



UNFCCC ITL Administrator

Standard Independent Assessment Report
Assessment Report
Part 2 - Substance

Reference:	IAR/2009/NOR/2/1	State:	Final
Version number:	2.0	Date:	07/07/2010
Prepared by:	Jacinta Ponzi/Environmental Protection Agency		
Reviewed by:	Bryan Eckstein/SRA International, Inc.		
Approved by:	Vitaly Matsarski/UNFCCC		

Circulation list

Name/Role	Organization	Info/Action
Jacinta Ponzi/Assessor	Environmental Protection Agency/Ireland	Info
Bryan Eckstein/Assessor Coordinator	SRA International, Inc.	Info
George Nicholas Nelson/Main Contact RSA	Norwegian Pollution Control Authority (SFT)/Norway	Info

Document change record

Version	Date	Description
0.1	24/06/2010	Initial assessment and draft
1.0	01/07/2010	Review
2.0	07/07/2010	Finalized without changes, party reported no comments

Summary

Ref Nr	Description	Value	Comments
P2.0.1	Party name	NORWAY	
P2.0.2	Reporting period	2009	
P2.0.3	Submission under review	<p>Files submitted:</p> <p>[ANNEX NIR]</p> <p>Annex+NIR+2010+Norway.pdf</p> <p>[NIR 2010]</p> <p>NIR+2010+Norway_FINAL.pdf</p> <p>[V4.0.14 RELEASE NOTES]</p> <p>Annex+X_Version+4.0.14+Release+Notes</p> <p>[V4.0.16 RELEASE NOTES]</p> <p>Annex+X_Version+4.0.16+Release+Notes</p> <p>[V4.1.16 RELEASE NOTES]</p> <p>Annex+X_Version+4.1.16+Release+Notes</p> <p>[V4.1 TEST REPORT]</p> <p>Annex+X_Version+4.1+Test+Report</p> <p>[CITL TEST CASES]</p> <p>Annex+X_CITL+Test+cases</p> <p>[V4.1 COMMISSION CERTIFICATION EMAIL]</p> <p>Annex+X_Certification+email+Commission+v4.1</p> <p>[SEF]</p> <p>SEF_NO_2010_1_11-20-25+29-3-2010</p> <p>[RRREG]</p> <p>Chapter 12.3 of NIR 2010</p>	<p>Files provided by the ITL Administrator:</p> <p>[SEFCR]</p> <p>SEF_NO_2010_1_11-20-25+29-3-2010-CR</p> <p>[RRITL]</p> <p>SIAR_Reports_2009_NO_v1.1</p>
P2.0.4	Previous annual review report reference	<p>FCCC/ARR/2009/NOR (27/01/2010)</p> <p>Norway. Report of the individual review of the annual submission of Norway submitted in 2009.</p>	



Table of Contents

1. Introduction.....	5
1.1. Overall assessment	5
1.2. Summary of findings.....	6
2. Identification of Problems.....	7
3. Identification of Significant Changes.....	11
4. Recommendations.....	15
4.1. Previous Expert Review Team recommendations	15
4.2. Recommendations to address identified problems.....	17

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 fulfill all 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. Norway 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 found that 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. The SIAR assessor reiterated the main findings contained in the SIAR. 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 Norway 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. Norway has reported its commitment period reserve in its 2009 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.

¹ The SEF comparison report is prepared by the ITL administrator and provides information on the outcome of the comparison of data contained in the Party's SEF tables with corresponding records contained in the ITL.

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	22/CMP.1 paragraph 88.(e) 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;	Problem Identified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	No discrepancies occurred for the Party and no problem has been identified with regard to its transaction procedures related to ERUs, CERs, AAUs and RMUs.
P2.2.6	22/CMP.1 paragraph 88.(f) 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;	Problem Identified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	No discrepancies occurred for the Party and no problem has been identified with regard to its transaction procedures related to tCERs and ICERS.
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	

Ref Nr	Requirement	Assessment	Comment	
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? [] Yes [X] No	No discrepancies occurred for the Party	
Repeat for each discrepancy type (include Type Number)	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? [] Yes [] No [X] N/A	No discrepancies occurred for the Party
	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? [] Yes [] No [X] N/A	No discrepancies occurred for the Party
	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? [] Yes [] No [X] N/A	No discrepancies occurred for the Party
	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? [] Yes [] No [X] N/A	No discrepancies occurred for the Party
	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, AAs and RMUs, the replacement of tCERS and ICERs, and the carry-over of ERUs, CERs and AAs	Discrepancy relates to the capacity of the national registry to ensure the accurate accounting? [] Yes [] No [X] N/A	No discrepancies occurred for the Party

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.

Ref Nr	Requirement	Has the Party reported a change?	Problem Identified with the Change?	Comment
P2.3.3	<p>15/CMP.1 paragraph 32.(c)</p> <p>A description of the database structure and capacity of the national registry.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>The Party deployed two new versions of GRETA registry software in 2009 – Version 4.0 and Version 4.1.</p> <p>Version 4.0 did not change the capacity of the registry compared to the version used in 2008 (Version 3.0.84). Version 4.1 incorporated changes that did increase the capacity of the registry & this version includes the changes that were made in Version 4.0.</p> <p>The Party has provided acceptable amended Readiness documentation relevant to this change in:</p> <p>[V4.0.14 RELEASE NOTES]</p> <p>[V4.0.16 RELEASE NOTES]</p> <p>[V4.1.16 RELEASE NOTES]</p> <p>[V4.1 TEST REPORT]</p> <p>The Party clearly notes that this update did not necessitate any changes to the Database & Application Backup Plan or the Disaster Recovery Plan.</p>
P2.3.4	<p>15/CMP.1 paragraph 32.(d)</p> <p>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)</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>No changes occurred for the Party for this item.</p>

Ref Nr	Requirement	Has the Party reported a change?	Problem Identified with the Change?	Comment
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.
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.

Ref Nr	Requirement	Has the Party reported a change?	Problem Identified with the Change?	Comment
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 addition to the test plans and reports provided under P2.3.3, the Party provides acceptable amended Readiness documentation for this reporting items - [CITL TEST CASES] and [V4.1 COMMISSION CERTIFICATION EMAIL].

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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Comment
P2.4.1.1	<p>FCCC/ARR/2009/NOR (27/01/2010) Norway. Report of the individual review of the annual submission of Norway submitted in 2009.</p> <p>Paragraph 109</p> <p>The ERT also noted that Norway did not make publicly available all of the information referred to in paragraphs 45, 46 and 48 of the annex to decision 13/CMP.1. During the review, the Party informed the ERT that it had already made changes to the public reports section of its registry website and that it is waiting for a new release of the Greta registry software, expected for December 2009, which will include improved tools for public reporting. The Party indicated that all of the information relating to the findings in the SIAR would be available to the public by the end of 2009. The ERT recommends that Norway enhance the user interface of its registry by providing the public information referred to above and reports thereon in its next annual submission. Norway should state clearly, in the user interface of its registry, whether this information is confidential or if there are no data to report, including data on Article 6 projects. In addition, Norway should report, in its next annual submission, on any changes made to the list of public information.</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Addressed in NIR 2010, Chapter 12.4 and NIR 2010, Chapter 14 Reporting Item 15/CMP.1 Annex II.E paragraph 32(g): Change of list of publicly available information.
P2.4.1.2	FCCC/ARR/2009/NOR (27/01/2010)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Addressed in NIR 2010, Chapter 12 and NIR, 2010,

	<p>Norway. Report of the individual review of the annual submission of Norway submitted in 2009.</p> <p>Paragraph 112</p> <p>The ERT noted that the recommendation made in previous reviews that Norway provide more complete and detailed information on its national registry in its future annual submissions has not been followed. During previous stages of the review process, Norway explained that this recommendation had been addressed by a combination of the original SIAR, the subsequent publication of test results associated with the connection to the ITL, and also the launch of a website to provide more detailed information. Nevertheless, the ERT reiterates the recommendation made in previous reviews that Norway provide more detailed information on its national registry in its future NIRs.</p>		Chapter 14.
P2.4.1.3	<p>FCCC/ARR/2009/NOR (27/01/2010)</p> <p>Norway. Report of the individual review of the annual submission of Norway submitted in 2009.</p> <p>Paragraph 113</p> <p>In its 2009 submission, Norway has not reported its commitment period reserve. During previous stages of the review process, the Party reported that its commitment period reserve has not changed since the initial report review (225,519,117 t CO₂ eq), as it is based on the assigned amount and not on the most recently reviewed inventory. The ERT agrees with this figure. The ERT recommends that Norway include information on its commitment period reserve in its</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	Addressed in NIR 2010, Chapter 12.5

	next annual submission.		
P2.4.1.4	<p>FCCC/ARR/2009/NOR (27/01/2010) Norway. Report of the individual review of the annual submission of Norway submitted in 2009.</p> <p>Paragraph 115</p> <p>Norway reported no significant change in its national registry since the previous annual submission. The ERT concluded that the Party's 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 CMP decisions. As the Party did not include, in its NIR, the information on whether there had been changes to the national registry, the ERT recommends that Norway, in its next NIR, report any change(s) in its national registry in accordance with section I.G of the annex to decision 15/CMP.1.</p>	[X] Yes [] No	Addressed in NIR 2010, Chapter 14,

4.2. 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
--------	--------------------	----------------------------	---------

No recommendations.