



UNFCCC ITL Administrator

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

Reference:	IAR/2010/SWE/2/1	State:	FINAL
Version number:	2.0	Date:	01/06/2011
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Document change record

Version	Date	Description
0.1	18/05/2011	Initial draft
1.0	25/05/2011	Review of initial draft
2.0	01/06/2011	Party reported no comments on draft, report finalized as drafted without additional changes.

Summary

Ref Nr	Description	Value	Comments
P1.0.1	Party name	SWEDEN	
P1.0.2	Reporting period	01/01 to 31/12 2010	
P1.0.3	Submission under review	<p>Files submitted:</p> <p>Submission date: 2011.03.30</p> <p>- [COVER LETTER] NIR Cover Letter sub 2011 UNFCCC utkast.doc</p> <p>- [NIR 1] NIR submission 2011_Report_SE.pdf</p> <p>- [NIR 2] NIR submission 2011 Annex_SE.pdf</p> <p>- [ETR] ETR v4.3 Release Notes.pdf</p> <p>- [REPORTS 1] Appendix 1 Thermal values and Emission factors energy UNFCCC.xls</p> <p>- [REPORTS 2] V4.3 Test Report.pdf</p> <p>- [REPORTS 3] SIAR Consultation Form on SIAR Assessment Draft Part 1_SWE.doc</p>	<p>Information from the ITL Administrator:</p> <p>- [SIAR R2-R5] SIAR_Reports_2010_SE_v1.xls</p> <p>- [RRITL] SIAR Reports 2010-SE v 1.0.xlsx</p> <p>- [SEF Comp Report] SEF_SE_2011_1_13-14-58+25-2- 2011-CR.xls</p> <p>- [REPORTS 4] SIAR1 report (IAR/2010/SWE/2/1): SWE_SIAR_Part1_Assessment_ Report_v2.0.doc</p>
P1.0.4	Previous annual review report reference	FCCC/ARR/2009/SWE 09/04/2010	

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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 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 and recommendations 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 was found to be consistent with information provided to the secretariat by the international transaction log (ITL). 5. The Party has reported on corrective action undertaken on transactions that were recorded during 2008 in the database as rejected, whereas they should be recorded as terminated, which was identified as necessary by the previous ERT. 6. Sweden reported a change in its national registry compared with the previous annual submission. 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. 7. Party has reported its commitment period reserve in its 2009 annual submission. 8. 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.

Ref Nr	Requirement	Assessment	Comment
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? [] Yes [X] No	Party submitted a SEF which is consistent with the ITL records.
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? [] Yes [X] No	Except for response codes 4003 and 4010, which resulted from a system problem not directly related to the registry of the Party, 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? [] Yes [X] 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? [] Yes [X] 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	

Ref Nr		Requirement	Assessment	Comment
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? [] Yes [X] No	Response codes 4003 and 4010 occurred during the reporting year and were reported but are not considered discrepancies. The problem causing response codes 4003 and 4010 was in the ITL registry system design, not a problem in the Party's registry. The ITL registry system design has been improved so the issue should not be encountered in the future.
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? [X] 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.

Ref Nr	Requirement	Assessment	Comment
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 type="checkbox"/> No <input checked="" type="checkbox"/> 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 checked="" 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 Submission 2011 Annex_SE/Annex 6:3/ Page 117>, the Party states that through an update of the Registry software (GRETA), changes have been made to the database and capacity of its national registry. (upgrade to Microsoft SQL Server 2005).

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 checked="" type="checkbox"/> No	No changes occurred for the Party for this item.
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 checked="" 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 checked="" 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 checked="" 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 <V4.3 Test report>, the Party reports on the testing activities carried out in the Greta V4.3 project. All system, regression and user acceptance test activities are complete and there were no outstanding issues to prevent general release.

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? [X] Yes [] No	Comment
P2.4.1.1	FCCC/ARR/2009/SWE page 23: The ERT noted from the SIAR that Sweden has not made the information referred to in paragraphs 45 to 47 of the annex to decision 13/CMP.1 publicly available, and that the Party did not report several transactions that were reported by the ITL because the transactions were recorded in Sweden's database as rejected, whereas they should have been recorded as terminated. The ERT reiterates the recommendation in the SIAR that Sweden enhance the availability of the required public information mentioned above and ensure that rejected transactions are terminated, and should report, in its next annual submission, on these two identified issues.	[X] Yes [] No	Response: <NIR Submission 2011 Annex_SE/Annex 6:3/ Page 119> Sweden will make all required public information available on our public website or clearly state which information is considered confidential on its public website and cite reference to the regulation that renders it confidential. Response regarding rejected transactions: <NIR Submission 2011 Annex_SE/Annex 6:3/ Page 120>
P2.4.1.2	ERT recommendation: Sweden does not provide clear information on its public website that no JI project information is available since it does not participate in any JI projects. As Sweden signaled as part of the SIAR process, Sweden is encouraged to include a statement on its public website by the time of its next NIR submission to the effect that Sweden does not participate in JI projects rather than a display of an empty list.	[X] Yes [] No	Party responded on this recommendation, <NIR Submission 2011 Annex_SE/Annex 6:3/ Page 119-120>
P2.4.1.3	ERT encouragement: Sweden is encouraged to report in its next annual submission the results of its investigation of the	[X] Yes [] No	Party responded on this recommendation, <NIR Submission 2011 Annex_SE/Annex 6:3/ Page 120>. Sweden reported the correct final transaction states in the

	transactions that were recorded during 2008 in Sweden's database as rejected, whereas they should be recorded as terminated.		report R2 submitted this year (2011).
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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
P2.4.2.1			None noted