



UNFCCC ITL Administrator

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

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## Summary

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P2.0.1	Party name	Romania	
P2.0.2	Reporting period	2012	
P2.0.3	Submission under review	<p>Files submitted:</p> <ul style="list-style-type: none"> <li>- [SEF] <u>SEF ROU 2013 121 11-32-48 24-4-2013</u></li> <li>- [NIR] <u>NIR-NGHGI ROU 2013 V. 1.4 Annex 6 Additional information ROU</u> <u>Annex 6.1.3 Romanian inventory improvement plan-2012-2013-May 2012</u></li> <li>- <u>Annex 6.2.2 R2 R3 R4 R5 Reports 2013-RO RREG</u></li> <li>- [RESPONSE]</li> <li>Consultation form v5.0 (Assessment Report Part 2).doc</li> <li>SIAR_Reports_2012_ROU_RITL_v1 R2.xls</li> </ul>	<p>Information from the ITL Administrator:</p> <ul style="list-style-type: none"> <li>- [SEFCR] <u>SEF ROU 2013 121 11-32-48 24-4-2013 CR</u></li> <li>-[RRITL] <u>SIAR_Reports_2012_ROU_RITL_v1</u></li> </ul>
P2.0.4	Previous annual review report reference	FCCC/ARR/2012/ROU (12/04/2013)	

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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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No 1.3.7, 1.3.10
P2.1.2	Problem found with Party's national registry?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No P2.2.10.4
P2.1.3	Any unresolved problem with Party's national registry?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
P2.1.4	Problems identified with the significant changes to the Party's national registry?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No P2.3.3, P2.3.10
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No P2.4.1.1 – P2.4.1.4

## 1.2. Summary of findings

Ref Nr	Summary of findings
P2.2.1	<ol style="list-style-type: none"><li data-bbox="360 363 2051 491">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, security, data integrity and recovery measures.</li><li data-bbox="360 531 2051 627">2. Romania 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 including in the SIAR on the SEF and the SEF comparison report. The SIAR was forwarded to the ERT prior to the review, pursuant to decision 16/CP.10</li><li data-bbox="360 667 2051 730">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.</li><li data-bbox="360 770 2051 866">4. Information reported by Party on records of any discrepancies and on any records of non-replacement was found to be inconsistent with information provided to the secretariat by the International Transaction Log (ITL). Hence, the SIAR identified the discrepant transaction DES code 5255 that will need corrective action from the Party in its national registry.</li><li data-bbox="360 906 2051 1002">5. The Party has not reported on corrective action undertaken on DES code 5101 that was identified as necessary by the previous ERT in the annual submission information, nor any changes to the national registry to prevent a discrepancy from reoccurring.</li><li data-bbox="360 1042 2051 1201">6. Romania reported changes in its national registry compared with the previous annual submission. However, the SIAR has identified changes in the national registry not fully reported by the Party, namely change of test results and change of database structure. The SIAR assessor concluded that, taking into account the confirmed changes in the national registry, Romania'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.</li><li data-bbox="360 1241 2051 1305">7. The national registry has not fulfilled the requirements regarding the public availability of information in accordance with section II.E of the annex to decisions 13/CMP.1.</li><li data-bbox="360 1345 1503 1372">8. Romania has reported its commitment period reserve in its 2012 annual submission.</li></ol>

Ref Nr	Summary of findings
	<p data-bbox="315 260 562 288"><u>Recommendations</u></p> <p data-bbox="360 328 2038 491">9. The assessor notes that Romania is relying upon public information per 13/CMP.1 Annex paragraph 44, with specific reference to paragraph [45][46][47][48], which is not under the party's direct control. The assessor recommends that Romania include public information directly on the website of the national registry or via a link from the registry website to another website controlled by the Party. The assessor recommends that the publicly available information be up to date (i.e. updated as close to real time as possible, but at least updated on a monthly basis).</p> <p data-bbox="360 531 2033 694">10. The assessor notes that Romania is not fully reporting changes in the national registry related to change of test results. Compliance with the DES requirements is essential to maintain confidence that 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. Therefore, the assessor strongly recommends that the Party test each release thoroughly against the DES as part of each major release cycle and provide the complete results in its annual NIR.</p> <p data-bbox="360 734 2016 831">11. The assessor notes that Romania is not fully reporting changes in the national registry related to the description of database structure. The assessor recommends that following major changes, the party provide a data model which contains all DES required entities complete with descriptions in its annual NIR.</p>

## 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	In the SIAR [RRITL] report R-2, it shows that Romania has encountered a discrepancy occurred and problem has been identified with regard to its transaction procedures related to ERUs, CERs, AAUs and RMUs. The specific discrepancy encountered relates to DES response code 5255 regarding the Party's eligibility to retire CERs, tCERs, and ICERs.
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	In the SIAR [RRITL] report R-2, it shows that discrepancies occurred however and this was not related to tCERs and ICERs.



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	In the SIAR [RRITL] report R-2, it shows that Romania has DES response code 5255 occurred as discrepant transaction and problem has been identified.

Ref Nr	Requirement	Assessment	Comment	
Repeat for each discrepancy type (DES number 5255)	P2.2.10.1 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	In the SIAR [RRITL] report R-2, it shows that Romania has DES response code 5255 occurred as discrepant transaction and problem has been identified. However, in the annex 6.2.2 report R-2 submitted by the Party, there was no discrepant transaction identified for the reporting year.
	P2.2.10.2 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	No. However, please note that in the previous 2011 SIAR part 2, DES response code discrepancy was 5101 was identified which relates to eligibility for transfers (while 5255 relates to eligibility for retirement)
	P2.2.10.3 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	In the SIAR [RRITL] report R-2, it shows that the transaction was terminated.
	P2.2.10.4 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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	In the [RESPONSE] report R-2, it shows that Romania has DES response code 5255 occurred as discrepant transaction and problem has been identified but no information is provided on the correction.

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 checked="" type="checkbox"/> No <input type="checkbox"/> N/A	In the SIAR [RRITL] report R-2, it shows that Romania has DES response code 5255 occurred as discrepant transaction and problem has been identified. However, in the annex 6.2.2 report R-2 submitted by the Party, there was no discrepant transaction identified for the reporting year.

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? <b>[ ] Yes [ X ] No</b>	No non-replacements occurred for the Party.	
Repeat for each non-replacement type (incl type number)	P2.2.11.1 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? <b>[ ] Yes [ ] No [ X ] N/A</b>	No non-replacements occurred for the Party.
	P2.2.11.2 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? <b>[ ] Yes [ ] No [ X ] N/A</b>	No non-replacements occurred for the Party.
	P2.2.11.3 3	22/CMP.1 paragraph 88.(k)(iii) Assess whether the replacement was subsequently undertaken;	Was the replacement subsequently undertaken? <b>[ ] Yes [ ] No [ X ] N/A</b>	No non-replacements occurred for the Party.
	P2.2.11.4 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? <b>[ ] Yes [ ] No [ X ] N/A</b>	No non-replacements occurred for the Party.

Ref Nr	Requirement	Assessment	Comment
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? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	The EU Member States who are also Parties to the Kyoto Protocol (25) plus Iceland, Liechtenstein and Norway have decided to operate their registries in a consolidated manner operated by the European Commission. The Consolidated System of EU registries was certified on 1 June 2012 and went to production on 20 June 2012.

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>A complete description of the consolidated registry was provided in the common readiness documentation and specific readiness documentation for the national registry of EU and all consolidating national registries. The documentation is referred to in this [RESPONSE]. The documentation referred to has not been provide by the Party and does not identity the database structure of the latest version of the consolidated registry nor does describe any intended changes to the database structure.</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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>During certification, the consolidated registry was notably subject to connectivity testing, connectivity reliability testing, distinctness testing and interoperability testing to demonstrate capacity and conformance to the DES. All tests were executed successfully and lead to successful certification on 1 June 2012.</p>

Ref Nr	Requirement	Has the Party reported a change?	Problem Identified with the Change?	Comment
P2.3.5	<p>15/CMP.1 paragraph 32.(e)</p> <p>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</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>A description of the procedures employed in the Consolidated System of EU Registries to minimize discrepancies is provided in discrepancies procedures, as reflected in the updated manual intervention document and the operational plan referred to by the Party.</p>
P2.3.6	<p>15/CMP.1 paragraph 32.(f)</p> <p>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</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>An overview of the security measures employed in the Consolidated System of EU Registries is provided in security plan referred to by the Party.</p>
P2.3.7	<p>15/CMP.1 paragraph 32.(g)</p> <p>A list of the information publicly accessible by means of the user interface to the national registry</p>	<p>Not a significant change, left here for completeness</p>		
P2.3.8	<p>15/CMP.1 paragraph 32.(h)</p> <p>The Internet address of the interface to its national registry</p>	<p>Not a significant change, left here for completeness</p>		



Ref Nr	Requirement	Has the Party reported a change?	Problem Identified with the Change?	Comment
P2.3.9	<p>15/CMP.1 paragraph 32.(i)</p> <p>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</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>An overview of the security measures employed in the Consolidated System of EU Registries is provided in disaster recovery plan [provided/ referred to] by the party.</p>
P2.3.10	<p>15/CMP.1 paragraph 32.(j)</p> <p>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.</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>The assessor notes that a new version (V4) of the consolidated system of European Registries was released in October 2012. The party did not submit test results specifically related to this new release, as well as any changes to the relevant documentation mentioned in the paragraphs above.</p>

#### 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/2011/ROU para 195 states that the ERT recommends Romania to address the transparency of the public available information in the next inventory report.	[ X ] Yes [ ] No	In NIR page 968, it states that the Party has updated the reports posted on the public website with complete and up-to-date data and removed duplicate or outdated links.

##### 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	P2.3.3, P2.3.10	The assessor notes that Romania is not fully reporting changes in the national registry related to change of test results and change of database structure. The assessor recommends that Romania provides this information related to the most current implemented version of the consolidated registry software.	The assessor notes that Romania referred to this information in [RESPONSE]. Assessor notes that the information has not been received.
P2.4.2.2	2.3.3	The assessor recommends that following major changes, the party provide a data model which contains all DES required entities complete with descriptions in its annual NIR.	

P2.4.2.3	2.3.10	The assessor strongly recommends that the Party test each release thoroughly against the DES as part of each major release cycle and provide the results of such tests in its annual NIR.	
P2.4.2.4	P1.4.1.4, P1.4.1.5, P1.4.3.11, P1.4.3.12	The assessor recommends that Romania include public information directly on the website of the national registry or via a link from the registry website to another website controlled by the Party.	The assessor recommends that the publicly available information be up to date (i.e. updated as close to real time as possible, but at least updated on a monthly basis).