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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?	☑ Yes □ No
P2.1.2	Problem found with Party's national registry?	□ Yes Mo
P2.1.3	Any unresolved problem with Party's national registry?	□ Yes □ No ☞ NA
P2.1.4	Problems identified with the significant changes to the Party's national registry?	□ Yes ☑ No
P2.1.5	National registry related recommendations from previous annual review were fully addressed?	✓ Yes □ No □ NA
P2.1.6	Is there any recommendation that needs to be addressed by the Party?	□ Yes ☑ No

1.2. Summary of findings

Ref Nr		Summary of findings
P2.2.1	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 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.	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. 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.	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.
	5.	Party has reported its commitment period reserve in its 2017 annual submission.
	6.	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.

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)	Problem Identified?	Party submitted a SEF which is consistent with the ITL
	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;	□ Yes ☑ No	records.
P2.2.3	22/CMP.1 paragraph 88.(c)	Problem Identified?	Party submitted a SEF which is consistent with the ITL
	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;	□ Yes ☑ No	records.
P2.2.4	22/CMP.1 paragraph 88.(d) The information relating to	Problem Identified?	Party submitted a SEF which is consistent with the ITL
	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;	□ Yes ☑ No	records.

Ref Nr	Requirement	Assessment	Comment
P2.2.5	22/CMP.1 paragraph 88.(e)	Problem Identified?	No discrepancies occurred for the Party and no
	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;	□ Yes ☑ 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)	Problem Identified?	No discrepancies occurred for the Party and no
	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;	□ Yes ☑ 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)	Problem Identified?	Party submitted a SEF which is consistent with the ITL
	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;	□ Yes ▼ No	records and with information submitted in the year prior to the reported year.
P2.2.8	22/CMP.1 paragraph 88.(h)	Only assessed by the Expert Review Team.	
	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;	Keview Team. Kept here for completeness	
P2.2.9	22/CMP.1 paragraph 88.(i)	Only assessed by the Expert	
	The assigned amount is calculated to avoid double accounting in accordance with paragraph 9 of the annex to decision 16/CMP.1;	Review Team. Kept here for completeness	
P2.2.10	22/CMP.1 paragraph 88.(j)	Has the discrepancy been identified by the transaction log?	No discrepancies occurred for the Party
	A discrepancy has been identified by the transaction log relating to transactions initiated by the Party,	☐ Yes ► No	
	and if so the expert review team shall:	169 M MO	

Ref	Nr	Requirement	Assessment	Comment
	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 ☑ NA	No discrepancies occurred for the Party
Type Number)	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 ☑ NA	No discrepancies occurred for the Party
type (include	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 ☑ NA	No discrepancies occurred for the Party
each discrepancy type (include	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 ☑ NA	No discrepancies occurred for the Party
Repeat for each	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? Tyes No NA	No discrepancies occurred for the Party

	Ref Nr	Requirement	Assessment	Comment
P2.2	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? Tyes Vo	No non-replacements occurred for the Party.
(incl Type	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 ☑ NA	No non-replacements occurred for the Party.
non-replacement type (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 ☑ NA	No non-replacements occurred for the Party.
each non-re	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 ☑ NA	No non-replacements occurred for the Party.
Repeat for	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 NA	No non-replacements occurred for the Party.

Ref Nr	Requirement	Assessment	Comment
P2.2.11.	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 NA	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	Not a significant change, left here for completeness	with the Onlinge:	Comment
P2.3.2	the national registry 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	☐ Yes ☑ No	□ Yes □ 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.	✓ Yes □ No	□ Yes ☑ No	Minor changes occurred for the Party for this item. New tables were added to the CSEUR database for the implementation of the CP2 SEF functionality. Versions of the CSEUR released after 6.7.3 (the production version at the time of the last Chapter 14 submission) introduced other minor changes in the structure of the database. These changes were limited and only affected EU ETS functionality. No change was required to the database and application backup plan or to the disaster recovery plan. The database model, including the new tables, is provided in Annex A. No change to the capacity of the national registry occurred during the reported period.

		Has the Party	Problem Identified	
Ref Nr	Requirement	reported a change?	with the Change?	Comment
P2.3.4	15/CMP.1 paragraph 32.(d)	<u> </u>	J	No changes occurred for the Party for this item.
	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	□ Yes ☑ No	□ Yes □ No	
	registry and the transaction log			
	(decision 19/CP.7, paragraph 1)			
P2.3.5	15/CMP.1 paragraph 32.(e)			No changes occurred for the Party for this item.
	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	□ Yes ☑ No	□ Yes □ No	
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	✓ Yes □ No	□ Yes ☑ No	The mandatory use of hard tokens for authentication and signature was introduced for registry administrators.
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		

		Has the Party	Problem Identified	
Ref Nr	Requirement	reported a change?	with the Change?	Comment
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	□ Yes ☑ No	□ Yes □ 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.	✓ Yes □ No	□ Yes ☑ No	Changes introduced since version 6.7.3 of the national registry are listed in Annex B. Both regression testing and tests on the new functionality were successfully carried out prior to release of the version to Production. The site acceptance test was carried out by quality assurance consultants on behalf of and assisted by the European Commission; the report is attached as Annex B. Annex H testing was carried out in January 2017 and the test report is submitted as Annex H.

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	Use the correct calculation process for the commitment period reserve and provide details in the NIR.	✓ Yes □ No □ NA	The party has covered the recommendation in their National Inventory Report [NIR].
P2.4.1.2		☐ Yes ☐ No ☑ NA	
P2.4.1.3		☐ Yes ☐ No ☑ NA	
P2.4.1.4		☐ Yes ☐ No ☑ NA	
P2.4.1.5		☐ Yes ☐ No ☑ NA	

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			
P2.4.2.2			
P2.4.2.3			
P2.4.2.x			