

ANNEX 6

SEF Tables

SIAR

ETS Testing Plan

UNFCCC SEF application

Version 1.2

Settings

Party:	Slovenia
ISO:	SI
Submission year:	2012
Reported year:	2011
Commitment period:	1
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SLOVENIA'S NATIONAL INVENTORY REPORT 2012

Party Slovenia
 Submission year 2012
 Reported year 2011
 Commitment period 1

Table 1. Total quantities of Kyoto Protocol units by account type at beginning of reported year

Account type	Unit type					
	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	68978470	NO	NO	NO	NO	NO
Entity holding accounts	7428213	127005	NO	147048	NO	NO
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation accounts	NO	NO	NO	NO		
Other cancellation accounts	NO	NO	NO	NO	NO	NO
Retirement account	15595572	169605	NO	1165067	NO	NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	92002255	296610	NO	1312115	NO	NO

SLOVENIA'S NATIONAL INVENTORY REPORT 2012

Party Slovenia
 Submission year 2012
 Reported year 2011
 Commitment period 1

Table 2 (a). Annual internal transactions

Transaction type	Additions						Subtractions					
	Unit type						Unit type					
	AAUs	ERUs	RMUs	CERs	tCERs	ICERs	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Article 6 issuance and conversion												
Party-verified projects		NO					NO		NO			
Independently verified projects		NO					NO		NO			
Article 3.3 and 3.4 issuance or cancellation												
3.3 Afforestation and reforestation			NO				NO	NO	NO	NO		
3.3 Deforestation			NO				NO	NO	NO	NO		
3.4 Forest management			NO				NO	NO	NO	NO		
3.4 Cropland management			NO				NO	NO	NO	NO		
3.4 Grazing land management			NO				NO	NO	NO	NO		
3.4 Revegetation			NO				NO	NO	NO	NO		
Article 12 afforestation and reforestation												
Replacement of expired tCERs							NO	NO	NO	NO	NO	
Replacement of expired ICERs							NO	NO	NO	NO		
Replacement for reversal of storage							NO	NO	NO	NO		NO
Replacement for non-submission of certification report							NO	NO	NO	NO		NO
Other cancellation							NO	NO	NO	NO	NO	NO
Sub-total		NO	NO				NO	NO	NO	NO	NO	NO

Transaction type	Retirement					
	Unit type					
	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Retirement	7626379	379068	NO	121300	NO	NO

SLOVENIA'S NATIONAL INVENTORY REPORT 2012

Party	Slovenia
Submission year	2012
Reported year	2011
Commitment period	1

Table 2 (b). Annual external transactions

	Additions						Subtractions					
	Unit type						Unit type					
	AAUs	ERUs	RMUs	CERs	tCERs	ICERs	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Transfers and acquisitions												
FR	380000	92734	NO	608991	NO	NO	412234	NO	NO	109000	NO	NO
DE	554423	100000	NO	122049	NO	NO	20881	116136	NO	474423	NO	NO
GR	NO	NO	NO	NO	NO	NO	3225	NO	NO	NO	NO	NO
IT	17379	NO	NO	NO	NO	NO	NO	NO	NO	1379	NO	NO
LV	9000	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
NL	35154	34000	NO	21090	NO	NO	413217	21000	NO	26500	NO	NO
PL	33000	NO	NO	NO	NO	NO	20000	NO	NO	NO	NO	NO
SK	11000	NO	NO	NO	NO	NO	44000	NO	NO	NO	NO	NO
ES	NO	NO	NO	NO	NO	NO	2270	NO	NO	NO	NO	NO
CH	NO	NO	NO	11170	NO	NO	NO	NO	NO	NO	NO	NO
GB	116015	646602	NO	202797	NO	NO	364409	111974	NO	205306	NO	NO
Sub-total	1155971	873336	NO	966097	NO	NO	1280236	249110	NO	816608	NO	NO

Additional information

[illegible]

Table 2 (c). Total annual transactions

Total (Sum of tables 2a and 2b)	1155971	873336	NO	966097	NO	NO	1280236	249110	NO	816608	NO	NO
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Party Slovenia
 Submission year 2012
 Reported year 2011
 Commitment period 1

Table 3. Expiry, cancellation and replacement

Transaction or event type	Expiry, cancellation and requirement to replace		Replacement					
	Unit type		Unit type					
	tCERs	ICERs	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Temporary CERs (tCERs)								
Expired in retirement and replacement accounts	NO							
Replacement of expired tCERs			NO	NO	NO	NO	NO	
Expired in holding accounts	NO							
Cancellation of tCERs expired in holding accounts	NO							
Long-term CERs (ICERs)								
Expired in retirement and replacement accounts		NO						
Replacement of expired ICERs			NO	NO	NO	NO		
Expired in holding accounts		NO						
Cancellation of ICERs expired in holding accounts		NO						
Subject to replacement for reversal of storage		NO						
Replacement for reversal of storage			NO	NO	NO	NO		NO
Subject to replacement for non-submission of certification report		NO						
Replacement for non-submission of certification report			NO	NO	NO	NO		NO
Total			NO	NO	NO	NO	NO	NO

SLOVENIA'S NATIONAL INVENTORY REPORT 2012

Party	Slovenia
Submission year	2012
Reported year	2011
Commitment period	1

Table 4. Total quantities of Kyoto Protocol units by account type at end of reported year

Account type	Unit type					
	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Party holding accounts	60769496	NO	NO	NO	NO	NO
Entity holding accounts	7886543	372163	NO	175237	NO	NO
Article 3.3/3.4 net source cancellation accounts	NO	NO	NO	NO		
Non-compliance cancellation accounts	NO	NO	NO	NO		
Other cancellation accounts	NO	NO	NO	NO	NO	NO
Retirement account	23221951	548673	NO	1286367	NO	NO
tCER replacement account for expiry	NO	NO	NO	NO	NO	
ICER replacement account for expiry	NO	NO	NO	NO		
ICER replacement account for reversal of storage	NO	NO	NO	NO		NO
ICER replacement account for non-submission of certification report	NO	NO	NO	NO		NO
Total	91877990	920836	NO	1461604	NO	NO

SLOVENIA'S NATIONAL INVENTORY REPORT 2012

Party Slovenia
 Submission year 2012
 Reported year 2011
 Commitment period 1

Table 5 (a). Summary information on additions and subtractions

	Additions						Subtractions					
	Unit type						Unit type					
Starting values	AAUs	ERUs	RMUs	CERs	tCERs	ICERs	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Issuance pursuant to Article 3.7 and 3.8	93628593											
Non-compliance cancellation							NO	NO	NO	NO		
Carry-over	NO	NO		NO								
Sub-total	93628593	NO		NO			NO	NO	NO	NO		
Annual transactions												
Year 0 (2007)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Year 1 (2008)	5000	NO	NO	390468	NO	NO	205165	NO	NO	2734	NO	NO
Year 2 (2009)	90598	NO	NO	1017469	NO	NO	823132	NO	NO	200000	NO	NO
Year 3 (2010)	331407	315610	NO	607745	NO	NO	1025046	19000	NO	500833	NO	NO
Year 4 (2011)	1155971	873336	NO	966097	NO	NO	1280236	249110	NO	816608	NO	NO
Year 5 (2012)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Year 6 (2013)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Year 7 (2014)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Year 8 (2015)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
Sub-total	1582976	1188946	NO	2981779	NO	NO	3333579	268110	NO	1520175	NO	NO
Total	95211569	1188946	NO	2981779	NO	NO	3333579	268110	NO	1520175	NO	NO

Table 5 (b). Summary information on replacement

	Requirement for replacement		Replacement					
	Unit type		Unit type					
	tCERs	ICERs	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Previous CPs			NO	NO	NO	NO	NO	NO
Year 1 (2008)		NO	NO	NO	NO	NO	NO	NO
Year 2 (2009)		NO	NO	NO	NO	NO	NO	NO
Year 3 (2010)		NO	NO	NO	NO	NO	NO	NO
Year 4 (2011)		NO	NO	NO	NO	NO	NO	NO
Year 5 (2012)	NO	NO	NO	NO	NO	NO	NO	NO
Year 6 (2013)	NO	NO	NO	NO	NO	NO	NO	NO
Year 7 (2014)	NO	NO	NO	NO	NO	NO	NO	NO
Year 8 (2015)	NO	NO	NO	NO	NO	NO	NO	NO
Total	NO	NO	NO	NO	NO	NO	NO	NO

Table 5 (c). Summary information on retirement

Year	Retirement					
	Unit type					
	AAUs	ERUs	RMUs	CERs	tCERs	ICERs
Year 1 (2008)	NO	NO	NO	NO	NO	NO
Year 2 (2009)	8062990	NO	NO	797115	NO	NO
Year 3 (2010)	7532582	169605	NO	367952	NO	NO
Year 4 (2011)	7626379	379068	NO	121300	NO	NO
Year 5 (2012)	NO	NO	NO	NO	NO	NO
Year 6 (2013)	NO	NO	NO	NO	NO	NO
Year 7 (2014)	NO	NO	NO	NO	NO	NO
Year 8 (2015)	NO	NO	NO	NO	NO	NO
Total	23221951	548673	NO	1286367	NO	NO

[illegible][illegible]

	Retirement					
	Unit type					
	AAUs	ERUs	RMUs	CERs	tCERs	ICERs

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SIAR Reports

R-2: List of discrepant transaction

DES Respond Code	Average number of occurrences per transaction (X 100.000)		Transaction Number	Proposal Date Time	Transaction Type	Final State	Explanation	Units involved abbreviated		
	Reported Year	Prior to the Reported year						Serial Number	Unit Type	Quantity

No discrepant transaction for the reporting period, pursuant of 15/CMP.1 annex I.E paragraph 12.

R-3: List of CDM notifications

Notification Type	Notification Number	Notification Data Time	Tagred Number of Units	Number of Units Cancelle	Number of Units Replace	Difference		Explanation
						At target date	Post target date	

No CDM notifications were received by the National Registry during the reporting period, pursuant of 15/CMP.1 annex I.E paragraph 13 & 14.

R-4: List of non-replacements*List of non replacement for reversal of storage, non-submission of certification report and impending expiry of ICER or tCER*

Notification Type	Notification Number	Notification Data Time	Target Number of Units	Number of Units Cancelled	Number of Units Replace	Difference between tagged and cancellations or replacements			Explanation
						At target date	target	Post date	

Non-replacement record for reversal of storage notification

Notification Number	Notification Type	Notification Data Time	Target Number of Units	Number of Units Cancelled	Number of Units Replace	Difference between tagged and cancellations or replacements			Explanation
						At target date	target	Post date	

Units concerned		
Serial Number	Unit Type	Quantity

Non-replacement record for impending expiry of ICER or tCER

Notification Number	Notification Type	Notification Data Time	Target Number of Units	Number of Units Cancelled	Number of Units Replace	Difference between tagged and cancellations or replacements			Explanation
						At target date	target	Post date	

Units concerned		
Serial Number	Unit Type	Quantity

Non-replacement record for non-submission of certification report

Notification Number	Notification Type	Notification Data Time	Target Number of Units	Number of Units Cancelled	Number of Units Replace	Difference between tagged and cancellations or replacements			Explanation
						At target date	target	Post date	

Units concerned		
Serial Number	Unit Type	Quantity

No non-replacements occurred during the reporting period, pursuant of 15/CMP.1 annex I.E paragraph 15.

R-5: List of individual units report layout

Serial Number	Unit Type	Quantity	Transaction Number

No invalid units to list for the reporting period, pursuant of 15/CMP.1 annex I.E paragraph 16



EUROPEAN COMMISSION
 DIRECTORATE-GENERAL
 ENVIRONMENT
 Directorate C - Climate Change & Air
**ENV.C.2 - Market based instruments including Greenhouse gas
 emissions trading**

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ETS Testing Plan

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Introduction

Purpose

The purpose of this document is to define the Test Specifications for the verification of Member States registries applications. This test was last updated on November 17, 2010 and will be valid until April 30th, 2011 when all the test figures will need to be recalculated.

This plan documents the testing activities to be conducted by the MS registry administrator or the assigned testing coordinator in order to demonstrate the ability of the registry to perform the processes required under the ETS and its good functioning in conjunction with the Community Independent Transaction Log.

The test cases are mainly based on prior work including:

- The *Commission Regulation (EC) No 2216/2004* for a standardised and secured system of registries pursuant to Directive 2003/87/EC of the European Parliament and of the Council and Decision 280/2004/EC of the European Parliament and of the Council. This document contains the detailed specifications of the technical aspects of the system, including the details of the WSDL and the definitions of the process flows to be tested;
- The *Data Exchange Standards for registry systems under the Kyoto Protocol - TECHNICAL SPECIFICATIONS (Version 1.1)*, document containing the description of the processes, transaction types and supplementary transaction types applicable to the EC registry system
(Downloadable from <https://quickplace.unfccc.int/QuickPlace/itl-rsa>).

Guiding principles and Assumptions

The purpose of process testing is to verify that (i) data acceptance, processing, and retrieval is achieved properly, and (ii) both the UNFCCC Data Exchange Standards and EC Data Exchange Standards have been implemented properly.

The process testing will be achieved through the definition of test cases covering all categories of test as summarized in the table below:

Category (code)	Description
Transaction Specific Tests ("xx-yy")	Validation of the transaction processes by performing a complete life cycle of transaction testing.
Management Tests: <ul style="list-style-type: none"> • clAcc • crAcc • uAcc • uVE 	Registry Management Tests: <ul style="list-style-type: none"> • Close Account • Create Account • Update Account • Update Verified Emissions
Reconciliation Tests ("RECO")	Validation of the reconciliation process.
Upload of Nap tests (NAP)	Validation of the Nap upload functions
Transaction Status (TXST)	Validation of the GetTransactionStatus function

Test cases will be identified by the following attributes:

- Test ID: Test case unique identifier, which will consist of a category code followed by a unique identification number;
- Test Name: Name of the test case;

- Test Description : Description of the purpose of the test case;
- Pre-Requisites: Description of the situation within the CITL before the test case has been initiated; this describes the accounts involved in the test case as well as their relation to the unit blocks before the test case has been initiated;
- Expected Results: Description of the situation within the CITL once the test case will have been completed; this describes the accounts involved in the test case as well as their relation to the unit blocks after the test case has been completed;
- The parameters: Information submitted by the MS Registry to the CITL¹.

Prerequisites

- The conformity test needs to be performed in REG/TEST environment.
- The database has to be reset so all old data is deleted. Please keep in mind that all registries in REG (except those in sandbox) will be reset every Sunday evening. Tests expected to take more than 1 day to complete should not be started on Fridays or need to ask to be placed in sandbox before starting.
- The registry has to be placed in ad hoc testing mode. If the registry is already in cyclic testing, the registry will either have to reschedule the test or ask to be taken out of cyclic testing and into ad hoc testing mode. The two modes cannot coincide.
- The XML-files for the NAP operations have to be created in advance.

Expected result

After each test case it is expected that the balance on the accounts is equal to the balance given in the test case. The National Registry Administrator has to provide a screenshot of this after each case.

¹It is expected that transaction IDs and serial block IDs generated by the registry software may be different from those described in the test cases.

ETS registries test cases

Overview

The following table gives an overview of the processes to be tested and the related test cases

Tx ID	Process description	Test case
01-00	Issue of AAUs and RMUs	5-1
03-00	External transfer (2008-2012 onwards)	7-1, 7-2, 7-3
04-00	Cancellation (2008-2012 onwards)	8-1
05-00	Retirement	13-5
10-00	Internal transfer	6-1, 6-2, 6-3, 6-4, 6-5, 6-6, 6-7, 6-8
10-52	Allowance issue (2008-2012 onwards)	5-1
10-53	Allowance allocation	5-3, 5-4, 12-4
10-61	Conversion of surrendered allowances	13-1
10-62	Conversion of none-allocated allowances	13-3
10-02	Allowance surrender	11-2, 11-3
clAcc	Close Account	10-2
crAcc	Create Account	2-1, 2-2, 12-1
uAcc	Update Account	9-1, 9-2, 9-3
uVE	Update Verified Emissions	11-1, 11-4
RECO	Reconciliation	14-1, 14-2, 14-3, 14-4
NAP	Nap upload	3-1, 3-2, 3-3, 3-4
AddNEInstallation	Adding new entrant new installations to the national allocation plan table	12-2
IncreaseAllocation	Increasing the allocation in the national allocation plan table of existing installations that are new entrants	15-1, 15-3
RemoveNAPallocation	Removing the allocation from the national allocation plan table of installations that are closing	10-1
TXST	Transaction Status	

Test cases – Account Creation

Test case 2-1

Name	Create Party Holding Accounts
Description	In the national registry XX create the following accounts: a Party Holding Account (account ID is 1 – account type is 100), a National Cancellation Account for Commitment Period 1 (account ID is 2 and account type is 230), a National Retirement Account for Commitment Period 1; and a National Retirement Account for Commitment Period 2 (account type is 300).
Pre-condition	The national registry of XX has been created. The Database is empty of data and registry is in Ad hoc testing mode.
Expected result	The follow accounts have been created Party Holding Account, type 100 with ID =1 Cancelation Account for CP1, type 230 with ID = 2 Retirement Account for CP1 and CP2, Type 300
PARAMETRE	
Message From:	XX
Message To:	ITL/CITL
Major Version:	1
Minor Version:	1
Correlation ID:	1 – 4

Test case 2-2

Name	Create Operator and Personal Holding Accounts
Description	In the National Registry of XX, create the following accounts: Three(3) Operator Holding Accounts (type 120)(Account IDs are 10, 11, 12) Each OHA needs to include an installation and its contact information (Installation IDs are 1, 2, and 3) NOTE: Set the permit date to 01/01/2009 for the first 2 installations and to 01/06/2010 for the 3rd installation. Two (2) Personal Holding Accounts (type 121) (Account IDs are 13 and 14) → Set all (or at least the address and phone number of the SAR of the second OHA) to visible at the opening of the accounts
Pre-condition	The national registry of XX has been created. The Database only contains the data of the Party Holding Accounts.

Expected result	<p>The following accounts have been created:</p> <ul style="list-style-type: none"> • 3 Operator Holding Accounts, type 120 (account numbers 10, 11, and 12) • 3 Installations, one related to each of the OHA (installation IDs 1, 2, and 3) with all or at least the address and phone number of the SAR of the second OHA, visible at the opening of the accounts. (The permit date is set to 01/01/2009 for the first 2 and 01/06/20010 for the third installation) • 2 Personal Holding Accounts, type 121 (Account IDs = 13 and 14)
PARAMETRE	
Message From:	Registry XX
Message To:	ITL/CITL
Major Version:	1
Minor Version:	1
Correlation ID:	5 – 10

Test cases – NAP Upload**Test case 3-1**

Name	Upload NAP for CP1					
Description	Upload of a National Allocation Plan from the National Registry of XX for Commitment Period 1 (2008-12). The assigned amount for the national registry of XX is set to 10,000,000 (10 Million) AAU's and the CPR to 450,000					
Pre-condition	The national registry of XX has been created. The Database contains the data of the Party Holding Accounts, Operator Holding Accounts including their installations and 2 Personal Holding Accounts,					
Expected result	The National Allocation Plan from the National Registry of XX for Commitment Period 1 has been loaded and has allocated the amount of 105,000 allowances to the reserve.					
	Inst.	2008	2009	2010	2011	2012
	#1	0	15000	15000	15000	50000
	#2	0	10000	10000	10000	10000
	If allowances for 2008 are removed (25000) a total amount of 240,000 allowances remains. The assigned amount for the national registry of XX is set to 10,000,000 (10 Million) AAU's and the CPR to 450,000					
Response code	None					
PARAMETRE						
Originating Registry:	XX					
Commitment Period:	1					
Assigned amount	9550000					
CPR	450000					
NAP Reserve	105000					
Web service	NAP XML					
Action	"Add"					

Test cases – Amendment to the NAP**Test case 4-1**

Name	Upload an amended NAP for CP1					
Description	Upload of an amended National Allocation Plan from the National Registry of XX for Commitment Period 1 (2008-12) including allocation for installation #3.					
Pre-condition	The national registry of XX has been created. The Database contains the data of the Party Holding Accounts, Operator Holding Accounts including their installations and 2 Personal Holding Accounts. The initial Nap for CP1 has been loaded.					
Expected result	The National Allocation Plan from the National Registry of XX for Commitment Period 1 has been loaded and has allocated the amount of 25,000 allowances to the reserve and					
	Inst.	2008	2009	2010	2011	2012
	#1	0	15000	15000	15000	50000
	#2	0	10000	10000	10000	10000
	#3	0	20000	20000	20000	20000
	The assigned amount for the national registry of XX is set to 10,000,000 (10 Million) AAU's and the CPR to 450,000					
Response code	None					
PARAMETRE						
Originating Registry:	XX					
Commitment Period:	1					
Assigned amount	CPR + 9550000 = 10000000					
CPR	450000					
NAP Reserve	25000 (previous – inst #3 = 105,000-80,000)					
Web service	AddNEInstallationtoNAP					
Correlation ID	11					

Test case 4-2

Name	Upload an amended NAP for CP1
Description	Upload of an amended National Allocation Plan from the National Registry of XX for Commitment Period 1 (2008-12) including installation 3 with amended allocation for installation 3 in year 2012
Pre-condition	The national registry of XX has been created. The Database contains the data of the Party Holding Accounts, Operator Holding Accounts including their installations and 2 Personal Holding Accounts. The initial

	Nap for CP1 has been loaded and the assigned amount has been set..					
Expected result	The National Allocation Plan from the National Registry of XX for Commitment Period 1 has been loaded and has allocated the amount of 15,000 allowances to the reserve and					
	Inst.	2008	2009	2010	2011	2012
	#1	0	15000	15000	15000	50000
	#2	0	10000	10000	10000	10000
	#3	0	20000	20000	20000	30000
	The assigned amount for the national registry of XX is set to 10,000,000 (10 Million) AAU's and the CPR to 450,000					
Response code	None					
PARAMETRE						
Originating Registry:	XX					
Commitment Period:	1					
Assigned amount	CPR + 9,550,000 = 10000000					
CPR	450,000					
NAP Reserve	15,000 (previous – update to inst #3 = 25,000 – 10,000)					
Web service	IncreaseNAPallocationtoNEInstallation					
Correlation ID	12					

Test cases - Issuing and allocation**Test case 5-1**

Name:	Issuance of AAU's for Commitment Period 1 (2008-12).				
Description:	Issuance, in the National Registry of XX of 10,000,000 (10 Million) AAU's having 1 as both original and applicable Commitment Period.				
Pre-Requisites:	The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created. The assigned amount of AAUs and Allowances has been set.				
Expected Results:	Account ID	1	10	11	
	Type	100	120	120	
	Installation		1	2	
	Balance after	10000000	0	0	
	Amount	10000000	0	0	
Response Code:	None				
Parameters	Transaction	ID	Type	Supp. Type	
		XX0001	01	00	
		Registry	Account type	Account ID	
	Transferring	XX			
	Acquiring	XX	100	1	
	Unit	Type	Supp. Type	CP	
		1	0	1	

Test case 5-2

Name:	Issuance of Allowances for Commitment Period 1 (2008-12).				
Description:	Issuance of 240,000 Allowances. Original CP = 1 and applicable CP=1				
Pre-Requisites:	<p>The NAP for CP1 has been uploaded and Operator Holding Account 10,11and 12 and their Installations 1, 2 and 3 have been created.</p> <p>The assigned amount of AAUs and Allowances has been set and AAUs have been issued</p>				
Expected Results:	Account ID	1	10	11	Unit type/supp.

				Type
Type	100	120	120	
Installation		1	2	
Balance after	9,760,000*AAUs	0	0	1-0
	240000	0	0	1-1
Transferred amount	240000			1-1

*remaining = 10,000,000 – 240,000 = 9,760,000 AAUs

None

Transaction	ID	Type	Supp. Type
	XX0002	01	52

	Registry	Account type	Account ID
Transferring	XX		
Acquiring	XX	100	1

Unit	Type	Supp. Type	CP
	1	1	1

Test case 5-3

Name:	Allocation of Allowances to Operators during Commitment Period 1 (2008-12).				
Description:	Allocation for year 2009, within the National Registry XX, of 25,000 Allowances with original CP = 1 and applicable CP = 1 to operator holding accounts, according to the National Allocation Plan that has been uploaded for Commitment Period 1.				
Pre-Requisites:	The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created.				
Expected Results:	AAUs and Allowances have been issued to Party Holding Account 1				
	Account ID	1	10	11	Unit type/supp. type
	Type	100	120	120	
	Installation		1	2	
	Balance after	9760000AAUs 215000 (240000- 25000)	0	0	1-0
	Transferred amount	-25000	15000	10000	1-1
Response Code:	None				
Parameters	Transaction	ID	Type	Supp. Type	
		XX0003	10	53	

	Registry	Account type	Account ID
Transferring	XX	100	1
Acquiring	XX	120	10
Acquiring	XX	120	11

Unit	Type	Supp. Type	CP
	1	1	1

Test case 5-4

Name:	Allocation of Allowances to Operators during Commitment Period 1 (2008-12).			
Description:	Allocation for year 2010, within the National Registry XX, of 25,000 Allowances with original CP = 1 and applicable CP= 1, to operator holding accounts, according to the National Allocation Plan that has been uploaded for Commitment Period 1.			
Pre-Requisites:	The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created.			
Expected Results:	AAUs and Allowances have been issued to Party Holding Account 1			
	Account ID	1	10	11
	Type	100	120	120
	Installation		1	2
	Balance after	9760000	0	0
		190000		20000
		(215000-25000)	30000	
	Transferred amount	-25000	15000	10000
Response Code:	None			
Parameters	Transaction	ID	Type	Supp. Type
		XX0004	10	53
		Registry	Account type	Account ID
	Transferring	XX	100	1

Acquiring	XX	120	10
Acquiring	XX	120	11
Unit	Type	Supp. Type	CP
	1	1	1

Test cases - Internal Transaction

Test case 6-1

Name:	Internal transfer from a Party Holding account to an Operator Holding account within Registry XX			
Description:	Internal transfer, within the National Registry of XX, from Party Holding Account 1 to Operator Holding Account 10 of 25,000 Allowances with original CP = 1 and applicable CP = 1.			
Pre-Requisites:	The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created.			
Expected Results:	AAUs and Allowances have been issued to Party Holding Account 1, and the allocations to installations 1 and 2 have taken place.			
	Account ID	1	10	11
	Type	100	120	120
	Installation		1	2
	Balance after	9760000AAUs	0	0
	Transferred amount	165000 (190000-25000) -25000	55000 (30000+25000) 25000	20000 1-0 1-1 1-1
Response Code:	None			
Parameters				
	Transaction	ID	Type	Supp. Type
		XX0005	10	
		Registry	Account type	Account ID
	Transferring	XX	100	1
	Acquiring	XX	120	10
	Unit	Type	Supp. Type	CP
		1	1	1

Test case 6-2

Name:	Internal transfer (2) – Operator Holding account to Operator Holding Account within Registry XX																																											
Description:	Internal transfer, within the National Registry of XX, of 10,000 Allowances with original CP= 1 and applicable CP = 1 from the operator holding account having 10 as account unique identification number to the operator holding account having 11 as unique identification number.																																											
Pre-Requisites:	The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created. AAUs and Allowances have been issued to Party Holding Account 1, and the allocations to installations 1 and 2 have taken place.																																											
Expected Results:	<table><tr><td>Account ID</td><td>1</td><td>10</td><td>11</td><td>Unit type/supp. type</td></tr><tr><td>Type</td><td>100</td><td>120</td><td>120</td><td></td></tr><tr><td>Installation</td><td></td><td>1</td><td>2</td><td></td></tr><tr><td>Balance after</td><td>9760000</td><td>0</td><td>0</td><td>1-0</td></tr><tr><td></td><td></td><td>45000</td><td>30000</td><td></td></tr><tr><td></td><td></td><td>(55000-10000)</td><td>(20000+10000)</td><td></td></tr><tr><td>Transferred amount</td><td>165000</td><td>-10000</td><td>10000</td><td>1-1</td></tr><tr><td></td><td></td><td></td><td></td><td>1-1</td></tr></table>				Account ID	1	10	11	Unit type/supp. type	Type	100	120	120		Installation		1	2		Balance after	9760000	0	0	1-0			45000	30000				(55000-10000)	(20000+10000)		Transferred amount	165000	-10000	10000	1-1					1-1
Account ID	1	10	11	Unit type/supp. type																																								
Type	100	120	120																																									
Installation		1	2																																									
Balance after	9760000	0	0	1-0																																								
		45000	30000																																									
		(55000-10000)	(20000+10000)																																									
Transferred amount	165000	-10000	10000	1-1																																								
				1-1																																								
Response Code:	None																																											
Parameters	<table><tr><td>Transaction</td><td>ID</td><td>Type</td><td>Supp. Type</td></tr><tr><td></td><td>XX0006</td><td>10</td><td></td></tr></table> <table><tr><td></td><td>Registry</td><td>Account type</td><td>Account ID</td></tr><tr><td>Transferring</td><td>XX</td><td>120</td><td>10</td></tr><tr><td>Acquiring</td><td>XX</td><td>120</td><td>11</td></tr></table> <table><tr><td>Unit</td><td>Type</td><td>Supp. Type</td><td>CP</td></tr><tr><td></td><td>1</td><td>1</td><td>1</td></tr></table>				Transaction	ID	Type	Supp. Type		XX0006	10			Registry	Account type	Account ID	Transferring	XX	120	10	Acquiring	XX	120	11	Unit	Type	Supp. Type	CP		1	1	1												
Transaction	ID	Type	Supp. Type																																									
	XX0006	10																																										
	Registry	Account type	Account ID																																									
Transferring	XX	120	10																																									
Acquiring	XX	120	11																																									
Unit	Type	Supp. Type	CP																																									
	1	1	1																																									

Test case 6-3

Name:	Internal transfer from Operator Holding account to Personal Holding Account within Registry XX
Description:	Internal transfer, within the National Registry of XX, of 10,000 Allowances with original and applicable commitment period = 1, from the Operator Holding account having 11 as account unique identification number to the Personal Holding account having 14 as unique identification number.
Pre-	The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created. AAUs and

Requisites:	Allowances have been issued to Party Holding Account 1, and the allocations to installations 1 and 2 have taken place.				
Expected Results:	Account ID	1	11	14	Unit type/supp. type
	Type	100	120	121	
	Installation		1		
	Balance after	9760000	0	0	1-0
			20000 (30000-10000)	10000	
	Transferred amount	165000	-10000	10000	1-1
					1-1
Response Code:	None				
Parameters					
	Transaction	ID	Type	Supp. Type	
		XX0007	10		
		Registry	Account type	Account ID	
	Transferring	XX	120	11	
	Acquiring	XX	121	14	
	Unit	Type	Supp. Type	CP	
		1	1	1	

Test case 6-4

Name:	Internal transfer from Personal Holding account to the Party Holding account within registry XX			
Description:	Internal transfer, within the National Registry of XX, of 10,000 Allowances with original and applicable CP = 1, from the Personal Holding account having 14 as account unique identification number to the Party Holding account having 1 as unique identification number.			
Pre-Requisites:	<p>The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and Installations 1 and 2 have been created.</p> <p>AAUs and Allowances to Party Holding Account 1 have been issued, and the allocations to installations 1 and 2 have taken place.</p>			
Expected Results:	Account ID	1	14	Unit type/supp. type
	Type	100	121	
	Installation		1	
	Balance after	9760000AAUs	0	1-0

Response Code: Parameters	Transferred amount	175000 (165000+10000) 10000	0 (10000-10000) -10000	1-1 1-1
	None			
	Transaction	ID	Type	Supp. Type
		XX0008	10	
		Registry	Account type	Account ID
	Transferring	XX	121	14
	Acquiring	XX	100	11
	Unit	Type	Supp. Type	CP
		1	1	1

Test case 6-5

Name:	Internal transfer			
Description:	Internal transfer, within the National Registry of XX, of 10,000 Allowances having 1 as both original and applicable commitment period from the Party holding account having 1 as account unique identification number to the operator holding account having 11 as unique identification number.			
Pre-Requisites:	<p>The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created.</p> <p>There has been issued AAUs and Allowances to Party Holding Account 1, and the allocation to installation 1 and 2 have taken place.</p>			
Expected Results:	Account ID	1	10	11
	Type	100	120	120
	Installation		1	2
	Balance after	9760000AAUs 165000 (175000-10000)	0 45000	0 30000 (20000+10000)
	Transferred amount	-10000		10000
Response Code:	None			
Parameters	Transaction	ID	Type	Supp. Type
		XX0009	10	
		Registry	Account type	Account ID

	Transferring	XX	100	1
	Acquiring	XX	120	11
	Unit	Type	Supp. Type	CP
		1	1	1

Test case 6-6

Name:	Internal transfer from Party Holding account to the Operator Holding account.			
Description:	Internal transfer, within the National Registry of XX, of 5,000 Allowances and 10,000 AAUs with original and applicable CP = 1, from the Party Holding account having 1 as account unique identification number to the Operator Holding account having 10 as unique identification number.			
Pre-Requisites:	<p>The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and Installations 1 and 2 have been created.</p> <p>AAUs and Allowances have been issued to Party Holding Account 1, and the allocation to installations 1 and 2 has taken place.</p>			
Expected Results:	Account ID	1	10	11
	Type	100	120	120
	Installation		1	2
	Balance after	9750000* 160000 (165000-5000)	10000 50000 (45000+5000)	0 30000
	Transferred amount	-10000 -5000	10000 5000	1-0 1-1
	*9,760,000 – 10,000			
Response Code:	None			
Parameters	Transaction	ID	Type	Supp. Type
		XX00010	10	
	Registry	Account type	Account ID	
	Transferring	XX	100	1
	Acquiring	XX	120	11
	Unit	Type	Supp. Type	CP
		1	1	1
		1	0	1

Test case 6-7

Name:	Internal transfer from Operator Holding account to a Personal Holding account within Registry XX																																				
Description:	Internal transfer, within the National Registry of XX, of 5,000 Allowances and 10,000 AAUs with original and applicable CP = 1 from the Operator Holding account having 10 as account unique identification number to the Personal Holding account having 14 as unique identification number.																																				
Pre-Requisites:	The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created. AAUs and Allowances to Party Holding Account 1 have been issued, and the allocation to installations 1 and 2 has taken place.																																				
Expected Results:	<table><tr><td>Account ID</td><td>1</td><td>10</td><td>14</td><td>Unit type/supp. type</td></tr><tr><td>Type</td><td>100</td><td>120</td><td>121</td><td></td></tr><tr><td>Installation</td><td></td><td>1</td><td></td><td></td></tr><tr><td>Balance after</td><td>9750000</td><td>0 (10000-10000) 45000</td><td>10000 5000</td><td>1-0</td></tr><tr><td>Transferred amount</td><td>160000</td><td>(50000_5000)</td><td></td><td>1-1</td></tr><tr><td></td><td></td><td>-10000 -5000</td><td>10000 5000</td><td>1-0 1-1</td></tr></table>					Account ID	1	10	14	Unit type/supp. type	Type	100	120	121		Installation		1			Balance after	9750000	0 (10000-10000) 45000	10000 5000	1-0	Transferred amount	160000	(50000_5000)		1-1			-10000 -5000	10000 5000	1-0 1-1		
Account ID	1	10	14	Unit type/supp. type																																	
Type	100	120	121																																		
Installation		1																																			
Balance after	9750000	0 (10000-10000) 45000	10000 5000	1-0																																	
Transferred amount	160000	(50000_5000)		1-1																																	
		-10000 -5000	10000 5000	1-0 1-1																																	
Response Code:	None																																				
Parameters	<table><tr><td>Transaction</td><td>ID</td><td>Type</td><td>Supp. Type</td></tr><tr><td></td><td>XX00011</td><td>10</td><td></td></tr></table> <table><tr><td></td><td>Registry</td><td>Account type</td><td>Account ID</td></tr><tr><td>Transferring</td><td>XX</td><td>120</td><td>10</td></tr><tr><td>Acquiring</td><td>XX</td><td>121</td><td>14</td></tr></table> <table><tr><td>Unit</td><td>Type</td><td>Supp. Type</td><td>CP</td></tr><tr><td></td><td>1</td><td>1</td><td>1</td></tr><tr><td></td><td>1</td><td>0</td><td>1</td></tr></table>					Transaction	ID	Type	Supp. Type		XX00011	10			Registry	Account type	Account ID	Transferring	XX	120	10	Acquiring	XX	121	14	Unit	Type	Supp. Type	CP		1	1	1		1	0	1
Transaction	ID	Type	Supp. Type																																		
	XX00011	10																																			
	Registry	Account type	Account ID																																		
Transferring	XX	120	10																																		
Acquiring	XX	121	14																																		
Unit	Type	Supp. Type	CP																																		
	1	1	1																																		
	1	0	1																																		

Test case 6-8

Name:	Internal transfer from Personal Holding account to the Party Holding account within Registry XX
Description:	Internal transfer, within the National Registry of XX, of 5,000 Allowances and 10,000 AAUs with original and applicable CP = 1 from the Personal Holding account having 14 as account unique identification number to the Party Holding account having 1 as unique identification number.

Pre-Requisites:	The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created.																
Expected Results:	AAUs and Allowances have been issued to Party Holding Account 1 and the allocations to installations 1 and 2 have taken place.																
	Account ID	1	10	14	Unit type/supp. type												
	Type	100	120	121													
	Installation		1														
	Balance after	9760000 165000 160000+5000)	0 45000	0 0	1-0 1-1												
	Transferred amount	10000 5000		-10000 -5000	1-0 1-1												
Response Code:	None																
Parameters	<table><tr><td>Transaction</td><td>ID</td><td>Type</td><td>Supp. Type</td></tr><tr><td></td><td>XX00012</td><td>10</td><td></td></tr></table>				Transaction	ID	Type	Supp. Type		XX00012	10						
	Transaction	ID	Type	Supp. Type													
		XX00012	10														
	<table><tr><td></td><td>Registry</td><td>Account type</td><td>Account ID</td></tr><tr><td>Transferring</td><td>XX</td><td>121</td><td>14</td></tr><tr><td>Acquiring</td><td>XX</td><td>100</td><td>1</td></tr></table>					Registry	Account type	Account ID	Transferring	XX	121	14	Acquiring	XX	100	1	
		Registry	Account type	Account ID													
	Transferring	XX	121	14													
	Acquiring	XX	100	1													
	<table><tr><td>Unit</td><td>Type</td><td>Supp. Type</td><td>CP</td></tr><tr><td></td><td>1</td><td>1</td><td>1</td></tr><tr><td></td><td>1</td><td>0</td><td>1</td></tr></table>				Unit	Type	Supp. Type	CP		1	1	1		1	0	1	
	Unit	Type	Supp. Type	CP													
		1	1	1													
	1	0	1														

Test cases - External Transactions

Test case 7-1

Name:	External transfer between Party Holding accounts of Registry XX and YY.				
Description:	External transfer of 10000 allowances the original and applicable CP = 1 from the Party Holding account within the National Registry of XX having 1 as account unique identification number, to the Party Holding account within the national Registry of YY.				
Pre-Requisites:	<p>The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created.</p> <p>AAUs and Allowances to Party Holding Account 1 have been issued, and the allocations to installations 1 and 2 have taken place.</p>				
Expected Results:	Account ID	1	10	11	Unit type/supp. type

Response Code: Parameters	Type	100	120	120	
	Installation		1	2	
	Balance after	9760000 155000 (165000- 10000)	0	0	1-0
	Transferred amount	-10000	45000	30000	1-1
	None				
	Transaction	ID	Type	Supp. Type	
		XX00013	03		
		Registry	Account type	Account ID	
	Transferring	XX	120	10	
	Acquiring	YY	120	11	
	Unit	Type	Supp. Type	CP	
		1	1	1	

Test case 7-2

Name:	External transfer from Party Holding account of Registry XX to Party Holding account of Registry YY.				
Description:	External transfer of 8,000 allowances and 10,000 AAUs with the original and applicable CP = 1, from the Party Holding account within the National Registry of XX having 1 as account unique identification number, to the Party Holding account within the national Registry of YY.				
Pre-Requisites:	The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created. AAUs and Allowances have been issued to Party Holding Account 1, and the allocations to installations 1 and 2 have taken place.				
Expected Results:				11	Unit type/supp. type
	Account ID	1	10		
	Type	100	120	120	
	Installation		1	2	
	Balance after	9750000	0	0	1-0
		147000 (155000-8000)	45000	30000	1-1
	Transferred amount	-10000 -8000			1-0 1-1
Response Code:	None				
Parameters					

Test case 7-3

Name:	External transfer from Party Holding Account in the Registry YY to the Party Holding of Registry XX
Description:	External transfer of 8000 allowances and 10000 AAUs with original and applicable CP = 1, from Party Holding Account in Registry YY to the Party Holding account having 1 as account identification number within Registry XX.
Pre-	The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created.

Requisites:	AAUs and Allowances have been issued to Party Holding Account 1, and the allocations to installations 1 and 2 have taken place.				
Expected Results:	Test case 7-2 has been executed successfully				
	Account ID	1	10	14	Unit type/supp. type
	Type	100	120	121	
	Installation		1		
	Balance after	9760000	0	0	1-0
		155000 (147000+8000)	45000	30000	1-1
	Transferred amount	10000 8000			1-0 1-1
	Response Code:	None			
Parameters					
	Transaction	ID	Type	Supp. Type	
		XX00015	03		
		Registry	Account type	Account ID	
	Transferring	YY	100		
	Acquiring	XX	100	1	
	Unit	Type	Supp. Type	CP	
		1	1	1	
	1	0	1		

Test cases - Cancellation**Test case 8-1**

Name:	Cancellation of Allowances with original and applicable CP = 1from an Operator Holding account to an adequate Cancellation account within Registry XX.																																								
Description:	Cancellation, within the National Registry of XX, of 15,000 Allowances from the Operator Holding account having 10 as account identifier to the Voluntary Cancellation account having 2 as account identifier.																																								
Pre-Requisites:	<p>The NAP for CP1 has been uploaded and Operator Holding Account 10 and 11 and their Installations 1 and 2 have been created.</p> <p>AAUs and Allowances have been issued to Party Holding Account 1, and the allocations to installations 1 and 2 have taken place.</p>																																								
Expected Results:	<table><tr><td>Account ID</td><td>1</td><td>10</td><td>11</td><td>2</td><td>Unit type/supp. type</td></tr><tr><td>Type</td><td>100</td><td>120</td><td>120</td><td>230</td><td></td></tr><tr><td>Installation</td><td></td><td>1</td><td>2</td><td></td><td></td></tr><tr><td>Balance after</td><td rowspan="2">9760000 155000</td><td>0</td><td>0</td><td></td><td>1-0</td></tr><tr><td>Transferred amount</td><td>30000</td><td>30000</td><td>15000</td><td>1-1</td></tr><tr><td></td><td></td><td>_15000</td><td></td><td>15000</td><td>1-1</td></tr></table>						Account ID	1	10	11	2	Unit type/supp. type	Type	100	120	120	230		Installation		1	2			Balance after	9760000 155000	0	0		1-0	Transferred amount	30000	30000	15000	1-1			_15000		15000	1-1
Account ID	1	10	11	2	Unit type/supp. type																																				
Type	100	120	120	230																																					
Installation		1	2																																						
Balance after	9760000 155000	0	0		1-0																																				
Transferred amount		30000	30000	15000	1-1																																				
		_15000		15000	1-1																																				
Response Code:	None																																								
Parameters	<table><tr><td>Transaction</td><td>ID</td><td>Type</td><td>Supp. Type</td></tr><tr><td></td><td>XX00016</td><td>04</td><td></td></tr></table> <table><tr><td></td><td>Registry</td><td>Account type</td><td>Account ID</td></tr><tr><td>Transferring</td><td>XX</td><td>120</td><td>10</td></tr><tr><td>Acquiring</td><td>XX</td><td>230</td><td>2</td></tr></table> <table><tr><td>Unit</td><td>Type</td><td>Supp. Type</td><td>CP</td></tr><tr><td></td><td>1</td><td>1</td><td>1</td></tr></table>						Transaction	ID	Type	Supp. Type		XX00016	04			Registry	Account type	Account ID	Transferring	XX	120	10	Acquiring	XX	230	2	Unit	Type	Supp. Type	CP		1	1	1							
Transaction	ID	Type	Supp. Type																																						
	XX00016	04																																							
	Registry	Account type	Account ID																																						
Transferring	XX	120	10																																						
Acquiring	XX	230	2																																						
Unit	Type	Supp. Type	CP																																						
	1	1	1																																						

Test cases – Update Account**Test case 9-1**

Name	Update Operator Holding Account – reverse SAR and PAR on the account.
Description	Modification of information related to an Operator Holding account and its contact people within the national registry of XX,. For Operator Account 10 switch the person who is SAR be PAR and switch the PAR to be SAP versa versus.
Pre-condition	Registry XX has been created. The Operator Holding Account 10 and 11 and their Installations 1 and 2 have been created.
Expected result	The SAR has become the PAR and the PAR has become the SAR
Response code	None
PARAMETRE	
Message From:	XX
Message To:	ITL/CITL
Major Version:	1
Minor Version:	1
Correlation ID:	13

Test case 9-2

Name	Update Operator Holding Account – Change of address and visibility information
Description	Modification of information related to an Operator Holding account and its contact people within the national registry of XX,. For Operator Account 11 change phone number of the SAR and change the visibility of the address and phone information.
Pre-condition	Registry XX has been created. The Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created.
Expected result	For Operator Account 11 the phone number of the SAR has been changed and the address and phone information is no longer visible.
Response code	None
PARAMETRE	
Message From:	XX
Message To:	ITL/CITL
Major	1

Version:	
Minor Version:	1
Correlation ID:	14

Test case 9-3

Name	Update Operator Holding Account – make invisible information visible.
Description	Modification of information related to an Operator Holding account and its contact people within Registry XX. For Operator Account 11, change the phone number of the SAR and make the address information visible.
Pre-condition	The national registry of XX has been created. The Operator Holding Account 10 and 11 and their Installation 1 and 2 have been created.
Expected result	For Operator Account 11 the phone number of the SAR has been changed and the address information is visible but not the phone number.
Response code	None
PARAMETRE	
Message From:	XX
Message To:	ITL/CITL
Major Version:	1
Minor Version:	1
Correlation ID:	15

Test case 9-4

Name	Update Operator Holding Account – update permit date
Description	<p>Modification of information related to an Operator Holding account and its contact people within the Registry XX,.</p> <p>If possible, update the permit number for Operator Account.</p> <p>If not possible (due to for example national legislation), change the start date of the permit of the third installation from 01/06/2010 to 01/08/2010).</p> <p>If neither of the two can be performed, skip this test case.</p>
Pre-condition	Registry XX has been created. The Operator Holding Account 10 and 11 and their Installations 1 and 2 have been created.
Expected	For Operator Account 11 the start date of the permit number for the 3 rd

result	installation has been changed.
Response code	None
PARAMETRE	
Message From:	XX
Message To:	ITL/CITL
Major Version:	1
Minor Version:	1
Correlation ID:	16

Test cases - Close Account

NOTE: for these test cases involving the closing of an account, please remember to submit Verified Emissions (even 0) for the installation before the account can be closed.

Test case 10-1

Name	Update NAP for CP1					
Description	Upload of an amended National Allocation Plan from Registry XX for Commitment Period 1 (2008-12) for closing installation 3. All allocations to Installation 3 have been removed to be able to close the account.					
Pre-condition	Registry XX has been created. The Database contains the data of the Party Holding Accounts, Operator Holding Accounts including their installations and 2 Personal Holding Accounts. The initial NAP for CP1 has been loaded and the assigned amount has been set.					
Expected result	The National Allocation Plan from the National Registry of XX for Commitment Period 1 has been loaded and has allocated the amount of 105,000 allowances to the reserve.					
	Inst.	2008	2009	2010	2011	2012
	#1	0	15000	15000	15000	50000
	#2	0	10000	10000	10000	10000
	The assigned amount for the national registry of XX is set to 10,000,000(10 Million) AAU's and the CPR to 450,000					
Response code	None					
PARAMETRE						
Originating Registry:	XX					
Commitment Period:	1					

Assigned amount	10000000
CPR	450000
NAP Reserve	105000
Web service	RemoveNAPallocationofclosingInstallation
Correlation ID	17

Test case 10-2

Name	Closure of Account
Description	Closure of the Operator holding account within Registry XX, having 12 as account unique identification number. (You have to enter 0 VEs for the year 2009 in order to avoid check 7117)
Pre-condition	Registry XX has been created. The Operator Holding Accounts 10, 11 and 12 and their Installations 1, 2 and 3 have been created. Test case 10-1 has been executed successfully.
Expected result	The Operator Account 12 is closed and can not be used
Response code	None
PARAMETRE	
Message From:	XX
Message To:	ITL/CITL
Major Version:	1
Minor Version:	1
Correlation ID:	18

Test cases - Compliance data**Test case 11-1**

Name:	Verify Emissions																																		
Description:	Update of verified emissions table for installation 1 and 2 for year 2010.																																		
Pre-Requisites:	The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created. AAUs and Allowances have been issued to Party Holding Account 1 and the allocations to installations 1 and 2 have taken place.																																		
Expected Results:	<table><tr><td>Account ID</td><td>1</td><td>10</td><td>11</td><td>Unit type/supp. Type</td></tr><tr><td>Type</td><td>100</td><td>120</td><td>120</td><td></td></tr><tr><td>Installation</td><td></td><td>1</td><td>2</td><td></td></tr><tr><td>Balance after</td><td>9760000</td><td>0</td><td>0</td><td>1-0</td></tr><tr><td></td><td>155000</td><td>30000</td><td>30000</td><td>1-1</td></tr><tr><td>Verified Emission</td><td></td><td>9500</td><td>10000</td><td>1-1</td></tr></table>	Account ID	1	10	11	Unit type/supp. Type	Type	100	120	120		Installation		1	2		Balance after	9760000	0	0	1-0		155000	30000	30000	1-1	Verified Emission		9500	10000	1-1				
Account ID	1	10	11	Unit type/supp. Type																															
Type	100	120	120																																
Installation		1	2																																
Balance after	9760000	0	0	1-0																															
	155000	30000	30000	1-1																															
Verified Emission		9500	10000	1-1																															
Response Code:	None																																		
PARAMETRE																																			
Message From:	XX																																		
Message To:	ITL/CITL																																		
Major Version:	1																																		
Minor Version:	1																																		
Correlation ID:	19																																		

Test case 11-2

Name:	Surrendering				
Description:	Surrendering, within Registry XX, of 8,500 Allowances with original and applicable CP= 1, by transferring them from the Operator Holding account having 10 as account unique identification number to the Party Holding account having 1 as account unique identification number.				
Pre-Requisites:	<p>The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created.</p> <p>AAUs and Allowances have been issued to Party Holding Account 1 and the allocations to installations 1 and 2 have taken place.</p>				
Expected Results:	Account ID	1	10	11	Unit type/supp. type

Response Code: Parameters	Type	100	120	120	
	Installation		1	2	
	Balance after	9760000	0	0	1-0
		163500 (155000+8500)	21500 (30000-8500)	30000	1-1
	Transferred amount	8500	-8500		1-1
	None				
	Transaction	ID	Type	Supp. Type	
		XX00017	10	02	
		Registry	Account type	Account ID	
	Transferring	XX	120	10	
	Acquiring	XX	100	1	
	Unit	Type	Supp. Type	CP	
		1	1	1	

Test case 11-3

Name:	Surrendering				
Description:	Surrendering, within Registry XX, of 9000 Allowances with original and applicable CP = 1, by transferring them from the Operator Holding account having 11 as account unique identification number to the Party Holding account having 1 as account unique identification number.				
Pre-Requisites:	<p>The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created.</p> <p>AAUs and Allowances have been issued to Party Holding Account 1 and the allocations to installations 1 and 2 have taken place.</p>				
Expected Results:	Account ID	1	10	11	Unit type/supp. type
	Type	100	120	120	
	Installation		1	2	
	Balance after	9760000	0	0	1-0
		172500 (163500+9000)	21500	21000 (30000-900)	1-1
	Transferred amount	9000		-9000	1-1
Response Code:	None				
Parameters	Transaction	ID	Type	Supp. Type	

	XX00018	10	02	
	Registry	Account type	Account ID	
Transferring	XX	120	11	
Acquiring	XX	100	1	
Unit	Type	Supp. Type	CP	
	1	1	1	

Test case 11-4

Name:	Update Verify Emission			
Description:	Update of verified emissions table for installation 2 for year 2010 with 9000 allowances.			
Pre-Requisites:	<p>The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created.</p> <p>AAUs and Allowances have been issued to Party Holding Account 1 and the allocations to installations 1 and 2 have taken place.</p>			
Expected Results:	Account ID	1	10	11
	Type	100	120	120
	Installation		1	2
	Balance after	9760000	0	0
		172500	21500	21000
	Verified Emission before		9500	10000
	Verified Emission after		9500	9000
Response Code:	None			

PARAMETRE

Message From:	XX
Message To:	ITL/CITL
Major Version:	1
Minor Version:	1
Correlation ID:	20

Test case 11.5

Name:	Upload Compliance XML																			
Description:	The compliance status of the installations for year 2009 need to be updated before April 30, 2010. Upload the XML file. An XML file upload is also needed for correcting VEs for 2010 after April 30? 2010.																			
Pre-Requisites:	The NAP for CP1 has been uploaded and Operator Holding Accounts 10 and 11 and their Installations 1 and 2 have been created. AAUs and Allowances have been issued to Party Holding Account 1 and the allocations to installations 1 and 2 have taken place.																			
Expected Results:	<table><tr><td>Installation</td><td>VE</td><td>Computed compliance</td><td>Compliance Status</td></tr><tr><td>1</td><td>9500</td><td>-0</td><td>D</td></tr><tr><td>2</td><td>9000</td><td>-500</td><td>E</td></tr><tr><td>3</td><td>0</td><td>0</td><td></td></tr></table>				Installation	VE	Computed compliance	Compliance Status	1	9500	-0	D	2	9000	-500	E	3	0	0	
	Installation	VE	Computed compliance	Compliance Status																
	1	9500	-0	D																
	2	9000	-500	E																
	3	0	0																	
Verify the following in the compliance table for 2009.																				
Response Code:	None																			
PARAMETRE																				
Message From:	XX																			
Message To:	ITL/CITL																			
Major Version:	1																			
Minor Version:	1																			
Correlation ID:	21																			

Test cases – New entrants

Test case 12-1

Name	Create Operator Holding Accounts
Description	Creation, in Registry XX of one new Operator Holding Account, as well as its related installation with a permit start date of 01/06/2010
Pre-condition	<p>Registry XX has been created. The Database contains the data of the Party Holding Accounts and</p> <ul style="list-style-type: none"> • 3 Operator Holding Accounts, type 120 (account IDs of 10, 11, 12) • 3 Installations, one related to each of the OHA (IDs of 1, 2, 3) • 2 Personal Holding Accounts, type 121 (Account IDs of 13, 14)
Expected result	<p>Operator Account No 15 has been created together with Installation 4</p> <p>→ The permit start date of installation 4 is 01/06/2010</p>
Response code	None
PARAMETRE	
Message From:	XX
Message To:	ITL/CITL
Major Version:	1
Minor Version:	1
Correlation ID:	22

Test case 12-2

Name	Upload an amended NAP for CP1					
Description	Upload of an amended National Allocation Plan from Registry XX for Commitment Period 1 (2008-12) including allocation for installation #4.					
Pre-condition	Registry XX has been created. The Database contains the data of the Party Holding Accounts, Operator Holding Accounts including their installations and 2 Personal Holding Accounts. The initial NAP for CP1 has been loaded and the assigned amounts have been set.					
Expected result	The National Allocation Plan from Registry XX for Commitment Period 1 has been loaded and has allocated the amount of 45,000 allowances to the reserve and					
	Inst.	2008	2009	2010	2011	2012
	#1	0	15000	15000	15000	50000
	#2	0	10000	10000	10000	10000
	#4	0	0	15000	15000	15000

	The assigned amount for the national registry of XX is set to 10,000,000 (10 Million) AAU's and the CPR to 450,000
Response code	None
PARAMETRE	
Originating Registry:	XX
Commitment Period:	1
Assigned amount	10000000
CPR	450000
NAP Reserve	45000
Web service	AddNEInstallationtoNAP
Correlation id	23

Test case 12-3

Name:	Allocation of Allowances to Installation 4 during Commitment Period 1 (2008-12).					
Description:	Allocation for year 2010, within the National Registry XX, of 15,000 Allowances with original and applicable CP=1, to Operator Holding account13, according to the National Allocation Plan that has been uploaded for Commitment Period 1.					
Pre-Requisites:	The NAP for CP1 has been uploaded and Operator Holding Accounts 10, 11 and 15 and their Installations 1, 2 and 4 has been created.					
	AAUs and Allowances have been issued to Party Holding Account 1					
Expected Results:	Table 0-2					
	Account ID	1	10	11	13	Unit type/supp. Type
	Type	100	120	120	120	
	Installation		1	2	4	
	Balance after	9760000	0	0	0	1-0
		157500 (172500-15000)	21500	21000	15000	1-1
	Transferred amount	-15000			15000	1-1
Response Code:	None					

Parameters	Transaction	ID	Type	Supp. Type
		XX0019	10	53
		Registry	Account type	Account ID
	Transferring	XX	100	1
	Acquiring	XX	120	13
	Unit	Type	Supp. Type	CP
		1	1	1

Test cases – Retirement

Test case 13-1

Name:	Conversion of surrendered allowances into AAUs for retirement				
Description:	Conversion, within Registry XX, of 17500 Surrendered Allowances into AAUs with original and applicable CP = 1.				
Pre-Requisites:	The surrender for Installations 1 and 2 has taken place				
Expected Results:	Table 0-3				
	Account ID	1	10	11	13
	Type	100	120	120	120
	Installation		1	2	4
	Balance after	97425000	0	0	0
		175000			
		(157500+17500)	21500	21000	15000
	Transferred amount	-17500			15000
		17500			
					1-0
					1-1
					1-1
					1-0
Response Code:	None				
Parameters	Transaction	ID	Type	Supp. Type	
		XX0020	10	61	
		Registry	Account type	Account ID	
	Transferring	XX	100	1	
	Acquiring	XX	100	1	
	Unit	Type	Supp. Type	CP	
		1	1	1	

Test case 13-2

Name:	Retirement of surrendered allowances (2008-2012 onwards)					
Description:	Retirement, within Registry XX, of 17,500 AAUs with original and applicable CP=1 equivalent to the surrendering for 2009					
Pre-Requisites:	The surrender for Installations 1 and 2 has taken place and allowances equivalent to the surrendering have been converted into AAUs.					
Expected Results:					Unit type/supp. Type	
	Account ID	1	10	11	4	
	Type	100	120	120	300	
	Installation		1	2		
	Balance after	9725000	0	0	17500	1-0
	175000	21500	21000			1-1
Response Code:	Transferred amount	-17500			17500	1-0
	None					
Parameters						
	Transaction	ID	Type	Supp. Type		
		XX0021	05	01		
		Registry	Account type	Account ID		
	Transferring	XX	100	1		
	Acquiring	XX	300	4		
	Unit	Type	Supp. Type	CP		
		1	0	1		

Test case 13-3

Name:	Retirement AAUs (2008-2012 onwards)				
Description:	Retirement, within Registry XX, of 6,000 AAUs with original and applicable CP = 1 equivalent to the surrender for 2009				
Pre-Requisites:	The AAUs have been issued to account type 100 and account type 300 has been created				
Expected Results:	Table 0-4				
	Account ID	1	10	11	4 Unit type/supp. Type
	Type	100	120	120	300
	Installation		1	2	
	Balance after	9719000	0	0	23500 (17500+6000) 1-0

Response Code:	Transferred amount	175000	21500	21000		1-1
		-6000			6000	1-0
Parameters	None					
	Transaction	ID	Type	Supp. Type		
		XX0024	05			
		Registry	Account type	Account ID		
	Transferring	XX	100	1		
	Acquiring	XX	300	4		
	Unit	Type	Supp. Type	CP		
		1	0	1		

Test cases – Reconciliation

Test case 14-1

Name:	Reconciliation				
Description:	Reconciliation process tested in order to check that the registry and the CITL are consistent.				
Pre-Requisites:	Registry XX has been created and the scenario has been performed.				
Expected Results:	Account Holdings				
	Account ID	Account Type	Holdings	Unit Supp Type	Type/ Unit
	1	100	9719000	1-0	
	2	230	15000	1-1	
	3	300	23500	1-0	
	10	120	21500	1-1	
	11	120	21000	1-1	
	13	120	15000	1-1	

Test case 14-2

Name:	Negative Reconciliation				
Description:	The CITL Helpdesk has to ask the ITL helpdesk to start a new reconciliation.				
Pre-	The national registry of XX has been created and the scenario has been				

Requisites:	performed. In the database one unit block has been moved (manually, not through a transfer) from Operator Account 10 to Operator Account 11
Expected Results:	STL Inconsistent Unit Blocks

Test case 14-3

Name:	Manual Intervention				
Description:	Reconciliation process tested in order to check that the registry is able to handle manual intervention. The Reconciliation has failed and the unit block has to be moved manually from Operator Account 11 to Operator Account 10.				
Pre-Requisites:	The Reconciliation status is STL Inconsistent Unit Blocks.				
Expected Results:	Account Holdings				
	Account ID	Account Type	Holdings	Unit Supp Type	Type/ Unit
	1	100	9719000	1-0	
	2	230	15000	1-1	
	3	300	23500	1-0	
	10	120	21500	1-1	
	11	120	21000	1-1	
	13	120	15000	1-1	

Test case 14-4

Name:	Reconciliation				
Description:	Reconciliation process tested in order to check that the registry and the CITL are consistent.				
Pre-Requisites:	The national registry of XX has been created and the scenario has been performed.				
Expected Results:	Account Holdings				
	Account ID	Account Type	Holdings	Unit Supp Type	Type/ Unit
	1	100	9760000	1-0	
	2	230	15000	1-1	
	3	300	23500	1-0	
	10	120	21500	1-1	
	11	120	21000	1-1	
	13	120	15000	1-1	

Test cases – Replenishment

If the replenishment function is not required for a given Registry, this test case may be skipped.

Test case 15-1

Name	Increase the total amount of the NAP for CP1					
Description	Upload of an amended National Allocation Plan from Registry XX for Commitment Period 1 (2008-12) increasing the number of allowances. This is a normal NAP Upload (as in Test Case 4.1 and 4.2) with "U" (for update) as the action.					
Pre-condition	Registry XX has been created. The Database contains the data of the Party Holding Accounts, Operator Holding Accounts including their installations and 2 Personal Holding Accounts. The initial NAP for CP1 has been loaded and the assigned amount has been set.					
Expected result	The National Allocation Plan from Registry XX for Commitment Period 1 has been loaded and has allocated the amount of 225,000 allowances to the reserve and					
	Inst.	2008	2009	2010	2011	2012
	#1	0	10000	10000	10000	50000
	#2	0	15000	15000	15000	15000
	#4	0	0	15000	15000	15000
	The assigned amount for the national registry of XX is set to 10,000,000 (10 Million) AAU's and the CPR to 450,000					
Response code	None					
PARAMETRE						
Originating Registry:	XX					
Commitment Period:	1					
Assigned amount	10000000					
CPR	450000					
NAP Reserve	225000					
Web service						
Correlation ID	14					

Test case 15-2

Name	Update NAP for CP1
Description	Upload of an amended National Allocation Plan from Registry XX for Commitment Period 1 (2008-12) increasing the numbers of allowances to installation 1 and 2.
Pre-condition	Registry XX has been created. The Database contains the data of the Party Holding Accounts, Operator Holding Accounts including their installations and 2 Personal Holding Accounts. The initial Nap for CP1

	has been loaded and the assigned amount been set.					
Expected result	The National Allocation Plan from the National Registry of XX for Commitment Period 1 has been loaded and has allocated the amount of 140,000 allowances to the reserve and					
	Inst.	2008	2009	2010	2011	2012
	#1	0	10000	30000	30000	15000
	#2	0	25000	25000	25000	25000
	#4	0	0	15000	15000	15000
	The assigned amount for the national registry of XX is set to 10,000,000 (10 Million) AAU's and the CPR to 450,000					
Response code	None					
PARAMETRE						
Originating Registry:	XX					
Commitment Period:	1					
Assigned amount	10000000					
CPR	450000					
NAP Reserve	140000					
Web service						
Correlation ID	15					

Test case 15-3

Name	Update NAP for CP1																													
Description	Upload of an amended National Allocation Plan from Registry XX for Commitment Period 1 (2008-12) decreasing the numbers of allowances.																													
Pre-condition	Registry XX has been created. The Database contains the data of the Party Holding Accounts, Operator Holding Accounts including their installations and 2 Personal Holding Accounts. The initial Nap for CP1 has been loaded and the assigned amount been set.																													
Expected result	<p>The National Allocation Plan from the National Registry of XX for Commitment Period 1 has been loaded and has allocated the amount of 125,000 allowances to the reserve and</p> <table><tr><td>Inst.</td><td>2008</td><td>2009</td><td>2010</td><td>2011</td><td>2012</td></tr><tr><td>#1</td><td>0</td><td>10000</td><td>30000</td><td>30000</td><td>15000</td></tr><tr><td>#2</td><td>0</td><td>25000</td><td>25000</td><td>25000</td><td>25000</td></tr><tr><td>#4</td><td>0</td><td>0</td><td>15000</td><td>15000</td><td>15000</td></tr></table> <p>The assigned amount for the national registry of XX is set to 10,000,000 (10 Million) AAU's and the CPR to 450,000</p>						Inst.	2008	2009	2010	2011	2012	#1	0	10000	30000	30000	15000	#2	0	25000	25000	25000	25000	#4	0	0	15000	15000	15000
Inst.	2008	2009	2010	2011	2012																									
#1	0	10000	30000	30000	15000																									
#2	0	25000	25000	25000	25000																									
#4	0	0	15000	15000	15000																									
Response code	None																													

PARAMETRE	
Originating Registry:	XX
Commitment Period:	1
Assigned amount	10000000
CPR	450000
NAP Reserve	125000
Web service	
Correlation ID	16

Test report of testing the GRETA software v5.1.24

Slovenia passed the official test with the European Commission on 10th January 2011. The new software Greta version 5.1.24 of the Slovenian registry was rolled out into production on 10th of February 2011. The European Commission was confirmed the successful completion of the EU Tests and the authorization to go live which is evident from e-mail (by the European Commission confirming the successful completion of the EU Tests and the authorization to go live) in figure bellow. Slovenia has requested the official test certificate but not yet received it.

