



UNFCCC ITL Administrator

**Standard Independent Assessment Report
Assessment Report
Part 2 - Substance**

Reference:	SIAR/2015/NOR/2/2		
Version number:	2.0	State:	Final
Prepared by:	Miroslav Hrobak/ICZ Slovakia a. s.	Date:	18/10/2016
Reviewed by:	John Bedard/ SRA International, Inc.		
Approved by:	Markwin Pieters/ UNFCCC		

Circulation list

Name/Role	Organization	Info/Action
Miroslav Hrobak, Assessor	ICZ Slovakia a. s.	Info
Heidi McKenna, Assessment Coordinator	Independent Consultant	Info
Loella Bakka, RSA Norway	Norwegian Environment Agency	Action

Document change record

Version	Date	Description
0.1	10/02/2016	Initial Draft
0.2	25/02/2016	Review of initial assessment
1.0	25/02/2016	Draft 1.0 ready for distribution to the Party
2.0	18/10/2016	Final Report

Summary

Ref Nr	Description	Value	Comments
P1.0.1	Party name	Norway	
P1.0.2	Reporting period	2014	
P1.0.3	Submission under review	Files submitted: - [SEF] RREG1_NO_2014.xlsx - [NIR] Norway NIR 2015.pdf and Norway Annex NIR 2015.pdf - [NIR ANNEXES] R2_NO_discrepant transactions 2015 Annex A CSEUR_DB_MODEL_20150113.pdf Annex B Changes from V6.2.1- 6.3.3.2.xlsx Annex H test results EU 2015.docs - [RESPONSE] Consultation_form_P12_NO	Information from the ITL Administrator: - [SEFCR] CR_RREG1_NO_2014.xlsx - [ITL REPORTS R2-R5] RITL2_NO_2014.xlsx RITL3_NO_2014.xlsx RITL4_NO_2014.xlsx RITL5_NO_2014.xlsx
P1.0.4	Previous annual review report reference	FCCC/ARR/2014/NOR (13/05/2015)	

Table of Contents

1. Introduction.....	4
1.1. Overall assessment.....	4
1.2. Summary of findings.....	5
2. Identification of Problems.....	6
3. Identification of Significant Changes.....	11
4. Recommendations.....	14
4.1. Previous Expert Review Team recommendations	14
4.2. Recommendations to address identified problems	15

1. Introduction

The SIAR Part 2 report assesses the substance of a Party's annual submission with regard to its national registry. Each section contains questions related to the specific items to be assessed.

1.1. Overall assessment

Ref Nr	Requirement	Assessment
P2.1.1	Is the information submitted by Party, in relation to its national registry, complete?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
P2.1.2	Problem found with Party's national registry?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
P2.1.3	Any unresolved problem with Party's national registry?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
P2.1.4	Problems identified with the significant changes to the Party's national registry?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
P2.1.5	National registry related recommendations from previous annual review were fully addressed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
P2.1.6	Is there any recommendation that needs to be addressed by the Party?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

1.2. Summary of findings

Ref Nr	Summary of findings
P2.2.1	<ol style="list-style-type: none"> 1. The information on Kyoto Protocol units has been reported in accordance with section I.E of the annex to decision 15/CMP.1 and is accurate. The national registry continues to fulfil the requirements related to its reporting and accounting of information on Kyoto Protocol units, transaction procedures, conformance to the technical standards, public availability of information, security, data integrity and recovery measures. 2. Party has reported information on its accounting of Kyoto Protocol units in the required SEF tables, as required by decisions 15/CMP.1 and 14/CMP.1. The SIAR assessor reviewed the findings included in the SIAR on the SEF and the SEF comparison report.1 The SIAR was forwarded to the ERT prior to the review, pursuant to decision 16/CP.10. 3. Information on the accounting of Kyoto units has been prepared and reported in accordance with section I E of the annex to decision 15/CMP.1, and reported in accordance with decision 14/CMP.1 using the SEF tables. 4. Information reported by Party on records of any discrepancies and on any records of non-replacement were found to be consistent with information provided to the secretariat by the international transaction log (ITL). 5. The SIAR assessor finds that the national registry continues to perform the functions set out in the annex to decision 13/CMP.1 and the annex to decision 5/CMP.1, and continues to adhere to the technical standards for data exchange between registry systems in accordance with relevant Conference of the Parties serving as the meeting of the Parties (CMP) to the Kyoto Protocol decisions. 6. Party has reported its commitment period reserve in its 2015 annual submission. 7. The national registry has fulfilled all requirements regarding the public availability of information in accordance with section II.E of the annex to decision 13/CMP.1. <p><u>Recommendations</u></p> <ol style="list-style-type: none"> 8. NA

2. Identification of Problems

The purpose of this section is to identify any problems with the national registry based on the Party's annual submission and transaction log records that may affect the performance of the functions of the national registry pursuant to paragraph 88 of the annex to decision 22/CMP.1.

Ref Nr	Requirement	Assessment	Comment
	22/CMP.1 paragraph 88.(a) The information is complete and submitted in accordance with section I.E of the annex to decision 15/CMP.1 and relevant decisions of the COP/MOP;	Assessed in SIAR Part 1. Kept here for completeness	
P2.2.2	22/CMP.1 paragraph 88.(b) The information relating to issuance, cancellations, retirement, transfers, acquisitions, replacement and carry-over is consistent with information contained in the national registry of the Party concerned and with the records of the transactions log;	Problem Identified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Party submitted a SEF which is consistent with the ITL records.
P2.2.3	22/CMP.1 paragraph 88.(c) The information relating to transfers and acquisitions between national registries is consistent with the information contained in the national registry of the Party concerned and with the records of the transaction log, and with information reported by the other Parties involved in the transactions;	Problem Identified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Party submitted a SEF which is consistent with the ITL records.
P2.2.4	22/CMP.1 paragraph 88.(d) The information relating to acquisitions of CERs, tCERs, and ICERs from the CDM registry is consistent with the information contained in the national registry of the Party concerned and with the records of the transaction log, and with the clean development mechanism (CDM) registry;	Problem Identified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Party submitted a SEF which is consistent with the ITL records.

Ref Nr	Requirement	Assessment	Comment
P2.2.5	<p>22/CMP.1 paragraph 88.(e)</p> <p>ERUs, CERs, AAUs and RMUs have been issued, acquired, transferred, cancelled, retired, or carried over to the subsequent or from the previous commitment period in accordance with the annex to decision 13/CMP.1;</p>	<p>Problem Identified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>A discrepancy occurred for the Party with response code 5104.</p> <p>In [RESPONSE] Party states that:</p> <ul style="list-style-type: none"> - The transaction consisted of unit blocks from two different CPs - The ITL considered the entire transaction to be for CP2 (which was the CP of the first unit block of the transaction) - The ITL considered the total number of units in the transaction 319,271 as being for CP2 because all units in transactions proposed to the ITL should have the same commitment period - But the total of 319,271 units proposed in the external transfer was greater than the number of CP2 units in holdings account of Norway at the date of 05-Dec-2014 - That triggered the error code 5104, because the transaction could not succeed since it was trying to externally transfer an amount of units higher than its CP2 commitment period holdings. <p>“Norway informed during the review that the error code 5104 was triggered because the transaction could not succeed since it was trying to externally transfer an amount of units higher than its CP2 commitment period holdings. The number of occurrences for this specific discrepancy within the Norwegian registry exceeded the average number of occurrences for all registries for this specific discrepancy”.</p>
P2.2.6	<p>22/CMP.1 paragraph 88.(f)</p> <p>tCERs and ICERs have been issued, acquired, transferred, cancelled, retired and replaced, in accordance with the annex to decision 13/CMP.1 and the annex to decision 5/CMP.1;</p>	<p>Problem Identified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>No discrepancies occurred for the Party and no problem has been identified with regard to its transaction procedures related to tCERs and ICERS.</p>

Ref Nr	Requirement	Assessment	Comment	
P2.2.7	22/CMP.1 paragraph 88.(g) The information reported under paragraph 11 (a) of section I.E. in the annex to decision 15/CMP.1 on the quantities of units in accounts at the beginning of the year is consistent with information submitted the previous year, taking into account any corrections made to such information, on the quantities of units in accounts at the end of the previous year;	Problem Identified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Party submitted a SEF which is consistent with the ITL records and with information submitted in the year prior to the reported year.	
P2.2.8	22/CMP.1 paragraph 88.(h) The required level of the commitment period reserve, as reported, is calculated in accordance with paragraph 6 of the annex to decision 18/CP.7;	Only assessed by the Expert Review Team. Kept here for completeness		
P2.2.9	22/CMP.1 paragraph 88.(i) The assigned amount is calculated to avoid double accounting in accordance with paragraph 9 of the annex to decision 16/CMP.1;	Only assessed by the Expert Review Team. Kept here for completeness		
P2.2.10	22/CMP.1 paragraph 88.(j) A discrepancy has been identified by the transaction log relating to transactions initiated by the Party, and if so the expert review team shall:	Has the discrepancy been identified by the transaction log? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	A discrepancy type 5104 occurred for the Party during the reported period (see [RRITL], Report R-2).	
Repeat for each discrepancy type	P2.2.10.1	22/CMP.1 paragraph 88.(j)(i) Verify that the discrepancy has occurred and been correctly identified by the transaction log;	Has the discrepancy been identified by the transaction log? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	A discrepancy occurred for the Party during the reported period (see [RRITL], Report R-2).
	P2.2.10.2	22/CMP.1 paragraph 88.(j)(ii) Assess whether the same type of discrepancy has occurred previously for that Party;	Has the same type of discrepancy occurred previously for that Party? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	A discrepancy did not occur for the Party before the reported period (see [RRITL], Report R-2).

Ref Nr	Requirement	Assessment	Comment
P2.2.10.3	22/CMP.1 paragraph 88.(j)(iii) Assess whether the transaction was completed or terminated;	Was the transaction completed or terminated? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	The discrepant transaction that occurred for the Party during the reported period was terminated (see [RRITL], Report R-2).
P2.2.10.4	22/CMP.1 paragraph 88.(j)(iv) Has the Party corrected the problem that caused the discrepancy?	Problem that caused the discrepancy corrected? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	In [RESPONSE] the Party informed of why no actions were taken or changes made to address discrepancies. See P2.2.5
P2.2.10.5	22/CMP.1 paragraph 88.(j)(v) Assess whether the problem that caused the discrepancy relates to the capacity of the national registry to ensure the accurate accounting of Kyoto Protocol units, issuance, holding, transfer, acquisition, cancellation and retirement of ERUs, CERs, tCERS, ICERs, AAUs and RMUs, the replacement of tCERs and ICERs, and the carry-over of ERUs, CERs and AAUs	Discrepancy relates to the capacity of the national registry to ensure the accurate accounting? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	The discrepant transaction does not relate to the capacity of the national registry. It does relate to Commitment Period Reserve (see [RRITL], Report R-2).

Ref Nr	Requirement	Assessment	Comment	
P2.2.11	22/CMP.1 paragraph 88.(k) Any record of non-replacement has been sent to the Party by the transaction log in relation to tCERs or ICERs held by the Party, and if so the expert review team shall:	Any tCERs or ICERs subject to non-replacement held by Party? [] Yes [X] No	No non-replacements occurred for the Party.	
Repeat for each non-replacement type (incl Type number)	P2.2.11.1	22/CMP.1 paragraph 88.(k)(i) Verify that the non-replacement has occurred and been correctly identified by the transaction log;	Has the transaction log identified the non-replacement? [] Yes [] No [X] N/A	No non-replacements occurred for the Party.
	P2.2.11.2	22/CMP.1 paragraph 88.(k)(ii) Assess whether non-replacement has occurred previously for that Party;	Has this type of non-replacement previously occurred for that Party? [] Yes [] No [X] N/A	No non-replacements occurred for the Party.
	P2.2.11.3	22/CMP.1 paragraph 88.(k)(iii) Assess whether the replacement was subsequently undertaken;	Was the replacement subsequently undertaken? [] Yes [] No [X] N/A	No non-replacements occurred for the Party.
	P2.2.11.4	22/CMP.1 paragraph 88.(k)(iv) Examine the cause of the non-replacement and whether the Party has corrected the problem that caused the non-replacement;	Has the Party corrected the problem that caused the non-replacement? [] Yes [] No [X] N/A	No non-replacements occurred for the Party.
	P2.2.11.5	22/CMP.1 paragraph 88.(k)(v) Assess whether the problem that caused the non-replacement relates to the capacity of the national registry to ensure the accurate accounting of Kyoto Protocol units, holding, transfer, acquisition, cancellation, and retirement of ERUs, CERs, tCERs, ICERs, AAUs and RMUs, and the replacement of tCERs and ICERs, and if so, initiate a thorough review of the registry system in accordance with part V of these guidelines.	Non-replacement relates to the capacity of the national registry to ensure the accurate accounting? [] Yes [] No [X] N/A	No non-replacements occurred for the Party.

3. Identification of Significant Changes

The purpose of this section is to identify any **significant changes** in the national registry reported by the Party that may affect the performance of the functions contained in the annex to decision 13/CMP.1, the annex to decision 15/CMP.1 and the adherence to the technical standards for data exchange between registry systems in accordance with relevant COP/MOP decisions.

If a change to a Party's national registry has been identified under paragraph 22 of the annex to decision 15/CMP.1 then information relating to this change should be submitted by the Party in accordance with paragraph 32 of the annex to decision 15/CMP.1. This section assesses the submitted changes reported by Party in accordance with paragraph 32 of decision 15/CMP.1, and the further guidance elaborated in the Independent Assessment Report common operational procedure.

Ref Nr	Requirement	Has the Party reported a change?	Problem Identified with the Change?	Comment
P2.3.1	15/CMP.1 paragraph 32.(a) The name and contact information of the registry administrator designated by the Party to maintain the national registry	Not a significant change, left here for completeness		
P2.3.2	15/CMP.1 paragraph 32.(b) The names of the other Parties with which the Party cooperates by maintaining their national registries in a consolidated system	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	No changes occurred for the Party for this item.
P2.3.3	15/CMP.1 paragraph 32.(c) A description of the database structure and capacity of the national registry.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	In [NIR] Section 14 the Party states that changes to the National Registry were limited and that these only affected EU ETS functionality. Assessor notes that minor changes have taken place, but only EU ETS functionality is affected. The relevant CSEUR documentation was provided in the Party's submission, see [NIR Annexes].

Ref Nr	Requirement	Has the Party reported a change?	Problem Identified with the Change?	Comment
P2.3.4	15/CMP.1 paragraph 32.(d) A description of how the national registry conforms to the technical standards for data exchange between registry systems for the purpose of ensuring the accurate, transparent and efficient exchange of data between national registries, the clean development mechanism registry and the transaction log (decision 19/CP.7, paragraph 1)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	In [NIR] Section 14 the Party states that no changes related to Kyoto functionality have been made. Assessor notes that the relevant CSEUR documentation was provided in the Party's submission, see [NIR Annexes].
P2.3.5	15/CMP.1 paragraph 32.(e) A description of the procedures employed in the national registry to minimize discrepancies in the issuance, transfer, acquisition, cancellation and retirement of ERUs, CERs, tCERs, ICERs, AAUs and/or RMUs, and replacement of tCERs and ICERs, and of the steps taken to terminate transactions where a discrepancy is notified and to correct problems in the event of a failure to terminate the transactions	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	No changes occurred for the Party for this item.
P2.3.6	15/CMP.1 paragraph 32.(f) An overview of security measures employed in the national registry to prevent unauthorized manipulations and to prevent operator error and of how these measures are kept up to date	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	No changes occurred for the Party for this item.

Ref Nr	Requirement	Has the Party reported a change?	Problem Identified with the Change?	Comment
P2.3.7	15/CMP.1 paragraph 32.(g) A list of the information publicly accessible by means of the user interface to the national registry	Not a significant change, left here for completeness		
P2.3.8	15/CMP.1 paragraph 32.(h) The Internet address of the interface to its national registry	Not a significant change, left here for completeness		
P2.3.9	15/CMP.1 paragraph 32.(i) A description of measures taken to safeguard, maintain and recover data in order to ensure the integrity of data storage and the recovery of registry services in the event of a disaster	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	No changes occurred for the Party for this item.
P2.3.10	15/CMP.1 paragraph 32.(j) The results of any test procedures that might be available or developed with the aim of testing the performance, procedures and security measures of the national registry undertaken pursuant to the provisions of decision 19/CP.7 relating to the technical standards for data exchange between registry systems.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	In [NIR] Section 14 Party states that both regression testing and Annex H testing were successfully carried out. Assessor notes that the relevant CSEUR documentation was referenced in the Party's submission, see [NIR Annexes].

4. Recommendations

4.1. Previous Expert Review Team recommendations

This section assesses Party's response to the previous annual review recommendations.

Ref Nr	Recommendation from previous Annual Review report (with ref)	Has Party acted on recommendation?	Comment
P2.4.1.1	Recommendation found in FCCC/ARR/2014/NOR (13/05/2015) to include up-to-date holding and transaction information as part of the publicly available information.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The Party states in [NIR] section 14 that recommendation was addressed and that it is fulfilling requirements regarding public availability of information.
P2.4.1.2	Recommendation found in FCCC/ARR/2014/NOR (13/05/2015) to include annexes A and B as part of the annual submission.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The Party states in [NIR] section 14 that recommendation was addressed and assessor verified that supporting documentation was included in the submission.
P2.4.1.3	Recommendation found in FCCC/ARR/2014/NOR (13/05/2015) to improve QC procedures to ensure that the annual submission includes all relevant annexes.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	The Party states in [NIR] section 14 that recommendation was addressed and assessor verified that supporting documentation was included in the submission.

Recommendations to address identified problems

If a problem has been identified earlier in section 2 and 3 or a previous recommendation listed in section 4.1 has not been taken into account, then this section of the report lists a recommendation for each problem to be brought to the attention to the Expert Review Team.

Ref Nr	Recommendation Ref	Recommendation description	Comment
P2.4.2.1			
P2.4.2.2			