



**RECS – Renewable Energy Certificate System  
Domain Protocol**

**for  
Portugal**

**Prepared by REN- Rede Eléctrica Nacional, S.A. with support from RECS Portuguese team**

**Version 2.0**

## Contents

<b>A</b>	<b>INTRODUCTION AND PURPOSE.....</b>	<b>3</b>
A1	Introduction.....	3
A2	Purpose.....	3
<b>B</b>	<b>SCOPE AND RESPONSIBILITY .....</b>	<b>4</b>
B1	This Domain Protocol.....	4
B2	Responsibility .....	4
<b>C</b>	<b>Definitions .....</b>	<b>5</b>
C1	This document.....	5
<b>D</b>	<b>Renewable Energy Certificate System (RECS).....</b>	<b>6</b>
D1	Scheme Definition .....	6
D2	Supplementary Definitions for RECS.....	6
D3	Qualifying Criteria.....	6
D4	Support Schemes.....	6
D5	Certificate Face Values .....	7
D6	Issuing of RECS Certificates.....	7
<b>E</b>	<b>PARTICIPATION AND REGISTRATION.....</b>	<b>8</b>
E1	Scheme Participation .....	8
E2	Registration of a Production Device.....	8
E3	Changes in Registered Details.....	10
E4	Withdrawing from the Scheme - Closing an Account .....	11
E5	Withdrawing from the Scheme - Deregistering a Production Device.....	11
<b>F</b>	<b>PRODUCTION DATA.....</b>	<b>12</b>
F1	Metering .....	12
F2	Data Provision .....	12
<b>G</b>	<b>PROCESSING OF CERTIFICATES.....</b>	<b>14</b>
G1	Issuing for Transfer .....	14
G2	Transfer.....	14
G3	Redemption.....	16
G4	Splitting.....	17
G5	Withdrawals.....	17
G6	Errors.....	17
<b>H</b>	<b>MONITORING AND REPORTING .....</b>	<b>19</b>
H1	Monitoring.....	19
H2	Activity Reporting .....	19
H3	Exception Reporting.....	20
<b>I</b>	<b>AGENTS AND MEASUREMENT BODIES.....</b>	<b>21</b>

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I1	Production Auditor.....	21
I2	Production Registrar .....	21
I3	Measurement Body .....	21
<b>J</b>	<b>MODIFICATIONS .....</b>	<b>22</b>
J1	Modifications to this Domain Protocol.....	22
<b>K</b>	<b>ASSOCIATION OF ISSUING BODIES .....</b>	<b>23</b>
K1	Membership.....	23
<b>L</b>	<b>TARIFFS.....</b>	<b>24</b>
L1	Participation Fees .....	24
	<b>Annex 1 – Contacts List.....</b>	<b>25</b>
	<b>Annex 2 – Registration Form.....</b>	<b>27</b>
	<b>Annex 3 – Energy Source Types and Technology Types.....</b>	<b>30</b>
	<b>Annex 4 – Production/Consumption Declaration.....</b>	<b>31</b>
	<b>Annex 5 – Account Application/Amendment Form.....</b>	<b>34</b>
	<b>Annex 6 – Redemption Statement .....</b>	<b>35</b>

## A INTRODUCTION AND PURPOSE

### A1 Introduction

A1.1 Certification of the quality and method of energy output provides an efficient mechanism for accounting for: the quality of energy supplied to consumers and its method of production; the progress made towards targets for the use of sustainable energy technologies; and the production and consumption of energy for the purposes of stimulating investment in sustainable energy plant. Moreover, certification enables a value to be accorded to specific types of energy output and traded separately from the energy itself.

A1.2 For a system of energy certification to discharge these functions effectively, users of the Certificates – producers, traders, suppliers, consumers, NGO's and governments – must be satisfied that the Certificates provide reliable evidence of the qualities to which they relate. The European Energy Certification System (EECS) framework is designed to give all such users confidence in the Certificates issued and processed under EECS.

A1.3 The 'Renewable Energy Certificate System' (RECS) enables international trade in the renewable attribute of energy generation by uncoupling environmental value from the associated physical energy. It is a voluntary system whose trading is governed by RECS International.

A1.4 The life cycle of a RECS Certificate encompasses three phases: issuance, transfer and redemption:

- (a) Electronic Certificates are issued on registries in respect the energy output of Production Devices registered specifically for the purposes of RECS.
- (b) These Certificates may be transferred from the account of the producer to that of a trader, and so on; either within the country of origin or to other registries in the EECS network across Europe.
- (c) Redemption is the mechanism whereby the Certificate is removed from circulation. Redemption occurs at the point at which the value of the Certificate is realised. Examples of circumstances in which the Redemption of a Certificate may occur include: in connection with payment from a consumer in recognition of the qualities it represents; in connection with the award by government of a financial incentive, such as a tax rebate; or by way of discharge of a contractual or legal obligation.

A1.5 Together with the Standard Terms and Conditions, this Domain Protocol establishes the EECS Scheme for the Domain defined in B1.2 below.

### A2 Purpose

A2.1 This Domain Protocol sets out the procedures, rights and obligations for RECS as used within this Domain.

A2.2 This Domain Protocol is made binding between the Scheme Participant and REN - Rede Eléctrica Nacional, S.A. (REN) by agreement in the form of the Standard Terms and Conditions. The duties under this Domain Protocol are owed specifically between REN and the Scheme Participant.

A2.3 The objective is to ensure quality, robustness and transparency in facilitating RECS for all Scheme Participants.

A2.4 This document also contains explanatory text to help Scheme Participants. This text is for information only and is identified by having a shaded background.

A2.5 Important contact information is provided in Annex 1.

## **B SCOPE AND RESPONSIBILITY**

### **B1 This Domain Protocol**

- B1.1 This Domain Protocol specifies the procedures for the issue, and use as evidence of transfer of ownership and eventually removal of RECS Certificates held within the EECS Registration Database of REN and may only be amended or added to by REN in accordance with section J below.
- B1.2 This Domain Protocol for Portugal applies to the territory of Portugal and its territorial waters, in conjunction with RECS Certificates held within the EECS Registration Database.
- B1.3 This Domain Protocol has been reviewed by the Association of Issuing Bodies (AIB). The AIB has accepted this Domain Protocol and has stated that it is consistent with the Basic Commitment being the Principles and Rules of Operation for the European Energy Certification System.
- B1.4 REN – Rede Eléctrica Nacional, S.A. is exclusively appointed to act as the Issuing Body for RECS within Portugal by the Portuguese authorities and by the National RECS Team of Portugal. REN has been recognised by the Association of Issuing Bodies to act as the Issuing Body for Portugal.

### **B2 Responsibility**

- B2.1 REN is responsible for the operation of the RECS system for this Domain.
- B2.2 Some of the functions facilitating system operation may be contracted out to approved agents of REN.
- B2.3 The Central Monitoring Office (CMO) is the primary role in the operation of an EECS Scheme in a Domain. The function of the CMO is to administer and maintain the database of qualifying Production Devices and RECS Certificates for that Domain. In Portugal this function is performed by REN. The charges for accounts and transactions are shown on the website [www.ren.pt](http://www.ren.pt).
- B2.4 The CMO is not responsible for the authorisation of Certificates, although it is responsible for 'issuing'; the creation of Certificate records within its registry.

## C Definitions

### C1 This document

C1.1 Unless the context otherwise requires or there is express provision to the contrary, all terms in this Domain Protocol shall have the meanings ascribed to them in section B of the Principles and Rules of Operation of the Association of Issuing Bodies (AIB) for The European Energy Certification System, which can be found at <http://www.aib-net.org>

TERM	MEANING
CMO	REN –Rede Eléctrica Nacional, S.A. being the body appointed by the Scheme Member to administer the operation of the EECS Registration Database for the purposes of RECS within Portugal;
Competent Authority	in relation to the exercise or discharge of any legislative, governmental, regulatory or administrative function, the body duly authorised under the laws and regulations of Portugal to exercise or discharge that function;
Export Meter	a device, or collection of devices, and supporting arrangements for determining (in whole or in part) the quantity of electrical energy flowing from a Production Device to a distribution or transmission system and , depending on the national practice, it might include the electrical energy flowing from a Production Device to satisfy onsite demand;
Import Meter	a device, or collection of devices, and supporting arrangements for determining the quantity of electricity input into a Production Device (including electricity input from a distribution or transmission system and depending on the location of the Export Meter it might include electricity input from onsite generation);
Net Electrical Energy Generation	the gross electricity production of a Production Device as evidenced by measured values collected and determined by an Authorised Body (or where appropriate an Approved Measurement Body) with reference to its Import and Export Meters (adjusted by meter amendments and the outcome of any disputes) minus the demand of any generating auxiliaries and minus losses in the main generator transformers on the site of the Production Device;
Scheme Participant	an Account Holder or a Registrant of a Production Device on the EECS Registration Database for the purposes of RECS within Portugal;

## D Renewable Energy Certificate System (RECS)

### D1 Scheme Definition

D1.1 The 'Renewable Energy Certificate System' (RECS) enables international trade in the renewable attribute of energy generation by uncoupling environmental value from the associated physical energy. It is a voluntary system whose trading is governed by RECS International.

### D2 Supplementary Definitions for RECS

Renewable Source Factor in relation to any Production Device and period of time the proportion expressed as a factor of less or equal than one of the Net Electrical Energy Generation of that Production Device which is RES-E, as specified in the Production Declaration for that Production Device with respect to the period over which the electricity was generated.

### D3 Qualifying Criteria

D3.1 The criteria for Production Devices to qualify for registration for the purposes of RECS are:

- (a) that the Production Device is capable of generating RES-E; and
- (b) that the owner of Production Device will not during the period of its registration for the purposes of RECS and for the same unit of electrical energy receive tradable evidence such as Certificates which represent the benefit of renewable electricity generation from both RECS and another similar system that similarly certifies the origin or represents the benefits of the associated renewable electricity and can be exchanged for financial support.

D3.2 Qualifying energy must be RES-E.

D3.3 The registration of a Production Device shall expire after five years. The Registrant is obliged to re-apply for registration for the Production Device before expiry.

D3.4 To ensure maintenance of the Qualifying Criteria, a Production Audit will be conducted in relation to each Production Device in Portugal which is Registered for the purposes of RECS:

- (a) no less than once every five years; and
- (b) where such Production Device is fuelled in whole or in part by biomass, no less than once a year.

### D4 Support Schemes

D4.1 Support schemes that are relevant to the operation of the RECS scheme are listed in AIB PRO Fact Sheet 3 – Types of Public Support. This document can be viewed at [www.aib-net.org](http://www.aib-net.org) under the section: Association – Documents – Regulation – PRO.

D4.2 The Registrant of a Production Device must guarantee that the owner of the Production Device, or his agent, will not during the period of its registration for the purposes of RECS and for the same unit of electrical energy receive tradable evidence such as Certificates which represent the benefit of RES-E generation from both RECS and another similar system that similarly

certifies the origin or represents the benefits of the associated renewable electricity and can be exchanged for financial support.

- D4.3 The Registrant of a Production Device must notify REN whether, and if so what type of, Public Support has been, or is due to be, received by the Production Device.
- D4.4 The Registrant of a Production Device must provide details of any prior infringements by itself or any affiliate of the terms of any Domain Scheme with respect to RECS to REN on application for registration.

## D5 **Certificate Face Values**

D5.1 RECS Certificates can be Issued with the following Face Values:

- (a) 1MWh

## D6 **Issuing of RECS Certificates**

- D6.1 This section is supplemental to the provisions of section G below.
- D6.2 Where a Production Device only produces RES-E, the amount of RES-E determined for the purposes of RECS as having been produced by a Production Device shall be the amount of Net Electrical Energy Generation produced by that Production Device.
- D6.3 Where a Production Device produces RES-E and electricity which is not RES-E, the amount of RES-E determined for the purposes of RECS as having been produced by a Production Device shall be the amount of Net Electrical Energy Generation produced by that Production Device multiplied by the Renewable Source Factor.
- D6.4 RECS Certificates can be Issued in respect of output up to the entirety of the RES-E output of a Production Device in any period.
- D6.5 Irrespective of the actual date on which a RECS Certificate is issued, the date of Issue of a RECS Certificate is the last day on which the energy output to which the RECS Certificate relates was generated.
- D6.6 A RECS Certificate must indicate:
- (a) whether Public Support is associated with the Originating Production Device; and
- (b) the nominated capacity (in kW) of the Originating Production Device.

## E PARTICIPATION AND REGISTRATION

### E1 Scheme Participation

- E1.1 With the exception of the case identified in E1.2, any legal person who is not a member of the Association of Issuing Bodies or such member's affiliate or agent can be a RECS Scheme Participant.
- E1.2 REN, as the sole buyer of all energy generated by the bidding system and the renewable producers and according to national legislation (Decreto-Lei 33-A/2005), can request the issue and trade the certificates correspondent to the renewable energy remunerated through the feed-in-tariff. The RECS certificates issued under Decreto-Lei 33-A/2005 must indicate all the Public Support that is associated with the Originating Production Device and the certificates should, at least, be earmark with the indication of receiving production support.
- E1.3 Any revenue arising from the trade of these certificates is directly pass through by REN, in order to reduce the impact of the feed-in tariffs in the final tariff of the consumers.
- E1.4 The function of Issuing Body and the function of certificates trading are accounted separately and undertaken independently in accordance with Regulamento das Relações Comerciais, published by the national regulator (ERSE – Entidade Reguladora dos Serviços Energéticos).
- E1.5 The application form to open an Account can be found in Annex 5 and on the website [www.ren.pt](http://www.ren.pt).
- E1.6 The RECS Scheme Participant must contract with REN under the Standard Terms and Conditions.
- E1.7 A RECS Account Holder can hold RECS Certificates in an account within the EECS Registration Database for Portugal.
- E1.8 On request the CMO will open an account within 5 (five) working days. The account will be uniquely identified by a number and a name.
- E1.9 The CMO will also create a user with sufficient privileges to allow the Account Holder to access the website <http://pt.logactiv.com/> and by this way allowing the Account Holder to access his Account. The username and password will be sent within 5 (five) working days upon receipt of the request signed by an official.
- E1.10 It is the responsibility of the Scheme Participant to keep such identification secret.
- E1.11 The Account Holder can get secure electronic access to the Account to make transfers of Certificates to another Account in the same EECS Registration Database or to another EECS Registration Database for RECS Certificates in another Domain through the website <http://pt.logactiv.com/>.

### E2 Registration of a Production Device

- E2.1 Only the owner of a Production Device, or a Registrant duly authorised by the owner, may register a Production Device, which is located in Portugal in the EECS Registration Database.
- E2.2 The Registrant of the Production Device must provide evidence to the satisfaction of REN that it has the appropriate authority to register the Production Device and that it can comply with the requirements of the RECS Scheme and this Domain Protocol with respect to the imposition of duties on the owner and/or operator of the Production Device. Such evidence being the production license issued on behalf of the Registrant ("Licença de Produção" or "Licença de Exploração", issued by Direcção Geral de Geologia e Energia) or, in the case the Registrant is not the owner of the device, the Registrant must present the production license issued on behalf of the owner and the correspondent power of attorney signed by the owner. In the case that the registration is perform under the Decreto-Lei 33-A/2005, as referred on E1.2, documentation

must be present to prove that the owner of the production device is receiving support from the feed-in tariff.

- E2.3 An applicant registering a Production Device must provide the following information (see also the check list presented in Annex 2):
- (a) the applicant's name and address and additional contact details, including the name of the individual responsible for the application, phone number, fax number and e-mail address;
  - (b) the names of persons authorised to act for the Registrant;
  - (c) the EECS Scheme or Schemes with respect to which it is applying for registration;
  - (d) the Transferables Account into which Scheme Certificates in respect of that Production Device are to be Issued;
  - (e) the location of that Production Device, its name and address;
  - (f) details of the Export Meter(s) for that Production Device;
  - (g) details of any generating auxiliaries associated with that Production Device;
  - (h) where there are generating auxiliaries associated with that Production Device and these consumptions aren't taken into consideration by a Export Meter, details of Import Meter(s) which determine the electricity consumption by the Production Device;
  - (i) (irrespective of whether or not there is any intention to use such sources of energy in connection with the Production Device) all sources of energy that may be converted into energy outputs by that Production Device by reference to the source types set out in Annex 3;
  - (j) the nature of that Production Device, in terms of technology by reference to the types set out in Annex 3;
  - (k) the Nominal Capacity of that Production Device;
  - (l) where at the time of such application it has been commissioned, the date on which that Production Device was commissioned;
  - (m) the identity of the Authorised Body or, where appropriate, Approved Measurement Body responsible for collecting and determining the measured values of the energy outputs of that Production Device and providing such measured values to REN;
  - (n) a diagram of that Production Device, including details the location of:
    - (i) the Export Meter(s) for the Production Device;
    - (ii) any transformer substations at the site of the Production Device;
    - (iii) any generating auxiliaries for the Production Device; and
    - (iv) any Import Meters for the Production Device.
  - (o) The last audit report regarding the metering equipment as required by the Guia de Telecontagem do Continente.
- E2.4 The registration form containing all the items listed in E2.3 above can be found in Annex 2 to this Domain Protocol.
- E2.5 The Qualifying Criteria for a Production Device within the RECS scheme are given in D above.
- E2.6 If the metering equipment is not located at the point of the generation of net electrical energy the manner of calculating the net amount will be agreed separately for each case. The calculation and agreed correction factors shall be recorded on the RED of the Production Device.

- E2.7 The Registrant must warrant that the information provided to REN in connection with its application is complete and accurate and that the Production Device meets the qualification criteria for RECS.
- E2.8 The Registrant must also provide details of any payments (other than payments arising from the sale of RECS Certificates) which have been received by, or are due to accrue to, any person in relation to the Production Device under any of the Public Support schemes identified in D above.
- E2.9 The CMO, REN, will respond to the application within 10 (ten) working days from its receipt.
- E2.10 The Registrant must have the information in the registration form verified by a Production Registrar (see I2.1 below) as part of the approval process.
- E2.11 Where the Production Device is already accredited to another EECS Scheme or legislative support scheme, the CMO,REN, may determine that part or all of the verification of this application is not required.
- E2.12 An application for the registration of a Production Device for the purposes of RECS will be rejected if:
- (a) in relation to that application, the applicant has failed to comply with any requirements of this Domain Protocol or the Standard Terms and Conditions;
  - (b) the Qualification Criteria are not satisfied in respect to that Production Device;
  - (c) there are one or more generating auxiliaries for that Production Device that aren't taken into consideration by a Export Meter and it is not fitted with Import Meters; or
  - (d) the Production Registrar is prevented from satisfactorily verifying the application by the applicant or the owner or operator of the relevant Production Device.
- E2.13 On successful completion of the registration process, REN will assign a unique identifier to each registered Production Device, if one has not already been assigned in that EECS Registration Database under another EECS Scheme.
- The identifier consists of a number with 18 numeric characters that also identifies the Domain of origin. EAN/GSRN (Global Service Relational Number) coding is used.
- E2.14 The Registrant consents to the publication by REN or its CMO of data provided in the course of its application for registration in relation to each of its Production Device registered on the database on its web page, with the exception of:
- (a) detailed descriptions of plant and equipment;
  - (b) graphical representations of the Production Device and its location, including diagrams and photographs; and
  - (c) details of:
    - (i) the person responsible for the application; and
    - (ii) where the Registrant of the Production Device is not its owner, the Production Device's owner.
- E3 Changes in Registered Details**
- E3.1 The Registrant of a Production Device must notify REN of any planned changes due to come into effect that will result, or unplanned changes that have resulted, in:
- (a) the information recorded in the EECS Registration Database in relation to the Production Device becoming inaccurate; or
  - (b) the Qualification Criteria for RECS ceasing to be satisfied with respect to that Production Device.

- E3.2 On receipt of a change of details notification (following an inspection or otherwise), REN will evaluate the impact of the changes on the Qualifying Criteria and respond to the Registrant within 10 (ten) working days specifying the decision taken.
- E3.3 Where REN becomes aware that a Production Device no longer fulfils, or will no longer fulfil, the Qualification Criteria, the EECS Registration Database record for that Production Device will be updated to show that the Production Device no longer qualifies for RECS Certificates with effect from:
- (a) (in relation to planned changes notified in advance) the date on which such planned changes are due to come into effect; or
  - (b) (in relation to other changes) as soon as reasonably practicable after becoming so aware.
- E4 Withdrawing from the Scheme - Closing an Account**
- E4.1 The Account Holder must notify REN of an intent to close his account using the form shown in Annex 5. The effective date of closure must not be less than 5 (five) working days from the date of receipt by REN.
- E4.2 REN will amend the EECS Registration Database to seal that Account as of the effective date on the request or 5 (five) working days from the date of receipt by REN whichever is the later.
- E4.3 With the closing of an Account, any obligation of the EECS Participant regarding his participation within RECS continue to persist after the seal of that Account. The referred obligation will only cease when all financial obligations of the EECS Participant terminate.
- E5 Withdrawing from the Scheme - Deregistering a Production Device**
- E5.1 The Registrant must notify REN of an intent to deregister his Production Device in writing. The effective date of deregistration of the Production Device must not be less than 5 (five) working days from the date of receipt of the notification by REN.
- E5.2 With the deregistration of a Production Device, any obligation of the EECS Participant regarding the participation of the Production Device within RECS continue to persist after the deregistration. The referred obligation will only cease when all financial obligations terminate.

## F PRODUCTION DATA

### F1 Metering

F1.1 Only Production Devices that are equipped with metering equipment that complies with the relevant regulations for the trading of generation energy shall be registered. The metering equipment may measure on a scalar basis (meter advance only) or on a period basis (energy measured in units of time) according to the regulations.

F1.2 For the avoidance of doubt, the relevant regulations are the versions of the following agreements and codes presently in force at the time:

- (a) Guia de Telecontagem para Portugal Continental published on Diário da República nº 276/03 (II Série- 2º Suplemento on the 28 of November of 2003)

### F2 Data Provision

F2.1 If the Registrant wishes to receive RECS Certificates for his Production Device in an issuing period he must submit a Production Declaration to REN:

- (a) If the Production Device has a single energy source (i.e. excluding biomass and pumped storage hydro), the Registrant must submit a Production Declaration for that Production Device at least once in any [12] month period.
- (b) If the Production Device has multiple energy sources (i.e. including all biomass and pumped storage hydro), the Registrant must submit a Production Declaration for that Production Device and for every issuing period as defined in G1.2 below.

The Production Declaration form can be found in Annex 4 to this Domain Protocol.

F2.2 The Registrant is responsible for the timely delivery of accurate metering data for his Production Device, although metered energy values must be provided, or verified, by a Measurement Body (see I3 below).

F2.3 Production Declarations are subject to verification by a Production Auditor (see I1 below) on a random and periodic basis.

F2.4 In the event that it transpires that the data in any Scheme Certificate is inaccurate (whether or not through an act or omission of the Registrant of the Originating Production Device):

- (a) REN shall (provided that such RECS Certificates are, at the time of such Withdrawal, in the Transferables Account of that Registrant) Withdraw those Certificates; and
- (b) the Registrant shall pay REN the cost of securing the agreement of another Account Holder to the Withdrawal of RECS Certificates of the same type from that other Account Holder's Transferables Account,

so that, as far as reasonably practicable, RECS Certificates are withdrawn with a Face Value and a financial value which make good the discrepancy.

F2.5 The Registrant must provide metering data for his Production Device for the entire duration of registration of that Production Device (regardless of whether the generation is eligible or certificates are required).

F2.6 A person submitting a Production Declaration (See Annex 4) in accordance with F2.1 above shall be obliged to specify therein:

- (a) the values of  $M^i$  and  $C^i$  for each fuel type 'i'; and
- (b) as the Energy Source Factor for that period, a factor no greater than L,

Where:

$$L^i = \frac{\sum_i^j M^i x C^i}{\sum_i^n M^i x C^i}$$

And

$M^i$  is the mass of each fuel type 'i' for that Production Device during the relevant period.

$C^i$  is the average calorific value of each fuel type 'i' for that Production Device during the relevant period.

i to j are qualifying energy sources for that Production Device during the relevant period.

j to n are not qualifying energy sources for that Production Device during the relevant period.

F2.7 In some cases, additional information is required by the issuer to ensure the number of Certificates issued correctly represents the qualifying energy that was metered. These cases, and the additional information required is set with the Registrant.

F2.8 The Registrant of Production Devices, identified in F2.6 and F2.7, who wishes to receive RECS certificates, must submit a Production and Consumption Declaration no later than 15 (fifteen) working days after the end of the correspondent issuing period.

## **G PROCESSING OF CERTIFICATES**

### **G1 Issuing for Transfer**

G1.1 RECS Certificates are only issued under this Domain Protocol:

- (a) in respect of a Production Device which is, at the time of Issue:
  - (i) situated in Portugal;
  - (ii) registered in the EECS Registration Database of REN as qualifying for RECS Certificates; and
  - (iii) the Registrant of which does not have any outstanding fees payable to REN or its agents in conjunction with RECS Certificates;
- (b) in respect of the qualifying energy output of such a Production Device during any period in which it was registered in an EECS Registration Database for the purposes of the RECS scheme; and
- (c) to an Account Holder who does not have any outstanding fees payable to REN or its agents in conjunction with RECS Certificates.

G1.2 Subject to G1.1 above RECS Certificates are issued on demand of the Registrant against energy data in accordance with F2.2 above and metered during every calendar month, if nothing else is agreed between the issuer and the Registrant.

G1.3 Only persons duly authorised by the Registrant may request the issue of RECS Certificates in relation to the output of that Production Device.

G1.4 The CMO will check the Production Declaration against the metered data provided for the Production Device for the period to which the Production Declaration relates. The EECS Registration Database will also be checked to ensure that no more than one RECS Certificate is Issued in respect of the same qualifying energy output.

G1.5 The CMO will deposit the Certificates in the Transferables Account nominated by the Registrant within the EECS Registration Database no later than 10 (ten) working days after the receipt of a valid Production Declaration and the Account Holder will be notified accordingly.

G1.6 The RECS Certificates shall be issued in such format as may be determined by AIB from time to time.

G1.7 A RECS Certificate identifies the entitlement of the Account Holder of the Transferables Account in which it is held to the attributes of:

- (a) the energy source for the quantity of energy output to which it relates; and/or
- (b) the method and quality of the production of such energy output;

so as to enable the Account Holder to realise such real and intangible benefits as may be accorded to such entitlement. These entitlements are dependant on the laws of the country in which the Originating Production Device is situated and the laws applicable in any Domain to which they may be transferred for realisation on Redemption.

### **G2 Transfer**

G2.1 A RECS Account Holder can hold RECS Certificates in an account within the EECS Registration Database for Portugal.

On request the CMO will open an account within 5 (five) working days. The account will be uniquely identified by a number and a name.

- G2.2 The Account Holder can get secure electronic access to the Account to make transfers of Certificates to another Account in the same EECS Registration Database or to another EECS Registration Database for RECS Certificates in another Domain through the website <http://pt.logactiv.com/>.
- G2.3 Only persons duly authorised by the Account Holder may request the transfer of RECS Certificates out of that Account Holder's Transferables Account. Authorised persons must be identified on the account application form (see Annex 5).
- G2.4 Where a Transfer Request is received with respect to one or more Scheme Certificates held in a Transferables Account on its EECS Registration Database, REN will, having confirmed that the Transfer Request is valid:
- (a) remove from that Transferables Account the details of the RECS Certificate(s) specified in the Transfer Request;
  - (b) where the Transferee's Transferables Account specified in the Transfer Request is in the same EECS Registration Database:
    - (i) include the full details of the RECS Certificate(s) referred to in (a) above in the Transferee's Transferables Account;
    - (ii) confirm, to the Transferor, the identity of the RECS Certificates so transferred and any RECS Certificate split in connection with such transfer by reference to their unique identifying number(s) and Face Values; and
    - (iii) confirm, to the Transferee, the identity of the Transferor and of the RECS Certificates so transferred by reference to their unique identifying number and Face Values; and
  - (c) where the Transferee's Transferables Account specified in the Transfer Request is on a different EECS Registration Database:
    - (i) notify the operator of that other EECS Registration Database of that Transfer Request;
    - (ii) subject to G2.7 below, send the full details of the RECS Certificates referred to at (a) above to the operator of that other EECS Registration Database;
    - (iii) record on its own EECS Registration Database, the export of such RECS Certificates, and, where appropriate as a result of the operation of G2.7, the cancellation of their status as Scheme Certificates under any EECS Scheme;
    - (iv) on receipt of confirmation from the operator of that other EECS Registration Database that the transfer has been completed, confirm to the Transferor the identity of the operator of that other EECS Registration Database and of the RECS Certificates so transferred and of any split in connection with such transfer by reference to their unique identifying numbers and Face Values.
- G2.5 Where REN is notified by another EECS Registration Database operator of a Transfer Request including details of a RECS Certificate which are consistent with the Transfer Criteria for RECS Certificates together with the account number for a Transferables Account on its own EECS Registration Database, it will:
- (a) insert the full details of that RECS Certificate in that Account Holder's Transferables Account;
  - (b) confirm to the EECS Registration Database operator that notified it of such Transfer Request that the transfer of that RECS Certificate has been completed; and
  - (c) confirm, to the Transferee, that such EECS Certificate has been transferred by reference to its unique identifying number and Face Value.
- G2.6 Where REN is notified by another EECS Registration Database operator of a Transfer Request involving a Scheme Certificate which does not satisfy the Transfer Criteria for such RECS

Certificates and/or receives an account number which does not correspond with an account number for a Transferables Account on its own EECS Registration Database, REN will use reasonable endeavours to exchange information such that the RECS Certificate can be rendered compliant with the RECS for Portugal or the correct account number identified (as the case may be), failing which:

- (a) the full details of the RECS Certificate shall be re-entered into the Transferor's Transferables Account on the relevant EECS Registration Database and that EECS Registration Database shall be amended so that the RECS Certificate is no longer recorded as having been exported; and
- (b) all details of the RECS Certificate shall be removed from the other EECS Registration Database.

G2.7 Where:

- (a) REN receives a Transfer Request in respect of a RECS Certificate which is a Scheme Certificate under more than one EECS Scheme; and
- (b) the Transferee's Transferables Account specified in the Transfer Request is on a registry that is not part of RECS,

the details of the RECS Certificate referred to in G2.4(c)(ii) above will be amended to remove any identifier indicating that the certificate is a RECS Certificate.

G2.8 The CMO will process a transfer request within the following deadlines:

- (a) A request for transferral of RECS Certificates to an account in the same EECS Registration Database will be executed within 2 (two) working days.
- (b) On a request for transferral of RECS Certificates to an account in a different EECS Registration Database, the export message will be sent to the receiving CMO within 2 (two) working days.
- (c) On receiving an export message, the CMO will execute that message within 2 (two) working days.
- (d) A request for transferral of [EECS Scheme] Certificates to an account in a Registration Database that is outside the EECS network will be executed within 5 (five) working days.

In many cases these processes are fully automated and will occur according to the operational timescales of the Transfer Link which may be significantly ahead of these processing deadlines.

G2.9 The Account Holder is required to retain all records to which he has had access relating to RECS Certificates for a period not less than 10 years after it has been redeemed, or such longer period as is required by the laws of the country in which it was issued.

### G3 **Redemption**

G3.1 Redemption is the removal of a Certificate from circulation and is the point at which it ceases to be tradable. Once in a Redemption Account, a RECS Certificate cannot be moved to any other account.

G3.2 Only persons duly authorised by the Account Holder may request the redemption of RECS Certificates out of that Account Holder's Transferables Account and into its Redemption Account. The request is given electronically through the web site <http://pt.logactiv.com/>.

G3.3 A redemption request can be made by a person duly authorised by the Account Holder to transfer RECS Certificates out of that Account Holder's Transferables Account and into the Redemption Account of a Redeeming Body.

G3.4 On receipt of valid redemption request, REN will:

- (a) remove the details of that RECS Certificate from that Transferables Account;

- (b) insert the details of that RECS Certificate in the Redemption Account of the Redemption Body which made, or is specified, in that request; provide the Account Holder with access to the full details of that RECS Certificate certifying that it has been Redeemed; and
- (c) provide details of the Redeemed RECS Certificate to the Redeeming Body and its auditors where requested to do so.

G3.5 A request for redemption of a RECS Certificate will be executed within 2 (two) working days.

G3.6 On request from an Account Holder, the CMO will produce a standard format, non-transferable, redemption statement within 10 (ten) working days. The request should include the following details:

- (a) The RECS Certificates to be redeemed.
- (b) The recipient of those Certificates, if not the Account Holder.
- (c) Any other information to be included on the statement
- (d) The production/issuing date if not sufficiently identified in (a) above.

G3.7 According to the request, the statement will include some or all of the Certificates held in that Account Holder's Redemption Account that have not previously been included on such a statement.

The format of the redemption statement is shown in Annex 6 to this document.

#### G4 **Splitting**

G4.1 A RECS Certificate may be split into Certificates of lower Face Values if directly requested by the Account Holder or implied by the volume in a Transfer Request. This is achieved by deleting it and replacing it with RECS Certificates identical with that RECS Certificate in every respect save as to their denominations in MWh and any unique identification numbers. The aggregated Face Values of the replacement RECS Certificates will be the same as the Face Value of the original RECS Certificate.

G4.2 Where a split of a Certificate is implied by a Transfer Request, that Transfer Request will be deemed to apply to all the replacement Certificates up to the volume implied by that Transfer Request.

#### G5 **Withdrawals**

G5.1 REN may withdraw a RECS Certificate held in a Transferables Account on its EECS Registration Database at the request of the Account Holder of that Account, or otherwise in accordance with the provisions of the RECS scheme, thereby cancelling it.

#### G6 **Errors**

G6.1 Where an error is introduced (subsequent to its Issue) into, or with respect to, a RECS Certificate held in the Account Holder's Transferables Account in the EECS Registration Database:

- (a) in the course of its Transfer into that Account; or
- (b) during such time as it is in such Account,

REN will correct the error in or with respect to that RECS Certificate and any errors replicated in RECS Certificates split from it, provided that such RECS Certificate(s) have not been transferred out of that Transferables Account.

- 
- G6.2 REN may Withdraw or alter a RECS Certificate held in its EECS Registration Database to give effect to an agreement reached with the Account Holder under provisions of the Standard Terms and Conditions.
- G6.3 REN may alter a RECS Certificate held in its EECS Registration Database so as to rectify an error which occurred prior to its transfer into the Account in which it is held at such time, provided:
- (a) the Account Holder has agreed to such alteration;
  - (b) it is reasonably satisfied that any unjust enrichment of a RECS Scheme Participant as a consequence of such error has, to the extent reasonably practicable, been nullified;
  - (c) it is reasonably satisfied that the alteration itself does not give rise to undue enrichment of the Account Holder.

## H MONITORING AND REPORTING

### H1 Monitoring

- H1.1 The Registrant, on behalf of the owner and operator, of a Production Device must permit REN, or its agent, to access the Production Device or records associated with it, its energy output and sources of energy when conducting inspections in accordance with this section H1, including, if so required, without prior notice. Refusal to permit such access may be considered a breach of the Standard Terms and Conditions.
- H1.2 REN, or its agent, will periodically conduct inspections of a Production Device registered on its EECS Registration Database and any associated Import and Export Meters to confirm that:
- (a) the information recorded in relation thereto on the EECS Registration Database is accurate;
  - (b) the Registrant and, where applicable, the owner and/or operator of the Production Device, is complying with all relevant obligations under the relevant EECS Schemes; and
  - (c) such Production Device continues to meet the Qualification Criteria for the EECS Schemes in relation to which it is registered.
- H1.3 The period between inspections of a Production Device under H1.2 above will not exceed 5 years. REN will request the Registrant of a Production Device to produce a report from its nominated Production Auditor stating that the registration continues to satisfy the criteria in H1.2 above. See also I1.6 below.
- H1.4 REN, or its agent, may conduct ad-hoc inspections of records associated with relevant Public Support in relation to Production Devices registered on its EECS Registration Database for the purposes of EECS Schemes.

### H2 Activity Reporting

- H2.1 In order to maintain an open and orderly market, REN has a duty to publish information in relation to the activities of that market.
- H2.2 Each Production Auditor will report to REN every 6 months specifying the auditing measures it has carried out in the preceding 6 months.
- H2.3 REN will publish an activity report no less than once every three months on the number of RECS Certificates which, within the preceding three calendar months:
- (a) it has Issued;
  - (b) (where relevant) have been transferred within its EECS Registration Database from Accounts associated with one Domain to Accounts associated with another Domain held on the same EECS Registration Database;
  - (c) have been transferred into its EECS Registration Database from EECS Registration Databases of other EECS Scheme registry operators;
  - (d) have been transferred from its EECS Registration Database to EECS Registration Databases of other EECS Scheme registry operators;
  - (e) it has transferred from Transferables Accounts to Redemption Accounts.
- H2.4 AIB will publish in respect of each calendar year an annual report within six months of the end of that calendar year on the functioning and efficiency of the market in Scheme Certificates Issued or transferred to accounts in its members' EECS Registration Database(s).
- H2.5 The annual report referred to H2.4 above shall specify any institutional, structural, and legal impediments to the efficient functioning of the RECS scheme within Portugal.

### H3 **Exception Reporting**

- H3.1 Where as a consequence of an inspection conducted pursuant to H1 above, REN determines that the Scheme Participant is in breach of this Domain Protocol or the Standard Terms and Conditions, or determines that a Production Device is in breach of the Qualifying Criteria for an EECS Scheme in relation to which it is registered, REN will:
- (a) take such action as is necessary to secure that RECS Certificates are correctly being issued, such action to include, in a case of material non-compliance with the this Domain Protocol or the Standard Terms and Conditions by the Registrant, the withdrawal of registration of the relevant Production Device for the purposes of the EECS Scheme; and
  - (b) notify the AIB of such breach where REN is of the reasonable opinion that such breach could affect the transfer of EECS Certificates out of its EECS Registration Database into another EECS Registration Database.
- H3.2 REN will report any failures by the Scheme Participant to comply with the provisions of this Domain Protocol or the Standard Terms and Conditions to the Competent Authorities in relation to such matters. Such failures shall include behaviour by the Scheme Participant of which REN is aware and which, in its reasonable opinion, amounts to a breach of Competition Law, or applicable law governing the conduct of financial markets.
- H3.3 REN will also notify the AIB of any report made by it under H3.1 above providing as much information in relation to such a report as is consistent with any duty of confidentiality it may have to the Scheme Participant.

## I AGENTS AND MEASUREMENT BODIES

### I1 Production Auditor

- I1.1 The role of the Production Auditor is to verify Production Declarations and (where appropriate) Consumption Declarations made by Registrants of Production Devices to the CMO for the purposes of Certificate issuing. This is to ensure the continued fulfilment of the conditions of registration.
- I1.2 The Production Auditor is an agent of REN. The full list of approved Production Auditors is given in Annex 1 to this document and on the website [www.ren.pt](http://www.ren.pt).
- I1.3 To be a Production Auditor, the company must gain approval from REN. The operation of the Production Auditor is under the control of REN and the Association of Issuing Bodies.
- I1.4 The Registrant of the Production Device may nominate a Production Auditor from the list in Annex 1. Such a Production Auditor must be independent of the owner or the Registrant of the Production Device.
- I1.5 The Production Auditor will receive information about the issued RECS Certificates from REN and the registered information relating to the Production Device for the period being reviewed. The Production Auditor will compare generation capacity with the issued number of Certificates and other relevant data e.g. wind speeds, to identify any potential abnormalities.
- I1.6 The Production Auditor will report any discrepancies from the registered information to REN as soon as possible.
- I1.7 A Production Auditor may also perform the role of Production Registrar.

### I2 Production Registrar

- I2.1 As part of the registration process for the Production Device, it is necessary for the information provided by the applicant to be independently verified. This is normally achieved through a site inspection. REN must verify the application, but can delegate the activity to a Production Registrar as his agent.
- I2.2 The full list of authorised Production Registrars is given in Annex 1 to this document and on the website [www.ren.pt](http://www.ren.pt).
- I2.3 The structure of charges to the applicant for this service and verification timings for each Production Registrar are to be discussed between the Registrant and the Production Registrar.
- I2.4 The Registrant, on behalf of the owner and operator, of a Production Device must permit REN, or a Production Registrar as its agent, to access the Production Device or records associated with it, its energy output and sources of energy when conducting inspections in accordance with section I2.1 above.
- I2.5 A Production Registrar may also perform the role of Production Auditor.

### I3 Measurement Body

- I3.1 A Measurement Body is an organisation responsible for the collection of metering data relating to the output of the Production Device.
- I3.2 The full list of Measurement Bodies, approved to provide data for RECS in Portugal is given in Annex 1 to this document and on the website [www.ren.pt](http://www.ren.pt).

## J MODIFICATIONS

### J1 Modifications to this Domain Protocol

- J1.1 The Scheme Participant may propose a modification to this Domain Protocol;
- J1.2 Such a proposal will include a detailed description, including an exact specification of any proposed modification of this Domain Protocol and be passed in writing to REN.
- J1.3 On receipt of such a request, REN will:
- (a) Respond to the request within 10 (ten) working days, describing the procedures to be followed, and estimating when a reply can be expected;
  - (b) Consult with the other RECS Scheme Participants within Portugal;
  - (c) Decide whether the request and its consequences are in its opinion reasonable;
  - (d) Inform the RECS Scheme Participants within Portugal the outcome of this decision.
- J1.4 REN may make such modifications to this Domain Protocol as are in its opinion necessary to the effective and efficient operation of the market.
- J1.5 Any modifications to this Domain Protocol are subject to approval by the AIB that such changes do not conflict with the Principles and Rules of Operation of the Association of Issuing Bodies (AIB) for The European Energy Certification System.
- J1.6 Implementation of modifications will be notified by email to the Scheme Participant and will take effect on publication of the documentation on the website [www.ren.pt](http://www.ren.pt).

## **K ASSOCIATION OF ISSUING BODIES**

### **K1 Membership**

- K1.1 REN is a member of the Association of Issuing Bodies (AIB) and is bound by the quality standards of that Association for the international transfer of certificates. Continued membership is essential to facilitate international transfers of RECS Certificates.
- K1.2 In order to maintain the quality standard across the entire EECS network, all AIB members are subject to audit and periodic peer review.
- K1.3 In the event of REN or one of its agents failing to maintain the quality standard, there may be a suspension of RECS Certificate issuing and/or international transfers into or out of Portugal.
- K1.4 Should REN decide to withdraw from AIB membership in respect of RECS in Portugal, it will give notice in writing to the Scheme Participant in accordance with the Standard Terms and Conditions.

## **L        TARIFFS**

### **L1        Participation Fees**

L1.1        REN, as Issuing Body of RECS certificates, may charge fees for the following services:

- (a)        Registration of participants and production devices;
- (b)        Participation fee;
- (c)        Issuing of RECS certificates;
- (d)        Transfer of Ownership;
- (e)        Providing redemption statements of the RECS certificates redeemed;

L1.2        Annually, tariffs and its structure for these services will be fixed and published by REN.

L1.3        The costs with audits, whether they are accreditation, documents verification or standard verification audits, will be charged by the Production Registrar or by the Production Auditors directly to the participants.

## Annex 1 – Contacts List

### Central Monitoring Office

Company	REN – Rede Eléctrica Nacional, S.A.
Contact Person	Engº Pedro Pereira Engº José António Costa
Address	Rua Cidade de Goa, nº4, Edifício B, 4º Andar
Country	Portugal
Phone number	+351 21 001 1257 +351 21 001 1764
Email address	<a href="mailto:pedro.pereira@ren.pt">pedro.pereira@ren.pt</a> <a href="mailto:joseantonio.costa@ren.pt">joseantonio.costa@ren.pt</a>

### Certificate Authority *(if different from the CMO)*

Company	
Contact Person	
Address	
Country	
Phone number	
Email address	

### Production Registrars

Company	REN – Rede Eléctrica Nacional, S.A.
Contact Person	Engº Pedro Pereira Engº José António Costa
Address	Rua Cidade de Goa, nº4, Edifício B, 4º Andar
Country	Portugal
Phone number	+351 21 001 1257 +351 21 001 1764
Email address	<a href="mailto:pedro.pereira@ren.pt">pedro.pereira@ren.pt</a> <a href="mailto:joseantonio.costa@ren.pt">joseantonio.costa@ren.pt</a>

Company	LABELEC – Estudos, desenvolvimento e actividades laboratoriais
Contact Person	Engº Luís Silvestre Bernardo
Address	Rua Cidade de Goa, nº4, Edifício A
Country	Portugal

Phone number	+351 21 001 1442 +351 933339856
Email address	<a href="mailto:luis.bernardo@labelec.edp.pt">luis.bernardo@labelec.edp.pt</a>

#### Production Auditors

Company	REN – Rede Eléctrica Nacional, S.A.
Contact Person	Eng <sup>o</sup> Pedro Pereira Eng <sup>o</sup> José António Costa
Address	Rua Cidade de Goa, n <sup>o</sup> 4, Edifício B, 4 <sup>o</sup> Andar
Country	Portugal
Phone number	+351 21 001 1257 +351 21 001 1764
Email address	<a href="mailto:pedro.pereira@ren.pt">pedro.pereira@ren.pt</a> <a href="mailto:joseantonio.costa@ren.pt">joseantonio.costa@ren.pt</a>

Company	LABELEC – Estudos, desenvolvimento e actividades laboratoriais
Contact Person	Eng <sup>o</sup> Luís Silvestre Bernardo
Address	Rua Cidade de Goa, n <sup>o</sup> 4, Edifício A
Country	Portugal
Phone number	+351 21 001 1442 +351 933339856
Email address	<a href="mailto:luis.bernardo@labelec.edp.pt">luis.bernardo@labelec.edp.pt</a>

#### Measurement Bodies

Company	REN – Rede Eléctrica Nacional, S.A.
Contact Person	Eng <sup>o</sup> António Veríssimo
Address	Rua Cidade de Goa, n <sup>o</sup> 4, Edifício B, 4 <sup>o</sup> Andar
Country	Portugal
Phone number	+351 21 001 1923
Email address	<a href="mailto:antonio.verissimo@ren.pt">antonio.verissimo@ren.pt</a>

## Annex 2 – Registration Form

<b>Registrant of Production Device</b>					
Owner:	<input type="checkbox"/>	Registrant:	<input type="checkbox"/>	Declaration of changes <sup>1</sup>	<input type="checkbox"/>
Name:		Contact person:			
Street:		Postal code:			
City:		Phone #:		Fax #:	
Country:		ERD <sup>2</sup> account # <sup>3</sup> :			
e-mail:					
Issuing Body:					
<b>Production Device</b>					
Street:		Postal code:			
City:		ID for meter readings:			
Country:		<input type="checkbox"/>			
Grid reference:					
Production Device is connected directly to the grid:					
If the Production Device is <i>not</i> connected directly to the grid, specify the circumstances, and additional relevant meter registration numbers:					
Installed capacity, MW:		Date of commissioning:			
Auxilliary services consumption and internal losses, % of gross installed capacity:					
<b>Energy sources</b>					
Wind – onshore	<input type="checkbox"/>	Hydro – conventional	<input type="checkbox"/>	Geothermal	<input type="checkbox"/>
Wind – offshore	<input type="checkbox"/>	Hydro – pumped storage	<input type="checkbox"/>	Tidal - onshore	<input type="checkbox"/>
Solar- photovoltaic	<input type="checkbox"/>	Wave - onshore	<input type="checkbox"/>	Tidal - offshore	<input type="checkbox"/>
Solar - thermal	<input type="checkbox"/>	Wave - offshore	<input type="checkbox"/>	Landfill gas	<input type="checkbox"/>
Energy crops	<input type="checkbox"/>	Municipal waste	<input type="checkbox"/>	Sewage gas	<input type="checkbox"/>
Forestry/agricultural waste	<input type="checkbox"/>	Industrial waste	<input type="checkbox"/>	Other non-fossil	<input type="checkbox"/>
Coal	<input type="checkbox"/>	Peat	<input type="checkbox"/>	Natural Gas	<input type="checkbox"/>
Fuel Oil	<input type="checkbox"/>	Orimulsion	<input type="checkbox"/>	Nuclear	<input type="checkbox"/>
Chemical industrial gases	<input type="checkbox"/>	Other fossil	<input type="checkbox"/>		
<b>Public Support schemes</b>					
Generation-based feed-in tariff. Electricity generation derived from wind, small-hydro, wave, solar photovoltaics, municipal waste and agricultural residue.					<input type="checkbox"/>
Generation-based feed-in tariff. Electricity generation derived from cogeneration, including cogeneration using bio-mass as primary energy (fully or partially).					<input type="checkbox"/>
Public support for the development of electricity production devices - " <i>Regulamento de Execução de Medidas de Apoio ao Aproveitamento do potencial energético e da racionalização de consumos</i> "					<input type="checkbox"/>
Other					<input type="checkbox"/>

<sup>1</sup> Highlight changed data on declaration of changes. <sup>2</sup> ERD = EECS Registration Database. <sup>3</sup> Optional.

Place	Date	Verified by
-------	------	-------------

Signature Registrant

Production Registrar

Authorised personnel	

By undersigning this registration form the Registrant also reaffirms the relevant requirements of the Domain Protocol:

- The Registrant is authorised by the owner of the Production Device, which is the object of this registration form to so register that Production Device for RECS in Portugal.
- The electrical energy produced by the Production Device is produced according to the Qualifying Criteria set out in D3 of the Domain Protocol for RECS in Portugal and will in addition be supported by such other criteria as may be from time to time prescribed by the scheme authority or CMO responsible for the Domain within which the Production Device lies.
- The information given in this registration form is truthful and exhaustive.
- Any planned changes concerning the information given in this registration form will be announced in advance to the Production Registrar and the CMO. Any unplanned changes will be announced to the Production Registrar and the CMO at the first possible occasion.
- The owner of the production device and the Registrant as his agent accept the possibility of unannounced control and auditing visits to their own premises and/or the premises of the production device, as prescribed in the Domain Protocol for RECS in Portugal.

### Checklist: Registration of Production Device

Information to be provided by the Production Registrant when applying for registration (this information should normally be included in the RED by filling in the appropriate fields or as an attachment).

- (a) The name, address, contact details (including person responsible, phone, fax and e-mail) and Issuing Body for the Production Registrant;
- (b) The names of persons authorised to act for the Registrant;
- (c) The EECS Scheme or Schemes with respect to which it is applying for registration;
- (d) The Transferables Account into which Scheme Certificates in respect of that Production Device are to be Issued;
- (e) The name and location of the Production Device;
- (f) Details of the Export Meter(s) for that Production Device;
- (g) Details of any generating auxiliaries associated with that Production Device;
- (h) Auxiliary services consumption and installation internal losses (in % of gross installed capacity);
- (i) Where there are generating auxiliaries associated with that Production Device and these consumptions aren't taken into consideration by a Export Meter, details of the Import Meter(s) which determine the electricity consumption by the Production Device;
- (j) All possible sources of fuel to be converted into electrical energy by this Production Device, whether or not this is renewable, from the agreed list as set out in the PRO Fact Sheet 5 and in the Annex 3 of this Domain Protocol;
- (k) The type of generation technology in place at this Production Device, from the agreed list as set out in the PRO Fact Sheet 5 and in the Annex 3 of this Domain Protocol;
- (l) The Nominal Capacity of this Production Device;
- (m) The date of commissioning of the Production Device;
- (n) Any schemes associated with any Public Support, listed out in the PRO Fact Sheet 3, that are or have been received in addition to RECS Certificates by this Production Device, together with an indication as to whether they are currently being received;
- (o) A guarantee that the RES-E Generator owning this Production Device will not, during the period of its Registration and for the same unit of electrical energy, receive certificates representing the benefit of renewable electricity generation from both RECS and another similar system – Annex I of RED;
- (p) The production license issued on behalf of the Registrant (“Licença de Produção” or “Licença de Exploração”, issued by Direcção Geral de Geologia e Energia) or, in the case the Registrant is not the owner of the device, the Registrant must present the production license issued on behalf of the owner and the correspondent power of attorney signed by the owner. In the case that the Registrant is REN, documentation must be present to prove that the owner of the production device is receiving support from the feed-in tariff.– Annex II of RED;
- (q) A diagram showing the Production Device, the location of export meters used for metering its generation and of transformer substations at the plant site (if there are generating auxiliaries for the Production Device and/or import meters for metering their demand these shall be also shown on the diagram) – Annex III of RED;
- (r) Brief technical description, including brand and type, of the generation, control and metering equipments and the last audit report regarding the metering equipment, as required by the Guia de Telecontagem do Continente – Annex IV of RED;
- (s) Documents specifying the efficiency, if the generation plant uses bio-mass as primary energy (partially or fully) – Annex V of RED.

## Annex 3 – Energy Source Types and Technology Types

Source	Technology	Type	Code
Wind	Wind turbine	Onshore	01
		Offshore	02
Solar	Photovoltaic		03
	Thermal		04
Energy from water	Hydro power		05
	Tidal energy	Onshore	06
		Offshore	07
	Wave energy	Onshore	08
		Offshore	09
Geothermal			10
Biomass, using gasification and non-gasification technologies	Energy crops		11
	Forestry and agricultural by-products and waste		12
	Biogas	Landfill gas	13
		Sewage gas	14
		Other	15
	Energy from by-products and waste (with varying levels of filtration)	Municipal solid waste	16
Industrial by-products and commercial waste		17	

## Annex 4 – Production/Consumption Declaration

### General

This Production Declaration states the proportion of the actual equivalent electricity production that qualifies for RECS Certificates within this time period. An approved independent Production Auditor must verify sections II to IV of this Production Declaration.

### I. Owner of Production Device/Generator

1. Name of Owner	
2. Name of Registrant, if different	
3. Contact person	

### II. Production Device

1. Production Device reference number	
2. Date of last registration form	
3. The period of production	

### III. The percentage share of the total electricity produced during the associated period of production that is based on each fuel source (electricity from biomass and multiple fuel source Production Devices only)

The share of electricity from each fuel source shall be verified based on information submitted to the administrator of a Public Support scheme, or by a review of documents showing changes in stock and purchased fuels.

It is assumed that the efficiency factor is independent of fuel type. The generator is free to make a separate verification of the efficiency factor.

It is assumed that the percentage share of electricity from renewables is directly proportional to the percentage share of used biomass during the period.

		Fuels in stock, at the beginning of the period	Purchased fuels during the period	Fuels in stock, at the end of the period	Consumption during the period	Average Calorific Value	Energy Source Factor
Period YYYY-MM-DD to YYYY-MM-DD					M <sup>i</sup>	C <sup>i</sup>	L <sup>i</sup>
<b>Biomass</b>							
Energy crops	kg						
Forestry and agricultural by-products and waste (recovered liquor, bark, wood waste, sludge and reject)	kg						

Biogas	kg						
Landfill gas	kg						
Energy from by-products and waste (with varying levels of filtration, municipal solid waste industrial by products and commercial waste)	kg						
Sewage gas	kg						
<b>Total Biomass</b>	kg						
<b>Non biomass</b>					<b>M<sup>i</sup></b>	<b>C<sup>i</sup></b>	<b>L<sup>i</sup></b>
Specify fuel	kg						
<b>Total non-biomass</b>	kg						
<b>Energy Source Factor (in accordance with F2.6)</b>	$L^i = \frac{\sum_j M^i x C^i}{\sum_i M^i x C^i}$						

**IV. The percentage share of the total electricity produced during the associated period of production that is based on the renewable energy sources (electricity from pumped storage hydro only)**

- a. Total electricity generated this period (GWh) \_\_\_\_\_
  - b. Total electricity consumed this period (GWh) \_\_\_\_\_
  - c. Total potential energy resulting from previous period pumping (GWh) \_\_\_\_\_
  - d. Overall efficiency of pumping/generating (%) \_\_\_\_\_
- Total natural inflow derived energy (= a - b/d - c) \_\_\_\_\_ GWh

**V. Verification of the Production Declaration**

The undersigned Production Auditor has reviewed the Production Declaration and has no material reason to doubt the correctness of the data under II-IV.

Name.....

On behalf of ..... Production Auditor

**VI. Number of Certificates**

Proportion of eligible MWh for which certificates are being applied is: \_\_\_\_\_% / \_\_\_\_\_MWh (complete as applicable).

**VII. Signature for the Registrant**

Name .....

On behalf of .....

Date .....

## Annex 5 – Account Application/Amendment Form

Application for account opening/amendment in Portugal for RECS Certificates.

<b>Applicant/Account Holder Name:</b>	
<b>Account Number (if existing):</b>	
<b>Address:</b>	
<b>Primary contact details:</b>	
<b>Name:</b>	
<b>Telephone:</b>	
<b>Email:</b>	
<b>Effective date:</b>	
<b>Authorised personnel</b>	

The applicant/Account Holder requests:

Open new Transferables Account

Open new Redemption Account

Amend authorised personnel on this account to only those shown above

Amend Account Holder contact details

Close account


The applicant agrees to abide by the regulations governing RECS including the provisions and requirements the Domain Protocol for Portugal and the Standard Terms and Conditions of participation.

**Signed** .....


In the position of .....

**Date** .....

## Annex 6 – Redemption Statement



Rede Eléctrica Nacional, S.A.



### Redemption Statement for RECS Certificate

REN- Rede Eléctrica Nacional, S.A as issuing body of RECS certificates for Portugal and in accordance with the *RECS Domain Protocol for Portugal*, states that the following certificates have been redeemed certificates




<b>Account Holder</b>	Data
<b>Address of Account Holder</b>	Data
<b>Account Number</b>	Data
<b>Redemption Date</b>	Data
<b>Redeemed by</b>	Data
<b>Unique Satatement Number</b>	Data
<b>Number of redeemed certificates</b>	Data
<b>Number of MWh represented</b>	Data
<b>Redemption purpose</b>	Data

	Certificate ID	Number of Certificates	Number of MWh Represented	Issuing Date	Production Period
1	From Data to Data	Data	Data	Data	From Data to Data
2	From Data to Data	Data	Data	Data	From Data to Data
3	From Data to Data	Data	Data	Data	From Data to Data

	Production Device ID	Domain of Origin	Certificate Type	Energy Source	Support Type	Additional Remarks by the Issuing Body
1	Data	(Yes/No)	Data	Data	Data	Data
2	Data	(Yes/No)	Data	Data	Data	Data
3	Data	(Yes/No)	Data	Data	Data	Data

With this Redemption Statement the indicated type of Certificate are no longer tradable. Onward sale of this Redemption Statement is prohibited.

REN – Rede Eléctrica Nacional, S.A. (Issuing Body)

Projeto e Construção e Instalação de Transportadores de Energia Eléctrica em Cabo Óptico TransCo



**Legend:**

Certificate Type	Code
RECS	1
Guarantee of Origin of electricity, produced from renewable energy sources	2
EECS Disclosure Certificate	3
Guarantee of Origin of electricity from high efficient cogeneration	4

Energy Source	Technology	Type	Code	
Wind	Wind Turbine	Onshore	01	
		Offshore	02	
Solar	Photovoltaic		03	
	Thermal		04	
Energy from water <sup>1</sup>	Hydro power		05	
	Tidal energy	Onshore	06	
		Offshore	07	
Wave Energy	Tidal energy	Onshore	08	
		Offshore	09	
Geothermal			10	
Biomass, using gasification and non-gasification technologies <sup>2</sup>	Energy crops		11	
	Forestry and agricultural by-products and waste		12	
	Biogas	Landfill gas		13
		Sewage gas		14
		Other		15
	Energy from by-products and waste (with varying levels of filtration) <sup>3</sup>	Municipal solid waste		16
		Industrial by-products and commercial waste		17

<sup>1</sup> Pumped hydro power is excluded

<sup>2</sup> As defined in the Large Combustion Plants Directive and the Waste Combustion Plants Directive

<sup>3</sup> Note that all certificates will only be issued for the non-fossil proportion (i.e. excluding plastics) of energy from by-products and waste

Support Type/ Description	Code
No support	0
Investment support	1
Production support	2
Combination of Investment and Production support	3



