IE Repository Update”, select “Add/Create an IE” and click on “Clone an IE”;
3. Fill the IE instance search related fields:
   Perform a simple search:
   - Select the “IE Type”;

   Or
   - Enter a name in the “By Name” input.

   Or perform an advanced search by checking the “Advanced search”:
   - Select the “IE Type”;
   - Select the “DataSet”;
   - Select the “Sender Role”;
   - Select the “Sender Country”;
   - Select the “Receiver Role”;
   - Select the “Receiver Country”;

   Or
   - Enter a name in the “By Name” input.
4. Press the “Search” button;
5. Click the IE instance you want to clone;
6. Expand the tree representation of the IE instance, click and modify tree leaves;
7. Enter details for the newly created IE instance:
   - Enter a name that has not been chosen in the past, in the “Name” input. This is a mandatory field;
   - Enter a description in the “Description” input.
8. Press the “Save IE” button;
9. Search for the IE instance on the repository.

Expected Results:

1. The user has logged in successfully;
2. All pages are displayed correctly;
3. IE instance search related fields are filled;
4. IE instances that matched the search criteria are displayed;
5. “IE Details” section is displayed; it contains a preview of the IE instance to be cloned;
6. The tree representation of the IE instance is displayed correctly;
7. Data entered successfully;
8. The tested system notifies the user that the creation and addition to the repository of the new IE instance has been successfully completed. An appropriate success message is displayed;
9. Verify that the IE instance was successfully added into repository.

Post Conditions:

7.2.2.4.6 TC041

			TC041
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/05/2009
Requirement(s):	• UC-MOD1-DTM-33		Other Dependencies: UC-CMN-VALD-32
Test Description:	Test that the user is able to create an IE from template.		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Go to “Data Management” select “IE Repository Update”, select “Add/Create an IE” and click on “Create an IE from template”;
3. Fill the IE template search related fields:
   - Select the “Source”;
   - Select the “IE Type”;
   - Select the “DataSet”;

   Or
   - Enter a name in the “By Name” input.
4. Press the “Search” button;
5. Click the IE instance you want to create;
6. Expand the tree representation of the IE template, click and modify the country specific tree leaves;
7. Enter details for the newly created IE instance:
   - Enter a name in the “Name” input. This is a mandatory field;
   - Enter a description in the “Description” input;
   - Select “Sender Role”;
   - Select “Sender Country”;
   - Select “Receiver Role”;
   - Select “Receiver Country”.
8. Press the “Save IE” button;
9. Search for the IE instance on the repository.

Expected Results:

1. The user has logged in successfully;
2. All pages are displayed successfully;
3. All fields are filled;
4. IE templates that matched the search criteria are displayed;
5. “IE Details” section is displayed; it contains a preview of the IE instance to be cloned;
6. The country specific tree leaves are modified;
7. Details for the newly created IE instance have been entered;
8. The tested system notifies the user that the creation and addition to the repository of the new IE instance has been successfully completed. An appropriate success message is displayed;
9. Verify that the IE instance was successfully added into repository.

Post Conditions:

7.2.2.4.7 TC042

			TC042
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/05/2009
Requirement(s):	• UC-MOD1-DTM-33		Other Dependencies: UC-CMN-VALD-32
Test Description:	Test that the user is able to edit an IE.		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Go to “Data Management” select “IE Repository Update” and click on “Edit an IE”;
3. Fill the IE instance search related fields:
   Perform a simple search:
   - Select the “IE Type”;

   Or
   - Enter a name in the “By Name” input.

   Or perform an advanced search by checking the “Advanced search”:
   - Select the “IE Type”;
   - Select the “DataSet”;
   - Select the “Sender Role”;
   - Select the “Sender Country”;
   - Select the “Receiver Role”;
   - Select the “Receiver Country”;

   Or
   - Enter a name in the “By Name” input.
4. Press the “Search” button;
5. Click the IE instance you want to edit;
6. Expand the tree representation of the IE instance, click and modify tree leaves;
7. Press the “Save IE” button;
8. Search again for the same IE and preview the IE instance.

Expected Results:

1. The user has logged in successfully;
2. All pages are displayed successfully;
3. All fields are filled;
4. IE templates that matched the search criteria are displayed;
5. “IE Details” section is displayed; it contains a preview of the IE instance to be edited;
6. The tree leaves are modified;
7. The tested system notifies the user that the IE instance has been successfully edited. An appropriate success message is displayed;
8. Verify that the IE instance was successfully edited.

Post Conditions:

7.2.2.4.8 TC043

			TC043
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/05/2009
Requirement(s):	• UC-MOD1-DTM-33		Other Dependencies: UC-CMN-VALD-32
Test Description:	Test that the user is able to delete an IE.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			

1. Log in to the system as “Mode-1 Testing Remote Operator”. 2. Go to “Data Management” select “IE Repository Update” and click on “Delete an IE”; 3. Fill the IE instance search related fields: Perform a simple search: • Select the “IE Type”; Or • Enter a name in the “By Name” input; Or perform an advanced search by checking the “Advanced search”: • Select the “IE Type”; • Select the “DataSet”; • Select the “Sender Role”; • Select the “Sender Country”; • Select the “Receiver Role”; • Select the “Receiver Country”; Or • Enter a name in the “By Name” input. 4. Press the “Search” button; 5. Check the IE messages you want to delete and then press the “Delete” button; 6. Search again for the same instances that were deleted on the previous step.
Expected Results:
1. The user has logged in successfully; 2. All pages are displayed successfully; 3. All fields are filled; 4. IE templates that matched the search criteria are displayed; 5. The tested system deletes the selected IE instances. An appropriate success message is displayed; 6. Verify that the IE instances were successfully deleted from repository.
Post Conditions:

7.2.3 TP5 - Message manipulation

[Removed]		
Test Procedure Name:	Mode 1 - Message manipulation	**TP05**
Description:	This procedure tests the application on operating on ED or CD mode, during the Mode-1 Testing Remote operation.	
Test Cases:	• TC044 – Test that the user is able to instantiate a message with country specific information (IE type exists, Instantiation data exists); • TC129 – In Mode 2, the Dynamic Information are instantiated as follows: o Current Date of Test: TA fills in the date that the test is executed; o Time of Test: TA fills in the time that the test is executed; o Current DateTime of Test: TA fills in the date and time the test is executed; o DateTime of RoR: TA fills in the date and time the IE818 is sent; o ARC: ▪ If the NEA under test is the initiator of the scenario, TA copies the ARC field from the received message and pastes it to all subsequent TA sending messages;	

	○ Message identifier: TA fills in a unique id; ○ [Removed] fills in the outgoing IE818 message a “Body Record Unique Reference” of the matching IE801. More specifically, TA fills in the “Body Record Unique Reference” that has sequence “X” in the IE801 with the same “Sequence Number” as the IE818; • TC130 – In Mode 2, the Dynamic Information are instantiated as follows: ▪ DateTime of Validation of Explanation on Delay: TA fills in the date and time the IE837 is sent; • TC131 – In Mode 2, the Dynamic Information are instantiated as follows: ○ ARC: ▪ If TA is the initiator of the scenario, it generates an ARC in the first message sent, stores the ARC in the TA database and copies the same ARC to every subsequent message sent; ○ Correlation_ID: TA fills in the "Message identifier" of the previously received message. More specifically, TA correlates: ▪ An IE905 plus any missing re-submitted messages with an incoming IE904 request (in case of status synchronization request); ▪ An IE905 with an IE904 request (in case of status request); ▪ An IE905 plus the IE934 history message with an IE904 request (in case of history download request). • TC132 – In Mode 2, the Dynamic Information are instantiated as follows: • Correlation_ID: TA fills in the "Message identifier" of the previously received message. More specifically, TA correlates: ▪ An IE702 or IE821 with an IE701 request (in case of e-AADs list download query); • TC133 – In Mode 1, the Dynamic Information instantiation is the same as for Mode-2 except for the following: ○ [Removed]: ▪ If the “Body Record Unique Reference” is filled in by the user with an non-empty value, then the application will not generate a “Body Record Unique Reference” but will use the one that the user provided; • TC134 – In Mode 1, the Dynamic Information instantiation is the same as for Mode-2 except for the following: ○ ARC: ▪ If the ARC is not filled in by the user, then it will be generated by the application (regardless the role TA is playing); • TC047 – Test that the application allows message sending in CD Operational Mode; • TC048 – Test that the application does not allow the sending of an ED message in CD Operational Mode; • TC049 – Test that the application performs semantic validation on the messages sent in CD Operational Mode; • TC050 – Test that the application performs syntactic validation on the messages sent in CD Operational Mode; • TC051 – Test that the application allows message sending in ED Operational Mode; • TC052 – Test that the application does not allow the sending of

	a CD message in ED Operational Mode; • TC053 – Test that the application performs semantic validation on the messages sent in ED Operational Mode; • TC054 – Test that the application performs syntactic validation on the messages sent in ED Operational Mode; • TC140 - In Mode-1, when dynamically changing the settings of the Test Session the progress bar indicating the change actions is not blocking. • TC141 - Test that TA ensures the consistence of the business state. Tests that the operator is not allowed opening a new Test Session while another one is still in closing process. • TC055 – Test that the application is able to receive messages in CD Operational Mode; • TC056 – Test that the application is not able to receive ED messages in CD Operational Mode; • TC057 – Test that the application performs semantic validation on the messages received in CD Operational Mode; • TC058 – Test that the application performs syntactic validation on the messages received in CD Operational Mode; • TC059 – Test that the application is able to receive messages in ED Operational Mode; • TC060 – Test that the application is not able to receive CD messages in ED Operational Mode; • TC061 – Test that the application performs semantic validation on the messages received in ED Operational Mode; • TC062 – Test that the application performs syntactic validation on the messages received in ED Operational Mode; • TC063 – Test that the user is able to update the test data during a test-session; • TC064 – Test that the user is able to cancel the updates on the non submitted test data during a test-session. • TC142 – Test that TA can handle potential de-synchronization of the settings and possible inappropriate error messages displayed in case of unpredicted incident triggers. • TC 146 - Test that TA ensures the consistence of the business state and notification for test scenario execution when the other test scenario is running.

7.2.3.1 Message Instantiation

7.2.3.1.1 TC044

			TC044
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 26/02/2009
Requirement(s):	• UC-MOD1-MMAN-10		Other Dependencies:
Test Description:	Test that the user is able to instantiate a message with country specific information (IE type exists, Instantiation data exists).		
Pre Conditions: • The user must be authenticated to access the TA; • IE repository.			
Execution Steps:			

1. Log in to the tested system as “Mode-1 Testing Remote Operator”; 2. Select the country of choice; 3. Go to “Create an IE from Template” page; 4. Search from the IE repository for the message of your choice; 5. Fill in all the required values, edit the language field on the xml and select the roles for NEA and TA; 6. Give a “Name” and a “Description” for the message; 7. Save the message; 8. Try to send the message and check that it is instantiated.
Expected Results:
1. The user has logged in successfully; 2. You login as the country of your choice; 3. The page is displayed successfully; 4. The message tree is displayed successfully; 5. The message is edited and TA and NEA roles are selected; 6. “Name” and Description values are inserted successfully; 7. Message is saved successfully; 8. The tested system uses the instantiation data along with the IE type and generates for the country of your choice specific instance of the IE in XML format.
Post Conditions:

7.2.3.1.2 TC129

			TC129
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 24/07/2009
Requirement(s):	• SUPL53		Other Dependencies: UC-MOD2-CORE-17 SUPL43
Test Description:	In Mode 2, the Dynamic Information are instantiated as follows: • Current Date of Test: TA fills in the date that the test is executed; • Time of Test: TA fills in the time that the test is executed; • Current DateTime of Test: TA fills in the date and time the test is executed; • DateTime of RoR: TA fills in the date and time the IE818 is sent; • ARC: o If the NEA under test is the initiator of the scenario, TA copies the ARC field from the received message and pastes it to all subsequent TA sending messages; • Message identifier: TA fills in a unique id; • [Removed]: TA fills in the outgoing IE818 message a “Body Record Unique Reference” of the matching IE801. More specifically, TA fills in the “Body Record Unique Reference” that has sequence “X” in the IE801 with the same “Sequence Number” as the IE818.		
Pre Conditions:			
Execution Steps:			

1. Log in to the tested system as “Mode -2 Testing Operator”; 2. Go to “Operation Mode” and select “Mode 2 Testing”; Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run”; 3. Select BS - 07_1.xml scenario, check field-by-field checkbox and press the “start” button in order to start the scenario execution; 4. Using an appropriate tool browse the incoming NEA queue; 5. Verify that in the IE818H (message generated by TA) the values for “Current Date of Test”, “Time of Test”, “Current DateTime of Test”, “DateTime of RoR”, “Message identifier” are instantiated from TA; 6. Verify that for the “ARC” value, TA copies the ARC field from the received message and pastes it to all subsequent TA sending messages; 7. Verify that for the “[Removed]” value TA fills in the outgoing IE818 message a “Body Record Unique Reference” of the matching IE801. More specifically, TA fills in the “Body Record Unique Reference” that has sequence “X” in the IE801 with the same “Sequence Number” as the IE818.
Expected Results:
1. The user has logged in successfully; 2. All pages are displayed successfully; 3. The scenario has started and has completed successfully; 4. The incoming NEA queue contains an IE818H; 5. The “Current Date of Test”, “Time of Test”, “Current DateTime of Test”, “DateTime of RoR”, “Message identifier” are instantiated successfully; 6. The “ARC” is instantiated successfully; 7. The “[REMOVED]” is instantiated successfully.
Post Conditions:

7.2.3.1.3 TC130

			TC130
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 24/07/2009
Requirement(s):	• SUPL53		Other Dependencies: UC-MOD2-CORE-17 SUPL43
Test Description:	In Mode 2, the Dynamic Information are instantiated as follows: • DateTime of Validation of Explanation on Delay: TA fills in the date and time the IE837 is sent;		
Pre Conditions:			
Execution Steps:			
1. Log in to the tested system as “Mode -2 Testing Operator”; 2. Go to “Operation Mode” and select “Mode 2 Testing”; Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run”; 3. Select AP - 09_2.xml scenario, check field-by-field checkbox and press the “start” button in order to start the scenario execution; 4. Using an appropriate tool browse the incoming NEA queue; 5. Verify that for the “DateTime of Validation of Explanation on Delay” value TA fills in the date and time the IE837 is sent.			
Expected Results:			
1. The user has logged in successfully; 2. All pages are displayed successfully; 3. The scenario has started and has completed successfully; 4. The incoming NEA queue contains an IE837A; 5. The “DateTime of Validation of Explanation on Delay” are instantiated successfully;			
Post Conditions:			

7.2.3.1.4 TC131

			TC131
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 24/07/2009
Requirement(s):	• SUPL53		Other Dependencies: UC-MOD2-CORE-17 SUPL43
Test Description:	In Mode 2, the Dynamic Information are instantiated as follows: • ARC: o If TA is the initiator of the scenario, it generates an ARC in the first message sent, stores the ARC in the TA database and copies the same ARC to every subsequent message sent; • Correlation_ID: TA fills in the "Message identifier" of the previously received message. More specifically, TA correlates: o An IE905 plus any missing re-submitted messages with an incoming IE904 request (in case of status synchronization request); o An IE905 with an IE904 request (in case of status request); o An IE905 plus the IE934 history message with an IE904 request (in case of history download request).		
Pre Conditions:			
Execution Steps:			
1. Log in to the tested system as “Mode -2 Testing Operator”; 2. Go to “Operation Mode” and select “Mode 2 Testing”; Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run”; 3. Select BS - 11_2.xml scenario, check field-by-field checkbox and press the “start” button in order to start the scenario execution; 4. Using an appropriate tool browse the incoming NEA queue; 5. Verify that for the “ARC” value, ~~TA is the initiator of the scenario,~~ it generates an ARC in the first message sent, stores the ARC in the TA database and copies the same ARC to every subsequent message sent; 6. Verify that for the “Correlation_ID” values for IE905G and IE934A are the "Message identifier" of the previously received IE904G message.			
Expected Results:			
1. The user has logged in successfully; 2. All pages are displayed successfully; 3. The scenario has started and has completed successfully; 4. The incoming NEA queue contains messages; 5. The “ARC” is instantiated successfully; 6. The “Correlation_ID” is instantiated successfully.			
Post Conditions:			

7.2.3.1.5 TC132

			TC132
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 24/07/2009
Requirement(s):	• SUPL53		Other Dependencies: UC-MOD2-CORE-17 SUPL43
Test Description:	In Mode 2, the Dynamic Information are instantiated as follows: • Correlation_ID: TA fills in the "Message identifier" of the previously received message. More specifically, TA correlates: o An IE702 or IE821 with an IE701 request (in case of e-AADs list download query)		

Pre Conditions:
Execution Steps:
1. Log in to the tested system as “Mode -2 Testing Operator”; 2. Go to “Operation Mode” and select “Mode 2 Testing”; Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run”; 3. Select AP - 19_3.xml or AP - 19_1.xml scenario, check field-by-field checkbox and press the “start” button in order to start the scenario execution; 4. Using an appropriate tool browse the incoming NEA queue; 5. Verify that for the “Correlation_ID” values for IE702C or IE821A are the "Message identifier" of the previously received IE701A message.
Expected Results:
1. The user has logged in successfully; 2. All pages are displayed successfully; 3. The scenario has started and has completed successfully; 4. The incoming NEA queue contains messages; 5. The “Correlation_ID” is instantiated successfully;
Post Conditions:

7.2.3.1.6 TC133

			TC133
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 09/04/2009
Requirement(s):	• SUPL53		Other Dependencies: TC047
Test Description:	In Mode 1, the Dynamic Information instantiation is the same as for Mode-2 except for the following: ARC.		
Pre Conditions:			
Execution Steps:			
1. Execute TC047 for IE818 dataset H in CD. Also provide values for ARC.			
Expected Results:			
1. TC047 for IE818 dataset H is executed in successfully.			
Post Conditions:			

7.2.3.1.7 TC134

			TC134
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 09/04/2009
Requirement(s):	• SUPL53		Other Dependencies: TC047, TC041
Test Description:	In Mode 1, the Dynamic Information instantiation is the same as for Mode-2 except for the following: o ARC: ▪ If the ARC is not filled in by the user, then it will be generated by the application (regardless the role TA is playing);		
Pre Conditions:			
Execution Steps:			
1. Execute TC041 but for the Template use CTP_IE818_H in CD. Do not provide values for ARC; 2. Execute TC047.			

Expected Results:
1. TC041 is executed successfully; 2. TC047 is executed successfully and ARC is instantiated successfully.
Post Conditions:

7.2.3.2 Message Sending

7.2.3.2.1 TC047

			TC047
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 09/04/2009
Requirement(s):	• UC-MOD1-MMAN-11 • UC-CMN-COM-01 • SUPL5 • SUPL6 • SUPL7 • SUPL20 • SUPL22 • SUPL23 • SUPL53		Other Dependencies: UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05
Test Description:	Test that the application allows message sending in CD Operational Mode.		

Pre Conditions:

- The user must be authenticated to access the TA;
- Valid messages IE701, IE702, IE801, IE802, IE810, IE813, IE818, IE829, IE839, IE821, IE837, IE904 IE905, IE906 and IE917 exist in the repository.

Execution Steps:

Execute the Test Case using all the following messages: IE701, IE702, IE801, IE802, IE810, IE813, IE818, IE829, IE839, IE821, IE837, IE904, IE905, IE906 and IE917.

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Start the TA Mode-1 Testing in CD operational mode;
3. Start the test session;
4. Select the role to be played by the TA and NEA;
5. Open the IE repository;
6. Select a valid IE message with the “ARC” value already provided (except for IE701 and IE702 which does not have “ARC” value), update the content of the message and press the "Send" button;
7. Examine in the logs if the IE Message was sent to the NEA under test.

Expected Results:

1. The user has logged in successfully;
2. The TA successfully started in CD operational mode;
3. The test session is started;
4. The roles for the TA and NEA are selected;
5. The IE repository successfully loaded;
6. The IE message is successfully loaded. A pop-up appears indicating that “Your message is being processed.”
7. A log record incorporating: name of the IE, outcome of validations, IE in XML format, any parameter of the send command, date and time of sending, instantiation data used, is created.

Post Conditions:

7.2.3.2.2 TC048

			TC048
[Removed]	Test Mode: Manual	Test Method: Positive/Negative	Last Updated: 26/02/2009
Requirement(s):	• UC-MOD1-MMAN-11 • SUPL6 • SUPL7		Other Dependencies: UC-CMN-VALD-32 UC-CMN-VALD-15 UC-CMN-COM-01 UC-MOD1-LOG-05
Test Description:	Test that the application checks if the IE type is permitted when sending an ED message in CD Operational Mode.		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Start the TA Mode-1 Testing in CD operational mode;
3. Start the test session;
4. Select the role to be played by the TA and NEA;
5. Select to upload a message;
6. Locate on the local disk a valid XML e.g. IE815 and press the "Upload” button;
7. Select the message and press the "Send" button;
8. Select to continue the sending process;
9. Examine in the logs if an IE e.g. IE815 was sent to the NEA under test.

Expected Results:

1. The user has logged in successfully;
2. The TA successfully started in CD operational mode;
3. The test session is started;
4. The roles for the TA and NEA are selected;
5. The IE repository successfully loaded;
6. The IE message is successfully loaded;
7. A pop-up appears indicating that “Your message is being processed.”; And "IE type is not permitted. Continue Sending?" warning is displayed;
8. The sending process continues; The selected IE has been sent to the NEA under test;
9. A log record incorporating: name of the IE, outcome of validations, IE in XML format, any parameter of the send command, date and time of sending, instantiation data used, is created.

Post Conditions:

7.2.3.2.3 TC049

			TC049
[Removed]	Test Mode: Manual	Test Method: Positive/Negative	Last Updated: 08/04/2009
Requirement(s):	• UC-MOD1-MMAN-11 • UC-CMN-COM-01		Other Dependencies: UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05
Test Description:	Test that the application performs semantic validation on the messages sent in CD Operational Mode.		

Pre Conditions:

- The user must be authenticated to access the TA;
- Semantically invalid messages: IE701, IE702, IE801, IE802, IE810, IE829, IE839, IE813, IE818, IE821, IE837, IE904, IE905, IE906 and IE917 exist in the repository.

Execution Steps:

Execute the Test Case using all the following messages: IE701, IE702, IE801, IE802, IE810, IE813, IE818, IE821, IE829, IE839, IE837, IE904, IE905, IE906 and IE917. 1. Log in to the tested system as “Mode-1 Testing Remote Operator”; 2. Start the TA Mode-1 Testing in CD operational mode; 3. Start the test session; 4. Select the role to be played by the TA and NEA; 5. Open the IE repository; 6. Select a message which is semantically invalid and press the "Send" button; 7. Select to continue the sending process; 8. Examine in the logs if the message was sent to the NEA under test.
Expected Results:
1. The user has logged in successfully; 2. The TA successfully started in CD operational mode; 3. The test session is started; 4. The roles for the TA and NEA are selected; 5. The IE repository successfully loaded; 6. The IE message is successfully loaded. A pop-up appears indicating that “Your message is being processed.” A semantically invalid message is selected and an "IE is not semantically valid. Continue sending?" warning is displayed; 7. The sending process continues; The message has been sent to the NEA under test; 8. A log record incorporating: name of the IE, outcome of validations, IE in XML format, any parameter of the send command, date and time of sending, instantiation data used, is created.
Post Conditions:

7.2.3.2.4 TC050

			TC050
[Removed] Requirement(s):	Test Mode: Manual • UC-MOD1-MMAN-11 • UC-CMN-COM-01	Test Method: Positive/Negative	Last Updated: 08/04/2009 Other Dependencies: UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05
Test Description:	Test that the application performs syntactic validation on the messages sent in CD Operational Mode.		
Pre Conditions: • The user must be authenticated to access the TA; • Syntactically invalid IE701, IE702, IE801, IE802, IE810, IE813, IE818, IE821, IE829, IE839, IE837, IE904, IE905, IE906 and IE917 messages exist in the repository.			
Execution Steps:			

Execute the Test Case using all the following messages: IE701, IE702, IE801, IE802, IE810, IE813, IE818, IE821, IE829, IE839, IE837, IE904, IE905, IE906 and IE917.

1. Logon to the application as “Mode-1 Testing Remote Operator”;
2. Click on "Mode 1 – Configuration and Run" and select "Test Session Configuration" and select to start in CD operational mode;
3. Click on "Data Management" and on the "IE Repository Update" click on the "Add/Create IE". Then select "Upload an IE";
4. Fill in all required fields and then choose a valid IE message and press "upload"
5. Press the "Save IE" button;
6. On the "Data Management" click on the "IE Repository Update" and then select the "Edit an IE" option;
7. Enter the name of the previously uploaded IE and press the Search button;
8. Select the message in order to preview it in tree mode;
9. Click on any of the tags and edit the value in order to make it syntactically invalid according to the XSDs. For example
   - Date tag that contains value that is not in the correct date format;
   - Time tag that contains value that is not in the correct time format;
   - Enter a letter as a value in a tag that should contain only digits;
   - Enter a digit as a value in a tag that should contain only letter.
10. Press the "save IE" button;
11. On "Mode 1 – Configuration and Run" screen select the "Test Execution Control Screen";
12. Search for the IE saved on the step 10 and select the IE in order to view it in tree mode;
13. Press the "start" button in order to start the session;
14. Press the "send" button.

Expected Results:

1. The user has logged in successfully;
2. All pages are displayed successfully;
3. All pages are displayed successfully;
4. The file is uploaded;
5. The file is saved;
6. All pages are displayed successfully;
7. The search function returns the IE message in the results;
8. The message is displayed successfully;
9. An IE has been edited;
10. The IE has been saved;
11. All pages are displayed successfully;
12. The search function returns the IE message in the results;
13. The session has started';
14. The IE message is successfully loaded. A pop-up appears indicating that “Your message is being processed.” A syntactically invalid message is selected and an "IE is not syntactically valid. Continue sending?" warning is displayed.

Post Conditions:

7.2.3.2.5 TC051

			TC051
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 09/04/2009
Requirement(s):	• UC-MOD1-MMAN-11 • UC-CMN-COM-01 • SUPL53		Other Dependencies: UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05
Test Description:	Test that the application allows message sending in ED Operational Mode.		

Pre Conditions:

- The user must be authenticated to access the TA;
- Valid IE813, IE818, IE837 messages exist in the IE repository.

Execution Steps:

Execute the Test Case using all the following messages: IE813, IE818, and IE837.

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Start the TA Mode-1 Testing in ED operational mode;
3. Start the test session;
4. Select the role to be played by the TA and NEA;
5. Open the IE repository;
6. Select a valid IE message with the “ARC” value already provided, update the content of the message and press the "Send" button;
7. Examine in the logs if an IE message was sent to the NEA under test.

Expected Results:

1. The user has logged in successfully;
2. The TA successfully started in ED operational mode;
3. The test session is started;
4. The roles for the TA and NEA are selected;
5. The IE repository successfully loaded;
6. A valid IE message is selected; The IE message is successfully loaded. A pop-up appears indicating that “Your message is being processed.”;
7. A log record incorporating: name of the IE, outcome of validations, IE in XML format, any parameter of the send command, date and time of sending, instantiation data used, is created.

Post Conditions:

7.2.3.2.6 TC052

			TC052
[Removed]	Test Mode: Manual	Test Method: Positive/Negative	Last Updated: 26/02/2009
Requirement(s):	• UC-MOD1-MMAN-11		Other Dependencies: UC-CMN-VALD-32 UC-CMN-VALD-15 UC-CMN-COM-01 UC-MOD1-LOG-05
Test Description:	Test that the application checks if the IE type is permitted when sending a CD message in ED Operational Mode.		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Start the TA Mode-1 Testing in ED operational mode;
3. Start the test session;
4. Select the role to be played by the TA and NEA;
5. Select to upload a message;
6. Locate on the local disk a valid IE701 and press the "Send" button;
7. Select to continue the sending process;
8. Examine in the logs if an IE701 was sent to the NEA under test.

Expected Results:

1. The user has logged in successfully;
2. The TA successfully started in ED operational mode;
3. The test session is started;
4. The roles for the TA and NEA are selected;
5. The IE repository successfully loaded;
6. A valid IE701 is selected. A pop-up appears indicating that “Your message is being processed.” and an "IE type is not Permitted. Continue Sending?" warning is displayed;
7. The sending process continues; An IE701 has been sent to the NEA under test;
8. A log record incorporating: name of the IE, outcome of validations, IE in XML format, any parameter of the send command, date and time of sending, instantiation data used, is created.

Post Conditions:

7.2.3.2.7 TC053

			TC053
[Removed]	Test Mode: Manual	Test Method: Positive/Negative	Last Updated: 12/02/2009
Requirement(s):	• UC-MOD1-MMAN-11 • UC-CMN-COM-01		Other Dependencies: UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05
Test Description:	Test that the application performs semantic validation on the messages sent in ED Operational Mode.		

Pre Conditions:

- The user must be authenticated to access the TA;
- Messages IE813, IE815, IE818, and IE837 exist in the IE repository.

Execution Steps:

Execute the Test Case using all the following messages: IE813, IE815, IE818, and IE837.

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Start the TA Mode-1 Testing in ED operational mode;
3. Start the test session;
4. Select the role to be played by the TA and NEA;
5. Open the IE repository;
6. Select an IE semantically invalid and press the "Send" button;
7. Select to continue the sending process;
8. Examine in the logs if the IE selected was sent to the NEA under test.

Expected Results:

1. The user has logged in successfully;
2. The TA successfully started in ED operational mode;
3. The test session is started;
4. The roles for the TA and NEA are selected;
5. The IE repository successfully loaded;
6. A semantically invalid IE is selected. A pop-up appears indicating that “Your message is being processed.” and "IE is not semantically valid. Continue sending?" warning is displayed;
7. The sending process continues; An IE has been sent to the NEA under test;
8. A log record incorporating: name of the IE, outcome of validations, IE in XML format, any parameter of the send command, date and time of sending, instantiation data used, is created.

Post Conditions:

7.2.3.2.8 TC054

			TC054
[Removed]	Test Mode: Manual	Test Method: Positive/Negative	Last Updated: 15/05/2009

Requirement(s):	• UC-MOD1-MMAN-11 • UC-CMN-COM-01	Other Dependencies: UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05
Test Description:	Test that the application performs syntactic validation on the messages sent in ED Operational Mode.	

Pre Conditions:

- The user must be authenticated to access the TA;
- Invalid messages IE813, IE815, IE818, and IE837 must exist in the IE repository.

Execution Steps:

Execute the Test Case using all the following messages: IE813, IE815, IE818, and IE837.

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Start the TA Mode-1 Testing in ED operational mode;
3. Start the test session;
4. Select the role to be played by the TA and NEA;
5. Open the IE repository;
6. Select an IE syntactically invalid and press the "Send" button;
7. Select to continue the sending process;
8. Examine in the logs if an IE was sent to the NEA under test.

Expected Results:

1. The user has logged in successfully;
2. The TA successfully started in ED operational mode;
3. The test session is started;
4. The roles for the TA and NEA are selected;
5. The IE repository successfully loaded;
6. A syntactically invalid IE is selected. A pop-up appears indicating that “Your message is being processed.” and "IE is not syntactically valid. Continue sending?" warning is displayed;
7. The sending process continues; An IE has not been sent to the NEA under test;
8. A log record incorporating: name of the IE, outcome of validations, IE in XML format, any parameter of the send command, date and time of sending, instantiation data used, is created.

Post Conditions:

7.2.3.2.9 TC140

			TC140
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 09/04/2009
Requirement(s):	• UC-MOD1-MMAN-11 • UC-CMN-COM-01 • SUPL5 • SUPL6 • SUPL7 • SUPL20 • SUPL22 • SUPL23 • SUPL53		Other Dependencies: UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05
Test Description:	In Mode-1, when dynamically changing the settings of the Test Session the progress bar indicating the change actions is not blocking.		

Pre Conditions:

- The user must be authenticated to access the TA;
- Multiple valid and invalid messages are available to be sent to TA.

Execution Steps:

Execute the Test Case using multiple messages to be sent to TA in the same time. 1. Log in to the tested system as “Mode-1 Testing Remote Operator”; 2. Start the TA Mode-1 Testing in CD operational mode; 3. Start the test session; 4. Send the prepared messages set to TA in each and all of the TA incoming queues setup up for all TA’s roles; 5. Change the NEA Role from the Test Session Settings section of the Test Execution Control Screen; 6. Repeat step 5 several times and check that the progress bar indicating the dynamic Test Session settings change is not blocking.
Expected Results:
1. The user has logged in successfully; 2. The TA successfully started in CD operational mode; 3. The test session is started; 4. Check test log for message sending. 5. The roles for the TA and NEA are selected; 6. The progress bar indicating the dynamic Test Session settings change is not blocking;
Post Conditions:

7.2.3.2.10 TC141

			TC141
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 09/04/2009
Requirement(s):	• UC-MOD1-MMAN-11 • UC-CMN-COM-01 • SUPL5 • SUPL6 • SUPL7 • SUPL20 • SUPL22 • SUPL23 • SUPL53		Other Dependencies: UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05
Test Description:	Test that TA ensures the consistence of the business state. Tests that the operator is not allowed opening a new Test Session while another one is still in closing process.		

Pre Conditions: • The user must be authenticated to access the TA; • Multiple valid and invalid messages are available to be sent to TA;
Execution Steps:
Execute the Test Case using multiple messages to be sent to TA in the same time. 1. Log in to the tested system as “Mode-1 Testing Remote Operator”; 2. Start the TA Mode-1 Testing in CD operational mode; 3. Start the test session; 4. Send the prepared messages set to TA in the TA incoming queue according to the TA role; 5. Immediately stop the Test Session and try to start a new one.
Expected Results:
1. The user has logged in successfully; 2. The TA successfully started in CD operational mode; 3. The test session is started; 4. In the console log window check the status for message sent. 5. When attempting to start a new test session the user receives the ‘Previous Test Session stop is still in progress. Please try again later’. Please note that this notification will only be displayed if the operator manages to stop and start a new Test Session fast enough.
Post Conditions:

7.2.3.2.11 TC142

			TC142
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 09/05/2011
Requirement(s):			Other Dependencies: UC-MOD1-LOG-05
Test Description:	Test that TA can handle potential de-synchronization of the settings and possible inappropriate error messages displayed in case of unpredicted incident triggers.		

Pre Conditions:

- The user must be authenticated to access the TA;
- Multiple valid messages are available to be sent to TA;

Execution Steps:

Execute the Test Case using multiple messages to be sent to TA in the same time.

1. Login as Mode-1 Operator and start a new Test Session with the following settings: TA is Destination, NEA is Dispatch;
2. The Cookies be deleted successfully.;
3. The Operator is logged off TA or the GUI becomes unresponsive, but with an ERROR entry in the logs - in this case press Logoff button;
4. The Operator is sent to the Test Session Configuration Screen;
5. The test session can be setup successfully;
6. An active Test Session is already enabled there, with the old settings in place (TA Dest, NEA Disp);
7. At login time the re-synchronisation should have taken place and no error message pop up.

Expected Results:

1. Login as Mode-1 Operator and start a new Test Session with the following settings: TA is Destination, NEA is Dispatch;
2. The Cookies be deleted successfully;
3. The Operator is logged off TA;
4. The Operator is sent directly to the Test Session Configuration Screen, where the old Test Session is already enabled;
5. The test session can be setup successfully;
6. An active Test Session is already enabled there;
7. At login time the re-synchronisation should have taken place and no error message pop up.

Post Conditions:

7.2.3.2.12 TC146

			TC146
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 16/11/2009
Requirement(s):	• UC-MOD1-MMAN-11 • UC-CMN-COM-01 • SUPL5 • SUPL6 • SUPL7 • SUPL20 • SUPL22 • SUPL23 • SUPL53 • UC-MOD2-CORE-17 • SUPL43		Other Dependencies: UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05 UC-MOD2-CORE-16 UC-CMN-COM-03 UC-CMN-COM-01 UC-MOD2-LOG-21 UC-MOD2-LOG-22 UC-MOD2-CORE-20 UC-MOD2-ARCH-25 UC-MOD2-CORE-19 UC-MOD2-CORE-20
Test Description:	Test that TA ensures the consistence of the business state and notification for test scenario execution when the other test scenario is		

	running.

Pre Conditions:

- The user must be authenticated to access the TA;
- Multiple valid messages are available to be sent to TA;

Execution Steps:

Execute the Test Case using all the following messages: IE701.

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Start the TA Mode-1 Testing in CD operational mode;
3. Start the test session;
4. Send the prepared messages set to TA in the TA incoming queue according to the TA role;
5. Perform many dynamic changes of the Test Session settings, perform quick stops of the Test Session;
6. Meanwhile, log into mode-2 operator and perform as a Mode-2 Operator multiple Scenarios executions. Verify that the “Previous Scenario still in progress. Please try again later” notification.

Expected Results:

1. The user has logged in successfully;
2. The TA successfully started in CD operational mode;
3. The test session is started;
4. In the console log window check the status for message sent;
5. When attempting to start a new test session the user receives the ‘Previous Test Session is still in progress. Please try again later’. Please note that this notification will only be displayed if the operator manages to stop and start a new Test Session fast enough;
6. The “Previous Scenario still in progress. Please try again later” notification, if present, is not persistent and does not prevent the operations for a long time.

Post Conditions:

7.2.3.3 Message Receiving

7.2.3.3.1 TC055

			TC055
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 08/04/2009
Requirement(s):	• UC-MOD1-MMAN-12 • SUPL20 • SUPL23 • UC-CMN-COM-03		Other Dependencies: UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05
Test Description:	Test that the application is able to receive messages in CD Operational Mode.		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

Execute the Test Case using all the following messages: IE701, IE702, IE801, IE802, IE810, IE813, IE818, IE821, IE837, IE904, IE905, IE906 and IE917.

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Start the TA Mode-1 Testing in CD operational mode;
3. Start the test session;
4. Select the role to be played by the TA and NEA;
5. Create and send valid Common Domain message to TA;
6. Examine in the logs if the message was successfully received.

Expected Results:

1. The user has logged in successfully; 2. The TA successfully started in CD operational mode; 3. The test session is started; 4. The roles for the TA and NEA are selected; 5. A valid Common Domain message is created and sent to the TA; The message was successfully received; 6. A log record incorporating: name of the IE, outcome of validations, IE in XML format, any parameter of the send command, date and time of sending, instantiation data used, is created.
Post Conditions:

7.2.3.3.2 TC056

			TC056
[Removed]	Test Mode: Manual	Test Method: Positive/Negative	Last Updated: 09/04/2009
Requirement(s):	• UC-MOD1-MMAN-12		Other Dependencies: UC-CMN-COM-03 UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05
Test Description:	Test that the application checks if the IE type is permitted when receiving ED messages in CD Operational Mode.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
1. Log in to the tested system as “Mode-1 Testing Remote Operator”; 2. Start the TA Mode-1 Testing in CD operational mode; 3. Start the test session; 4. Select the role to be played by the TA and NEA; 5. Create and send to TA a valid External Domain (IE815) message; 6. Select to continue the receiving process; 7. Examine in the logs if the message was successfully received.			
Expected Results:			
1. The user has logged in successfully; 2. The TA successfully started in CD operational mode; 3. The test session is started; 4. The roles for the TA and NEA are selected; 5. A valid External Domain message is created and sent to the TA and a warning "IE type is not permitted. Continue receiving?" is displayed; 6. The receiving process continues; 7. The message has been received and the errors have been logged.			
Post Conditions:			

7.2.3.3.3 TC057

			TC057
[Removed]	Test Mode: Manual	Test Method: Positive/Negative	Last Updated: 09/04/2009
Requirement(s):	• UC-MOD1-MMAN-12 • UC-CMN-COM-01		Other Dependencies: UC-CMN-COM-03 UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05
Test Description:	Test that the application performs semantic validation on the messages received in CD Operational Mode.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			

Execute the Test Case using all the following messages: IE701, IE702, IE801, IE802, IE810, IE813, IE818, IE821, IE837, IE904, IE905, IE906 and IE917.

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Start the TA Mode-1 Testing in CD operational mode;
3. Start the test session;
4. Select the role to be played by the TA and NEA.;
5. Create and send to TA an invalid Common Domain message with semantic violation that is not DDNEA [R4] compliant;
6. Select to continue the receiving process;
7. Examine in the logs.

Expected Results:

1. The user has logged in successfully;
2. The TA successfully started in CD operational mode;
3. The test session is started;
4. The roles for the TA and NEA are selected;
5. An invalid Common Domain message with semantic violation was created and sent to the TA and an "IE is not semantically valid. Continue receiving?" warning is displayed;
6. The receiving process continues;
7. The errors have been logged.

Post Conditions:

7.2.3.3.4 TC058

			TC058
[Removed]	Test Mode: Manual	Test Method: Positive/Negative	Last Updated: 09/04/2009
Requirement(s):	• UC-MOD1-MMAN-12 • UC-CMN-COM-01		Other Dependencies: UC-CMN-COM-03 UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05
Test Description:	Test that the application performs syntactic validation on the messages received in CD Operational Mode.		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

Execute the Test Case using all the following messages: IE701, IE702, IE801, IE802, IE810, IE813, IE818, IE821, IE837, IE904, IE905, IE906 and IE917.

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Start the TA Mode-1 Testing in CD operational mode;
3. Start the test session;
4. Select the role to be played by the TA and NEA;
5. Create and send to TA an invalid Common Domain message with syntactic violation, not DDNEA [R4] compliant;
6. Select to continue the receiving process;
7. Examine in the logs.

Expected Results:

1. The user has logged in successfully;
2. The TA successfully started in CD operational mode;
3. The test session is started;
4. The roles for the TA and NEA are selected and TA creates;
5. An invalid Common Domain message with syntactic violation was created and sent to the TA and "IE is not syntactically valid. Continue receiving?" warning is displayed;
6. The receiving process continues;
7. The errors have been logged.

Post Conditions:

7.2.3.3.5 TC059

			TC059
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 09/04/2009
Requirement(s):	• UC-MOD1-MMAN-12 • UC-CMN-COM-03		Other Dependencies: UC-CMN-COM-03 UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05
Test Description:	Test that the application is able to receive messages in ED Operational Mode.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
Execute the Test Case using all the following messages: IE801, IE802. 1. Log in to the tested system as “Mode-1 Testing Remote Operator”; 2. Start the TA Mode-1 Testing in ED operational mode; 3. Start the test session; 4. Select the role to be played by the TA and NEA; 5. Create and send to TA a valid External Domain message; 6. Examine the logs.			
Expected Results:			
1. The user has logged in successfully; 2. The TA successfully started in ED operational mode; 3. The test session is started; 4. The roles for the TA and NEA are selected; 5. A valid External Domain message is created and sent to the TA; 6. The message was successfully received.			
Post Conditions:			

7.2.3.3.6 TC060

			TC060
[Removed]	Test Mode: Manual	Test Method: Positive/Negative	Last Updated: 26/02/2009
Requirement(s):	• UC-MOD1-MMAN-12		Other Dependencies: UC-CMN-COM-03 UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05
Test Description:	Test that the application checks if the IE type is permitted when is receiving CD messages in ED Operational Mode.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
1. Log in to the tested system as “Mode-1 Testing Remote Operator”; 2. Start the TA Mode-1 Testing in ED operational mode; 3. Start the test session; 4. Select the role to be played by the TA and NEA; 5. Create and send to TA a valid Common Domain message; 6. Select to continue the receiving process; 7. Examine in the logs.			
Expected Results:			

1. The user has logged in successfully;
2. The TA successfully started in ED operational mode;
3. The test session is started;
4. The roles for the TA and NEA are selected;
5. A valid Common Domain message is created and sent to the TA and an "IE is not permitted. Continue receiving?" warning is displayed;
6. The receiving process continues;
7. An error message has been displayed and the errors have been logged.

Post Conditions:

7.2.3.3.7 TC061

			TC061
[Removed]	Test Mode: Manual	Test Method: Positive/Negative	Last Updated: 08/04/2009
Requirement(s):	• UC-MOD1-MMAN-12 • UC-CMN-COM-01		Other Dependencies: UC-CMN-COM-03 UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05
Test Description:	Test that the application performs semantic validation on the messages received in ED Operational Mode.		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

Execute the Test Case using all the following messages: IE801, IE802, and IE803.

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Start the TA Mode-1 Testing in ED operational mode;
3. Start the test session;
4. Select the role to be played by the TA and NEA;
5. Create and send to TA an invalid External Domain message with semantic violation, not DDNEA [R4] compliant;
6. Select to continue the receiving process;
7. Examine in the logs.

Expected Results:

1. The user has logged in successfully;
2. The TA successfully started in ED operational mode;
3. The test session is started;
4. The roles for the TA and NEA are selected;
5. An invalid External Domain message with semantic violation was created and sent to the TA and "IE is not semantically valid. Continue receiving?" warning is displayed;
6. The receiving process continues;
7. The errors have been logged.

Post Conditions:

7.2.3.3.8 TC062

			TC062
[Removed]	Test Mode: Manual	Test Method: Positive/Negative	Last Updated: 08/04/2009
Requirement(s):	• UC-MOD1-MMAN-12 • UC-CMN-COM-01		Other Dependencies: UC-CMN-COM-03 UC-CMN-VALD-32 UC-CMN-VALD-15 UC-MOD1-LOG-05

Test Description:	Test that the application performs syntactic validation on the messages received in ED Operational Mode.
Pre Conditions: The user must be authenticated to access the TA.	
Execution Steps:	
Execute the Test Case using all the following messages IE801, IE802, IE803. 1. Log in to the tested system as “Mode-1 Testing Remote Operator”; 2. Start the TA Mode-1 Testing in ED operational mode; 3. Start the test session; 4. Select the role to be played by the TA and NEA; 5. Create and send to TA an invalid External Domain message with syntactic violation that is not DDNEA [R4] compliant; 6. Select to continue the receiving process; 7. Examine in the logs.	
Expected Results:	
1. The user has logged in successfully; 2. The TA successfully started in ED operational mode; 3. The test session is started; 4. The roles for the TA and NEA are selected; 5. An invalid External Domain message with syntactically violation was created and sent to the TA and "IE is not syntactically valid. Continue receiving?" warning is displayed; 6. The receiving process continues; 7. The errors have been logged.	
Post Conditions:	

7.2.3.4 Update Test Data

7.2.3.4.1 TC063

			TC063
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/05/2009
Requirement(s):	• UC-MOD1-MMAN-34 • SUPL21 • SUPL24		Other Dependencies: UC-MOD1-MMAN-11
Test Description:	Test that the user is able to update the test data during a test-session.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Go to “Mode 1 – Configuration and Run” and select “Test Execution Control Screen”;
3. Setup the required Mode 1 test session parameters:
   - Set “TA Operation Mode”;
   - Set “NEA Role”;
   - Set “TA Country”.
4. Press the “Save” button.
5. Go to “Mode 1 – Configuration and Run” select “Test Execution Control Screen”;
6. Fill the IE instance search related fields:
   Perform a simple search:
   - Select the “IE Type”;

   Or
   - Enter a name in the “By Name” input.

   Or perform an advanced search by checking the “Advanced search”:
   - Select the “IE Type”;
   - Select the “DataSet”;
   - Select the “Sender Role”;
   - Select the “Sender Country”;
   - Select the “Receiver Role”;
   - Select the “Receiver Country”;

   Or
   - Enter a name in the “By Name” input.
7. Press the “Search” button;
8. Click the IE instance you want to clone;
9. The tree leaves are read-only. In order to edit them, press the “Modify” button;
10. The user modifies the tree leaves and provides information for the newly created IE instance:
    - Enter a name in the “Name” input. This is a mandatory field;
    - Enter a description in the “Description” input.
11. Press the “Save” button;
12. Verify the tree leaves were modified;
13. On the "Test Session Settings" press the start button in order to start the session and then press the “Send” in order to send the message.

Expected Results:

1. The user has logged in successfully;
2. All pages are displayed successfully;
3. All Mode 1 test session parameters are set;
4. An appropriate success message is displayed informing the user that the parameters were successfully saved;
5. All pages are displayed successfully;
6. The IE instance search related fields are filled;
7. IE instances that matched the search criteria are displayed;
8. “IE Preview” section is displayed; it contains a tree representation of the IE instance to be modified;
9. The same screen is redisplayed; the tree leaves can be edited;
10. Tree leaves are modified;
11. An appropriate message is displayed indicating that the IE instance was successfully saved;
12. The tree leaves are modified;
13. The message has been sent.

Post Conditions:

7.2.3.4.2 TC064

			TC064
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008

Requirement(s):	• UC-MOD1-MMAN-34	Other Dependencies: UC-MOD1-MMAN-11
Test Description:	Test that the user is able to cancel the updates on the non submitted test data during a test-session.	

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Go to “Mode 1 – Configuration and Run” select “Test Execution Control Screen”;
3. Setup the required Mode 1 test session parameters:
   - Set “TA Operation Mode”;
   - Set “NEA Role”;
   - Set “TA Country”.
4. Press the “Save” button;
   Go to “Mode 1 – Configuration and Run” select “Test Execution Control Screen”;
5. Fill the IE instance search related fields and Press the “Search” button;
6. Click the IE instance you want to clone;
7. The tree leaves are read-only. In order to edit them, press the “Modify” button;
8. The user modifies the tree leaves and provides information for the newly created IE instance:
   - Enter a name in the “Name” input. This is a mandatory field;
   - Enter a description in the “Description” input.
9. Press the “Cancel” button;
10. Verify the tree leaves were not modified;

Expected Results:

1. The user has logged in successfully;
2. All pages are displayed successfully;
3. All Mode 1 test session parameters are set;
4. An appropriate success message is displayed informing the user that the parameters were successfully saved;
5. All pages are displayed successfully;
   IE instances that matched the search criteria are displayed;
6. “IE Preview” section is displayed; it contains a tree representation of the IE instance to be modified;
7. The same screen is redisplayed; the tree leaves can be edited;
8. Tree leaves are modified;
9. The modifications on the IE instance was successfully cancelled;
10. The tree leaves are not modified;

Post Conditions:

7.3 *Mode-2 Testing Functionality*

7.3.1 TP6 – Core

[Removed]		
Test Procedure Name:	Mode 2 - Core	TP06
Description:	This procedure tests the application on scenario setup and execution.	
Test Cases:	• TC065 - Test that the [Removed] or the Mode-2 Testing Remote Operator are able to set up a scenario. • TC135 - Test for scenario and CTP version in Scenario log • TC136 - Test TA for the function to handle CTP. • TC137 - With regards to the display of a scenario content of previous CTP release (specific CTP scenario has been updated • TC066 - Test that the user is able to execute a scenario. • TC067 - Test that the application verifies the sequence of the IEs on the execution of a scenario. • TC068 - Test that the tested system is able to monitor the scenario execution for incorrect messages that contain values incompliant with the XSD, under Mode-2 testing. • TC069 - Test that the tested system monitors the scenario execution for incorrect messages containing misspelled or missing tags according to the XSD, under Mode-2 testing. • TC070 - Test that the tested system monitors the scenario execution for incorrect messages that do not have an XML structure, under Mode-2 testing. • TC071 - Test the proper execution of a scenario in Mode-2 testing. • TC152 - Test the TA Country configurable in the NF CTP Scenarios Screen. • TC157 - NF Scenarios display correct country after the scenario is run and stop. • TC159 - Test in Mode - 2 for sending/receiving of the IE829/IE839 messages.	

7.3.1.1 Set up Scenario

7.3.1.1.1 TC065

			TC065
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/05/2009
Requirement(s):	• UC-MOD2-CORE-16 • SUPL43 • SUPL31 • SUPL32		Other Dependencies: UC-MOD2-CORE-17
Test Description:	Test that the [Removed] or the Mode-2 Testing Remote Operator are able to set up a scenario.		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as Mode-2 Testing Remote Operator;
2. Go to Operation Mode and select Mode 2 Testing;
3. Go to Mode 2 – Configuration and Run and select Scenario Setup and Run;
4. Fill the scenario selection related fields:
   - Select "Source", CTP_DEFINED for preloaded scenarios or MSA_DEFINED for scenarios that are manually uploaded for the specified MSA;
   - Select "Category";
   - Select "Scenario group";
   - Select "NEA Role";
   - Select "Dataset";
   - Select "Functional stage";

   Or
   - Enter a valid/existing name in the "By Name" input;
5. Click on a scenario in order to select the scenario you want to setup;
6. Select "TA Country" in the drop down combobox.

Expected Results:

1. The user has logged in successfully;
2. "Mode 2 Testing" page is displayed correctly;
3. "Scenario Setup and Run." Page is displayed correctly;
4. Data entry has finished;
5. Scenarios that matched the search criteria are displayed; "Scenario Preview" section is displayed; it contains a preview of the scenario to be executed. "Additional settings" section is displayed; it contains the additional settings to be made in order to execute the scenario;
6. The scenario has been set up successfully.

Post Conditions:

Repeat Test Case as [Removed].

7.3.1.1.2 TC135

			TC135
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 23/08/2009
Requirement(s):	• TA-P2-017–Quick CTP upload in TA		
Test Description:	• Display the scenario content in the Setup Scenario Params Log Event screen; • Include the corresponding CTP version in the Setup Scenario Params Log Event screen;		

Pre Conditions: The user must be authenticated to access the TA.
Execution Steps:
1. Log in to the tested system as “Mode -2 Testing Operator”; 2. Go to “Operation Mode” and select “Mode 2 Testing”; Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run”; 3. Select a scenario and press the “start” button in order to start a scenario execution; 4. Go to Mode-2 Setup and Run and on the Test Results choose the Test Session Results tab; 5. On the User Specifications tab press the “search” button to see the active session logged events; 6. Go to the Setup Scenario Params Log Event screen; 7. Check that the scenario is displayed in the Setup Scenario Params Log Event screen; 8. Check that the CTP version is displayed.
Expected Results:
1. The user has logged in successfully; 2. All pages are displayed successfully; 3. The scenario has started. 4. The page is displayed correctly and a search form is displayed; 5. All actions performed by the tested system during the scenario execution are displayed on the screen; 6. The Setup Scenario Params Log Event screen is displayed; 7. The scenario is displayed in the Setup Scenario Params Log Event screen; 8. The CTP version is displayed.
Post Conditions:

7.3.1.1.3 TC136

			TC136
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 23/08/2009
Requirement(s):	• TA-P2-017–Quick CTP upload in TA		
Test Description:	• Implement in TA a mechanism that allows the deletion of CTP templates and scenarios and the quick import of XSDs, CTP templates, scenarios and instantiation data into the database; Provide a Unix shell script (.sh) that will handle the upload operations.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
1. Copy the XSDs taken by the corresponding DDNEA release “APPENDIX H DIRECTORY WITH XML SCHEMAS (XSDS)” at path “\[Removed]”; 2. Copy the templates, scenarios and instantiation data exported from CTP in “TA-DataService\src\main\resources” template, scenario or instantiation data directory respectively; 3. Run the initCTPRepositories script and check the status in the console and in the log files.			
Expected Results:			
In the Setup Scenario Params Log Event the CTP version is displayed			
Post Conditions:			

7.3.1.1.4 TC137

			TC137
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 23/08/2009
Requirement(s):	• TA-P2-017–Quick CTP upload in TA		

Test Description:	With regards to the display of a scenario content of previous CTP release (specific CTP scenario has been updated).

Pre Conditions:

- Scenario A in CTPv1.X has been updated in CTPv1.Y.
- CTPv1.X and CTPv1.Y are available.

Execution Steps:

Upload CTP release version **X** as indicated in TC136 and execute the following steps:

1. Log in to the tested system as “Mode -2 Testing Operator”;
2. Go to “Operation Mode” and select “Mode 2 Testing”; Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run”;
3. Select scenario **A** and press the “start” button in order to start a scenario execution;
4. Stop the session and provide name.
   Upload CTP release version **Y** as indicated in TC136 and execute the following steps:
5. Log in to the tested system as “Mode -2 Testing Operator”;
6. Go to “Operation Mode” and select “Mode 2 Testing”;
7. Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run” and on the “Test Results” choose the “Scenarios Execution Results”;
8. Search by the name of session provided in step 4;
9. Choose the Setup Scenario Params Log Event.

Expected Results:

1. The user has logged in successfully;
2. All pages are displayed successfully;
3. The scenario has started.
4. The session can be stopped.
5. The user has logged in successfully;
6. All pages are displayed successfully;
7. The Setup Scenario Params Log Event screen is displayed;
8. Check that the scenario is displayed in the Setup Scenario Params Log Event screen;
9. Check that the CTP version is displayed.

Post Conditions:

7.3.1.2 Execute Scenario

7.3.1.2.1 TC066

			TC066
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 10/06/2008
Requirement(s):	• UC-MOD2-CORE-17 • SUPL43		Other Dependencies: UC-MOD2-CORE-16 UC-CMN-COM-03 UC-CMN-COM-01 UC-MOD2-LOG-21 UC-MOD2-LOG-22 UC-MOD2-CORE-20 UC-MOD2-ARCH-25 UC-MOD2-CORE-19 UC-MOD2-CORE-20
Test Description:	Test that the [Removed] and the Mode -2 Testing Operator are able to execute a scenario.		

Pre Conditions:

- The user must be authenticated to access the TA;
- The Conformance Test generic data set or the erroneous data set are loaded;
- Scenario has been set up;
- Scenario has been already executed prior to the initiation of the scenario of this Test Case.

Execution Steps:

1. Log in to the tested system as “Mode -2 Testing Operator”; 2. Go to “Operation Mode” and select “Mode 2 Testing”; Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run”; 3. Select a scenario and press the “start” button in order to start a scenario execution; 4. Go to Mode-2 Setup and Run and on the Test Results choose the Test Session Results tab; 5. On the User Specifications tab press the “search” button to see the active session logged events.
Expected Results:
1. The user has logged in successfully; 2. All pages are displayed successfully; 3. The scenario has started; 4. The page is displayed correctly and a search form is displayed; 5. All actions performed by the tested system during the scenario execution are displayed on the screen.
Post Conditions:
Repeat Test Case as [Removed].

7.3.1.2.2 TC159

			TC066
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 07/06/2010
Requirement(s):	• UC-MOD2-CORE-17		Other Dependencies: UC-MOD2-CORE-16 UC-CMN-COM-03 UC-CMN-COM-01 UC-MOD2-LOG-21 UC-MOD2-LOG-22 UC-MOD2-CORE-20 UC-MOD2-ARCH-25 UC-MOD2-CORE-19 UC-MOD2-CORE-20
Test Description:	Test in Mode - 2 for sending/receiving of the IE829/IE839 messages.		

Pre Conditions: • The user must be authenticated to access the TA; • The Conformance Test generic data set or the erroneous data set are loaded; • Scenario has been set up; • Scenario has been already executed prior to the initiation of the scenario of this Test Case.
Execution Steps:
1. Log in to the tested system as “Mode - 2 Testing Operator”; 2. Go to “Operation Mode” and select “Mode - 2 Testing”; Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run”; 3. Select a scenario BS - 16 (a) and press the “start” button in order to start a scenario execution; 4. Go to Mode-2 Setup and Run and on the Test Results choose the Test Session Results tab; 5. On the User Specifications tab press the “search” button to see the active session logged events.
Expected Results:
1. The user has logged in successfully; 2. All pages are displayed successfully; 3. The scenario has started; 4. The page is displayed correctly and a search form is displayed; 5. All actions performed by the tested system during the scenario execution are displayed on the screen.
Post Conditions:
Repeat Test Case for following scenarios: BS - 16 (b), BS - 16 (c), BS - 16 (e), CL – 18, EH – 16, EH – 18, FV – 829, FV – 839, MF – 829, MF – 839.

7.3.1.2.3 TC067

			TC067
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD2-CORE-17 • UC-MOD2-CORE-20		Other Dependencies: UC-MOD2-CORE-16 UC-CMN-COM-03 UC-CMN-COM-01 UC-MOD2-LOG-21 UC-MOD2-LOG-22 UC-MOD2-CORE-20 UC-MOD2-ARCH-25 UC-MOD2-CORE-19 UC-MOD2-CORE-20
Test Description:	Test that the application is able to verify the sequence of the IEs on the execution of a scenario.		

Pre Conditions:

- The user must be authenticated to access the TA;
- Scenario has been set up.

Execution Steps:

1. Log in to the tested system as “Mode -2 Testing Operator”;
2. Select to start a scenario execution that defines that the NEA under test sends the first IE to the TA;
3. Send from the NEA under test to TA a different IE message type from the one described in the scenario steps (for example according to the scenario TA should receive an IE 801 but instead of that NEA sent an IE818);
4. Verify the results of the scenario execution on the Test Session Results page;
5. Select to view the logged event marked as “IE Verification Log Event”;
6. Select to view the logged event marked as “Scenario Completion Log Event”.

Expected Results:

1. The user has logged in successfully;
2. The scenario execution starts;
3. The IE message is successfully received from the TA;
4. The tested system has logged events for the specific session;
5. The “IE Verification Log Event “ contains an entry indicating that “IE Sequence Validation Result - Failed “ and that a different IE message was received than the one expected by the tested system;
6. The “Scenario Completion Log Event “has registered the scenario as “failed”.

Post Conditions:

Repeat Test Case for different sequence of IE messages.

7.3.1.2.4 TC068

			TC068
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD2-CORE-17 • UC-MOD2-CORE-19		Other Dependencies: UC-MOD2-CORE-16 UC-CMN-COM-03 UC-CMN-COM-01 UC-MOD2-LOG-21 UC-MOD2-LOG-22 UC-MOD2-CORE-20 UC-MOD2-ARCH-25 UC-MOD2-CORE-20
Test Description:	Test that the tested system is able to monitor the scenario execution for incorrect messages that contain values incompliant with the XSD, under Mode-2 testing.		
Pre Conditions: • The user must be authenticated to access the TA; • Scenario has been set up.			
Execution Steps:			
1. Log in to the tested system as “Mode -2 Testing Operator”; 2. Select to start a scenario execution that defines that the NEA under test sends the first IE; 3. Prepare a message with IE type the one specified in the scenario. The file should contain a value that is erroneous according to the XSDs of the application. (For example a date with wrong format); 4. Send from the NEA under test the IE message to the TA; 5. Select to view Test Session Results and check the validation results on the “IE Verification Log Event”; 6. Preview the “Scenario Completion Log Event “			
Expected Results:			
1. The user has logged in successfully; 2. The scenario execution starts; 3. The file is successfully created; 4. The message is received by the TA and the tested system makes a log entry for the IE received; 5. The “IE Verification Log Event” is indicating that the specific IE message failed to be validated against its XSD and contains information on the kind of violation occurred during the process of the IE message; 6. The scenario is flagged as failed in the logs of the scenario execution.			
Post Conditions:			

7.3.1.2.5 TC069

			TC069
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD2-CORE-17		Other Dependencies: UC-MOD2-CORE-16 UC-CMN-COM-03 UC-CMN-COM-01 UC-MOD2-LOG-21 UC-MOD2-LOG-22 UC-MOD2-CORE-20 UC-MOD2-ARCH-25 UC-MOD2-CORE-19 UC-MOD2-CORE-20
Test Description:	Test that the tested system monitors the scenario execution for incorrect		

	messages containing misspelled or missing tags according to the XSD, under Mode-2 testing.

Pre Conditions:

- The user must be authenticated to access the TA;
- Scenario has been set up.

Execution Steps:

1. Log in to the tested system as “Mode -2 Testing Operator”;
2. Select to start a scenario execution that defines that the NEA under test sends the first IE;
3. Prepare a message with IE type the one specified in the scenario. The file should contain a missing or misspelled tag according to the XSDs of the application. (The tag should be misspelled, or both starting and closing tags and the value contained in the tag should be removed);
4. Send from the NEA under test the IE message to the TA;
5. Select to view Test Session Results and check the validation results on the “IE Verification Log Event”;
6. Preview the “Scenario Completion Log Event “

Expected Results:

1. The user has logged in successfully;
2. The scenario execution starts;
3. The file is successfully created;
4. The message is received by the TA and the tested system makes a log entry for the IE received;
5. The “IE Verification Log Event” is indicating that the specific IE message failed to be validated against its XSD and contains information for the misspelled or missing tag;
6. The scenario is flagged as failed in the logs of the scenario execution.

Post Conditions:

7.3.1.2.6 TC070

			TC070
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD2-CORE-17		Other Dependencies: UC-MOD2-CORE-16 UC-CMN-COM-03 UC-CMN-COM-01 UC-MOD2-LOG-21 UC-MOD2-LOG-22 UC-MOD2-CORE-20 UC-MOD2-ARCH-25 UC-MOD2-CORE-19 UC-MOD2-CORE-20
Test Description:	Test that the tested system monitors the scenario execution for incorrect messages that do not have an XML structure, under Mode-2 testing.		

Pre Conditions:

- The user must be authenticated to access the TA;
- Scenario has been set up;
- The field by field verification service is enabled.

Execution Steps:

1. Log in to the tested system as “Mode -2 Testing Operator”;
2. Select to start a scenario execution that defines that the NEA under test sends the first IE;
3. Prepare a message with IE type the one specified in the scenario. The file should not have the valid IE type structure (For example just delete an end tag in the IE *.xml);
4. Send from the NEA under test the IE message to the TA;
5. Select to view Test Session Results and check the validation results on the “IE Verification Log Event”;
6. Preview the “Scenario Completion Log Event“.

Expected Results:

1. The user has logged in successfully;
2. The scenario execution starts;
3. The file is successfully created;
4. The message is received by the TA and the tested system makes a log entry for the IE received.
5. The “IE Verification Log Event” is indicating that the specific IE message failed to be validated against its XSD;
6. The scenario is flagged as failed in the logs of the scenario execution.

Post Conditions:

7.3.1.2.7 TC071

			TC071
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 26/02/2009
Requirement(s):	• UC-MOD2-CORE-17 • UC-MOD2-CORE-19 • UC-MOD2-CORE-20		Other Dependencies: UC-MOD2-CORE-16 UC-CMN-COM-03 UC-CMN-COM-01 UC-MOD2-LOG-21 UC-MOD2-LOG-22 UC-MOD2-CORE-20 UC-MOD2-ARCH-25 UC-MOD2-CORE-20
Test Description:	Test the proper execution of a scenario in Mode-2 testing		

Pre Conditions:

- The user must be authenticated to access the TA;
- Scenario has been set up;
- The field by field verification service is enabled.

Execution Steps:

1. Log in to the tested system as “Mode -2 Testing Operator”;
2. Go to “Operation Mode” and select “Mode 2 Testing”; Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run”;
3. Select to start a scenario execution that specifies the exchange of correct message instances;
4. Send the appropriate messages for the proper scenario execution;
5. Go to “Mode-2 Setup and Run” and on the “Test Results” choose the “Test Session Results” tab;
6. Check the scenario execution logs;
7. Verify the scenario execution results.

Expected Results:

1. The user has logged in successfully;
2. All pages are displayed successfully;
3. The scenario execution starts;
4. All messages have been sent;
5. The search form is displayed successfully;
6. Field by field verification service is enabled. Scenario execution log is not empty. More specifically verify that:
    - For every TA role, all messages were sent;
    - For every TA role all expected messages were received (Expected is considered the pre-defined format of a message exchanged during a scenario execution. The Expected messages are not always uniquely pre-defined for each scenario execution thus TA is able to allow alternative message sequence exchanges within one CTP scenario);
    - No extra messages were generated by a TA role (for example IE906 or IE917messages);
    - No extra messages were received by a TA role, besides the expected messages (as predefined in the script).
7. There are checkpoints indicating that the scenario (scenario name) concluded and is marked as passed or failed.

Post Conditions:

Repeat Test Case as [Removed].

7.3.1.2.8 TC152

			TC152
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 01/03/2010
Requirement(s):			Other Dependencies: • UC-MOD2-CORE-17 • SUPL54
Test Description:	TA Country configurable in the NF CTP Scenarios Screen		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
1. Login as Mode-2 Operator and access the Non Functional CTP Scenarios Setup&Run Screen; 2. Select the country to be played by TA, before running each one of the NF scenarios; 3. Run each one of the NF scenarios; 4. Check in the logs.			
Expected Results:			
1. Successfully able to log in and access Scenarios Setup&Run Screen; 2. Country selected; 3. NF scenarios are ran; 4. That the messages sent by TA are instantiated according to the country selected and the Operator's country. Example: NDEA.GR NDEA.DE			
Post Conditions:			

7.3.1.2.9 TC157

			TC157
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 11/03/2010
Requirement(s):			Other Dependencies: • UC-MOD2-CORE-17
Test Description:	NF Scenarios display correct country after the scenario is run and stop		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
1. Login as Mode-2 Operator, go to NF Scenario Execution screen; 2. Choose the TA country (e.g., "BE"); 3. Start the NF-3 scenario; 4. Go to the Test Session Results screen and press Search; 5. Go back to the NF Scenario Execution screen ; 6. Stop the NF-3 Scenario.			
Expected Results:			
1. Login Successful and NF scenarios screen is displayed correctly; 2. TA country is chosen(e.g., "BE"); 3. TA country combo box should be disabled with the correct selected country ; 4. Test Session Results screen is displayed; 5. TA country combo box should be disabled, with an correct TA country; 6. Stop the NF-3 Scenario.			
Post Conditions:			

7.3.2 TP7 – Logging

[Removed]	

Test Procedure Name:	Mode 2 - Logging	**TP07**
Description:	These Test Cases check the proper logging of test sessions under the Mode-2 Remote Testing Operation mode.	
Test Cases:	• TC072 - This Test Case checks if TA application creates a master log file for any scenario execution. • TC073 - Test that TA logs events that are marked as “Network Operation” • TC074 - Test that TA logs events that are marked as “An IE sent to the NEA under test” • TC075 - Test that TA logs events that are marked as “An IE received from the NEA under test” • TC076 - Test that TA logs events that are marked as “IE verification” • TC077 - Test that TA logs events that are marked as “generation of an ARC” • TC078 - Test that the user is able to view the scenario logs. • TC079 - Test that the user is able to view summary logs (checkpoints) • TC080 - Test that the user is able to view all logged scenario executions in the results of a test session • TC081 - Test that the user is able to view all logged scenario executions for a single day in the results of a test session • TC082 - Test that the user is able to view all logged scenario executions for a period in the results of a test session • TC128 - Start the session for the non-functional scenario that is related with the submission of 1000 erroneous IE801 messages and receipt and measurement of max and average response time of the corresponding IE917 and try to print a report that contains more than 2000 log events. • TC150 - Test that the user is able to view logs and TA processes the log successfully. • TC153 - Test the TA field by field comparison does not consider spaces between tags. • TC156 - Test the UTF-8 Encoding Fix. • TC162 - Test that TA logs events that are marked as “Scenario Completion log”.	

7.3.2.1 Log Scenario Execution

7.3.2.1.1 TC072

			TC072
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD2-LOG-21 • SUPL45 • SUPL10		Other Dependencies: UC-MOD2-LOG-22
Test Description:	This Test Case checks if TA application creates a master log file for any scenario execution.		
Pre Conditions: A scenario should have been executed.			
Execution Steps:			
1. Log in to the tested system as “Mode -2 Testing Operator”; 2. Go to “Operation Mode” and select “Mode 2 Testing”; 3. Go to “Mode-2 Setup and Run” and on the “Test Results” choose the “Scenarios Execution Results” tab; 4. Unselect the “Active Session” and press the search button.			
Expected Results:			
1. The user has logged in successfully; 2. All pages are displayed successfully; 3. The page is displayed correctly and a search form is displayed; 4. The tested system creates checkpoint entries for each role that the TA plays in the scenario execution. Each entry contains: • All information text displayed to the remote user; • All messages concerning 'send' and 'receive' operations, including reports received; • All errors occurred: • Message received out of sequence; • Syntactic violation of the message.			
Post Conditions:			
Repeat Test Case as [Removed].			

7.3.2.1.2 TC153

			TC153
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 01/03/2010
Requirement(s):			Other Dependencies: UC-MOD2-LOG-23
Test Description:	TA field by field comparison does not consider spaces between tags.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			

1. Prepare an IE905 dataset H XML file as required by the AP-09_1 scenario; 2. Trim/eliminate all the whitespaces/blanks/tabs between the tags in order to render the whole XML content in a single line: Example: <AAA> <BBB>value</BBB> </AAA> To <AAA><BBB>value</BBB></AAA>. 3. Login as Mode-2 Operator; 4. Select the AP-09_1 scenario from the Scenario Setup&Run screen; 5. Enable the "Check field by field" box; 6. Start the scenario execution; wait for the first two steps to be executed (TA sends); 7. Send to TA the IE905 prepared in step1 to 2 above; 8. Check the log.
Expected Results:
1. IE905 is created; 2. All Whitespaces/blanks/tabs are trimmed; 3. The user has logged in successfully; 4. AP-09_1 scenario is found from the Scenario Setup&Run screen; 5. Check Box is enabled; 6. Scenario is started; 7. TA is send and Scenario is completed; 8. From the Test Session Results Screen, no Compare IE Result error should be issued.
Post Conditions:

7.3.2.2 Log Event

7.3.2.2.1 TC073

			TC073
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD2-LOG-22 • SUPL10		Other Dependencies: UC-MOD2-LOG-21 SUPL10 TC066
Test Description:	Test that TA logs that are marked as "Network Operation".		
Pre Conditions: A Network problem has occurred or the connection with the CCN/CSI has been lost.			
Execution Steps:			
1. Log in to the tested system as "Mode -2 Testing Operator"; 2. Go to "Operation Mode" and select "Mode 2 Testing". On "Mode 2 – Configuration and Run" select "Scenario Setup and Run"; 3. Disable the connection with the CCN/CSI queues (for example disable the port daemon); 4. Choose a scenario and press the start button; 5. Go to Mode-2 Setup and Run and on the Test Results choose the Scenarios Execution Results tab; 6. Press the search button; 7. Select to view the "Network Operation Log Event"			
Expected Results:			

1. The user has logged in successfully;
2. All pages are displayed successfully;
3. The connection with CCN/CSI queues has been disabled successfully;
4. The scenario has started;
5. The page is displayed correctly and a search form is displayed;
6. The tested system returns a list of logged events for the current session;
7. The Event contains information about:
    - The tested system creates log entries for the queue operations/events that are performed;
    - The tested system creates distinct entries for each role that the TA plays in the scenario execution.

Post Conditions:

Repeat Test Case as [Removed].

7.3.2.2.2 TC074

			TC074
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD2-LOG-22		Other Dependencies: UC-MOD2-LOG-21 TC066
Test Description:	Test that TA logs events that are marked as “An IE sent to the NEA under test”.		

Pre Conditions: The execution of a scenario is initiated.

Execution Steps:

1. Log in to the tested system as “Mode -2 Testing Operator”;
2. Go to “Operation Mode” and select “Mode 2 Testing”. On “Mode 2 – Configuration and Run” select “Scenario Setup and Run”;
3. Choose a scenario in which the TA sends a message on the NEA under test and press the start button in order to start the scenario execution;
4. Go to Mode-2 Setup and Run and on the Test Results choose the Test Session Results tab;
5. Press the search button;
6. Preview the “IE Sent Log Event”.

Expected Results:

1. The user has logged in successfully;
2. All pages are displayed successfully;
3. The scenario has started;
4. The page is displayed correctly and a search form is displayed;
5. The tested system returns a list of logged events for the current session;
6. The entry contains information about the following:
    - The actual queue where the message is placed;
    - The queue where the CCN/CSI replies are expected;
    - The message data.

Post Conditions:

Repeat Test Case as [Removed].

7.3.2.2.3 TC156

			TC156
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 01/03/2010
Requirement(s):			Other Dependencies: UC-MOD2-LOG-22
Test Description:	UTF-8 Encoding Fix		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Prepare an IE801 as follows and save the file Prepare an instantiated IE801 XML file to be used in a AP-05_1 scenario. Insert UTF-8 characters in some of the tag values e.g. ……. Latin-1:©½ÅÄÖÆÊËØÜßÐÑ¥ Greek:ΆΈΔΖΘΞΣήαβζπσφ Cyrillic:ЉЂЋЧИПШЮ Hebrew:המלכקש Arabic:تتدخذصشطق …….. 2. Login as Mode-2 Operator; Please make sure that the browser used is Internet Explorer; 3. Start the AP-05_1 scenario from the Scenario Setu&Run Screen; 4. Send the IE801 to TA; 5. Check the Log;
1. IE801 is created as in step 1 above; 2. Logged in successful; 3. AP-05_1 scenario found and started from the Scenario Setup&Run Screen; 4. IE801 is sent; 5. Look at the received message in TA's Test Session Results; XML content is properly displayed in UTF-8 format.

7.3.2.2.4 TC075

			TC075
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD2-LOG-22		Other Dependencies: UC-MOD2-LOG-21 TC066
Test Description:	Test that TA logs events that are marked as "An IE received from the NEA under test"		

Pre Conditions:

Execution Steps:

1. Log in to the tested system as "Mode -2 Testing Operator";
2. Go to "Operation Mode" and select "Mode 2 Testing". On "Mode 2 – Configuration and Run" select "Scenario Setup and Run";
3. Choose a scenario in which the TA receives a message on the NEA under test and press the start button in order to start the scenario execution;
4. Send the message to TA;
5. Go to "Mode-2 Setup and Run" and on the "Test Results" choose the "Test Session Results" tab;
6. Press the search button;
7. Preview the "IE Received Log Event"

Expected Results:

1. The user has logged in successfully;
2. All pages are displayed successfully;
3. The scenario has started;
4. The message has been received;
5. The page is displayed correctly and a search form is displayed;
6. The tested system returns a list of logged events for the current session;
7. The entry contains information about the following:
   - The actual queue from where the message is received;
   - The queue where the CCN/CSI replies are expected;
   - The message data.

Post Conditions:

Repeat Test Case as [Removed].

7.3.2.2.5 TC076

			TC076
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD2-LOG-22		Other Dependencies: UC-MOD2-LOG-21 TC066
Test Description:	Test that TA logs events that are marked as “IE verification”		
Pre Conditions:			
Execution Steps:			
1. Log in to the tested system as “Mode -2 Testing Operator”; 2. Go to “Operation Mode” and select “Mode 2 Testing”. On “Mode 2 – Configuration and Run” select “Scenario Setup and Run”; 3. Choose a scenario in which the TA receives a message on the NEA under test and press the start button in order to start the scenario execution. 4. Send the message to TA; 5. Go to “Mode-2 Setup and Run” and on the “Test Results” choose the “Test Session Results” tab; 6. Press the search button; 7. Preview the “IE Verification Log Event”.			
Expected Results:			
1. The user has logged in successfully; 2. All pages are displayed successfully; 3. The scenario has started; 4. The message has been received; 5. The page is displayed correctly and a search form is displayed; 6. The tested system returns a list of logged events for the current session; 7. The entry contains information about the following: • The overall outcome of the verification (correct or errors found); • An indication of the kind of error, namely; • Error during IE structure verification; • Error during Value Format verification; • Error during Codelist verification.			
Post Conditions:			
Repeat Test Case as [Removed].			

7.3.2.2.6 TC077

			TC077
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 10/06/2008
Requirement(s):	• UC-MOD2-LOG-22		Other Dependencies: UC-MOD2-LOG-21 TC066
Test Description:	Test that TA logs events that are marked as “ARC generation”		
Pre Conditions: The execution of a scenario is initiated.			
Execution Steps:			

1. Log in to the system as “Mode -2 Testing Operator”; 2. Go to “Operation Mode” and select “Mode 2 Testing”. On “Mode 2 – Configuration and Run” select “Scenario Setup and Run”; 3. Choose a scenario in which the TA sends a message on the NEA under test and press the start button in order to start the scenario execution; 4. Go to Mode-2 Setup and Run and on the Test Results choose the Test Session Results tab; 5. Press the search button; 6. Preview the “ARC Generation Log Event”.
Expected Results:
1. The user has logged in successfully; 2. All pages are displayed successfully; 3. The scenario has started; 4. The page is displayed correctly and a search form is displayed; 5. The tested system returns a list of logged events for the current session; 6. The entry contains information about the generation of the ARC.
Post Conditions:
Repeat Test Case as [Removed].

7.3.2.2.7 TC162

			TC162
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 27/04/2011
Requirement(s):			Other Dependencies:
Test Description:	Test that TA logs events that are marked as “Scenario Completion log”		
Pre Conditions: The execution of a scenario is initiated.			
Execution Steps:			
1. Select a scenario in which NEA sends a message to TA; 2. In order to fail the scenario, NEA sends a different message type than expected; 3. Identify and preview “Scenario Completion Log Event” in the “Test Session Results Page”; 4. Wait for test scenario complete and preview the “Scenario Completion Log”.			
Expected Results:			
1. The user has logged in successfully; 2. All pages are displayed successfully; 3. The scenario has started; 4. “Scenario Completion Log” is displayed and can be previewed.			
Post Conditions:			

7.3.2.3 View Results of a Scenario (scenario logs)

7.3.2.3.1 TC078

			TC078
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 03/11/2008
Requirement(s):	• UC-MOD2-LOG-23 • SUPL10		Other Dependencies:
Test Description:	Test that the user is able to view the scenario logs.		
Pre Conditions: • The user must be authenticated to access the TA; • A CTP scenario has been run.			
Execution Steps:			

1. Log in to the tested system as “Mode -2 Testing Operator”;
2. Go to “Operation Mode” and select “Mode 2 Testing”;
3. Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run” and on the “Test Results” choose the “Test Session Results”;
4. Press the search button;
5. Browse all the checkpoints.

Expected Results:

1. The user has logged in successfully;
2. The pages are displayed successfully;
3. The search form is displayed successfully;
4. The log checkpoints are displayed;
5. The following log data is displayed:
   - The logs that are created during the initialisation phase of the scenario;
   - The network operations performed;
   - The messages exchanged (sent or received) during the scenario execution in separate files;
   - The expected message contents;
   - The comparison results between the expected message and the received messages.

Post Conditions:

Repeat Test Case as [Removed].

7.3.2.3.2 TC079

			TC079
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 03/11/2008
Requirement(s):	• UC-MOD2-LOG-23		Other Dependencies:
Test Description:	Test that the user is able to view summary logs (checkpoints)		

Pre Conditions:

- The user must be authenticated to access the TA;
- A CTP scenario has been run.

Execution Steps:

1. Log in to the tested system as “Mode -2 Testing Operator”;
2. Go to “Operation Mode” and select “Mode 2 Testing”;
3. Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run” and on the “Test Results” choose the “Scenarios Execution Results”;
4. On the search form unselect the “active session” and press the search button.

Expected Results:

1. The user has logged in successfully;
2. The pages are displayed successfully;
3. The search form is displayed successfully;
4. The log checkpoints are displayed correctly. They contain summary information of the log event.

Post Conditions:

Repeat Test Case as [Removed].

7.3.2.4 View Results of a Test Session

7.3.2.4.1 TC080

			TC080
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 03/11/2008
Requirement(s):	• UC-MOD2-LOG-24 • SUPL10		Other Dependencies:
Test Description:	Test that the user is able to view all logged scenario executions in the results of a test session		

Pre Conditions:

- The user must be authenticated to access the TA;
- A CTP scenario has been run.

Execution Steps:

1. Log in to the tested system as “Mode -2 Testing Operator”;
2. Go to “Operation Mode” and select “Mode 2 Testing”;
3. Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run” and on the “Test Results” choose the “Scenarios Execution Results” tab;
4. Unselect the “Active Session” and press the search button;
5. Press the “Summary Report” button.

Expected Results:

1. The user has logged in successfully;
2. All pages are displayed successfully;
3. The page is displayed correctly and a search form is displayed;
4. The tested system displays all checkpoint entries for the scenario execution;
5. The report is saved with an automatically generated filename indicating that it is a full session report along with the country and the report creation timestamp.

Post Conditions:

Repeat Test Case as [Removed].

7.3.2.4.2 TC081

			TC081
[Removed] Requirement(s):	Test Mode: Manual • UC-MOD2-LOG-24	Test Method: Positive	Last Updated: 26/02/2009 Other Dependencies:
Test Description:	Test that the user is able to view all logged scenario executions for a single day in the results of a test session.		

Pre Conditions:

- The user must be authenticated to access the TA;
- A CTP scenario has been run.

Execution Steps:

1. Log in to the tested system as “Mode -2 Testing Operator”;
2. Go to “Operation Mode” and select “Mode 2 Testing”;
3. Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run” and on the “Test Results” choose the “Scenarios Execution Results” tab;
4. Unselect the “Active Session” , tick the “Daily Report” checkbox, select the appropriate value for “Session Start Date: From” and press the search button;
5. Press the “Summary Report” button.

Expected Results:

1. The user has logged in successfully;
2. All pages are displayed successfully;
3. The page is displayed correctly and a search form is displayed;
4. The tested system displays all checkpoint entries for the scenario execution whose timestamp is on the day specified;
5. The report is saved with an automatically generated filename indicating the period, the country and the report creation timestamp.

Post Conditions:

Repeat Test Case as [Removed].

7.3.2.4.3 TC082

			TC082
[Removed] Requirement(s):	Test Mode: Manual • UC-MOD2-LOG-24	Test Method: Positive	Last Updated: 26/02/2009 Other Dependencies:
Test Description:	Test that the user is able to view all logged scenario executions for a period in the results of a test session		

Pre Conditions:

- The user must be authenticated to access the TA;
- A CTP scenario has been run.

Execution Steps:

1. Log in to the tested system as “Mode -2 Testing Operator”;
2. Go to “Operation Mode” and select “Mode 2 Testing”;
3. Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run” and on the “Test Results” choose the “Scenarios Execution Results” tab;
4. Unselect the “Active Session” , choose a time period by selecting the appropriate values for “Session Start Date: From” and “Session End Date: To” and press the search button;
5. Press the “Summary Report” button.

Expected Results:

1. The user has logged in successfully;
2. All pages are displayed successfully;
3. The page is displayed correctly and a search form is displayed;
4. The tested system displays all checkpoint entries for the scenario execution whose timestamp is on the day specified;
5. The report is saved with an automatically generated filename indicating the period, the country and the report creation timestamp.

Post Conditions:

Repeat Test Case as [Removed].

7.3.2.4.4 TC128

			TC128
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 26/02/2009
Requirement(s):	• UC-MOD2-LOG-24 • SUPL46		Other Dependencies:
Test Description:	Test that the user is able to print more than 2000 log events.		

Pre Conditions:

Execution Steps:

1. Log in to the tested system as “Mode-2 Testing Remote Operator”;
2. Go to “Mode 2 – Configuration and Run” and select “Non functional CTP scenarios”;
3. Start the session for the non-functional scenario that is related with the submission of 1000 erroneous IE801 messages and receipt and measurement of max and average response time of the corresponding IE917 and wait until all 1000 erroneous IE801 messages are sent;
4. Go to “Mode 2 – Configuration and Run” and select “Test Results” and then “Scenarios Execution Results”;
5. Press the “Search” button;
6. Press the “Detailed Report” button and select the location on the user disk to save the report.

Expected Results:

1. The user has logged in successfully;
2. The non-functional scenarios are displayed correctly;
3. The session started successfully;
4. The “Scenarios Execution Results” page is displayed successfully;
5. All log events are displayed correctly;
6. The pdf report is saved successfully.

Post Conditions:

7.3.2.4.5 TC150

			TC150
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 12/02/2010
Requirement(s):	• UC-MOD2-LOG-23		Other Dependencies:
Test Description:	Test that the user is able to view logs and TA process the log successfully.		

Pre Conditions:

- The user must be authenticated to access the TA.

Execution Steps:

1. Login as a Mode-2 Operator and run completely the scenario BS11_2;
2. Access the Test Session Results Screen and click on “see details” link of the IE Received Log Event (the IE904), note the values of the following entries: <[Removed]> (this is the NEA under test, -non-involved MSA-), <[Removed]> (this is the MSA played by TA as -Dispatch-) and <[Removed]> (the -base ARC-);
3. Check the sent log, the IE905 sent in the second step; has the same -base ARC- from step 2;
4. Click on the “see details” link of the first IE Instantiation Log Event for the IE934 to be sent, check the information referring to the templates TA should use in order to instantiate the IE801 and IE818 to be included in the IE934;
5. Click on the “see details” link of the last IE Instantiation Log Event for the IE801 to be included in the IE934, check <MessageSender> is the same as -Dispatch- in step 2 above and that <MessageRecipient> defines a third NEA i.e. different from NEA under test (–non-involved MSA- in step 3 above);
6. Check the instantiated IE801 content;
7. Click on the “see details” link of the last IE Instantiation Log Event for the IE818 to be included in the IE934;
8. Click on the “see details” link of IE Sent Log Event for the IE934 sent in the last step.

Expected Results:

1. The user has logged in successfully, scenario BS11_2 successfully completed;
2. The pages are displayed successfully;
3. The IE905 sent in the second step has the same -base ARC- from step 2;
4. The information referring to the templates TA used to instantiate the IE801 and IE818 is included in the IE934 – this is defined by the <MessageData> entries and it must be of the form “IE801 D” and “IE818 L”, respectively;
5. The pages are displayed successfully, <[Removed]> is the same as -Dispatch- in step 2 above and that <[Removed]> defines a third NEA i.e. different from NEA under test (–non-involved MSA- in step 2 above);
6. The instantiated IE801 content is based on the template defined in step 5 above – this can be done by comparing the IE801 XML content with either the IE801 template file from the \CTPv1.xx_exported_data\template\IE801\ folder in the TA v.1.1.x patch or, in Mode-1, by using the template search form in the Create IE From Template Screen, <[Removed]> of the IE801 is the same as -base ARC- from step2 above;
7. The pages are displayed successfully; <[Removed]> is the same as -Dispatch- in step 2 above and that <[Removed]> defines a third NEA i.e. different from NEA under test (–non-involved MSA- in step 2 above); the instantiated IE818 content is based on the template defined in step 6 above – this can be done by comparing the IE818 XML content with either the IE818 template file from the \CTPv1.xx_exported_data\template\IE818\ folder in the TA v.1.1.x patch or, in Mode-1, by using the template search form in the Create IE From Template Screen; <[Removed]> of the IE818 is the same as -base ARC- from step2 above;
8. The pages are displayed successfully; <[Removed]> is the same as NEA under test (-non-involved MSA- from step2 above).

Post Conditions:

7.3.3 TP8 – Archiving

[Removed]		
Test Procedure Name:	Mode 2 - Archiving	**TP08**
Description:	This procedure checks the proper archiving of test session results under the Mode-2 Remote Testing Operation mode.	
Test Cases:	• TC083 - Test that the user is able to view a list of archived scenario results and is able to restore scenario execution results.	

7.3.3.1 Restore Archived Scenario Execution Results

7.3.3.1.1 TC083

			TC083
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 10/06/2008
Requirement(s):	• UC-MOD2-ARCH-26 • UC-MOD2-ARCH-25		Other Dependencies: UC-MOD2-CORE-17
Test Description:	Test that the user is able to view a list of archived scenario results and is able to restore scenario execution results.		
Pre Conditions: • The actor has been authenticated to access the application; • The scenario has been executed.			
Execution Steps:			
1. Log in to the tested system as “Mode -2 Testing Operator”; 2. Go to “Operation Mode” and select “Mode 2 Testing”; On “Mode 2 – Configuration and Run” select “Restore Archived Scenario Logs”; 3. On the “Test Session Selection” search menu search for any archived scenario logs; 4. Select the combo box located on the left of the archived logs you want to restore and press the restore button (remember the name of the test session which logs were selected to be restored); 5. Go to the “Scenarios Execution Results”; 6. Uncheck the “Active Session”, on the “Test Session Name” box fill in the name of the session for the logs that were restored in step 4 and press the search button.			
Expected Results:			
1. The user is logged in successfully; 2. The pages are displayed successfully; 3. The search form is displayed successfully; 4. The restored logs are not being displayed on the results anymore; 5. The page is displayed successfully; 6. The restored logs can be reached through the search function.			
Post Conditions:			
Repeat Test Case as [Removed].			

7.3.4 TP9 – Administration

[Removed]		
Test Procedure Name:	Mode 2 - Administration	**TP09**
Description:	This procedure checks the general administration actions under the Mode-2 Remote Testing Operation mode.	
Test Cases:	• TC084 - Test that the user is able to change the Reference Data in the Setup Environment. • TC085 - Test that the user is not able to change the Reference Data in the Setup Environment when loading invalid files. • TC087 - Test that the user is able to change the User Parameters on the Setup Environment page. • TC089 - Test that the user is able to upload a new scenario • TC090 - Test that the user must fill all mandatory fields in order to upload a new scenario. • TC091 - Test that the tested system performs syntactic validation when uploading a new scenario. • TC092 - Test that the tested system validates the scenario for syntactically before saving it on the repository. • TC093 - Test that the tested system checks for unique naming of the scenarios before saving them on the repository. • TC094 - Test that the user is able to delete an existing scenario • TC095 - Test that the user is able to upload a new IE template • TC096 - UC-MOD2-ADMN-36 – Manage IE Templates • TC097 - Test that the application performs syntactic validation on the uploading of new IE templates. • TC098 - Test that the application does not allow the uploading of new IE templates that do not have unique name. • TC099 - Test that the application allows the user to delete an existing template.	

7.3.4.1 Set up Test Environment

7.3.4.1.1 TC084

			TC084
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD2-ADMN-29		Other Dependencies:
Test Description:	Test that the user is able to change the Instantiation Data in the Setup Environment.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
1. Log in to the tested system as "[Removed]"; 2. Select the "Set Up Test Environment" to set up the test environment of a Conformance Test session; 3. Select to load a new set of Instantiation Data into the tested system; 4. Logon on to the system database and preview the [Removed] table.			
Expected Results:			
1. The user has logged in successfully; 2. The pages are displayed successfully; 3. The instantiation data file is loaded successfully; 4. The table contains the new instantiation data uploaded on the execution step 3.			
Post Conditions:			

7.3.4.1.2 TC085

			TC085
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD2-ADMN-29		Other Dependencies:
Test Description:	Test that the user is not able to change the Instantiation Data in the Setup Environment when loading invalid files.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
1. Log in to the tested system as "[Removed]"; 2. On the "Administration" tab choose "Set Up Test Environment"; 3. Click on the "Instantiation Data" tab; 4. Choose any value for "Source" and on the "file" field select to load an invalid file as Instantiation Data into the tested system.			
Expected Results:			
1. The user has logged in successfully; 2. The page is displayed successfully; 3. The system displays the form containing the "source" and the "File" fields; 4. The tested system notifies the user that the files loaded are invalid or it is not an instantiation data xml file.			
Post Conditions:			

7.3.4.1.3 TC087

			TC087
[Removed] Requirement(s):	Test Mode: Manual • UC-MOD2-ADMN-29	Test Method: Positive	Last Updated: 19/09/2008 Other Dependencies:
Test Description:	Test that the user is able to change the User Parameters on the Setup Environment page.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
1. Log in to the tested system as “[Removed]”; 2. On the "Administration" tab select the “Setup Test Environment”; 3. Select the “TAWeb Settings” and edit the "default TA country" , "default dataset", "default dataset" , "results per page" values and press the save button; 4. Select the “Archiving parameters” and edit the "results per page" and the "number of days that represents how old the log entries must be in order to be archived" values , and press the save button; 5. Select the "Mode1 Testing Settings”, and edit the "Maximum number of messages that can be sent from TA" value and press the save button.			
Expected Results:			
1. The user has logged in successfully; 2. The administration page is displayed successfully; 3. The new parameters are updated and saved successfully; 4. The new parameters are updated and saved successfully; 5. The new parameters are updated and saved successfully.			
Post Conditions:			

7.3.4.2 Manage Scenarios

7.3.4.2.1 TC089

			TC089
[Removed] Requirement(s):	Test Mode: Manual • UC-MOD2-ADMN-35	Test Method: Positive	Last Updated: 03/11/2008 Other Dependencies:
Test Description:	Test that the user is able to upload a new scenario		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
1. Log in to the tested system as “[Removed]”; 2. Go to “Administration”, select “Manage Scenarios” and click on “Upload Scenario”; 3. Fill the scenario related fields: • Select CTP source for the scenario to be displayed as a CTP scenario for all MSA’s or select a MSA for the scenario to be displayed only for this specified MSA from the “Target” combo box; • Enter a name in the “Name” input; • In the “File” input enter a valid scenario XML file path or browse for the file by pressing the “Browse…” button. 4. Press the upload button; 5. Press the “Save” button; 6. Go to the “Delete Scenario” tab and search for the Scenario uploaded on the previous steps through the search function.			

Expected Results:
1. The user has logged in successfully; 2. All pages are displayed correctly; 3. The data entry has been finished; 4. "Scenario Preview" section is displayed; it contains a preview of the scenario to be uploaded; 5. The tested system notifies the user that the creation and addition to the repository of the new scenario has been successfully completed. An appropriate success message is displayed; 6. The scenario was successfully uploaded into repository.
Post Conditions:

7.3.4.2.2 TC090

			TC090
[Removed] Requirement(s):	Test Mode: Manual • UC-MOD2-ADMN-35	Test Method: Negative	Last Updated: 19/09/2008 Other Dependencies:
Test Description:	Test that the user must fill all mandatory fields in order to upload a new scenario.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
1. Log in to the tested system as "[Removed]"; 2. Go to "Administration" select "Manage Scenarios" and click on "Upload Scenario"; 3. Fill in all scenario related fields and leave only the "Name" input empty; 4. Press the "Upload" button; 5. Fill in all scenario related fields and leave the "File" input empty or enter a string that is not a file path; 6. Press the "Upload" button.			
Expected Results:			
1. The user has logged in successfully; 2. All pages are displayed correctly; 3. The data entry has been finished; 4. An error message reporting the missing field is displayed; 5. The data entry has been finished; 6. An error message reporting the missing or incorrect field is displayed.			
Post Conditions:			

7.3.4.2.3 TC091

			TC091
[Removed] Requirement(s):	Test Mode: Manual • UC-MOD2-ADMN-35	Test Method: Negative	Last Updated: 19/09/2008 Other Dependencies:
Test Description:	Test that the tested system performs syntactic validation when uploading a new scenario		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
1. Log in to the tested system as "[Removed]"; 2. Go to "Administration" select "Manage Scenarios" and click on the "Upload Scenario"; 3. Fill the scenario related fields: • Select a source from the "Target" combo box; • Enter a name in the "Name" input; • In the "File" input enter a syntactically invalid scenario XML file path or browse for the file by pressing the "Browse…" button. 4. Press the "Upload" button.			

Expected Results:
1. The user has logged in successfully; 2. All pages are displayed correctly; 3. The data entry has been finished; 4. The tested system indicates that the upload failed because of the syntactic errors.
Post Conditions:

7.3.4.2.4 TC092

			TC092
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 15/05/2009
Requirement(s):	• UC-MOD2-ADMN-35		Other Dependencies:
Test Description:	Test that the tested system validates the scenario syntactically before saving it on the repository.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
Repeat the test case for all three type of invalid content on the file: • Scenario steps are not consecutive starting with 1; • The NEA role is not consistent through scenario; • The repository does not contain the IE template needed at a scenario step. 1. Prepare a syntactically invalid XML scenario file; 2. Log in to the tested system as “Administrator”; 3. Go to “Administration” choose “Manage Scenarios” and click on “Upload Scenario”; 4. Fill the scenario related fields: • Select a source from the “Target” combo box; • Enter a name in the “Name” input; • In the “File” input enter an invalid XML file path or browse for the file by pressing the “Browse…” button. 5. Press the “Upload” button and “Save” button.			
Expected Results:			
1. File is created; 2. The user has logged in successfully; 3. All pages are displayed correctly; 4. The data entry has been finished; 5. An appropriate error message indicating the violation is displayed.			
Post Conditions:			

7.3.4.2.5 TC093

			TC093
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD2-ADMN-35		Other Dependencies:
Test Description:	Test that the tested system checks for unique naming of the scenarios before saving them on the repository.		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as "[Removed]";
2. Go to "Administration" choose "Manage Scenarios" and click on "Upload Scenario";
3. Fill the scenario related fields:
   - Select a source from the "Target" combo box;
   - On the "Name" field enter a value of an already existing name in the repository;
   - In the "File" input enter a valid scenario XML file path or browse for the file by pressing the "Browse…" button.
4. Press the "Upload" button;
5. Verify the status of the existing scenario.

Expected Results:

1. The user has logged in successfully;
2. All pages are displayed correctly;
3. The data entry has been finished;
4. "Scenario Preview" section is displayed; it contains a preview of the scenario to be uploaded, an appropriate error message indicating that the name is not unique is displayed;
5. No modifications have been performed on the existing scenario.

Post Conditions:

7.3.4.2.6 TC094

			TC094
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD2-ADMN-35		Other Dependencies:
Test Description:	Test that the user is able to delete an existing scenario		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as "[Removed]";
2. Go to "Administration" choose "Manage Scenarios" and click on "Delete Scenario";
3. Fill the scenario search related fields;
4. Press the "Search" button;
5. Click a scenario from result list;
6. Press the "Delete" button;
7. Search again for the specific scenario that was deleted in the previous step.

Expected Results:

1. The user has logged in successfully;
2. Verify that the following fields are displayed:
   - Source;
   - Target Country;
   - Category;
   - Scenario group;
   - NEA Role;
   - Dataset;
   - Functional Stage;
   - By Name.
3. The data entry has been finished;
4. Scenarios that matched the search criteria are displayed;
5. “Scenario Preview” section is displayed; it contains a preview of the scenario to be deleted;
6. The tested system deletes the selected scenario. An appropriate success message is displayed;
7. Verify that the scenario was successfully deleted from repository.

Post Conditions:

7.3.4.3 Manage IE Templates

7.3.4.3.1 TC095

			TC095
[Removed] Requirement(s):	Test Mode: Manual • UC-MOD2-ADMN-36	Test Method: Positive	Last Updated: 08/04/2009 Other Dependencies:
Test Description:	Test that the user is able to upload a new IE template		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Prepare a syntactically valid IE template; The name of the file should be in the convention CTP_IEXXX_Dataset (For example CTP_IE701_G);
2. Log in to the tested system as “[Removed]”;
3. Go to “Administration” select “Manage IE Templates” and click on “Upload IE Template”;
4. Fill the template related fields:
   - Select a source from the “Target Repository” combo box (mandatory field);
   - Enter a name in the “Name” input (mandatory field);
   - Enter a description in the “Description” input (optional field);
   - Enter a message code in the "Message Code" input (optional field);
   - In the “File” input enter a valid IE template XML file path or browse for the file by pressing the “Browse…” button.
5. Press the “Upload” button;
6. Press the “Save IE” button.

Expected Results:

1. The file is successfully created;
2. The user has logged in successfully;
3. The upload IE page is displayed properly;
4. The tested system notifies the user that the creation and addition to the repository of the new IE template has been successfully completed;
5. An appropriate success message is displayed;
6. Verify that the IE template was successfully uploaded into repository.

Post Conditions:

7.3.4.3.2 TC096

			TC096
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD2-ADMN-36		Other Dependencies:
Test Description:	Test that the application demands all mandatory fields to be filled in when uploading a new IE template.		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Log in to the tested system as “[Removed]”;
2. Go to “Administration” select “Manage IE Templates” and click on “Upload IE Template”;
3. Fill the scenario related fields but leave the “Name” input empty;
4. Press the “Upload” button;
5. Fill the scenario related fields but in the “File” input enter a string that is not a file path;
6. Press the “Upload” button.

Expected Results:

1. The user has logged in successfully;
2. The upload IE page is displayed properly;
3. The fields are filled as described;
4. An appropriate error message is displayed indicating the error;
5. The fields are filled as described;
6. An appropriate error message is displayed indicating the error.

Post Conditions:

7.3.4.3.3 TC097

			TC097
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 08/04/2009
Requirement(s):	• UC-MOD2-ADMN-36		Other Dependencies:
Test Description:	Test that the application performs syntactic validation on the uploading of new IE templates.		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Prepare upload an IE template that is a malformed XML(with a tag missing); The name of the file should be in the convention CTP_IEXXX_Dataset (For example CTP_IE701_G)
2. Log in to the tested system as “[Removed]”;
3. Go to “Administration” select “Manage IE Templates” and click on “Upload IE Template”;
4. Fill the template related fields:
   - Select a source from the “Target Repository” combo box (mandatory field);
   - Enter a name in the “Name” input (mandatory field);
   - Enter a description in the “Description” input (optional field);
   - Enter a message code in the "Message Code" input (optional field);
   - In the “File” input enter a valid IE template XML file path or browse for the file by pressing the “Browse…” button.
5. Press the “Upload” button;
6. Try to preview the IE template.

Expected Results:

1. The file has been successfully created; 2. The user has logged in successfully; 3. The upload IE page is displayed properly; 4. The new IE template has been successfully completed; 5. The tested system indicates that the upload failed; 6. The IE does not exist and nothing was uploaded.
Post Conditions:

7.3.4.3.4 TC098

			TC098
[Removed]	Test Mode: Manual	Test Method: Negative	Last Updated: 19/09/2008
Requirement(s):	• UC-MOD2-ADMN-36		Other Dependencies:
Test Description:	Test that the application does not allow the uploading of new IE templates that do not have unique name.		
Pre Conditions: The user must be authenticated to access the TA.			
Execution Steps:			
1. Prepare a syntactically valid IE template; The name of the file should be in the convention CTP_IEXXX_Dataset (For example CTP_IE701_G); 2. Log in to the tested system as “[Removed]”; 3. Go to “Administration” select “Manage IE Templates” and click on “Upload IE Template”; 4. Fill the template related fields: • Select a source from the “Target Repository” combo box; • Enter "TC098" in the “Name” input; • Enter a description in the “Description” input; • Enter the file path for the template created in the step 1 or browse for the file by pressing the “Browse…” button; 5. Press the “Upload” button; 6. Press the “Save IE” button; 7. Fill again the template related fields: • Select the same source (as chosen in step 3) from the “Target Repository” combo box; • Enter "TC098" in the “Name” input; • Enter a description in the “Description” input; • Enter a valid template XML file path or browse for the file by pressing the “Browse…” button. 8. Press the “Upload” button.			
Expected Results:			
1. The file has been successfully created; 2. The user has logged in successfully; 3. The upload IE page is displayed properly; 4. The new IE template form has been successfully completed; 5. “IE Details” section is displayed; it contains a preview of the template to be uploaded; 6. The Ie template has been saved successfully; 7. The new IE template form has been successfully completed; 8. An appropriate error message indicating that "The repository already contains an IE template with the specified name".			
Post Conditions:			

7.3.4.3.5 TC099

			TC099
[Removed] Requirement(s):	Test Mode: Manual • UC-MOD2-ADMN-36	Test Method: Positive	Last Updated: 19/09/2008 Other Dependencies:
Test Description:	Test that the application allows the user to delete an existing template		

Pre Conditions:

- The user must be authenticated to access the TA;
- At least one IE template must exist in the repository.

Execution Steps:

1. Log in to the tested system as "[Removed]";
2. Go to "Administration" select "Manage IE Templates" and click on "Delete IE Template";
3. Fill the template search related fields and press the "Search" button;
4. Check the IE Template(s) you want to delete and press the "Delete" button;
5. Search again for the same IE template(s).

Expected Results:

1. The user has logged in successfully;
2. The template search page is displayed successfully;
3. IE templates that matched the search criteria are displayed;
4. The tested system deletes the selected IE template(s). An appropriate success message is displayed;
5. Verify that the IE template(s) were successfully deleted from repository.

Post Conditions:

8 Test Cases for Non-Functional Requirements Phase2

8.1 *TP10 - Common Functionality*

[Removed]		
Test Procedure Name:	Non Functional Common Functionalities	**TP10**
Description:	This procedure checks all common functionalities that belong to Non Functional Requirements.	
Test Cases:	• TC100 - The Test Case verifies that there are Security policies for Services. • TC101 - The Test Case verifies that the tested system do not accept SQL commands in search criteria fields. • TC102 - The Test Case verifies that the average Response time is no more than 3 seconds and the maximum response time is no more that 30 seconds for single synchronous request/response operations. • TC103 - The Test Case verifies that the average response / completion time is no more that 15 minutes and the maximum response time is no more than 2 hours for single Asynchronous operations. • TC104 - The Test Case verifies that the Mode-1 and Mode-2 Testing is enabled through a web interface and multiple MSAs can operate concurrently. • TC105 - The Test Case verifies that a list of all MSA CCN/CSI Gateways is maintained. • TC106 - The Test Case verifies that a list of MSA CCN/CSI queues to which XML messages will be sent is maintained. • TC107 - Test that the TA is able to generate an ARC according to ARC structure • TC148 - Accessing TA on HTTP protocol. • TC149 - Accessing TA on HTTPS protocol. • TC154 - Test the TA server logs separation per country. • TC160 - The Test Case tests the notification when the role of a FS1 test session is changed. • TC161 - Test the test session correctly initiated in FS1 and FS2.	

8.1.1 Security Requirements

8.1.1.1.1 TC100

			TC100
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• SUPL1 • SUPL47 • SUPL48		Other Dependencies:
Test Description:	The Test Case verifies that there is at least one Security policy for Services.		
Pre Conditions: The TA URLis known and CCN Usernames and Passwords have been supplied.			
Execution Steps:			
Case A 1. Open an Internet Browser and provide the TA URL; 2. Provide on the Logon page of TA with appropriate Username and Password supplied by the CCN Security Administration. Case B 1. Open an Internet Browser and provide the TA URL; 2. Provide on the Logon page of TA incorrect Username and Password.			
Expected Results:			
Case A 1. An SSL encrypted connection exists; 2. The logon to the TA interface is successful. Case B 1. An SSL encrypted connection exists; 2. The logon is denied and the TA interface displays an appropriate message.			
Post Conditions:			

8.1.1.1.2 TC148

			TC148
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 26/01/2010
Requirement(s):	• SUPL1 • SUPL47 • SUPL48		Other Dependencies:
Test Description:	Accessing TA on HTTP protocol.		
Pre Conditions: The TA URL is known and CCN Usernames and Passwords have been supplied.			
Execution Steps:			
1. Open a browser (IE or Firefox); 2. Clear up cookies and delete certificates related to TA (those starting with EMCS- and those named as the host machine where TA is installed); 3. Close all instances of that specific browser and open one instance; 4. Introduce the URL that access TA on HTTP (for example [Removed]); 5. Login to CCN page with a TA user; 6. Execute search function with mode-1.			
Expected Results:			

1. The browser opened successfully; 2. The certificates deleted successfully; 3. The browser closed and opened successfully; 4. The user was redirected on CCN Login page, and accepted CCN Gateway certificate; 5. The user logged successfully in protocol (HTTP); 6. The user executed search function successfully in HTTP.
Post Conditions:

8.1.1.1.3 TC149

			TC149
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 26/01/2010
Requirement(s):	• SUPL1 • SUPL47 • SUPL48		Other Dependencies:
Test Description:	Accessing TA on HTTPS protocol.		
Pre Conditions: The TA URL is known and CCN Usernames and Passwords have been supplied.			
Execution Steps:			
1. Open a browser; 2. Clear up cookies and delete certificates related to TA; 3. Close all instances for that specific browser and open one instance; 4. Introduce the URL that access TA on HTTPS (for example [Removed]); 5. Login to CCN page with a TA user; 6. Execute search function with mode-1.			
Expected Results:			
1. Case The browser opened successfully; 2. The certificates deleted successfully; 3. The browser closed and opened successfully; 4. The user accepted the TA certificate, CCN Gateway certificate, then the user was redirected on CCN Login page; 5. The user logged successfully in protocol (HTTPS) and accepted second certificate – TA self signed certificate; 6. The user executed search function successfully in HTTPS.			
Post Conditions:			

8.1.1.1.4 TC101

			TC101
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 10/06/2008
Requirement(s):	• SUPL49		Other Dependencies:
Test Description:	The Test Case verifies that the tested system does not accept SQL commands in search criteria fields		
Pre Conditions: Reference Data has been loaded into the application and is searchable.			
Execution Steps:			
1. Logon to the TA as "[Removed]"; 2. Select "Mode-2 Testing" from the "Operation Mode" tab and then select a country; 3. Click on the "Scenario Setup and Run" option from the "Mode-2 Configuration and Run" tab; 4. Provide an SQL command/statement in any of the available fields; 5. Logon to the TA as "Mode-2 Remote Operator"; 6. Select "Mode-2 Testing" from the "Operation Mode" tab. Then click on the "Scenario Setup and Run" option from the "Mode-2 Configuration and Run" tab; 7. Provide an SQL command/statement in any of the available fields; 8. Logon to the TA as "Mode-1 Testing Remote Operator"; 9. Go to "Data Management" select "IE Repository Update", select "Add/Create an IE" and click on "Clone an IE"; 10. On the IE instance search related fields enter an SQL command.			
Expected Results:			
1. The user is successfully logged on; 2. The page is displayed successfully; 3. The page is displayed successfully; 4. The application does not accept directly entry of SQL commands. No results are returned to the user; 5. The user is successfully logged on; 6. The page is displayed successfully; 7. The application does not accept directly entry of SQL commands. No results are returned to the user; 8. The user is successfully logged on; 9. The page is displayed successfully; 10. The application does not accept directly entry of SQL commands. No results are returned to the user.			
Post Conditions:			

8.1.2 Performance Requirements

8.1.2.1.1 TC102

			TC102
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• SUPL2		Other Dependencies:
Test Description:	The Test Case verifies that the average Response time is no more than 3 seconds and the maximum response time is no more that 30 seconds for single synchronous request/response operations.		
Pre Conditions:			
Execution Steps:			
For the Mode-1 operator 1. Logon to the system as “Mode-1 Remote Testing Operator”; 2. Go to "Mode 1 - Configuration and Run", select "Test Session Configuration" and press "save"; 3. Go to "Mode 1 - Configuration and Run", select "Test Execution Control Screen" and press "save" and press the "start" button to start a session; 4. Go to "Mode 1 - Configuration and Run", select "View Log Events" and press the "search" button. For the Mode-2 Operator 1. Logon to the system as “Mode-2 Remote Testing Operator”; 2. Go to "Mode 2 - Configuration and Run", select "Non functional CTP Scenarios" and select any of the scenarios; 3. Go to "Mode 2 - Configuration and Run", select "Scenario Setup and Run" and press the "search" button; 4. Go to "Mode 2 - Configuration and Run", select "Restore Archived Scenario Logs" and press the "search" button. For the [Removed] 1. Logon to the system as “[Removed]”; 2. Go to "Administration", select "Manage Scenarios" and select "Upload Scenario"; 3. Go to "Administration", select "Manage Scenarios", select "Delete Scenario" and press the "search" button; 4. Go to "Administration", select "Manage IE Templates" and select "Upload IE Template"; 5. Go to "Administration", select "Manage IE Templates", select "Delete IE Template" and press the "search button"; 6. Go to "Administration", select "Manage IE Templates" and select "Setup Test Environment".			
Expected Results:			
On every execution step verify that the operation has been performed, the average response time is no more than 3 seconds and the maximum response time is no more than 30 seconds in any case.			
Post Conditions:			

8.1.2.1.2 TC103

			TC103
[Removed] Requirement(s):	Test Mode: Manual • SUPL3	Test Method: Positive	Last Updated: 19/09/2008 Other Dependencies:
Test Description:	The Test Case verifies that the average response/completion time is no more that 15 minutes and the maximum response time is no more than 2 hours for single Asynchronous operations.		
Pre Conditions:			
Execution Steps:			
For the Mode-1 operator 1. Logon to the system as “Mode-1 Remote Testing Operator”; 2. Go to "Mode 1 - Configuration and Run", select "Test Session Configuration" and press "save"; 3. Go to "Mode 1 - Configuration and Run", select "Test Execution Control Screen" and press "save" and press the "start" button to start a session; 4. Go to "Mode 1 - Configuration and Run", select "View Log Events" and press the "search" button. For the Mode-2 Operator 1. Logon to the system as “Mode-2 Remote Testing Operator”; 2. Go to "Mode 2 - Configuration and Run", select "Non functional CTP Scenarios" and select any of the scenarios; 3. Go to "Mode 2 - Configuration and Run", select "Scenario Setup and Run" and press the "search" button; 4. Go to "Mode 2 - Configuration and Run", select "Restore Archived Scenario Logs" and press the "search" button. For the Administrator 1. Logon to the system as “[Removed]”; 2. Go to "Administration", select "Manage Scenarios" and select "Upload Scenario"; 3. Go to "Administration", select "Manage Scenarios", select "Delete Scenario" and press the "search" button; 4. Go to "Administration", select "Manage IE Templates" and select "Upload IE Template"; 5. Go to "Administration", select "Manage IE Templates", select "Delete IE Template" and press the "search button"; 6. Go to "Administration", select "Manage IE Templates" and select "Setup Test Environment".			
Expected Results:			
On every execution step verify that the operation has been performed, the average response time is no more than 3 seconds and the maximum response time is no more than 30 seconds in any case.			
Post Conditions:			
Repeat the test with variations on the size of the messages for each request and the nature of each request/response each time.			

8.1.3 Technical Requirements

8.1.3.1.1 TC104

			TC104
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 10/06/2008
Requirement(s):	• SUPL4		Other Dependencies:
Test Description:	The Test Case verifies that the Mode-1 and Mode-2 Testing is enabled through a web interface and multiple MSAs can operate concurrently.		
Pre Conditions:			
Execution Steps:			
1. Provide the TA URL to more than one PCs; 2. On every PC logon to the TA as Mode-1 or Mode-2 Testing operator, simulating a role of one Member State.			
Expected Results:			
1. The TA is accessible through all PCs; 2. More than one MSA can operate concurrently.			
Post Conditions:			

8.1.3.1.2 TC160

			TC160
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 27/04/2011
Requirement(s):			Other Dependencies:
Test Description:	The Test Case tests the notification when the role of a FS1 test session is changed.		
Pre Conditions: TA application opened.			
Execution Steps:			
1. User logs in TA application mode FS1; 2. User changes the test session; 3. User clicks the “No” button.			
Expected Results:			
1. TA application opened successfully; 2. The notification message displays for the operator if he/she wants to clean the queues; 3. The notification message displays “Initializing change….” when the user selects “No” option.			
Post Conditions:			

8.1.3.1.3 TC161

			TC161
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 27/04/2011
Requirement(s):			Other Dependencies:
Test Description:	Test the test session correctly initiated in FS1 and FS2.		
Pre Conditions: TA application opened.			
Execution Steps:			

1. Logon to TA as Testing Operator for EMCS FS1 with user UK; 2. Start a test session in Mode-1; 3. Logoff from TA without stopping the session opened in Mode-1; 4. Logon to TA as TA for EMCS FS 2 with UK user; 5. Start a test Session in Mode-2.
Expected Results:
1. TA application opened successfully; 2. Test session started successfully; 3. TA logoff successfully; 4. TA application FS2 opened successfully; 5. The test session cannot be started.
Post Conditions:

8.1.3.1.4 TC105

			TC105
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• SUPL8		Other Dependencies:
Test Description:	The Test Case verifies that a list of all MSA CCN/CSI Gateways is maintained.		
Pre Conditions:			
Execution Steps:			
1. Locate the related Database table storing CCN/CSI Gateway information; 2. Preview the Gateway information under [Removed].properties.			
Expected Results:			
1. The database table has been located; 2. A list of all MSA CCN/CSI Gateways information exists.			
Post Conditions:			

8.1.3.1.5 TC106

			TC106
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• SUPL9		Other Dependencies:
Test Description:	The Test Case verifies that a list of MSA CCN/CSI queues to which XML messages will be sent is maintained.		

Pre Conditions: Access and credentials for the TA database are supplied to the user.

Execution Steps:

1. Logon to the TA database and locate the Incoming Queue map and Outgoing Queue map tables;
2. Logon to the TA web interface as Operator;
3. Send an IE message in XML format to each CCN/CSI queue;
4. Verify that the XML file has reached the designated queue each time.

Expected Results:

1. For each Member state there is certain set of CCN/CSI queues. A list of all MSA CCN/CSI queues to which XML messages will be sent is maintained;
2. The User successfully logs on to TA;
3. The message has been successfully sent;
4. The XML messages can be delivered to the queues maintained in this list.

Post Conditions:

8.1.3.1.6 TC107

			TC107
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 24/07/2009
Requirement(s):	• SUPL19		Other Dependencies:
Test Description:	Test that the TA is able to generate an ARC according to ARC structure		

Pre Conditions:

- The user has access to the TA application.
- The scenario AP - 05_2 has been executed at least once.

Execution Steps:

1. Logon to TA as “Mode-2 Remote Operator”;
2. On the “Mode 2 - Configuration and Run” choose “Tests Results” and choose “Scenarios Execution Results”;
3. On the “Event Log Type” dropdown list choose “ARC Generation Log Event”, unselect the “Active Session” box and press the search button;
4. Preview any of the logged events.

Expected Results:

1. The user is logged in successfully;
2. The page is displayed successfully;
3. The ARC logged events are displayed successfully;
4. The logged events contain entries indicating the generation of ARC and the ARC is in the correct ARC structure.

Post Conditions:

8.1.3.1.7 TC154

	TC154

[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 01/03/2010
Requirement(s):	• SUPL37		Other Dependencies: UC-MOD1-LOG-31
Test Description:	TA server logs separation per country		

Pre Conditions: The user must be authenticated to access the TA.

Execution Steps:

1. Login as Mode-2 or Mode-1 Operator;
2. Execute a test session;
3. Check the log in server.

Expected Results:

1. Mode-1 or 2 is successfully logged in;
2. Test session is executed;
3. The log entries recorded in separate files, one per country in specific folders named after the country ISO (i.e., <[Removed]>/< [Removed]>/ [Removed]_<[Removed]>.log), the <nohup.> files will remain the same as until now.

Post Conditions:

8.2 *TP11 - Mode-1 Testing Functionality*

[Removed]		
Test Procedure Name:	Non Functional Mode-1 Testing Functionality	**TP11**
Description:	This procedure checks all technical and usability requirements for Mode-1 Testing functionality that belong to Non Functional Requirements.	
Test Cases:	• TC108 - The Test Case verifies that under Mode-1 Testing the tested system logs all the important events. • TC109 - For Mode-1 Testing, the tested system shall be developed in such a way that it allows easy re-configuration for name, role and business Codelist. Also the tested system shall be preloaded with configuration files for those. • TC110 - For Mode-1 Testing, the tested system shall be pre-loaded with Reference Data and at least all CTP messages within scope of FS0 and FS1. • TC111 - At the start-up of a test session, all used queues shall be optionally flushed in order to avoid receiving messages from previous test sessions. • TC112 - The tested system shall contain a central IE repository for storage and retrieval of IEs. • TC113 - This Test Case tests that every IE stored into the repository shall have a unique name used as identifier. It shall also allow the user to add a free text description of the IE (although not mandatory or part of the unique key). • TC158 - Test that the Mode-1 testing for the situation that database is not available.	

8.2.1 Technical Requirements

8.2.1.1.1 TC108

			TC108
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• SUPL11		Other Dependencies: ALL
Test Description:	The Test Case verifies that under Mode-1 Testing the tested system logs all the important events.		
Pre Conditions: • Full Access account to the TA Server is available; • A Valid Mode-1 Testing operator account exists; • The user must be authenticated to access the TA as “Mode-1 Testing Remote Operator”. • A Mode-1 Test session has been executed at least.			
Execution Steps:			
Case A 1. Login to the TA Server and browse to the installation folder; 2. Locate the taweb-tech.log files; 3. Download the log files in your local PC and open them. Case B 1. Login to the TA as “Mode-1 Testing Remote Operator”; 2. Select “Mode-1 Configuration & Run” and select “View log Events”; 3. Deselect the “Active Session” and press the search button.			
Expected Results:			
Case A 1. The user has logged in successfully; 2. The files have been located; 3. The files can be downloaded, and the content is readable. Case B 1. The user has logged in successfully; 2. The search form is displayed; 3. Logged events are returned by the search function.			
Post Conditions:			

8.2.1.1.2 TC109

			TC109
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 03/11/2008
Requirement(s):	• SUPL13		Other Dependencies: UC07 UC09
Test Description:	For Mode-1 Testing, the tested system shall be developed in such a way that it allows easy re-configuration for queues name, queue/roles mapping and business Codelist.		
Pre Conditions: • The installation process has been finished successfully. • The user must be authenticated to access the TA as “Mode-1 Testing Remote Operator”.			

Execution Steps:
1. Login to the system database; 2. Select to view the [Removed] table contained in the database; 3. Switch the CORE with the ADMIN queues for a specified country and commit the changes to the database; 4. Login to TA application as “Mode-1 Testing Remote Operator”; 5. Start the TA Mode-1 Testing in CD operational mode, select the role to be played by the TA and NEA, press the ”Start” button to start the test session; 6. Create and send a valid Common Domain message to TA through the NEATool, but the message has to be placed in the ADMIN instead of the CORE queue; 7. Examine the logs in the “Mode 1 - Configuration&Run” | “View Log Events” and verify that the message is received successfully.
Expected Results:
1. The user has logged to database successfully; 2. The table is displayed successfully; 3. The changes are implemented successfully; 4. The user has logged in successfully; 5. The roles for TA and NEA have selected successfully, test session started; 6. The message has created, placed and send successfully to the new configured queue; 7. All logs are displayed and the message received successfully.
Post Conditions:
Don’t forget to revert to the initial configuration.

8.2.1.1.3 TC110

			TC110
[Removed] Requirement(s):	Test Mode: Manual	Test Method: Positive	Last Updated: 10/06/2008 Other Dependencies: UC11 UC12
	• SUPL14 • SUPL15		
Test Description:	For Mode-1 Testing, the tested system shall be pre-loaded with Reference Data and at least all CTP messages within scope of FS0 and FS1.		

Pre Conditions:
• Successful installation has been performed according to IPM; • Successful initialisation of repositories has been performed according to IPM. • The user must be authenticated to access the TA as “Mode-1 Testing Remote Operator”.
Execution Steps:
1. Login to the system Database and preview the list of the system Tables; 2. Preview the [Removed]table; 3. Preview the [Removed]table; 4. Preview the following list of tables on the Database [Removed]
Expected Results:
1. The user has logged in successfully; 2. The table contains all the IE templates that belong to the CTP; 3. The table contains all the IE XSDs; 4. The Database contains all the reference data of the application.
Post Conditions:

8.2.1.1.4 TC111

	TC111

[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 10/06/2008
Requirement(s):	• SUPL16		Other Dependencies: UC11 UC12
Test Description:	At the start-up of a test session, all used queues shall be optionally flushed in order to avoid receiving messages from previous test sessions.		

Pre Conditions:

- A Test session has been executed;
- The user must be authenticated to access the TA as “Mode-1 Testing Remote Operator”.
- Messages have been exchanged in the same queue as signed to the Mode1 Testing operator.

Execution Steps:

1. Login to the tested system as “Mode-1 Testing Remote Operator”;
2. Start a new Test session;
3. Don’ t exchange any messages yet;
4. Select from “View log Events” the Active session to be displayed;
5. Verify that information for flushing of the CCN/CSI queue is reported;
6. Verify with the use of an appropriate CCN/CSI tool that the used queue does not contain any message.

Expected Results:

1. The user has logged in successfully;
2. The session has started;
3. No messages have been exchanged;
4. The View log events page is displayed;
5. A log event exists with information for queue flushing;
6. No messages exist in the CCN/CSI queue.

Post Conditions:

8.2.1.1.5 TC112

			TC112
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• SUPL17		Other Dependencies: UC11 UC12
Test Description:	The tested system shall contain a central IE repository for storage and retrieval of IEs.		

Pre Conditions:

Execution Steps:

1. Log in to the tested system as “Mode-1 Testing Remote Operator”;
2. Go to “Data Management” select “IE Repository Update” , select “Add/Create an IE” and click on “Create an IE from template”;
3. Fill the IE template search related fields;
4. Press the “Search” button;

Expected Results:

1. The user has logged in successfully;
2. All pages are displayed successfully;
3. All fields are filled;
4. All available IE templates are displayed.

Post Conditions:

8.2.1.1.6 TC113

			TC113
[Removed]	Test Mode: Manual	Test Method: Negative/Positive	Last Updated: 19/09/2008
Requirement(s):	• SUPL18		Other Dependencies: UC11 UC12
Test Description:	This Test Case tests that every IE stored into the repository shall have a unique name used as identifier. It shall also allow the user to add a free text description of the IE (although not mandatory or part of the unique key).		
Pre Conditions:			
Execution Steps:			
1. Login to the system as “Mode-1 Testing Remote Operator” ; 2. Go to “Mode 1 – Configuration and Run” and select “Test Execution Control Screen”; 3. Press the “Search” button; 4. Select an IE message from the Repository; 5. Press the ”Modify” button, enter a value in the “Description” and on the “Name” field enter a value that already exists on the repository.			
Expected Results:			
1. The user has logged in successfully; 2. The screens are displayed successfully; 3. All IE messages contained in the repository are displayed successfully; 4. The IE message is displayed in a tree-format; 5. An error message is being displayed indicating that the name already exists in the repository.			
Post Conditions:			

8.2.1.1.7 TC158

			TC066
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 07/06/2010
Requirement(s):	• TA-P2-038		Other Dependencies: UC-MOD2-CORE-16 UC-CMN-COM-03 UC-CMN-COM-01 UC-MOD2-LOG-21 UC-MOD2-LOG-22 UC-MOD2-CORE-20 UC-MOD2-ARCH-25 UC-MOD2-CORE-19 UC-MOD2-CORE-20
Test Description:	Test that the Mode-1 testing for the situation that database is not available.		
Pre Conditions: • The user must be authenticated to access the TA; • The user can disconnect the database connection.			
Execution Steps:			
1. Log in to the tested system as “Mode -1 Testing Operator”; 2. Start a test session; 3. Disconnect the database connection in Weblogic console by change the datasource name; 4. Connect the database connection in Weblogic console; 5. Try to start another test session.			
Expected Results:			

1. The user has logged in successfully; 2. The session starts successfully; 3. The connection disconnects successfully; 4. The connection connects successfully; 5. The notification “Previous Test Session stop is still in progress. Please try again later.” does not appear and the second test session can not start.
Post Conditions:

8.2.2 Usability Requirements

8.2.2.1.1 SUPL20

Covered by UC-MOD1-MMAN-11
Covered by UC-MOD1-MMAN-12

8.2.2.1.2 SUPL21

Covered by UC-MOD1-MMAN-34

8.2.2.1.3 SUPL22

Covered by UC-MOD1-MMAN-11

8.2.2.1.4 SUPL23

Covered by UC-MOD1-MMAN-11
Covered by UC-MOD1-MMAN-12

8.2.2.1.5 SUPL24

Covered by UC-MOD1-MMAN-34

8.2.2.1.6 SUPL25

Covered by UC-MOD1-DTM-07
Covered by UC-MOD1-DTM-09
Covered by UC-MOD1-DTM-33

8.3 *TP12 - Mode-2 Testing Functionality*

[Removed]		
Test Procedure Name:	Non Functional Mode-2 Testing Functionality	**TP12**
Description:	This procedure checks all Usability, Security and Technical requirements for Mode-2 Testing functionality that belong to Non Functional Requirements.	
Test Cases:	• TC114 - Test that the Mode-2 Testing provides access restrictions based on the user profiles [Removed] and Mode-2 Remote Operator • TC115 - Test that the tested system shall be able to play multiple roles in one instance. This would allow executing scenarios in which e.g. the TA will play the roles of MSA of Destination and Requesting MSA where the NEA will play the role of MSA of Dispatch. The tested system shall support the running of parallel instances. This is necessary in order to be able to serve more than one country at the same time, as one instance of TA can serve only one country. • TC116 - Test that the tested system contains an IE repository for storage and retrieval of messages • TC117 - Test that the [Removed] has full access to the IE repository and the Mode-2 Testing Remote Operator has read only access • TC118 - Test that each Remote User has a separate repository for the results of the tests he/she performs. • TC119 - Test that Separate log files are created for Field-by-Field comparison and for the IEs that are expected to be received and be sent. • TC120 - Test that the application supports the following Non Functional CTP scenarios: o Submission of 1000 erroneous IE801 messages and receipt and measurement of max and average response time of the corresponding IE917; o Submission of an IE904 and receipt and measurement of the response time for the corresponding IE905 and IE801; o Submission of an IE904 and receipt and measurement of the response time for the corresponding IE905 and IE934. • TC126 - In the field-by-field verification all message data is cross-checked except for: o The scenario-execution dependent information (Current Date of Test, Time of Test, Current DateTime of Test, DateTime of RoR, DateTime of Validation of Explanation on Delay, ARC, Message identifier, Correlation_ID); o The Requesting Office. • TC121 - Test that every Scenario, stored into the Scenario repository has a unique identifier as defined in the CTP • TC122 - Test that the user is presented with a list of all the CTP messages templates in the repository and is able to select an IE out of the list. Also check that the selected IE is presented to the user in a tree-like format • TC123 - Test that every IE, stored into the IE repository has a unique identifier as defined in the CTP. • TC124 - Test that the tested system supports English as the user interface	

	• TC125 - The system shall allow the user to stop the execution of a non functional CTP scenario (before timers expire). • TC143 - Test that the application displays the Non Functional CTP scenarios correctly.

8.3.1 Security Requirements

8.3.1.1.1 TC114

			TC114
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 10/06/2008
Requirement(s):	• SUPL26 • SUPL27		Other Dependencies:
Test Description:	Test that the Mode-2 Testing provides access restrictions based on the user profiles [Removed] and Mode-2 Remote Operator		
Pre Conditions: User is authenticated to access the TA			
Execution Steps:			
1. Logon to the application as "[Removed]"; 2. View the available pages of the user; 3. Logout the user; 4. Logon to the application as Mode-2 Testing Remote Operator; 5. View the available pages of the user; 6. Compare the two user profiles.			
Expected Results:			
1. The user has logged in successfully; 2. All pages are displayed successfully; 3. The user has been logged out successfully; 4. The user has logged in successfully; 5. All pages are displayed successfully; 6. The two above users have different pages assigned to each one.			
Post Conditions:			

8.3.2 Technical Requirements

8.3.2.1.1 TC115

			TC115
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• SUPL28 • SUPL29		Other Dependencies:
Test Description:	Test that the tested system shall be able to play multiple roles in one instance of TA. This would allow executing scenarios in which e.g. the TA will play the roles of MSA of Destination and Requesting MSA where the NEA will play the role of MSA of Dispatch. The tested system shall support the running of parallel roles. This is necessary in order to be able to serve more than one country at the same time, as one role of TA can serve only one country.		
Pre Conditions: • Two Mode-1 Remote Operators accounts exist; • Two Mode-2 Remote Operators accounts exist; • 4 PCs are available for testing purposes.			
Execution Steps:			

1. Logon to the TA as “Mode-1 Testing Operator”; 2. Go to Configuration and Run screen; 3. Select for the NEA Role MSA of Dispatch; 4. Logon from a different PC as a different Member State “Mode 1 Testing Operator” country; 5. Go to Configuration and Run screen; 6. Select for the NEA Role “MSA of Destination”; 7. From a different PC , logon to the TA as “Mode-2 Testing Operator”; 8. Go to "Mode 2 - Configuration and Run" and select "Scenario Setup and Run"; 9. Select a scenario in which the TA Role is MSA of Dispatch; 10. Logon from a different PC as a different Member State “Mode 2 Testing Operator” country; 11. Go to "Mode 2 - Configuration and Run" and select "Scenario Setup and Run"; 12. Select a scenario in which the TA Role is MSA of Destination.
Expected Results:
1. The user has logged in successfully; 2. Pages are displayed successfully; 3. The role has been selected; 4. The second user has logged in successfully; 5. Pages are displayed successfully; 6. Multiple roles can be selected in one instance of TA. The TA can play different roles on Mode-1 testing; 7. The user has logged in successfully; 8. Pages are displayed successfully; 9. The role has been selected and the scenario is executed; 10. The second user has logged in successfully; 11. Pages are displayed successfully; 12. Multiple roles can be selected in one instance of TA. The TA can play different roles on Mode-2 testing.
Post Conditions:
Parallel roles are supported by the TA. Each TA logged in role serves one country and messages exchange can occur with a different TA logged in role serving another country.

8.3.2.1.2 TC116

			TC116
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• SUPL30 • SUPL33		Other Dependencies:
Test Description:	Test that the IE repository folder contains the Conformance Test Generic Reference Data, the Erroneous Reference Data and the Instantiation files from which IEs are uploaded into the tested system database, to be used later on at runtime scenario execution.		
Pre Conditions: A valid IE message in XML format is available for the user in the local tested system			
Execution Steps:			
1. Logon to the application database; 2. Select to preview the table [Removed]; 3. Select to preview the table [Removed]; 4. Select to preview the table [Removed]; 5. Select to preview the table [Removed]; 6. Select to preview the table [Removed]; 7. Select to preview the table [Removed]; 8. Select to preview the table [Removed]; 9. Select to preview the table [Removed].			
Expected Results:			

1. The user successfully logs on; 2. The table contains instantiation data; 3. The table contains instantiation data; 4. The table contains reference data; 5. The table contains reference data; 6. The table contains reference data; 7. The table contains reference data; 8. The table contains reference data.
Post Conditions:

8.3.2.1.3 TC117

			TC117
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 03/11/2008
Requirement(s):	• SUPL34 • SUPL35		Other Dependencies:
Test Description:	Test that the [Removed] has full access to the IE repository and the Mode-2 Testing Remote Operator has read only access		
Pre Conditions: Valid accounts for [Removed] and Mode-2 Testing Remote Operator.			
Execution Steps:			
1. Log in to the application as “[Removed]”; 2. On the "Administration" tab choose the "Manage Scenarios" and then "Upload Scenario"; 3. Upload a new scenario on the repository; Fill the scenario related fields: • Select CTP source for the scenario to be displayed as a CTP scenario for all MSA’s or select a MSA for the scenario to be displayed only for this specified MSA from the “Target” combo box; • Enter a name in the “Name” input; • In the “File” input enter a valid scenario XML file path or browse for the file by pressing the “Browse…” button. 4. Logout from the system; 5. Log in to the application as “Mode-2 Testing Remote Operator”; 6. On "Mode 2 Configuration and Run" select the "Scenario Setup and Run"; 7. Search for the scenario uploaded on step3 and execute it.			
Expected Results:			
1. The user is logged in successfully; 2. The upload scenario page is displayed successfully; 3. The system allows the administrator to upload a scenario and change the repository; 4. The user has logged off successfully; 5. The user has logged in successfully; 6. The search form is returned to the user; 7. The Mode-2 user can only execute the scenario and is not able to edit it.			
Post Conditions:			

8.3.2.1.4 TC118

			TC118
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated:
Requirement(s):	• SUPL36		Other Dependencies:
Test Description:	Test that each Remote User has a separate repository for the results of the tests he/she performs.		

Pre Conditions:
• At least two different accounts for Mode-2 Testing Remote Operator exist; • Previous tests exist for the Mode 2 Testing Remote Operators which are different.
Execution Steps:
1. Log in to the application as “Mode-2 Testing Remote Operator”; 2. Locate the page that contains the results of the previous tests; 3. Logout from the tested system; 4. Log in again as a different “Mode-2 Testing Remote Operator”; 5. Locate the page that contains the results of the previous tests; 6. Compare the list of the execution results shown on steps 2 and 5.
Expected Results:
1. The user has logged in successfully; 2. The list of the results from the previous tests is displayed successfully; 3. the user has been logged out; 4. The user has logged in successfully; 5. The list of the results from the previous tests is displayed successfully; 6. The two lists are different.
Post Conditions:

8.3.2.1.5 TC119

			TC119
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 10/06/2008
Requirement(s):	• SUPL37		Other Dependencies: TC066 , TC067
Test Description:	Test that Separate log files are created for Field-by-Field comparison and for the IEs that are expected to be received and be sent.		

Pre Conditions:
Execution Steps:
1. Logon to the application with any of the below mentioned roles: • “[Removed]”; • “Mode-2 Testing Operator”. 2. Execute TC066 or TC067; 3. Locate the log files and preview them.
Expected Results:
1. The user has logged in successfully; 2. The Test Case is successfully executed; 3. Separate log events should exist for Field-by-Field comparison and for the IEs that are expected to be received and be sent with respective entries.
Post Conditions:

8.3.2.1.6 TC120

			TC120
[Removed] Requirement(s):	Test Mode: Manual • SUPL46	Test Method: Positive	Last Updated: 26/02/2009 Other Dependencies:
Test Description:	Test that the application supports the following Non Functional CTP scenarios: • Submission of 1000 erroneous IE801 messages and receipt and measurement of max and average response time of the corresponding IE917; • Submission of an IE904 and receipt and measurement of the response time for the corresponding IE905 and IE801; • Submission of an IE904 and receipt and measurement of the response time for the corresponding IE905 and IE934.		
Pre Conditions:			
Execution Steps:			
1. Logon to the application as “Mode-2 Remote Operator”; 2. Choose “Mode 2 – Configuration&Run” ; 3. Choose “Non Functional CTP Scenarios”; 4. Choose a scenario (NF- 03) and execute it.			
Expected Results:			
1. The user has logged in successfully; 2. The tested system provides a list of all available actions for the configuration of Mode-2; 3. In the scenarios page exist these three scenarios: • Submission of 1000 erroneous IE801 messages and receipt and measurement of max and average response time of the corresponding IE917; • Submission of an IE904 and receipt and measurement of the response time for the corresponding IE905 and IE801; • Submission of an IE904 and receipt and measurement of the response time for the corresponding IE905 and IE934. 4. The scenario is executed successfully.			
Post Conditions:			

8.3.2.1.7 TC126

			TC126
[Removed] Requirement(s):	Test Mode: Manual • SUPL50 • SUPL54	Test Method: Positive	Last Updated: 12/02/2009 Other Dependencies:
Test Description:	Test that in the field-by-field verification all message data is cross-checked except for: • The scenario-execution dependent information (Current Date of Test, Time of Test, Current DateTime of Test, DateTime of RoR, DateTime of Validation of Explanation on Delay, ARC, Message identifier, Correlation_ID); • The Requesting Office.		
Pre Conditions: • The user must be authenticated to access the TA; • The Conformance Test generic data set or the erroneous data set are loaded; • Scenario has been set up; • Scenario has been already executed prior to the initiation of the scenario of this Test Case.			
Execution Steps:			

1. Log in to the tested system as “Mode -2 Testing Operator”; 2. Go to “Operation Mode” and select “Mode 2 Testing”; Go to “Mode 2 – Configuration and Run” and select “Scenario Setup and Run”; 3. Select a scenario in which TA sends a message to NEA and the NEA replies to TA ,click on field-by-field checkbox and press the “Start” button in order to start a scenario execution; 4. Go to Mode-2 Setup and Run and on the Test Results choose the “Test Session Results” tab; 5. On the User Specifications tab press the “Search” button to see the active session logged events; 6. Go to “IE Verification Log Event”, from the message that TA received.
Expected Results:
1. The user has logged in successfully; 2. All pages are displayed successfully; 3. The scenario has started successfully; 4. The page is displayed correctly and a search form is displayed; 5. The log events are displayed successfully and a pop-up appears indicating that:” Scenario is completed”; 6. Check that the “Verification Outcome” is succeeded.
Post Conditions:

8.3.2.1.8 TC143

			TC143
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 16/11/2009
Requirement(s):	• SUPL46 • SUPL54		Other Dependencies:
Test Description:	Test that the application displays the Non Functional CTP scenarios correctly.		
Pre Conditions:			
Execution Steps:			
1. Logon to the application as “Mode-2 Remote Operator”; 2. Choose “Mode 2 – Configuration&Run” ; 3. Choose “Non Functional CTP Scenarios”; 4. Start the scenario and heck the screen can display correctly.			
Expected Results:			
1. The user has logged in successfully; 2. The tested system provides a list of all available actions for the configuration of Mode-2; 3. In the scenarios page exist these three scenarios: • Submission of an IE904 and receipt and measurement of the response time for the corresponding IE905 and IE801; • Submission of an IE904 and receipt and measurement of the response time for the corresponding IE905 and IE934; • Submission of 1000 erroneous IE801 messages and receipt and measurement of max and average response time of the corresponding IE917. 4. The screen displays correctly.			
Post Conditions:			

8.3.3 Usability Requirements

8.3.3.1.1 TC121

			TC121
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• SUPL39		Other Dependencies:
Test Description:	Test that every Scenario, stored into the Scenario repository has a unique identifier as defined in the CTP		
Pre Conditions: Valid user accounts exist.			
Execution Steps:			
1. Logon to the application as “[Removed]”; 2. Select the “Administration” option from the “Operation Mode” tab; 3. Select the "Manage Scenarios" action; 4. Select the "Delete a Scenario" option; 5. Fill in the form.			
Expected Results:			
1. The user is successfully logged in; 2. The page is displayed successfully; 3. The action is successful; 4. The page is displayed successfully; 5. The page lists existing scenarios in the tested system and every scenario has a unique identifier.			
Post Conditions:			

8.3.3.1.2 TC122

			TC122
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 19/09/2008
Requirement(s):	• SUPL40		Other Dependencies:
Test Description:	Test that the user is presented with a list of all the CTP message templates in the repository and is able to select an IE out of the list. Also check that the selected IE is presented to the user in a tree-like format		
Pre Conditions: Valid user accounts exist.			
Execution Steps:			
1. Logon to the application as “Mode 1 Operator”; 2. Go to “Data Management” select “IE Repository Update” , select “Add/Create an IE” and click on “Create an IE from template”; 3. Choose CTP defined as source, All types for messages and All datasets and press the Search button; 4. Select an IE out of the list.			
Expected Results:			
1. The user is successfully logged in; 2. The relevant web page is presented to the user; 3. The list of the CTP message templates is displayed; 4. The IE can be selected out of the list, and a preview of it is displayed in tree mode.			
Post Conditions:			

8.3.3.1.3 TC123

			TC123
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 10/06/2008
Requirement(s):	• SUPL41		Other Dependencies:
Test Description:	Test that every IE, stored into the IE repository has a unique identifier as defined in the CTP.		
Pre Conditions: Valid user accounts exist.			
Execution Steps:			
1. Logon to the application as "[Removed]"; 2. Select the "Administration" option from the "Operation Mode"; 3. Select the "Delete an IE Template" option; 4. Choose CTP defined as source, all types for messages, and all datasets and press the Search button.			
Expected Results:			
1. The user is successfully logged in; 2. The page is displayed successfully; 3. The page is displayed successfully; 4. A list with templates is presented to the user and each has a unique identifier.			
Post Conditions:			

8.3.3.1.4 TC124

			TC124
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 10/06/2008
Requirement(s):	• SUPL44		Other Dependencies:
Test Description:	Test that the tested system supports English as the user language.		
Pre Conditions: Valid user accounts exist.			
Execution Steps:			
For all available users: 1. Locate the logon screen and logon to the application; 2. Select to view all available tabs and/or menu of the application.			
Expected Results:			
For all available users: 1. The user is successfully logged in; 2. The user interface is written in the English language.			
Post Conditions:			

8.3.3.1.5 TC125

			TC125
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 12/02/2009
Requirement(s):	• SUPL51		Other Dependencies:
Test Description:	Test that the system allows the user to stop the execution of a non functional CTP scenario (before timers expire).		
Pre Conditions:			
Execution Steps:			

1. Logon to the application as “Mode-2 Remote Operator”; 2. Choose “Mode 2 – Configuration&Run” ; 3. Choose “Non Functional CTP Scenarios”; 4. Choose one of the three scenarios and click on it; 5. Press the “STOP” button.
Expected Results:
1. The user has logged in successfully; 2. The tested system provides a list of all available actions for the configuration of Mode-2; 3. The three non-functional scenarios are displayed successfully; 4. The procedure of the scenario is started successfully; 5. The procedure of the scenario is stopped successfully. A pop-up appears indicating that:” Execution of NF-X scenario from CTP failed”.
Post Conditions:

8.4 *TP13 – Installation*

[Removed]		
Test Procedure Name:	Installation	**TP13**
Description:	This procedure checks installation procedure for TA.	
Test Cases:	• TC144 - Test that DataSet list retrieval/update without the need of re-build and re-deployment. • TC145 - Test that the script will be provided to ensure the necessary updates for TA version, CTP version and DDNEA version without re-building and re-deployment of TA	

8.4.1 Installation procedure

8.4.1.1.1 TC144

			TC144
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 15/11/2009
Requirement(s):			Other Dependencies:
Test Description:	Test that DataSet list retrieval/update without the need of re-build and re-deployment.		
Pre Conditions: Import the CTP main entities into TA as described in Section 11 One-Click Upload of the TA IPM vers.1.27. Check that the datasets were analysed and imported successfully into TA.			
Execution Steps:			
1. Login as Mode-1 Operator into TA and access the "Create IE From Template" page from the menu "DataManagement/IERepositoryUpdate/AddCreateAnIE"; 2. Check that all the imported datasets are available in the DataSet combobox from the search fields; 3. Search using a dataset as criteria.			
Expected Results:			
1. The user has logged in successfully; 2. All the imported datasets are available in the DataSet combobox from the search fields; 3. TA can return the search result successfully.			
Post Conditions:			

8.4.1.1.2 TC145

			TC145
[Removed]	Test Mode: Manual	Test Method: Positive	Last Updated: 16/11/2009
Requirement(s):			Other Dependencies:
Test Description:	Test that the script will be provided to ensure the necessary updates for TA version, CTP version and DDNEA version without re-building and re-deployment of TA		
Pre Conditions: The update of the TA version, the CTP and DDNEA version along with the CTP Main Document and the DDNEA Main Document, to be done without re-building and re-deployment of the TA.			
Execution Steps:			
1. Login as Mode-1 Operator into TA; 2. Check TA version, CTP version and DDNEA version.			
Expected Results:			
1. The user has logged in successfully; 2. TA version, CTP version and DDNEA version display correctly.			
Post Conditions:			

9 Matrix UC's – TC's Phase3

9.1 *Functional Requirements*

Functional Requirements		
Reference	**Description**	**TC Number**
UC-CMN-COM-01	The purpose of this use case is to send a message to the CD or ED.	TC025, TC026, TC027, TC090
UC-CMN-COM-02	The system gets the status of a submitted message. An agent can follow up the status of the message by supplying to the system the message identification information.	TC025, TC026, TC027, TC090
UC-CMN-COM-03	The system receives CD and ED messages. The system receives asynchronously messages from the configured CD incoming queues (in case of incoming CD messages) or from the dedicated ED incoming repository (in case of incoming ED messages) and dispatches them to the configured listeners.	TC021, TC022, TC079
UC-CMN-COM-04	The system receives asynchronously reports from CCN and updates the status of the submitted messages. For the ED, the system detects the status of a submitted message by examining the ED queue for the ED messages.	TC025, TC026, TC027
UC- MOD1-LOG-05	The purpose of this use case is to allow an agent to record application-level events within the context of Mode 1 Testing.	TC021, TC022, TC024, TC025, TC026, TC027, TC001, TC079
UC- MOD1-DTM-07	The purpose of this use case is to illustrate the add/edit/delete of a country's instantiation data in the instantiation data repository.	TC007, TC008, TC009, TC061
UC- MOD1-DTM-09	The purpose of this use case is to describe how the system updates its reference data.	TC010
UC- MOD1-MMAN-10	The purpose of this use case is to describe how the system uses the instantiation data and the IE types, in order to instantiate a message with country specific information.	TC020, TC025, TC026, TC027, TC038
UC-MOD1-MMAN-11	The purpose of this use case is to describe the IE sending process.	TC025, TC026, TC027, TC076
UC- MOD1-MMAN-12	The purpose of this use case is to describe the IE receiving process.	TC021, TC022, TC079
UC-CMN-VALD-15	This use case validates semantically the business content of the messages against Business Rules, DDNEA Rules, Technical Rules, Conditions and Business Codelists.	TC021, TC022, TC024, TC079
UC-MOD2-CORE-16	The purpose of this use case is to describe the processes that take place when the actor selects to set up a scenario before its execution.	TC029
UC-MOD2-CORE-17	The purpose of this use case is to describe the processes that take place when the actor selects to execute a scenario.	TC046, TC002, TC030, TC031, TC032, TC033, TC034, TC073, TC036, TC039, TC080
UC-MOD2-CORE-19	The purpose of this use case is to describe the processes that take place when a scenario mandates the field by field verification between a received IE against a template that holds the expected contents of the IE during the scenario runtime.	TC032, TC033
UC-MOD2-CORE-20	The purpose of this use case is to describe the processes that take place when the sequence of reception of a message type has to be verified against the expected one.	TC030

Functional Requirements		
Reference	**Description**	**TC Number**
UC-MOD2-LOG-21	The purpose of this use case is to describe the processes that create the master log file to a scenario execution.	TC002, TC030, TC031, TC032, TC033, TC034, TC080
UC-MOD2-LOG-22	The purpose of this use case is to allow the logging of application-level events within the context of an execution of a test scenario.	TC030, TC032, TC033
UC-MOD2-LOG-23	The purpose of this use case is to describe the processes that take place when the user requests to view the results of a test session.	TC039, TC040, TC072
UC-MOD2-LOG-24	The purpose of this use case is to describe the processes that take place when the user requests to view the results of a test session.	TC046, TC047, TC041, TC042, TC043, TC072
UC-MOD2-ARCH-25	The purpose of this use case is to describe the process that archives scenario execution results.	TC046
UC-MOD2-ARCH-26	The purpose of this use case is to describe the process that restores archived scenario execution results.	TC047
UC-MOD2-ADMN-29	The purpose of this use case is to describe the process of setting up the test environment in order for a Conformance Test session to be initiated.	TC054, TC055
UC- MOD1-LOG-31	The purpose of this use case is to describe the processes that take place when the user requests to view the Mode-1 Testing logs.	TC004, TC005, TC006, TC001, TC064
UC-CMN-VALD-32	This system validates syntactically the messages against their corresponding XSDs (DDNEA [R5]). This includes: - Validation of the message structure (check for any missing elements as well as for any field type and size violations) and; - Validation of the technical codelists.	TC011, TC012, TC013, TC021, TC022, TC024, TC025, TC026, TC027, TC031, TC032, TC033, TC079, TC080
UC-MOD1-DTM-33	The purpose of this use case is to describe the process of updating the IE repository by: - Creating and adding a new IE (based upon an empty template, based upon an existing IE or from scratch); - Updating the content of an existing IE; - Deleting an existing IE.	TC011, TC012, TC013, TC014, TC015, TC016, TC017, TC018, TC019
UC-MOD1-MMAN-34	The purpose of this use case is to describe the ad-hoc update of the test data during a test-session (just before sending the message).	TC025
UC-MOD2-ADMN-35	The purpose of this use case is to describe the process of managing scenarios in the scenario repository by: - Uploading a new scenario; - Deleting an existing scenario.	TC048, TC049, TC050
UC-MOD2-ADMN-36	The purpose of this use case is to describe the process of updating the IE templates that are located in the IE repository by: - Uploading a new IE template; - Deleting an existing IE template.	TC051, TC052, TC053
UC-MOD2-ADMN-37	This use case provides all the necessary actions that should be taken by the TA v2 administrator so as to upload successfully all the required FS1 or FS2 test data on TA v2. All the required material should be contained within a CTP zip data file with a specific defined structure as shown below: - The latest test data either for FS1 or FS2 - The latest documentation data either for FS1 or FS2 - The reference and registration data either for FS1 or FS2	TC081
UC-CMN-VALD-39	This system validates that the value of field CCN Correlation Identifier in an IE is compliant with what is defined in DDNEA for EMCS Phase 3	TC079, TC080, TC021, TC022, TC024, TC031, TC034
UC-MOD2-	The purpose of this use case is to describe the processes that take	TC087, TC088,

Functional Requirements		
Reference	**Description**	**TC Number**
MGT- 40	place when the (FS2) actor selects to execute a Migration scenario.	TC090
UC-MOD2-MGT- 41	The purpose of this use case is to describe the processes that take place when the ARC of reception of a message type has to be verified against the expected one. This verification is only Applicable for Migration Testing.	TC086, TC087, TC088, TC090
UC-MOD2-MGT- 42	The purpose of this use case is to describe what actions must be performed by the [Removed] or the Mode-2 Testing Remote Operator in order to set up a Migration Scenario.	TC087, TC088, TC090
UC-MOD2-MGT- 43	The purpose of this use case is to describe the action that should follow the [Removed] or the Mode-2(FS2) Testing Remote Operator in order to support the execution of a Migration Scenario.	TC090
UC-MOD2-STAT- 44	The purpose of this use case is to describe the processes that take place when the user searches for statistics.	TC082, TC083, TC084
UC-MOD2-STAT- 45	The purpose of this use case is to describe the processes that take place when the Mode-2 Testing Operator has submitted the search criteria and views statistics results.	TC084
UC-MOD2-STAT- 46	The purpose of this use case is to describe the processes that take place when the [Removed] has submitted the search criteria and views statistics results.	TC082, TC083
UC-MOD2-STAT- 47	The purpose of this use case is to describe the processes that take place when the user requests the download of the statistics report.	TC082, TC083, TC084

9.2 *Non Functional Requirements*

Non Functional Requirements		
Reference	**Description**	**TC Number**
SUPL2	All single synchronous request/response operations shall provide an average response time of (no more than) 3 seconds and a maximum response time of (no more than) 30 seconds (assuming that the frequency of the requests and the size of the messages fulfil	TC008,TC007, TC009, TC004, TC005, TC006, TC048, TC049, TC050, TC051, TC052, TC053, TC054, TC055, TC056, TC039, TC040, TC041, TC042, TC043, TC044, TC045
SUPL3	All single asynchronous operations shall provide an average response/completion time of (no more than) 15 minutes and a maximum response time of (no more) than 2 hours (assuming that the frequency of the incoming messages and the size of the messages fulf	TC021, TC022, TC024, TC025, TC026, TC027, TC079
SUPL4	Mode-1 & Mode-2 Testing shall be centrally executed. The TA shall	TC029,

Non Functional Requirements		
Reference	**Description**	**TC Number**
	enable the national users to perform the actions required for Mode-1 & Mode-2 Testing through a web interface. The TA shall support all MSAs concurrently.	TC002, TC030, TC031, TC032, TC033, TC034, TC080
SUPL5	In both CD and ED testing the communication between the TA and the NEA under test will be performed through CCN/CSI queues.	TC021, TC022, TC024, TC025, TC026, TC027, TC029, TC002, TC030, TC031, TC032, TC033, TC034, TC079, TC080
SUPL6	The TA shall communicate via CCN/CSI using the 'National Testing' CSI queues. Utilisation of other Mode CSI queues should be possible with the appropriate configuration.	TC002, TC030, TC031, TC032, TC033, TC034, TC080
SUPL7	The 'Communication' shall process messages in the order that they are received (this may not be the order in which they were sent, since this depends on the transport properties).	TC002, TC030, TC031, TC032, TC033, TC034, TC080
SUPL8	The 'Communication' shall maintain a list of all MSA CCN/CSI Gateways (including the CD/CS Gateway).	TC002, TC030, TC031, TC032, TC033, TC034, TC080
SUPL9	The 'Communication' shall maintain a list of MSA CCN/CSI queues to which XML messages will be sent (including the CD/CS queues).	TC002, TC030, TC031, TC032, TC033, TC034, TC080
SUPL10	The Testing Application shall provide sufficient and accurate diagnostic information to assist the monitoring and resolution of problems (using the logs and the Logging).	TC021, TC022, TC024, TC079
SUPL11	The Mode-1 Testing shall Log all the important events. At the minimum: start-up, shutdown, failures and a summary of all input and output messages (sender, type and identifier). The logs shall remain in central storage for a configurable period (24	TC021, TC022, TC024, TC025,

Non Functional Requirements		
Reference	**Description**	**TC Number**
	hours by default) and the Mode-1 Testing Operator will be able to download them in his local file system anytime before they are deleted. The TA Mode-1 Testing shall enable the user to define the beginning and the end of a log session during which the system will generate a separate log file.	TC026, TC027, TC028, TC079
SUPL13	For Mode-1 Testing, the system shall be developed in such a way that it allows easy re-configuration of: - Queue names; - Business Code lists; - Mapping of queues to roles. The system shall be preloaded with configuration files for those.	TC058, TC062
SUPL14	For Mode-1 Testing, the system shall be pre-loaded at least with all CTP messages within scope of FS1 for EMCS Phase 2 and FS2 for EMCS Phase 3.	TC020, TC057, TC061
SUPL15	For Mode-1 Testing, the system shall be pre-loaded with Reference Data.	TC010,
SUPL16	At the start-up of a test session, all used queues shall be optionally flushed in order to avoid receiving messages from previous test sessions.	TC057, TC058, TC062
SUPL17	The system shall contain a central IE repository for storage and retrieval of IEs.	TC011, TC012, TC013, TC014, TC015, TC016, TC017, TC018, TC019, TC020
SUPL18	Every IE stored into the repository shall have a unique name used as identifier. It shall also allow the user to add a free text description of the IE (although not mandatory or part of the unique key).	TC011, TC012, TC015, TC019, TC020
SUPL19	The TA shall be able to generate an ARC according to ARC structure that is defined in FESS Appendix B	TC020, TC025, TC026, TC027
SUPL20	For Mode-1 Testing, the system shall enable the user to view the events (IE verification/ IE sending/ IE receiving) that have been logged during a log session.	TC021, TC022, TC024, TC025, TC026, TC027, TC079
SUPL21	For Mode-1 Testing, the system shall enable the user to upload/download IEs to/from the central repository.	TC021, TC022, TC024, TC079
SUPL22	The user shall be presented with a list of all IEs in the repository and shall be able to select an IE out of the list. The selected IE shall be presented to the user in a tree-like format.	TC025, TC026, TC027
SUPL23	In CD and in ED mode, before the start of each test-run, for Mode-1 Testing, the system shall allow the user to specify the role of the NEA.	TC057, TC058, TC062
SUPL24	Templates shall be provided for all IEs that are in the scope of TA (see 4.2.1 and 4.3.1). It shall be possible to create a new IE based on a template.	TC020
SUPL25	For Mode-1 Testing, the system shall provide to the user the possibilities to view and modify the instantiation data.	TC007, TC008, TC009,

Non Functional Requirements		
Reference	**Description**	**TC Number**
		TC059, TC060, TC061
SUPL26	The Mode-2 Testing shall provide access restrictions based on user profiles.	TC048, TC051
SUPL27	The Mode-2 Testing users fall into two categories: - The [Removed]. - The Mode-2 Testing Remote Operator.	TC048, TC051
SUPL28	The system shall be able to play multiple roles in one instance. This would allow executing scenarios in which e.g. the TA will play the roles of MSA of Destination and Requesting MSA where the NEA will play the role of MSA of Dispatch.	TC029, TC002, TC030, TC031, TC080, TC032, TC033, TC034
SUPL29	The system shall support the running of parallel instances. This is necessary in order to be able to serve more than one country at the same time, as one instance of TA can serve only one country.	TC002, TC030, TC031, TC032, TC033, TC034, TC080
SUPL30	The system shall contain an IE repository for storage and retrieval of IEs. The IE repository folder shall contain the Conformance Test Generic reference data, the Erroneous reference data and the Instantiation files from which IEs are uploaded into the system database, to be used later on at runtime scenario execution.	TC051, TC052, TC053, TC056
SUPL31	The system shall be able to cope with a predefined format of the Conformance Test Generic data set and the Erroneous data set. In these messages, those fields that need to be instantiated (i.e. that change from country to country) will not have a specific value but a generic tag.	TC029, TC002, TC030, TC031, TC032, TC033, TC034, TC080
SUPL32	The system shall be able to cope with a predefined format of the Instantiation data set. The latter contains all the possible values that correspond to specific tags for each given country, and for each given role that might send an IE.	TC029, TC002, TC030, TC031, TC032, TC033, TC034, TC080
SUPL33	The system shall contain a repository that will be divided as follows: - User defined repository (for additional scenario's pre-validated by the CPT); - Common defined repository (for conformance testing); - Both repositories can be used in pre-conformance and conformance phases of Mode-2. The TA shall be configured to read the data from that repository.	TC068, TC068
SUPL34	The [Removed] shall have full rights access to the Common defined repository.	TC068, TC068
SUPL35	The Mode-2 Testing Remote Operator shall have read only access to the common and user defined repository for his country.	TC068, TC068
SUPL36	Each Remote User has a separate repository for the results of the tests he/she performs.	TC039, TC040, TC041,

Non Functional Requirements		
Reference	**Description**	**TC Number**
		TC042, TC043, TC044, TC045
SUPL37	The system shall produce separate logs containing the different relevant information, in order to improve data readability and to ease the analysis of the logs. Separate logs should be created for Field-by-Field comparison and for the IEs that are expected to be received and be sent.	TC002, TC030, TC031, TC032, TC033, TC034, TC035, TC080
SUPL39	Every Scenario, stored into the Scenario repository shall have a unique identifier as defined in the CTP.	TC068
SUPL40	The user shall be presented with a list of all the IE templates in the repository and shall be able to select an IE out of the list. The selected IE shall be presented to the user in a tree-like format.	This SUPL cannot be tested, thus, correctly, there is not a respective TC in the TST.
SUPL41	Every IE, stored into the IE repository shall have a unique identifier as defined in the CTP.	This SUPL cannot be tested, thus, correctly, there is not a respective TC in the TST.
SUPL43	The system shall be delivered fully configurable to act, for any NEA, as: - MSA of Dispatch; - MSA of Destination; - Requesting MSA.	TC029, TC002, TC030, TC031, TC032, TC033, TC034
SUPL44	The system shall support English as the user interface.	TC069
SUPL45	The system shall present to the user the outcome of the execution of each step of the CTP scenario (success or failure).	TC002, TC030, TC031, TC032, TC033, TC034, TC080
SUPL46	The TA Mode-2 Testing shall support the following non functional CTP scenarios: - Submission of 1000 erroneous IE801 messages and receipt and measurement of max and average response time of the corresponding IE906; - Submission of an IE904 and receipt and measurement of the response time for the corresponding IE905 and IE801; - Submission of an IE904 and receipt and measurement of the response time for the corresponding IE905 and IE934.	TC055, TC002, TC070, TC073
SUPL47	Logon to the web interface must only be allowed via a secure, SSL encrypted connection.	TC066
SUPL49	The application must take appropriate measures to avoid users directly entering SQL commands into the search criteria, as a means of performing unauthorised data operations.	TC067
SUPL50	The Field-by-field verification will provide the user to cross check all	TC035

Non Functional Requirements		
Reference	**Description**	**TC Number**
	message data, except for a. the scenario-execution dependent information (Current Date of Test, Time of Test, Current DateTime of Test, DateTime of RoR, DateTime of Validation of Explanation on Delay, ARC, Message identifier, Correlation_ID); b. the Requesting Office.	
SUPL53	n Mode 2, the Dynamic Information are instantiated as follows: Current Date of Test: TA fills in the date that the test is executed; Time of Test: TA fills in the time that the test is executed; Current DateTime of Test: TA fills in the date and time the test is executed; DateTime of RoR: TA fills in the date and time the IE818 is sent; DateTime of Validation of Explanation on Delay: TA fills in the date and time the IE837 is sent; ARC: If TA is the initiator of the scenario, it generates an ARC in the first message sent, stores the ARC in the TA database and copies the same ARC to every subsequent message sent; If the NEA under test is the initiator of the scenario, TA copies the ARC field from the received message and pastes it to all subsequent TA sending messages; Message identifier: TA fills in a unique id; Correlation_ID: TA fills in the "Message identifier" of the previously received message. More specifically, TA correlates: An IE905 plus any missing re-submitted messages with an incoming IE904 request (in case of status synchronization request); An IE905 with an IE904 request (in case of status request); An IE905 plus the IE934 history message with an IE904 request (in case of history download request); An IE702 or IE821 with an IE701 request (in case of e-AADs list download query); [REMOVED]: TA fills in the outgoing IE818 message a "Body Record Unique Reference" of the matching IE801. More specifically, TA fills in the "Body Record Unique Reference" that has sequence "X" in the IE801 with the same "Sequence Number" as the IE818. In Mode 1, the Dynamic Information instantiation is the same as for Mode-2 except for the following: ARC: If the ARC is not filled in by the user, then it will be generated by the application (regardless the role TA is playing); If the ARC is filled in by the user with an non-empty value, then the application will not generate an ARC but will use the one that the user provided; If the ARC is filled in by the user with an empty value, then a syntactic validation log event will occur. [REMOVED]: If the "Body Record Unique Reference" is not filled in by the user with a fixed value, then it will be generated by the application. More specifically, TA will replace "[REMOVED]" with the value "X"; If the "Body Record Unique Reference" is filled in by the user with an non-empty value, then the application will not generate a "Body Record Unique Reference" but will use the one that the user provided; If the "Body Record Unique Reference" is filled in by the user with an empty value, then a syntactic validation log event will occur	TC002, TC030, TC031, TC032, TC033, TC034, TC035, TC080

Non Functional Requirements		
Reference	**Description**	**TC Number**
SUPL54	The system shall present to the user the selected TA country and the CTP NF Scenarios ID at the moment of the test execution of the Non functional CTP scenarios.	TC070, TC073
SUPL55	TA should be able to locate and identify distinctly the Instantiation Data Repository, IE Repository, Scenario repository and Reference Data Repository based on the preselected Phase. It should also be able to verify an IE and perform logging of all actions done and the outcome of those actions based on the preselected Functional Stage (FS1 or FS2).	This SUPL cannot be tested, thus, correctly, there is not a respective TC in the TST.
SUPL56	TA should be able to process the corresponding information based on the preselected Functional Stage (FS1 or FS2).	This SUPL cannot be tested, thus, correctly, there is not a respective TC in the TST.
SUPL57	TA should be able to serve one country per phase and per mode.	TC001
SUPL58	The system shall provide a "Main menu" to the user, which will enable him/her to accomplish his/her tasks through the corresponding actions. The Main Menu should be displayed according to the remote login access rights. More specific, if the user has rights for both functional stages the Main Menu bar shall maintain the following menu items: •"FS1"; •"FS2". If the user chooses a specific FS, then all the menu options, documentation sections, corresponding search criteria and the search results will refer to data for that FS, where applicable. The Main Menu bar shall always be visible for the user in each TA screen together with the selected FS.	TC058
SUPL59	The system shall provide in the "View Log Events Screen" the ability to the user to view the logs events per phase.	TC064
SUPL60	For the Mode-1 Testing Remote Operator the following screens are available: • "Home"; • "Operation Mode"; • "Mode-1 – Configuration&Run"; • "Data Management"; By default, the system will always provide as a new bar below the main menu bar, the aforementioned screens. By choosing the Operation Mode Screen, the user has the ability to go with Mode-1 Testing. "Mode – 1 Configuration&Run" shall be divided into three screens: the "Test Session Configuration", the Test Execution Control Screen" and the "View Log Events" "Data Management" " shall be divided into three screens: the "Instantiation Data Repository", the "Reference Data Update" and the IE repository update IE repository Update shall be divided into three screens: the "Add/Create an IE", the "Edit an IE" and the "Delete an IE".	TC065

Non Functional Requirements		
Reference	**Description**	**TC Number**
SUPL61	The system shall provide in the "Log-viewing screen in local interface" the ability to the user to view the logs event per Functional Stage (FS1 or FS2).	TC072
SUPL62	For the Mode-2 Testing Remote Operator the following screens are available: • "Home"; • "Operation Mode"; • "Mode-2 – Configuration&Run"; By choosing the Operation Mode Screen, the user has the ability to go with Mode 2 Testing. "Mode – 2 Configuration&Run" shall be divided into four sub-screens: the "Scenario Setup&Run", the "Test Results", the "Restore Archived Test Sessions" and Non Functional CTP scenarios". "Test Results" screen shall be divided into two sub-screens: "Test Session Results" and "Scenario Execution Results".	TC074
SUPL63	When the Mode-1 Testing Operator sends a message, TA should be able to check and inform him/her if the submission of the message for the preselected TA and NEA roles is correct. This check is based on the messages that are sent/received by the TA during Mode – 1 testing according to Table 4 for EMCS Phase 2 and Table 6 for EMCS Phase 3.	TC076
SUPL64	Whenever a user has selected to run a scenario in which TA impersonates more than one country, a new combo box will be created, for each new TA country Each combo box will indicate all countries through a dropdown list that TA can impersonate in a preselected scenario.	TC077
SUPL65	TA should provide the opportunity to the Testing Operator to choose the country/countries and the corresponding business role(s) that TA will impersonate for the current testing session.	TC077
SUPL66	The system shall provide the user with the "run time" console enabling the Testing Operator to monitor in real time the process of a test session execution in both Modes.	TC078
SUPL70	According to DDNEA for EMCS Phase 3 [R4] valid values of CCN Correlation Identifier are considered the following: - For Report Messages (CoA, CoD, EXP, EXC) the CCN Correlation Identifier should be equal to the corresponding value of the original message; - The CCN Correlation Identifier field of the IE702, IE906, and IE917 refusal messages should be equal to the value of the CCN Message Identifier field of the corresponding erroneous message (IE702 for an erroneous IE701, and IE906 and IE917 for any erroneous message); - The CCN Correlation Identifier field of the messages exchanged concerning a movement (IE717, IE801, IE802, IE803, IE807, IE810, IE813, IE818, IE819, IE837, IE840, IE861, IE871, IE904, IE905, and IE934) should to be equal to the ARC + Sequence Number; - The CCN Correlation Identifier field of the rest of the messages in EMCS should be equal to the empty string.	TC021, TC022, TC027, TC031, TC034, TC079, TC080
SUPL71	The System shall be preloaded with the reference data.	TC081
SUPL73	The system verifies (at the receiving side) that the ARC is identical during the entire Migration scenario execution.	TC086, TC090
SUPL74	For the Mode-2 (FS2) Testing Remote Operator a new screen is available under Mode-2 – Configuration&Run page. This page is used only for Migration testing purposes and is called "Migration Scenario Setup&Run".	TC087, TC088, TC090
SUPL75	A download button will be available under the "Migration Scenario	TC087,

Non Functional Requirements		
Reference	**Description**	**TC Number**
	Setup&Run" screen, so as the Mode-2 (FS2) Testing Remote Operator to be able to download P2 fully instantiated messages and consequently initiate a Migration scenario execution.	TC088, TC089, TC090
SUPL76	The following search options are available for the user: • Date and time (starting and ending time) for the scenario statistics; • The scenario identification(s) to be included in the statistics search; For the [Removed] the following options are additionally available: • The Member States(s) to be included in the statistics search; • The graph type for the presentation of statistics (either pie or bars).	TC082, TC083, TC084, TC085
SUPL77	The report consists of three pie graphs: one for the mandatory, one for the optional, and one for the total amount of subscenarios included in the scenarios selected by the user. The following coloring code applies to all three pies: • White color for the part of the pie that represents the percentage of the selected subscenarios that have not been run; • Blue color for the part of the pie that represents the percentage of the selected subscenarios that have been successfully executed with or without warnings; • Red color for the part of the pie that represents the percentage of the selected subscenarios that have failed with or without warnings.	TC082, TC083, TC084
SUPL78	The report contains in one diagram as many bars as the number of the selected Member States. The following coloring code applies to all bars: • White color for the part of the bar that represents the percentage of the selected subscenarios that have not been run; • Blue color for the part of the bar that represents the percentage of the selected subscenarios that have been successfully executed with or without warnings; • Red color for the part of the bar that represents the percentage of the selected subscenarios that have failed with or without warnings.	TC082, TC083

9.3 *TP's – TC's*

TP1	Communication	TC001, TC076, TC079, TC080.
TP2	Logging	TC004, TC005, TC006.
TP3	Data Management	TC007, TC008, TC009, TC010, TC011, TC012, TC013, TC014, TC015, TC016, TC017, TC018, TC019, TC081.
TP4	Message Manipulation	TC020, TC021, TC022, TC024, TC025, TC026, TC027, TC028.

TP5	Core	TC029, TC030, TC031, TC032, TC033, TC034, TC035, TC036, TC038, TC077, TC086, TC087, TC088, TC089, TC090.
TP6	Logging	TC002, TC039, TC040, TC041, TC042, TC043, TC044, TC045, TC072, TC078.
TP7	Archiving	TC046,TC047.
TP8	Administration	TC048, TC049, TC050, TC051, TC052, TC053, TC054, TC055, TC056.
TP09	Mode 1 Testing Functionality	TC057, TC058, TC059, TC060, TC062, TC063, TC064, TC065.
TP10	Mode 2 Testing Functionality	TC066, TC067, TC068, TC069, TC070, TC071, TC073, TC074, TC075, TC003
TP11	Statistics	TC082, TC083, TC084, TC085.

10 Matrix UC's – TC's Phase2

10.1 *Functional Requirements*

Functional Requirements		
Reference	**Description**	**TC Number**
UC-CMN-VALD-15	This use case validates semantically the business content of the messages against Business Rules [R9], DDNEA [R4] Rules, Technical Rules, Conditions and Business Codelists.	TC001
UC-CMN-VALD-32	This system validates syntactically the messages against their corresponding XSDs (DDNEA [R4]). This includes: ▪ Validation of the message structure (check for any missing elements as well as for any field type and size violations) and; ▪ Validation of the technical codelists.	TC003, TC004
UC-CMN-COM-01	The purpose of this use case is to send a message to the CD or ED.	TC006, TC047, TC049, TC050, TC051, TC053, TC054, TC057,

Functional Requirements		
Reference	**Description**	**TC Number**
		TC058, TC061, TC062
UC-CMN-COM-02	The system gets the status of a submitted message. An agent can follow up the status of the message by supplying to the system the message identification information.	TC010, TC011, TC012, TC013, TC014
UC-CMN-COM-03	The system receives CD and ED messages. The system receives asynchronously messages from the configured CD incoming queues (in case of incoming CD messages) or from the dedicated ED incoming repository (in case of incoming ED messages) and dispatches them to the configured listeners.	TC055, TC059
UC-CMN-COM-04	The system receives asynchronously reports from CCN and updates the status of the submitted messages. For the ED, the system detects the status of a submitted message by examining the ED queue for the ED messages.	TC018
UC-MOD1-LOG-05	The purpose of this use case is to allow an agent to record application-level events within the context of Mode 1 Testing.	TC023, TC024, TC025
UC-MOD1-LOG-31	The purpose of this use case is to describe the processes that take place when the user requests to view the Mode-1 Testing logs.	TC023, TC024, TC025, TC151, TC155, TC154.
UC-MOD1-DTM-07	The purpose of this use case is to illustrate the add/edit/delete of a country's instantiation data in the instantiation data repository.	TC026, TC027, TC028
UC-MOD1-DTM-09	The purpose of this use case is to describe how the system updates its Reference Data	TC029, TC030, TC031, TC032, TC033, TC034
UC-MOD1-DTM-33	The purpose of this use case is to describe the process of updating the IE repository by: ▪ Creating and adding a new IE (based upon an empty template, based upon an existing IE or from scratch); ▪ Updating the content of an existing IE; ▪ Deleting an existing IE.	TC036, TC037, TC038, TC039, TC040, TC041, TC042, TC043
UC-MOD1-MMAN-10	The purpose of this use case is to describe how the system uses the instantiation data and the IE types, in order to instantiate a message with country specific information.	TC044
UC-MOD1-MMAN-11	The purpose of this use case is to describe the IE sending process	TC047, TC048, TC049, TC050, TC051, TC052, TC053, TC054
UC-MOD1-MMAN-12	The purpose of this use case is to describe the IE receiving process.	TC055, TC056, TC057, TC058, TC059, TC060, TC061, TC062
UC-MOD1-MMAN-34	The purpose of this use case is to describe the ad-hoc update of the test data during a test-session (just before sending the message).	TC063, TC064
UC-MOD2-CORE-16	The purpose of this use case is to describe what actions must be performed by the [Removed] or the Mode-2 Testing Remote Operator in order to set up a scenario.	TC065,
UC-MOD2-CORE-17	The purpose of this use case is to describe the processes that take place when the actor selects to execute a scenario.	TC066, TC067, TC068, TC069, TC070, TC071, TC152, TC157,TC159
UC-MOD2-CORE-19	The purpose of this use case is to describe the processes that take place when a scenario mandates the field by field verification between a received IE against a template that holds the expected	TC068, TC071

Functional Requirements		
Reference	**Description**	**TC Number**
	contents of the IE during the scenario runtime.	
UC-MOD2-CORE-20	The purpose of this use case is to describe the processes that take place when the sequence of reception of a message type has to be verified against the expected one.	TC067, TC071
UC-MOD2-LOG-21	The purpose of this use case is to describe the processes that create the master log file to a scenario execution.	TC072
UC-MOD2-LOG-22	The purpose of this use case is to allow the logging of application-level events within the context of an execution of a test scenario.	TC073, TC074, TC075, TC076, TC077, TC156.
UC-MOD2-LOG-23	The purpose of this use case is to describe the processes that take place when the user requests to view the results of a test session.	TC078, TC079, TC153
UC-MOD2-LOG-24	The purpose of this use case is to describe the processes that take place when the user requests to view the results of one or more scenario executions.	TC080, TC081, TC082, TC128, TC150
UC-MOD2-ARCH-25	The purpose of this use case is to describe the process that archives scenario execution results.	TC083
UC-MOD2-ARCH-26	The purpose of this use case is to describe the process that restores archived scenario execution results.	TC083
UC-MOD2-ADMN-29	The purpose of this use case is to describe the process of setting up the test environment in order for a Mode-2 Test session to be initiated.	TC084, TC085, TC087
UC-MOD2-ADMN-35	The purpose of this use case is to describe the process of managing scenarios in the scenario repository by: ▪ Uploading a new scenario; ▪ Deleting an existing scenario.	TC089, TC090, TC091, TC092, TC093, TC094
UC-MOD2-ADMN-36	The purpose of this use case is to describe the process of updating the IE templates that are located in the IE repository by: ▪ Uploading a new IE template; ▪ Deleting an existing IE template.	TC095, TC096, TC097, TC098, TC099

Non Functional Requirements

Non Functional Requirements		
Reference	**Description**	**TC Number**
SUPL1	The TA security will depend on the provisions of the CCN network (see 5.2.2 section of SESS [R5]).	TC100, TC148,TC149
SUPL2	All single synchronous request/response operations shall provide an average response time of (no more than) 3 seconds and a maximum response time of (no more) than 30 seconds (assuming that the frequency of the requests and the size of the messages fulfil the conditions imposed by the maximum throughput of the application)	TC102
SUPL3	All single asynchronous operations shall provide an average response/completion time of (no more than) 15 minutes and a maximum response time of (no more) than 2 hours (assuming that the frequency of the incoming messages and the size of the messages fulfil the conditions imposed by the maximum throughput of the application).	TC103
SUPL4	Mode-1 and Mode-2 Testing shall be centrally executed. The TA shall enable the national users to perform the actions required for Mode-1 and Mode-2 Testing through a web interface. The TA shall support all MSAs concurrently.	TC104,TC158
SUPL5	In both CD and ED testing the communication between the TA and the NEA under test will be performed through CCN/CSI queues.	TC047
SUPL6	The TA shall communicate via CCN/CSI using the 'National Testing' CSI queues (RCT). Utilisation of other Mode CSI queues should be possible with the appropriate configuration.	TC047, TC048
SUPL7	The "Communication" service shall process messages in the order that they are received (this may not be the order in which they were sent, since this depends on the transport properties).	TC047, TC048
SUPL8	The "Communication" service shall maintain a list of all MSA CCN/CSI Gateways.	TC105
SUPL9	The "Communication" service shall maintain a list of MSA CCN/CSI queues to which XML messages will be sent.	TC106
SUPL10	The Testing Applications shall provide sufficient and accurate diagnostic information to assist the monitoring and resolution of problems (using the logs and the Logging).	TC023, TC072, TC073, TC078 TC080
SUPL11	The Mode-1 Testing shall Log all the important events. At the minimum: start-up, shutdown, failures and a summary of all input and output messages (sender, type and identifier). The logs shall remain in central storage for a configurable period (24 hours by default) and the Mode-1 Testing Operator will be able to download them in his local file system anytime before they are deleted. The TA Mode-1 Testing shall enable the user to define the beginning and the end of a log session during which the system will generate a separate log file.	TC108
SUPL13	For Mode-1 Testing, the system shall be developed in such a way that it allows easy re-configuration of: - Queues. More specifically, the system shall allow the introduction of new queues of the same type. The system shall be preloaded with a configuration repository for those.	TC109
SUPL14	For Mode-1 Testing, the system shall be pre-loaded at least with all CTP messages within scope of FS0 and FS1.	TC110
SUPL15	For Mode-1 Testing, the system shall be pre-loaded with Reference Data.	TC110
SUPL16	At the start-up of a test session, all used queues shall be optionally flushed in order to avoid receiving messages from previous test sessions.	TC111
SUPL17	The system shall contain a central IE repository for storage and retrieval of IEs.	TC112

Non Functional Requirements		
Reference	**Description**	**TC Number**
SUPL18	Every IE stored into the repository shall have a unique name used as identifier. It shall also allow the user to add a free text description of the IE (although not mandatory or part of the unique key).	TC113
SUPL19	The TA shall be able to generate an ARC according to ARC structure that is defined in FESS Appendix B [R1].	TC107
SUPL20	For Mode-1 Testing, the system shall enable the user to view the events (IE verification/ IE sending/ IE receiving) that have been logged during a log session.	TC047, TC055
SUPL21	For Mode-1 Testing, the system shall enable the user to upload/download IEs to/from the central repository.	TC063
SUPL22	The user shall be presented with a list of all IEs in the repository and shall be able to select an IE out of the list. The selected IE shall be presented to the user in a tree-like format.	TC047
SUPL23	In CD and in ED mode, before the start of each test-run, for Mode-1 Testing, the system shall allow the user to specify the role of the NEA.	TC047, TC055
SUPL24	Templates shall be provided for all IEs that are in the scope of TA. It shall be possible to create a new IE based on a template.	TC063
SUPL25	For Mode-1 Testing, the system shall provide to the user the possibilities to view and modify the instantiation data.	TC026, TC027, TC028
SUPL26	The Mode-2 Testing shall provide access restrictions based on user profiles.	TC114
SUPL27	The Mode-2 Testing users fall into two categories: ▪ The [Removed]. ▪ The Mode-2 Testing Remote Operator.	TC114
SUPL28	The system shall be able to play multiple roles in one instance. This would allow executing scenarios in which e.g. the TA will play the roles of MSA of Destination and Requesting MSA where the NEA will play the role of MSA of Dispatch.	TC115
SUPL29	The system shall support the running of parallel instances. This is necessary in order to be able to serve more than one country at the same time, as one instance of TA can serve only one country.	TC115
SUPL30	The system shall contain an IE repository for storage and retrieval of IEs. The IE repository folder shall contain the Conformance Test Generic Reference Data, the Erroneous Reference Data and the Instantiation files from which IEs are uploaded into the system database, to be used later on at runtime scenario execution	TC116
SUPL31	The system shall be able to cope with a predefined format of the Conformance Test Generic data set and the Erroneous data set. In these messages, those fields that need to be instantiated (i.e. that change from country to country) will not have a specific value but a generic tag.	TC065,
SUPL32	The system shall be able to cope with a predefined format of the Instantiation data set. The latter contains all the possible values that correspond to specific tags for each given country, and for each given role that might send an IE.	TC065,
SUPL33	The system shall contain a repository that will be divided as follows: ▪ User defined repository (for additional scenario's pre-validated by the CPT); ▪ Common defined repository (for conformance testing); ▪ Both repositories can be used in pre-conformance and conformance phases of Mode-2. The TA shall be configured to read the data from that repository.	TC116
SUPL34	The [Removed] shall have full rights access to the Common defined repository.	TC117

Non Functional Requirements		
Reference	**Description**	**TC Number**
SUPL35	The Mode-2 Testing Remote Operator shall have read only access to the common and user defined repository for his country.	TC117
SUPL36	Each Remote User has a separate repository for the results of the tests he/she performs.	TC118
SUPL37	The system shall produce separate log files containing the different relevant information, in order to improve data readability and to ease the analysis of the log files. Separate log files should be created for Field-by-Field comparison and for the IEs that are expected to be received and be sent.	TC119, TC154.
SUPL39	Every Scenario, stored into the Scenario repository shall have a unique identifier as defined in the CTP [R7].	TC121
SUPL40	The user shall be presented with a list of all the CTP messages templates in the repository and shall be able to select an IE out of the list. The selected IE shall be presented to the user in a tree-like format.	TC122
SUPL41	Every IE, stored into the IE repository shall have a unique identifier as defined in the CTP [R7].	TC123
SUPL43	The system shall be delivered fully configurable to act, for any NEA, as: • MSA of Dispatch • MSA of Destination • Requesting MSA	TC065, TC066
SUPL44	The system shall support English as the user interface.	TC124
SUPL45	The system shall present to the user the outcome of the execution of each step of the CTP scenario (success or failure)	TC072
SUPL46	The TA Mode-2 Testing shall support the following Non Functional CTP scenarios: • Submission of 1000 erroneous IE801 messages and receipt and measurement of max and average response time of the corresponding IE917; • Submission of an IE904 and receipt and measurement of the response time for the corresponding IE905 and IE801; • Submission of an IE904 and receipt and measurement of the response time for the corresponding IE905 and IE934.	TC120, TC128
SUPL47	Logon to the web interface must only be allowed via a secure, SSL encrypted connection.	TC100, TC148,TC149
SUPL48	All management of users, passwords and profiles must be done via the existing CCN security administration tools.	TC100, TC148,TC149
SUPL49	The application must take appropriate measures to avoid users directly entering SQL commands into the search criteria, as a means of performing unauthorised data operations.	TC101
SUPL50	In the field-by-field verification all message data is cross-checked except for: • The scenario-execution dependent information (Current Date of Test, Time of Test, Current DateTime of Test, DateTime of RoR, DateTime of Validation of Explanation on Delay, ARC, Message identifier, Correlation_ID); • The Requesting Office.	TC126
SUPL51	The system shall allow the user to stop the execution of a non functional CTP scenario (before timers expire).	TC125
SUPL52	The system shall provide a predefined TimeOut feature for the NF scenarios. The system shall calculate the TimeOut period as follows: Time elapsed between the time when the first check in the queues for an incoming message is performed (as indicated by the scenario) and the time the message is actually received. The TimeOut shall apply to each individual message expected to be received by the TA (as defined in the scenario). When the TimeOut for an individual expected message	The NF timeout is not used anymore

Non Functional Requirements		
Reference	**Description**	**TC Number**
	expires, the execution of the scenario shall be terminated and the scenario shall be marked as failed. When the TimeOut for an individual expected message does not expire, the scenario shall continue and the TimeOut shall be reset for the next expected message.	
SUPL53	In Mode 2, the Dynamic Information are instantiated as follows: • Current Date of Test: TA fills in the date that the test is executed; • Time of Test: TA fills in the time that the test is executed; • Current DateTime of Test: TA fills in the date and time the test is executed; • DateTime of RoR: TA fills in the date and time the IE818 is sent; • DateTime of Validation of Explanation on Delay: TA fills in the date and time the IE837 is sent; • ARC: o If TA is the initiator of the scenario, it generates an ARC in the first message sent, stores the ARC in the TA database and copies the same ARC to every subsequent message sent; o If the NEA under test is the initiator of the scenario, TA copies the ARC field from the received message and pastes it to all subsequent TA sending messages; • Message identifier: TA fills in a unique id; • Correlation_ID: TA fills in the "Message identifier" of the previously received message. More specifically, TA correlates: o An IE905 plus any missing re-submitted messages with an incoming IE904 request (in case of status synchronization request); o An IE905 with an IE904 request (in case of status request); o An IE905 plus the IE934 history message with an IE904 request (in case of history download request); o An IE702 or IE821 with an IE701 request (in case of e-AADs list download query); • [REMOVED]: TA fills in the outgoing IE818 message a "Body Record Unique Reference" of the matching IE801. More specifically, TA fills in the "Body Record Unique Reference" that has sequence "X" in the IE801 with the same "Sequence Number" as the IE818. In Mode 1, the Dynamic Information instantiation is the same as for Mode-2 except for the following: o ARC: ▪ If the ARC is not filled in by the user, then it will be generated by the application (regardless the role TA is playing); ▪ If the ARC is filled in by the user with an non-empty value, then the application will not generate an ARC but will use the one that the user provided; ▪ If the ARC is filled in by the user with an empty value, then a syntactic validation log event will occur. o [REMOVED]: ▪ If the "Body Record Unique Reference" is not filled in by the user with a fixed value, then it will be generated by the application. More specifically, TA will replace "[REMOVED]" with the value "X"; ▪ If the "Body Record Unique Reference" is filled in by the user with an non-empty value, then the application	TC003, TC047, TC051, TC129, TC130, TC131, TC132,TC133, TC134

Non Functional Requirements		
Reference	**Description**	**TC Number**
	will not generate a "Body Record Unique Reference" but will use the one that the user provided; ▪ If the "Body Record Unique Reference" is filled in by the user with an empty value, then a syntactic validation log event will occur.	
SUPL54	Test that the application displays the Non Functional CTP scenarios correctly.	TC143, TC152

10.2 *TP's – TC's*

TP1	Validations	TC003, TC004.
TP2	Communication	TC006, TC010, TC011, TC012, TC013, TC014, TC018.
TP3	Logging	TC023, TC024, TC025.
TP4	Data Management	TC001, TC026, TC027, TC028, TC029, TC030, TC031, TC032, TC033, TC034, TC036, TC037, TC038, TC039, TC040, TC041, TC042, TC043, TC151, TC155.
TP5	Message Manipulation	TC044, TC047, TC048, TC049, TC050, TC051, TC052, TC053, TC054, TC055, TC056, TC057, TC058, TC059, TC060, TC061, TC062, TC063, TC064, TC129, TC130, TC131, TC132, TC133, TC134, TC140, TC141,TC142, TC146.
TP6	Core	TC065, TC135, TC136, TC137, TC066, TC067, TC068, TC069, TC070, TC071, TC152, TC157, TC159.
TP7	Logging	TC072, TC073, TC074, TC075, TC076, TC077, TC078, TC079, TC080, TC081, TC082, TC128, TC150, TC153, TC156, TC162.
TP8	Archiving	TC083.
TP9	Administration	TC084, TC085, TC087, TC089, TC090, TC091, TC092, TC093, TC094, TC095, TC096, TC097, TC098, TC099.
TP10	Common Functionality	TC100, TC101, TC102, TC103, TC104, TC105, TC106, TC107. TC148, TC149, TC154, TC160, TC161.
TP11	Mode 1 Testing Functionality	TC108, TC109, TC110, TC111, TC112, TC113, TC158.

TP12	Mode 2 Testing Functionality	TC114, TC115, TC116, TC117, TC118, TC119, TC120, TC121, TC122, TC123, TC124, TC125, TC126, TP127, TC143.
TP13	Installation	TC144, TC145.