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### UNFCCC ITL Administrator

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

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# Summary

Ref Nr	Description	Value	Comments
P2.0.1	Party name	Croatia	
P2.0.2	Reporting period	2009	
P2.0.3	Submission under review	Files provided by the Party: Files submitted: - [NIR-HR] Croatian NIR_2010.pdf - [NIR-HR-RESUB] Croatian NIR_2010.pdf - [RESPONSE1] SIAR Consultation Form on Draft Part 1 HRV.pdf - [RESPONSE2] HRV SIAR Part 2 Assessment Report v1.0 BR.pdf	Information from the ITL Administrator: - [RRITL] SIAR_Reports_2009_HR_v1. 1
P2.0.4	Previous annual review report reference	FCCC/ARR/2009/HRV (01/03/2010)	

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

## 1.2. Summary of findings

Ref Nr	Summary of findings
P2.2.1	<ol> <li>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> </ol>
	<ol> <li>Croatia has not reported information on its accounting of Kyoto Protocol units in SEF tables. Croatia has not transferred or acquired Kyoto Protocol units in the reporting period, and the Party is therefore not required to report information on its accounting of Kyoto Protocol units in the SEF tables as stated in paragraph 3 of Annex 1 to decision 15/CMP.1. The SIAR was forwarded to the ERT prior to the review, pursuant to decision 16/CP.10.</li> </ol>
	3. 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. However, the SIAR identified the following problem: Croatia has provided descriptions on how its national registry continues to perform the functionalities and how it adheres to the technical standards for data exchange between registry systems, but a clear statement on whether <i>changes</i> have occurred in the reporting period is not reported. The SIAR assessor recommends that Croatia address this issue and report any <i>changes</i> during the relevant reporting period in its national registry in its next annual submission.
	4. Croatia has reported its commitment period reserve in its 2009 annual submission. Party has explained that it has a pending issue on the calculation of the assigned amount in accordance with Article 3, paragraph 7 and 8, of the Kyoto Protocol.
	<ol> <li>Information on the national registry is not currently publicly available. Croatia stated that this information would be made publicly available once the pending issue on calculation of the assigned amount of Croatia, with reference to document FCCC/KP/CMP/2010/2 (19 February 2010), has been resolved.</li> </ol>
	Recommendations
	6. The SIAR assessor recommends that Croatia provide through its national registry the public information referred to in paragraphs 45 to 48 of the annex to decision 13/CMP.1, and report, in its next annual submission, on any changes to that public information.
	7. The SIAR assessor reiterates the recommendation of the previous ERT in that Croatia specifically address the recommendation contained in paragraph 85 of the report FCCC/ARR/2009/HRV by providing more complete and detailed information on the NTP procedure and a

detailed plan for the disaster recovery plan.

8. The SIAR assessor reiterates the recommendation of the previous ERT in that the Party specifically address the recommendation contained in Paragraph 88 of the report FCCC/ARR/2009/HRV and report on any changes in its national registry in accordance with section I G of the annex to decision 15/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) 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? [ ]Yes [x]No	The Party is not required to submit a SEF as they did not transfer or acquire any units in the reported year 2009.
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? [ ] Yes [ x ] No	The Party is not required to submit a SEF as they did not transfer or acquire any units in the reported year 2009.

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	The Party is not required to submit a SEF as they did not transfer or acquire any units in the reported year 2009.
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	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	The Party is not required to submit a SEF as they did not transfer or acquire any units in the reported year 2009.
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	No discrepancies occurred for the Party
e (include	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
discrepancy type	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
Repeat for each disc Tvpe N	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

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? [ ] 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.
er	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.
Repeat for each non-replacement type (incl Type number	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.
Repeat for each nor	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.

		Has the Party reported a	Problem Identified with	
Ref Nr	Requirement	change?	the Change?	Comment
P2.3.1	15/CMP.1 paragraph 32.(a)	Not a significant		
	The name and contact information of the registry administrator designated by the Party to maintain the national registry	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	[]Yes [x]No	[]Yes []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	15/CMP.1 paragraph 32.(c) A description of the database structure and capacity of the national	[]Yes [x]No		The Party has provided detailed technical descriptions of the database, its capacity and the servers in use in the national registry.
	registry.			The Party explains in [RESPONSE2] that the technical descriptions provided in [NIR-HR-RESUB] are information on changes from the Croatian Independant Assessment Report (IAR) of 30 <sup>th</sup> of April 2009. The Party informs that the IAR provides recommendations regarding limitations in the national registry which were rectified prior to the start of registry live operations on 11 <sup>th</sup> of December 2009 and all listed recommendations in the IAR were fulfilled.
				However, the Party did not report on any changes in the period of December 12-31, 2009. The SIAR assessor assumes no changes occurred in the database structure or capacity of the national registry during that period.
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)	[]Yes [x]No	[]Yes []No	Party has explained that the national registry has been developed for compliance with DES and also for operation under EU ETS. The Party also provides information of different functionalities the registry can performs and that it complies with the electronic messaging requirements given in DES version 1.1.2. The Party informs in [RESPONSE2] that no change of conformance to technical standards has occurred in the reporting period.

		Has the Party	Problem	
Ref Nr	Requirement	reported a change?	Identified with the Change?	Comment
<b>Ref Nr</b> P2.3.5	Requirement15/CMP.1 paragraph 32.(e)A description of the proceduresemployed in the national registry tominimize discrepancies in theissuance, transfer, acquisition,cancellation and retirement of ERUs,CERs, tCERs, ICERs, AAUs and/orRMUs, and replacement of tCERsand ICERs, and of the steps taken toterminate transactions where adiscrepancy is notified and to correct	change?	the Change?	Comment           Party has described different discrepancies procedures employed in the national registry.           The Party informs in [RESPONSE2] that no change in the discrepancies procedures has occurred in the reporting period.
P2.3.6	discrepancy is notified and to correct problems in the event of a failure to terminate the transactions 15/CMP.1 paragraph 32.(f) An overview of security measures employed in the national registry to prevent unauthorized manipulations	[]Yes [x]No	[]Yes []No	Party has described security measures employed in the national registry to prevent unauthorized manipulations and to prevent operator error. The Party informs in [RESPONSE2] that no change in the security
	and to prevent operator error and of how these measures are kept up to date			measures has been employed in the reporting period.
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	[]Yes [x]No	[]Yes []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.		[]Yes []No	Party explains that the registry was fully tested in February – December 2009 by the Croatian registry administrator and that the registry software is approved by the UNFCCC and EU. The Party informs in [RESPONSE2] that no changes to the test procedures or results have occurred in the reporting period after fulfilling all limitations and starting live operations with the ITL in "reconciliation only mode" on 11 December 2009. Changes before 11 December 2009 are considered part of the IAR process and outside the scope of this SIAR assessment report.

## 4. Recommendations

### 4.1. Previous Expert Review Team recommendations

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

<b>Ref Nr</b> P2.4.1.1	Recommendation from previous Annual Review report (report FCCC/ARR/2009/HRV) Paragraph 85:	Has Party acted on recommendation? [ ] Yes [ x ] No	<b>Comment</b> Party has provided parts of the requested information in
1 2.4.1.1	"The Party indicated that it would report, in its next annual submission, on additional information concerning practical user guidance, the initialization process, the detailed plan for the disaster recovery plan exercise, NTP procedure, change and testing of the national registry, incident recording, installation of a new web server and firewall in the backup system as well as the other improvements. The ERT recommends that Croatia provide this information in its next inventory submission".	[]][63 [X][40	<ul> <li>Internation in [RESPONSE2] that information in [NIR-HR-RESUB].</li> <li>The Party informs in [RESPONSE2] that information not submitted in [NIR-HR-RESUB] is confidential information which was submitted to the ITL Service Desk by e-mail before live connection to the ITL. The Party provides reference to the file names containing the requested information.</li> <li>However, the recommendation specifically states that this information should be provided in Croatia's next annual submission, and the information is not included in [NIR-HR-RESUB]. Further, the ITL Service Desk does not play a part of the SIAR process.</li> </ul>
P2.4.1.2	Paragraph 86: "The ERT noted that this information has not yet been completed due to the pending decision on the calculation of the commitment period reserve in accordance with paragraph 6 of the annex to decision 11/CMP.1 and of the assigned amount of Croatia in accordance with Article 3, paragraphs 7 and 8, of the Kyoto Protocol and recommends that Croatia include information on its commitment period reserve in its next annual submission"	[x]Yes []No	Party has provided the requested information in the submitted report.
P2.4.1.3	Paragraph 88: "The ERT recommends that the Party report in its next	[]Yes [x]No	The Party did not provide the recommended information in [NIR-HR-RESUB].

annual submission any changes in its national registry in accordance with section I G of the annex to decision 15/CMP.1."	The Party explained in [RESPONSE2] that the national registry was connected to the ITL starting on 11 December 2009. Initialization of the registry started on 1 January 2009 and finished on 15 April 2009. "During that period improvements were made according to recommendations in order to fulfill requirements of the ITL so that the Croatian registry could receive "green" light for the connection to the ITL. In regard to changes in the process of initialization, Croatia did not register changes in the reporting period, so they are not reported in form of a statement that changes has not occurred. On the contrary they are reported in a form that they describe changes from IAR <reg_iar_hr_2009_1, 1.0="" version=""> issued 30 April 2009."</reg_iar_hr_2009_1,>
	information on any changes in the national registry should be provided in its next annual submission, and this information is not reported in [NIR-HR-RESUB]. Additionally, the Party became operational with the ITL on 11 December 2009 and the Party is required to report on any changes since its national registry began live operation with the ITL.
	The Party should make a clear statement on any changes or an explicit statement that no changes occurred in its national registry in its next annual submission. For any changes that did occur in the reporting period, a clear statement should be given together with a description of the change and corresponding updates to readiness documentation.

#### 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	P2.4.1.1	The external assessor reiterates the recommendation of the previous ERT in that Croatia specifically address the recommendation contained in Paragraph 85 of the report FCCC/ARR/2009/HRV by providing more complete and detailed information on the NTP procedure and a detailed plan for the disaster recovery plan. It is recommended that the Party submits these complementary documents or demonstrates how the information has been made available, as part of the SIAR process, by the next annual submission.	<ul> <li>Party has provided parts of the requested information in [NIR-HR-RESUB].</li> <li>The Party informs in [RESPONSE2] that information not submitted in [NIR-HR-RESUB] is confidential information which was submitted to the ITL Service Desk by e-mail before live connection to the ITL. The Party provides reference to the file names containing the requested information.</li> <li>However, the recommendation specifically states that this information should be provided in Croatia's next annual submission, and the information is not included in [NIR-HR-RESUB] and no statement on the recommendation was included as part of the annual submission. The ITL Service Desk does not play a part of the SIAR process.</li> </ul>
P2.4.2.2	P2.4.1.3	The external assessor reiterates the recommendation of the previous ERT in that the Party specifically address the recommendation contained in Paragraph 88 of the report FCCC/ARR/2009/HRV and report on any changes in its national registry in accordance with section I G of the annex to decision 15/CMP.1.	The content of this recommendation is related to the recommendation with Ref Nr P2.4.2.1. The Party explained in [RESPONSE2] that the national registry was connected to the ITL starting on 11 December 2009. Initialization of the registry started on 1 January 2009 and finished on 15 April 2009. "During that period improvements were made according to recommendations in order to fulfill requirements of the ITL so that the Croatian registry could receive "green" light for the connection to the ITL. In regard to changes in the process of initialization, Croatia did not register changes in the reporting period, so they are not reported in form of a statement that changes has not occurred. On the contrary they are reported in a form that they describe changes from IAR <reg_iar_hr_2009_1, 1.0="" version=""> issued 30 April 2009."</reg_iar_hr_2009_1,>

the case for [NIR-HR-RESUB]. Additionally, the Party became operational with the ITL on 11 December 2009 and the Party is required to report on any changes since its national registry began live operation with the ITL.
The Party should make a clear statement on any changes or an explicit statement that no changes occurred in its national registry in its next annual submission. For any changes that did occur in the reporting period, a clear statement should be given together with a description of the change and corresponding updates to readiness documentation.