# GoO RES-E Certificates, RECS Certificates and Disclosure Certificates Domain Protocol

# for

# Germany

**Prepared by Oeko-Institut**

**Version 2.0**

# Contents

# 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 life cycle of any of the EECS Scheme Certificates (GoO RES-E, RECS Certificates, Disclosure Certificates) 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 GoO RES-E, RECS Certificates and/or Disclosure Certificates.

(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.

A1.4 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 GoO RES-E, RECS Certificates and Disclosure Certificates as used within this Domain.

A2.2 This Domain Protocol is made binding between the Scheme Participant and Oeko-Institut by agreement in the form of the Standard Terms and Conditions. The duties under this Domain Protocol are owed specifically between Oeko-Institut and the Scheme Participant.

A2.3 The objective is to ensure quality in the robustness and transparency in facilitating GoO RES-E, RECS Certificates and Disclosure Certificates 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 GoO RES-E, RECS Certificates and Disclosure Certificates held within the EECS Registration Database of the German Issuing Body and may only be amended or added to by the German Issuing Body in accordance with section L below.

B1.2 This Domain Protocol for Germany applies to Germany, in conjunction with GoO RES-E, RECS Certificates and Disclosure Certificates held within the EECS Registration Database.

## B2 Responsibility

B2.1 The German Issuing Body is responsible for the operation of the GoO RES-E, RECS Certificates and Disclosure Certificates system for this Domain. In Germany this function is performed by Oeko-Institut.

B2.2 Some of the functions facilitating system operation may be contracted out to approved agents of the German Issuing Body.

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 Scheme Certificates (GoO RES-E, RECS and Disclosure) for that Domain. In Germany this function is performed by Oeko-Institut. In this Domain Protocal, Oeko-Institut is referred to as “German Issuing Body”. However, the role of the Technical Administrator of the CMO database in Germany is performed by Grexel Systems Ltd. In this Domain Protocol, Grexel Systems Ltd. is referred to as “German CMO Technical Administrator”. The charges for accounts and transactions are shown on the website http://www.eecs-germany.de.

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 | the Central Monitoring Office (CMO) is administering the operation of the EECS Registration Database for the purposes of GoO RES-E, RECS Certificates and EECS Disclosure Certificates within Germany. In Germany this function is performed by Oeko-Institut, with the exception of technical support, which is provided by the Technical Administrator of the CMO database; |
| 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 Germany to exercise or discharge that function; |
| Scheme Participant | an Account Holder or a Registrant of a Production Device on the EECS Registration Database for the purposes of GoO RES-E, RECS Certificates and EECS Disclosure Certificates within Germany; |
| 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; |
| EnWG | the Energiewirtschaftsgesetz (Law on the Energy Industry) as of 13 July 2005, in its most recent version; |
| EEG | the Erneuerbare-Energien-Gesetz (Renewable Energy Sources Act), as of 1 August 2004, in its most recent version; |
| Biomass Ordinance | the Biomasse-Verordnung (ordinance issued by the German Federal government pursuant to Article 8 (7) EEG), which defines in detail which types of biomass are eligible for support under the EEG; |
| Technical Administrator of the CMO database | the provider of the database software system. Most of the day to day operations of the CMO are performed by the Issuing Body. However, the Technical Administrator of the CMO database is responsible for technical support; |
| Authorised Auditor | a person or organisation entitled to act as an environmental verifier or environmental verification organisation in the field of electricity production in accordance with the Environmental Audit Act (Umweltauditgesetz), cf. § 17 (1) EEG. Authorised Auditors under this Domain Protocol must also qualify as Production Auditors in order to perform their functions. |

# D Guarantees of Origin (GoO RES-E)

## D1 Scheme Definition

D1.1 The European Parliament and the Council Renewable Energy Directive (2001-77-EC) requires the use of Guarantees of Origin to enable Member States to accurately and reliably guarantee the origin of renewable energy according to objective, transparent and non-discriminatory criteria; and to enable producers of renewable energy to demonstrate this. Such guarantees must be mutually recognised by Member States.

D1.2 Following § 17 (1) of the EEG, GoO RES-E can be issued by Authorised Auditors. This is implemented in this Domain Protocol by requiring a check by an Authorised Auditor prior to the issuing of any GoO RES-E Certificates (see D6.6).

D1.3 The German Issuing Body has been appointed to act as the registration database administrator for GoO RES-E Certificates in Germany. In order to register a GoO RES-E, Production Registrars and Authorised Auditors will collaborate with the German Issuing Body. This will meet the requirements of Directive 2001/77/EC, the EEG and this Domain Protocol.

D1.4 The procedures for GoO RES-E Certificates as defined in this Domain Protocol are not an exclusive implementation of GoO RES-E in Germany. Based on the EEG, there can be other forms of GoO, e.g. as paper documents. Double sale of Green Energy is prevented by the regulations in D6.6 and E6.7.

## D2 Supplementary Definitions

D2.1 This Domain Protocol supplements the terms of the GoO RES-E Scheme as set out in the EEG.

D2.2 An EECS Certificate Issued under the GoO RES-E scheme incorporates the relevant electronic data from one or more GoO RES-E issued under the EEG.

D2.3 Renewable Energy shall have the meaning assigned to it by the Directive (2001-77-EC) and § 3 (1) of the EEG. Electricity produced from Renewable Energy sources is referred to in this document as RES-E.

D2.4 Guarantee of Origin shall have the meaning assigned to it by the Directive (2001-77-EC) and § 17 of the EEG.

D2.5 Renewable Source Factor shall mean in relation to any Production Device and period of time the proportion expressed as a factor of less 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 qualifying criteria for Production Devices are set out in the Directive (2001-77-EC) and § 3 (1) of the EEG and are summarised here. In the event of any differences, the definitions of the Directive take precedence. For the avoidance of doubt it is clarified that GoO RES-E Certificates can only be issued if both the criteria for RES-E from the Directive and the EEG are fulfilled.

(a) All wind turbine devices.

(b) All solar devices.

(c) Energy from water devices except for pumped storage.

(d) All geothermal devices.

(e) Biomass devices as defined in the Renewable Energy Directive, the Large Combustion Plants Directive and the Waste Combustion Plants Directive.

D3.2 For biomass devices deriving energy from waste or by-product sources, only the energy attributable from the non-fossil element will be eligible for Certificates.

D3.3 Electricity produced in pumped storage hydro power plants is not regarded as produced from renewable energy sources. However, if such plants are fed by natural inflow as well as by pumping, then the share of produced electricity is regarded as produced from renewable energy sources, which is derived from natural inflow.

## D4 Support Schemes

D4.1 Support schemes are not directly relevant to the operation of the GoO RES-E scheme in Germany, but support information is held within the EECS Registration Database.

## D5 Certificate Face Values

D5.1 GoO RES-E Certificates can be Issued with the following Face Values:

(a) 1MWh

## D6 Issuing of GoO RES-E Certificates

D6.1 This section is supplemental to the provisions of section I below.

D6.2 Where a Production Device only produces RES-E, the amount of RES-E determined for the purposes of GoO RES-E Certificates 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 GoO RES-E Certificates 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 GoO RES-E 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 Before GoO RES-E Certificates are issued, the Registrant of a Production Device must clearly indicate the number of kWh sold or otherwise consumed as green or renewable electricity without the adequate use of the corresponding EECS Certificates (including such consumption by an autoproducer and electricity for which other tradable evidence of the production of electricity from qualifying energy sources has been or will be issued). For any such electricity, no EECS Certificates will be issued (see also Annex 4 – Production/Consumption Declaration, Sections VII and IX). This must ensure that the GoO RES-E Certificates issued can provide unique and exclusive evidence of the production of RES-E.

D6.6 Before GoO RES-E Certificates are issued, the Production Declaration (see H2.1) must be verified by an Authorised Auditor, which in this case also performs the function of the Production Auditor.

## D7 Information content of GoO RES-E Certificates

D7.1 In case of electricity produced from biomass, the GoO RES-E Certificates must specify whether or not the biomass used complied fully with the requirements of the Biomass ordinance (cf. § 17 (2) No. 2 EEG).

D7.2 Any GoO RES-E must specify to which extent the underlying electricity has been supported by payments following §§ 5 to 12 EEG (cf. § 17 (2) No. 4 EEG). Each GoO RES-E Certificate will carry an indication of “production support”, if such payment has been received for the underlying generation (see D9.1 below on the immediate redemption of such certificates). If no such payment has been received for the underlying generation, but has been received for previous generation from the same Production Device, then each GoO RES-E Certificate will carry an indication of “investment support” (cf. PRO Fact Sheet 3 – Types of public support).

## D8 Information content of GoO RES-E Redemption Statements

D8.1 Following § 17 (2) No. 3 EEG, any GoO RES-E must specify the name and address of the plant operator. This is implemented in the GoO RES-E scheme by adding this information on the Redemption Statement for GoO RES-E Certificates which have been issued in Germany. For GoO RES-E Certificates, this information is not contained explicitly on the certificate, but it is recorded in the CMO database.

D8.2 Following § 17 (2) No. 5 EEG, any GoO RES-E must specify the location, the capacity and the date of commissioning of the plant. This is implemented in the GoO RES-E scheme by adding this information on the Redemption Statement for GoO RES-E Certificates which have been

issued in Germany. For GoO RES-E Certificates, this information is not contained explicitly on the certificate, but it is recorded in the CMO database.

### D9 GoO RES-E Certificates and support from EEG

D9.1 If GoO RES-E Certificates are issued for electricity which has been supported by payments following §§ 5 to 12 EEG, then the registration database administrator for GoO RES-E will redeem the respective certificates immediately after issuing (cf. § 18 (2) EEG). Transfers of these certificates prior to their redemption are not allowed. This redemption does not require prior consent nor an explicit request for redemption from the owner of the respective Transferables Account. The Redemption Statement will specify that EEG support was the reason for redemption.

# E Renewable Energy Certificate System (RECS)

### E1 Scheme Definition

E1.1 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.

E1.2 The German Issuing Body has been appointed by decision of the German market players, represented by RECS Deutschland e.V., to act as the registration database administrator for RECS Certificates in Germany.

### E2 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 than one of the Net Electrical Energy Generation of that Production Device which is RES-E in accordance with the qualifying criteria set out in E3 below, as specified in the Production Declaration for that Production Device with respect to the period over which the electricity was generated. |

### E3 Qualifying Criteria

E3.1 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 **(**being Electricity produced from Renewable Energy which has the meaning assigned to it by the Directive 2001/77/EC**)**; 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.

E3.2 Qualifying energy must be RES-E (being Electricity produced from Renewable Energy which has the meaning assigned to it by the Directive 2001-77-EC).

E3.3 Electricity produced in pumped storage hydro power plants is not regarded as RES-E. However, if such plants are fed by natural inflow as well as by pumping, then the share of produced electricity is regarded as RES-E, which is derived from natural inflow.

E3.4 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.

E3.5 To ensure maintenance of the Qualifying Criteria, a Production Audit will be conducted in relation to each Production Device in Germany 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.

## E4 Support Schemes

E4.1 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 under the section: Association – Documents – Regulation – PRO.

E4.2 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.

E4.3 The Registrant of a Production Device must notify the German Issuing Body whether, and if so what type of, Public Support has been, or is due to be, received by the Production Device.

E4.4 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 the German Issuing Body on application for registration.

## E5 Certificate Face Values

E5.1 RECS Certificates can be issued with the following Face Values:

(a) 1MWh

## E6 Issuing of RECS Certificates

E6.1 This section is supplemental to the provisions of section I below.

E6.2 Where a Production Device only produces RES-E in accordance with the qualifying criteria set out in E3 above, 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.

E6.3 Where a Production Device produces RES-E in accordance with the qualifying criteria set out in E3 above and electricity which is not in accordance with the qualifying criteria set out in E3 above, 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.

E6.4 RECS Certificates can be issued in respect of output up to the entirety of the RES-E output of a Production Device in accordance with the qualifying criteria set out in E3 above in any period.

E6.5 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.

E6.6 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.

E6.7 Before RECS Certificates are issued, the Registrant of a Production Device must clearly indicate the number of kWh sold or otherwise consumed as green or renewable electricity without the adequate use of EECS certificates (including such consumption by an autoproducer and electricity for which other tradable evidence of the production of electricity from qualifying

energy sources has been or will be issued). For any such electricity, no EECS Certificates will be issued (see also Annex 4 – Production/Consumption Declaration, Sections VII and IX). This must ensure that the RECS Certificates issued can provide unique and exclusive evidence of the production of RES-E.

### E7 RECS Certificates and support from EEG

RECS Certificates will not be issued for electricity generation which has been supported by payments following §§ 5 to 12 EEG. If no such payment has been received for the underlying generation, but has been received for previous generation from the same Production Device, then each RECS Certificate will carry an indication of "investment support" (cf. PRO Fact Sheet 3 – Types of public support).

# F EECS DISCLOSURE CERTIFICATES

## F1 Scheme Definition

F1.1 The European Parliament and the Council Renewable Energy Directive (2003-54-EC) requires electricity retailers to disclose the fuel mix of their sources of electricity. EECS Disclosure Certificates provide an auditable evidential mechanism for the transfer of generation attributes between generators and retailers. EECS Disclosure Certificates can be applied to all forms of electricity production.

F1.2 In Germany, disclosure is implemented in § 42 of the Energiewirtschaftsgesetz (EnWG), as of July 2005).

F1.3 The German Issuing Body has been appointed by decision of the German market players, represented by RECS Deutschland e.V., to act as the registration database administrator for EECS Disclosure Certificates in Germany.

## F2 Supplementary Definitions

F2.1 This Domain Protocol supplements the terms of Disclosure as set out in the EnWG.

F2.2 In addition to EECS Disclosure Certificates, RECS Certificates and GoO RES-E Certificates may also be used for purposes of Disclosure. In order to avoid double counting, only one EECS certificate can be issued for any instance of generation. Depending on the plant registration, the certificates can carry associations to one or several EECS schemes (see G1.5 below).

F2.3 Use of Certificates issued under one or several EECS Schemes is not the exclusive mechanism for the allocation of generation attributes for purposes of Disclosure. Double counting of attributes contained in EECS certificates issued in Germany is prevented by regulations in sections D6.6, E6.7 and F7.6 as well as the corresponding declaration by the registrant in the Registration Form (Annex 2).

## F3 Qualifying Criteria

F3.1 The qualifying criteria for Production Devices are:

(a) the Production Device is capable of generating electricity;

(b) the metering arrangements for the electrical inputs and outputs of the Production Device (including electrical energy consumed in storing energy for use by that Production Device) satisfy the legislative and administrative requirements applicable in Germany (including the requirements of this Domain Protocol);

(c) the Production Device satisfies the legislative and administrative requirements applicable in Germany (including the requirements of this Domain Protocol).

F3.2 EECS Disclosure Certificates will not be issued for:

(a) any electrical energy which has been found not to be generated from the energy source claimed by the Registrant of the Originating Production Device; or

(b) any Production Device which is not registered for the purposes of EECS Disclosure Certificates in the EECS Registration Database; or

(c) any electrical energy, of which the measured value has not been collected and determined by an Authorised Measurement Body.

(d) any electrical energy which has been sold or otherwise consumed as electricity produced from a certain fuel source without the use of EECS Certificates. Such sale or consumption has to be indicated by the Registrant of a Production Device according to Section F7.6 below.

F3.3 Subject to G3 below, the qualifying period of registration for the purposes of Disclosure Certificates shall be not more than five years. The Registrant must re-apply for registration of the Production Device before the expiry of the qualifying period.

## F4 Support Schemes

F4.1 Support schemes are not directly relevant to the operation of the EECS Disclosure Certificate scheme in Germany, but support information for each Production Device is held within the EECS Registration Database.

## F5 Certificate Face Values

F5.1 EECS Disclosure Certificates can be issued with the following Face Values:

(a) 1MWh

## F6 Multiple Fuel Production Devices

F6.1 Where the calculation for Energy Source Factor (see Section H2.7 below) refers to qualifying fuel sources, each individual fuel type must be treated separately such that the Energy Source Factor for each individual fuel is calculated correctly.

## F7 Issuing of EECS Disclosure Certificates

F7.1 This section is supplemental to the provisions of section I below.

F7.2 Where a Production Device only produces electricity from only one single fuel source as listed in Annex 3 (Disclosure), the amount of electricity determined for the purposes of EECS Disclosure Certificates as having been produced by a Production Device shall be the amount of Net Electrical Energy Generation produced by that Production Device.

F7.3 Where a Production Device produces electricity from different fuel sources as listed in Annex 3 (Disclosure), the amount of electricity produced from each single fuel source determined for the purposes of EECS Disclosure Certificates 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 respective Energy Source Factor.

F7.4 Where a Production Device produces electricity from different fuel sources as listed in Annex 3 (Disclosure), EECS Disclosure Certificates will be issued separately for the amount of electricity produced by each single fuel source.

F7.5 EECS Disclosure Certificates can be issued in respect of output up to the entirety of the electricity output from the respective fuel source of a Production Device in any period.

F7.6 Before EECS Disclosure Certificates are issued, the Registrant of a Production Device must clearly indicate the number of kWh sold or otherwise consumed as electricity produced from a certain fuel source without the use of EECS Certificates (including such consumption by an autoproducer and electricity for which other tradable evidence of the production of electricity from qualifying energy sources has been or will be issued). For any such electricity, no EECS Certificates will be issued (see also Annex 4 – Production/Consumption Declaration, Sections

VII and IX). This must ensure that the EECS Disclosure Certificates issued can provide unique and exclusive evidence of the production of the respective electricity.

### F8 EECS Disclosure Certificates and support from EEG

F8.1 EECS Disclosure Certificates must not be issued for electricity generation which has been supported by payments following §§ 5 to 12 EEG. If no such payment has been received for the underlying generation, but has been received for previous generation from the same Production Device, then each EECS Disclosure Certificate will carry an indication of “investment support” (cf. PRO Fact Sheet 3 – Types of public support).

# G PARTICIPATION AND REGISTRATION

### G1 Scheme Participation

G1.1 Any legal person who is not a member of the Association of Issuing Bodies or such member’s affiliate or agent can be a Participant of one or several EECS Schemes.

G1.2 The application form to open an Account can be found in Annex 5 and on the website www.eecs-germany.de.

G1.3 The GoO RES-E, RECS and/or EECS Disclosure Scheme Participant must contract with the German Issuing Body under the Standard Terms and Conditions.

G1.4 The German Issuing Body will issue each authorised user with an identification and password to enable secure communications. It is the responsibility of the Scheme Participant to keep such identification secret.

G1.5 Provided that the registration process is completed successfully, one (1) EECS Certificate shall be issued for each one MWh (or multiple thereof) of electricity generated by that Production Device by a single qualifying fuel source. That Certificate shall state all EECS Schemes under which it was issued.

G1.6 If the Scheme Participant communicates in public his activities in applying the EECS System with explicit reference to the role of the German Issuing Body for EECS Certificates in Germany, he shall coordinate the communication with the German Issuing Body in advance. The Scheme Participant shall also cooperate with the German Issuing Body so that clients of the Scheme Participant coordinate their public communication accordingly with the German Issuing Body.

### G2 Registration of a Production Device

G2.1 Only the owner of a Production Device, or a Registrant duly authorised by the owner, may register a Production Device, which is located in Germany in the EECS Registration Database.

G2.2 The Registrant of the Production Device must provide evidence to the satisfaction of the German Issuing Body that it has the appropriate authority to register the Production Device and that it can comply with the requirements of (a) all EECS Schemes under which Certificates shall be issued for the Generation of the Production Device and (b) this Domain Protocol with respect to the imposition of duties on the owner and/or operator of the Production Device.

G2.3 An applicant registering a Production Device must provide the following information:

(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; if the applicant is not the owner of the Production Device, then the name and address of the owner of the Production Device must be provid ed as well;

(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 the consumption of these auxiliaries are not determined by an Export Meter, details of Import Meter(s) which determine the totality of 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 the German Issuing Body;

(n) a diagram of that Production Device, including details on 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) a scheme describing how the amount of Net Electrical Energy Generation produced by that Production Device shall be calculated from meter readings;

(p) a specification whether the Production Device is eligible for support under the EEG (in case of biomass plants under the provision that appropriate biomass is used).

G2.4 The registration form containing all the items listed in G2.3 above can be found in Annex 2 to this Domain Protocol. All information concerning the Production Device has to be entered by the Registrant on the website http://www.grexcmo.com

G2.5 The Registrant must have the information in the registration form verified by a Production Registrar (see K2.1 below) as part of the approval process.

G2.6 The Qualifying Criteria for a Production Device within the applicable EECS Scheme or Schemes are given in the respective chapters above (D3 above, E3 above, F3 above).

G2.7 The Registrant must warrant that the information provided to the German Issuing Body in connection with its application is complete and accurate and that the Production Device meets the qualification criteria for the respective EECS Scheme(s).

G2.8 The Registrant must also provide details of any payments (other than payments arising from the sale of one or several EECS 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 sections D4.1, E4.1 and F4.1 for the respective EECS Schemes..

G2.9 The German Issuing Body will respond to the application within 10 (ten) working days from its receipt.

G2.10 Where the Production Device is already accredited to another EECS Scheme or legislative support scheme, the German Issuing Body may determine that part or all of the verification of this application is not required.

G2.11 An application for the registration of a Production Device for the purposes of EECS Certificates 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 the consumption of which are not determined by an 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.

G2.12 On successful completion of the registration process, the German Issuing Body 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.

G2.13 The Registrant consents to the publication by the German Issuing Body or its German CMO Technical Administrator 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 http://www.grexcmo.com 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.

However, as specified in D8.1 above, the name and address of the Production Device's owner must be included in the Redemption Statements for GoO RES-E Certificates issued in the Domain of Germany.

## G3 Changes in Registered Details

G3.1 The Registrant of a Production Device must notify the German Issuing Body 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 the respective EECS Scheme or Schemes ceasing to be satisfied with respect to that Production Device.

G3.2 On receipt of a change of details notification (following an inspection or otherwise), the German Issuing Body 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.

G3.3 Where the German Issuing Body 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 shown that the Production Device no longer qualifies for the respective EECS Scheme or Schemes 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.

## G4 Withdrawing from the Scheme - Closing an Account

G4.1 The Account Holder must notify the German Issuing Body of an intent to close his account using the form shown in Annex 5. The effective date of closure must not be less than 10 (ten) working days from the date of receipt by the German Issuing Body.

G4.2 The German Issuing Body will amend the EECS Registration Database to seal that Account as of the effective date on the request or 10 (ten) working days from the date of receipt by the German Issuing Body whichever is the later.

G4.3 Unless specified explicitly otherwise, due to its withdrawal from the scheme, the Account Holder is not entitled for any refund of fees paid to or owed to the German Issuing Body or RECS Deutschland e.V., for the calendar year in which the withdrawal takes place.

## G5 Withdrawing from the Scheme - Deregistering a Production Device

G5.1 The Registrant must notify the German Issuing Body of an intent to deregister his Production Device in writing. The effective date of deregistration must not be less than 10 (ten) working days from the date of receipt by the German Issuing Body.

G5.2 Unless specified explicitly otherwise, due to the deregistration of a Production Device the Registrant is not entitled for any refund of fees paid to or owed to the German Issuing Body or RECS Deutschland e.V., for the calendar year in which the deregistration takes place.

## G6 Withdrawing from the Scheme - Registration Expiry

G6.1 Unless otherwise directed by legislation identified in D1, E1 and F1 above, the registration of a Production Device as qualifying for the respective EECS Scheme or Schemes in the EECS Registration Database will expire after five (5) years. The German Issuing Body will amend with immediate effect the relevant records in the EECS Registration Database to indicate that the Production Device no longer qualifies for the respective EECS Scheme or Schemes.

G6.2 The Registrant may avoid expiry by successfully completing re-registration of the relevant Production Device as set out in section G2 above. Following expiry, the Registrant may apply for re-registration of the relevant Production Device.

# H PRODUCTION DATA

## H1 Metering

H1.1 Only Production Devices that are equipped with metering equipment that complies with the relevant regulations for the trading of electricity 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.

H1.2 Unless determined under the regulations according to H1.1 above, the metering Measurement Frequency shall be no more than twelve-monthly.

## H2 Data Provision

H2.1 If the Registrant wishes to receive EECS Certificates issued under one or several EECS Scheme(s) for his Production Device in an issuing period, he must submit a Production Declaration for this Production Device to the German Issuing Body at least once in any 12 (twelve) month period. Production Declarations shall be submitted no later than six months after the end of the production period.

H2.2 The Production Declaration form can be found in Annex 4 to this Domain Protocol.

H2.3 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 K3 below).

H2.4 Production Declarations are subject to verification by a Production Auditor (see K1 below) on a random and periodic basis.

H2.5 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) The German Issuing Body shall (provided that the respective EECS Certificates are, at the time of such Withdrawal, in the Transferables Account of that Registrant) withdraw those Certificates; and

(b) the Registrant shall pay the German Issuing Body the cost of securing the agreement of another Account Holder to the Withdrawal of the respective EECS Certificates of the same type from that other Account Holder's Transferables Account,

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

H2.6 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).

H2.7 A person submitting a Production Declaration (See Annex 4) in accordance with H2.3 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.

H2.8 In some cases, additional information is required by the issuer to ensure that the number of Certificates issued correctly represents the qualifying energy that was metered. These cases, and the additional information required is set out below:

(a) In case of pumped storage hydro power plants with additional natural inflow, the fraction of produced electricity, which is derived from natural inflow, must be proven by a Production /Consumption Declaration (Annex 4).

(b) In case of use of multiple fuel Production Devices, the fraction of produced electricity must be proven separately for each of the fuels used within the Production Period by a Production /Consumption Declaration (Annex 4).

# I PROCESSING OF CERTIFICATES

## I1 Issuing for Transfer

I1.1 EECS 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 Germany;

(ii) registered in the EECS Registration Database of the German Issuing Body as qualifying for one or several EECS Certificate Schemes and

(iii) the Registrant of which does not have any outstanding fees payable to the German Issuing Body or its agents in conjunction with one or several EECS Certificate Schemes ;

(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 one or several EECS Certificate Schemes, provided the last day on which the measured energy output was generated is not more than:

(i) thirteen (13) calendar months after the first day on which the measured energy output was generated; and

(ii) twelve (12) calendar months before the date of issue of any related EECS certificates; and

(c) to an Account Holder who does not have any outstanding fees payable to the German Issuing Body or its agents in conjunction with one or several EECS Certificate Schemes; and

(d) energy output in respect of which (save to the extent permitted under sections I4 to I5 below) no other Certificate, of any variety, has been, or is being, issued.

I1.2 Subject to I1.1 above the respective EECS Certificates are issued against energy data submitted in accordance with H2.1 to H2.4 above, if nothing else is agreed between the issuer and the Registrant.

I1.3 The demand for issuing of EECS Certificates must be made in the form of a Production Declaration (see Annex 4). Where a Production Device produces electricity from different qualifying fuel types or from pumped hydropower, any Production Declaration must be associated with a Consumption Declaration, which covers the same reporting period, and which allows to determine the respective Energy Source Factor for the respective production period.

I1.4 When submitting a Production Declaration, the Registrant must clearly indicate the number of kWh sold or otherwise consumed as electricity associated with one or several attributes of electricity generation covered by any of the EECS Schemes without the adequate use of the corresponding EECS certificates (including such consumption by autoproducers and electricity for which other tradable evidence of the production of electricity from qualifying energy sources has been or will be issued; see sections D6.5, E6.7 above and F7.6 above). For any such electricity, no EECS Certificates will be issued (see also Annex 4 – Production/Consumption Declaration, Sections VII and IX). This must ensure that the certificates issued based on the Production Declaration can provide unique and exclusive evidence of the production of electricity from particular energy sources as specified in the Principles and Rules of Operation.

I1.5 Only persons duly authorised by the Registrant may request the issue of EECS Certificates in relation to the output of that Production Device.

I1.6 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 Certificate under any of the EECS Schemes is issued in respect of the same qualifying energy output.

I1.7 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 at the end of every issuing period and the Account Holder will be notified accordingly.

I1.8 The respective EECS Certificates shall be issued in such format as may be determined by AIB from time to time.

I1.9 An EECS 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.

## I2 Transfer

I2.1 An Account Holder for one or several EECS Certificate Schemes can hold respective Scheme Certificates in an account within the EECS Registration Database for Germany.

On request the CMO will open an account within 10 (ten) working days. The account will be uniquely identified by a number and a name.

I2.2 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 in another Domain through the website http://www.grexcmo.com.

I2.3 Only persons duly authorised by the Account Holder may request the transfer of Scheme Certificates under one or several EECS Schemes out of that Account Holder's Transferables Account. Authorised persons must be identified on the account application form (see Annex 5).

I2.4 Where a Transfer Request is received with respect to one or more Scheme Certificates held in a Transferables Account on its EECS Registration Database, the German Issuing Body will, having confirmed that the Transfer Request is valid:

(a) remove from that Transferables Account the details of the Scheme 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 Scheme Certificate(s) referred to in (a) above in the Transferee's Transferables Account;

(ii) confirm, to the Transferor, the identity of the Scheme Certificate(s) so transferred and any Scheme 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 Scheme Certificate(s) 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 I2.7 below, send the full details of the Scheme Certificate(s) 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 Scheme Certificate(s) and, where appropriate as a result of the operation of I2.7 below, 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 Scheme Certificate(s) so transferred and of any split in connection with such transfer by reference to their unique identifying numbers and Face Values.

I2.5 Where the German Issuing Body is notified by another EECS Registration Database operator of a Transfer Request including details of a Scheme Certificate under one or several EECS Schemes which are consistent with the Transfer Criteria for the respective EECS Scheme(s) together with the account number for a Transferables Account on its own EECS Registration Database, it will:

(a) insert the full details of that Scheme 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 Scheme Certificate has been completed; and

(c) confirm, to the Transferee, that such Scheme Certificate has been transferred by reference to its unique identifying number and Face Value.

I2.6 Where the German Issuing Body is notified by another EECS Registration Database operator of a Transfer Request involving a Scheme Certificate which does not satisfy the Transfer Criteria for one or several of the respective Scheme 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, the German Issuing Body will use reasonable endeavours to exchange information such that the Scheme Certificate can be rendered compliant with the respective Scheme Certificates for Germany or the correct account number identified (as the case may be), failing which:

(a) the full details of the Scheme 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 Scheme Certificate is no longer recorded as having been exported; and

(b) all details of the Scheme Certificate shall be removed from the other EECS Registration Database.

I2.7 Where:

(a) the German Issuing Body receives a Transfer Request in respect of an EECS 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 either GoO RES-E or RECS Certificates or Disclosure Certificates,

the details of the Scheme Certificate referred to in I2.4(c)(ii) will be amended to remove any identifier indicating that the certificate is a certificate under any scheme which is not supported by the registry, in which the Transferee's Transferables Account is held.

I2.8 The CMO will process a transfer request within the following deadlines:

(a) A request for transferral of Scheme Certificates to an account in the same EECS Registration Database will be executed within 5 (five) working days.

(b) On a request for transferral of Scheme Certificates to an account in a different EECS Registration Database, the export message will be sent to the receiving CMO within 5 (five) working days.

(c) On receiving an export message, the CMO will execute that message within 5 (five) working days.

(d) A request for transferral of Scheme Certificates to an account in a Registration Database that is outside the EECS network will not be executed, unless a specific agreement to do so between the German Issuing Body and all concerned parties has been reached. In that case, the deadline for such transferral will be determined by mutual consultation.

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.

I2.9 The Account Holder is required to retain all records to which he has had access relating to Scheme Certificates for a period not less than 10 years or such longer period as required by national legislation.

## I3 Redemption

I3.1 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 Scheme Certificate cannot be moved to any other account.

I3.2 Only persons duly authorised by the Account Holder may request the redemption of Scheme Certificates out of that Account Holder's Transferables Account and into its Redemption Account. The request is given electronically through the web site http://www.grexcmo.com.

I3.3 A redemption request can be made by a person duly authorised by the Account Holder to transfer Scheme Certificates out of that Account Holder's Transferables Account and into the Redemption Account of a Redeeming Body. In order to be valid, the redemption request must specify a clearly understandable redemption purpose, which usually consists of a period in time and the names of an electricity product and the respective supplier or the name of a final customer (e.g. "Ökostrom – Stadtwerke Musterstadt AG, 2006"). If no sufficient redemption purpose is indicated, the redemption will be rejected by the German Issuing Body; the Scheme Certificates will be re-transferred to the Account Holder's Transferables Account.

I3.4 On receipt of valid redemption request, the German Issuing Body will:

(a) remove the details of that Scheme Certificates from that Transferables Account;

(b) insert the details of that Scheme Certificates 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 Scheme Certificates' Redemption Statement certifying that it has been redeemed; and

(c) provide details of the redeemed Scheme Certificate to the Redeeming Body and its auditors where requested to do so.

I3.5 A request for redemption of a Scheme Certificate will be executed within 5 (five) working days.

I3.6 On request from an Account Holder, the German Issuing Body will produce a standard format, non-transferable, Redemption Statement within 10 (ten) working days. The request must be sent by Email to the German Issuing Body and should include the following details:

(a) The date on which the corresponding redemption request has been made, and the number of 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.

I3.7 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.

I3.8 Account Holders shall not claim the value of EECS Certificates either for themselves or on behalf of any other party without adequate Redemption of the EECS Certificates. This is to ensure that EECS Certificates are only used in full compliance with all EECS regulations on transparency and reliability.

## I4 Withdrawals

I4.1 The German Issuing Body may withdraw a Scheme 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 EECS Certificates schemes, thereby cancelling it.

## I5 Errors

I5.1 Where an error is introduced (subsequent to its Issue) into, or with respect to, a Scheme 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,

the German Issuing Body will correct the error in or with respect to that Scheme Certificate and any errors replicated in Scheme Certificates split from it, provided that no such Scheme Certificate has been transferred out of that Transferables Account.

I5.2 The German Issuing Body may withdraw or alter a Scheme 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.

I5.3 The German Issuing Body may alter a Scheme 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 Scheme Participant of one or several EECS Schemes 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.

## I6 Delegation of tasks

I6.1 The German Issuing Body may delegate part of the tasks described above to the Technical Administrator of the CMO database. However, it remains the final responsibility of the German Issuing Body that these tasks are performed correctly.

# J MONITORING AND REPORTING

## J1 Monitoring

J1.1 The Registrant, on behalf of the owner and operator, of a Production Device must permit the German Issuing Body, 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 J1, including, if so required, without prior notice. Refusal to permit such access may be considered a breach of the Standard Terms and Conditions.

J1.2 The German Issuing Body, 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.

J1.3 The period between inspections of a Production Device under J1.2 above will not exceed 5 years. The German Issuing Body 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 J1.2 above. See also K1.6 below.

J1.4 The German Issuing Body, 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.

## J2 Activity Reporting

J2.1 In order to maintain an open and orderly market, the German Issuing Body has a duty to publish information in relation to the activities of that market.

J2.2 Each Production Auditor will report to the German Issuing Body every 6 months specifying the auditing measures it has carried out in the preceding 6 months.

J2.3 The German Issuing Body will publish an activity report no less than once every three months on the number of Scheme 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.

J2.4 The 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 Databases.

J2.5 The annual report referred to J2.4 above shall specify any institutional, structural, and legal impediments to the efficient functioning of the EECS Schemes within Germany.

## J3 Exception Reporting

J3.1 Where as a consequence of an inspection conducted pursuant to J1 above, the German Issuing Body 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, the German Issuing Body will:

(a) take such action as is necessary to secure that Scheme 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 the German Issuing Body 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.

J3.2 The German Issuing Body 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 the German Issuing Body is aware and which, in its reasonable opinion, amounts to a breach of Competition Law, or applicable law governing the conduct of financial markets.

J3.3 The German Issuing Body will also notify the AIB of any report made by it under J3.1 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.

# K AGENTS AND MEASUREMENT BODIES

## K1 Production Auditor

K1.1 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.

K1.2 The Production Auditor is an approved agent of the German Issuing Body. The full list of approved Production Auditors is given on the website http://www.eecs-germany.de.

K1.3 To be a Production Auditor, the company must gain approval from the German Issuing Body. The operation of the Production Auditor is under the control of the German Issuing Body and the Association of Issuing Bodies.

K1.4 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.

K1.5 The Production Auditor will receive information about the issued Scheme Certificates from the German Issuing Body 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, and information about electricity being sold or consumed as green or renewable electricity to identify any potential abnormalities.

K1.6 The Registrant, on behalf of the owner and operator, of a Production Device must permit the German Issuing Body, or a Production Auditor as its agent, to access the Production Device or records associated with it, its energy output and sources of energy and contracts for sale or otherwise consumption of electricity as green or renewable electricity when conducting inspections in accordance with section K1.5 above.

K1.7 The Production Auditor will report any discrepancies from the registered information to the German Issuing Body as soon as possible.

K1.8 A Production Auditor may also perform the role of Production Registrar.

## K2 Production Registrar

K2.1 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. The German Issuing Body must verify the application, but can delegate the activity to a Production Registrar as his approved agent.

K2.2 The full list of authorised Production Registrars is given on the website http://www.eecs-germany.de.

K2.3 The structure of charges to the applicant for this service and verification timings for each Production Registrar are shown on the website http://www.eecs-germany.de.

K2.4 The Registrant, on behalf of the owner and operator, of a Production Device must permit the German Issuing Body, 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 K2.1 above.

K2.5 A Production Registrar may also perform the role of Production Auditor.

## K3 Measurement Body

K3.1 A Measurement Body is an organisation responsible for the collection of metering data relating to the output of the Production Device.

K3.2 In Germany, all Transmission and Distribution System Operators in the electricity market are regarded as Measurement Bodies.

# L MODIFICATIONS

## L1 Modifications to this Domain Protocol

L1.1 The Scheme Participant may propose a modification to this Domain Protocol;

L1.2 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 the German Issuing Body.

L1.3 On receipt of such a request, the German Issuing Body 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 Scheme Participants of the respective EECS Scheme within Germany;

(c) Decide whether the request and its consequences are in its opinion reasonable;

(d) Inform the other Scheme Participants of the respective EECS Scheme within Germany the outcome of this decision.

L1.4 The German Issuing Body may make such modifications to this Domain Protocol as are in its opinion necessary to the effective and efficient operation of the market.

L1.5 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.

L1.6 Implementation of modifications will be notified by email to the Scheme Participant and will take effect on publication of the documentation on the website http://www.eecs-germany.de.

# M ASSOCIATION OF ISSUING BODIES

## M1 Membership

| | |
|---|---|
| M1.1 | The German Issuing Body 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 EECS Certificates. |
| M1.2 | In order to maintain the quality standard across the entire EECS network, all AIB members are subject to audit and periodic peer review. |
| M1.3 | In the event of the German Issuing Body or one of its agents failing to maintain the quality standard, there may be a suspension of EECS Certificate issuing and/or international transfers into or out of Germany. |
| M1.4 | Should the German Issuing Body decide to withdraw from AIB membership in respect of any of the EECS Schemes in Germany, it will give notice in writing to the Scheme Participant in accordance with the Standard Terms and Conditions. |

# Annex 1 – Contacts List

**German Issuing Body**

See website http://www.eecs-germany.de.

**German CMO Technical Administrator**

See website http://www.eecs-germany.de.

**Production Registrars**

See website http://www.eecs-germany.de.

**Production Auditors**

See website http://www.eecs-germany.de.

# Annex 2 – Registration Form

Please fill in and tick appropriate boxes.

| | | | | | |
|---|---|---|---|---|---|
| **Registrant of Production Device** | | | | | |
| Registrant is also Owner of Production Device: | ❑ (yes) | ❑ (no) | Declaration of changes[1] | ❑ (yes) | ❑ (no) |
| Name: | | Contact person: | | | |
| Street: | | | | | |
| City: | | Postal code: | | | |
| Country: | | | | | |
| e-mail: | Phone #: | | Fax #: | | |
| Issuing Body: | | ERD[2] account #[3]: | | | |
| **Owner of Production Device** (if not identical with Registrant of Production Device) | | | | | |
| Name: | | Contact person: | | | |
| Street: | | | | | |
| City: | | Postal code: | | | |
| Country: | | | | | |
| e-mail: | Phone #: | | Fax #: | | |
| **Production Registrar and Production Auditor** | | | | | |
| Name: | | Contact person: | | | |
| Street: | | | | | |
| City: | | Postal code: | | | |
| Country: | | | | | |
| e-mail: | Phone #: | | Fax #: | | |
| **Production Device** | | | | | |
| Street: | | | | | |
| City: | | Postal code: | | | |
| Country: | | | | | |
| Grid reference: | | ID for meter readings: | | | |
| Production Device is connected directly to the grid: | | | ❑ (yes) | ❑ (no) | |
| If the Production Device is *not* connected directly to the grid, specify the circumstances, and additional relevant meter registration numbers: | | | | | |
| Installed capacity, MW: | | Date of commissioning: | | | |

| **Energy sources** | | | | | |
|---|---|---|---|---|---|
| Wind – onshore | ❑ | Hydro – conventional | ❑ | Geothermal | ❑ |
| Wind – offshore | ❑ | Hydro – pumped storage | ❑ | Tidal - onshore | ❑ |
| Solar- photovoltaic | ❑ | Wave - onshore | ❑ | Tidal - offshore | ❑ |
| Solar – thermal | ❑ | Wave - offshore | ❑ | Landfill gas | ❑ |
| Energy crops | ❑ | Municipal waste | ❑ | Sewage gas | ❑ |
| Forestry/agricultural waste | ❑ | Industrial waste | ❑ | Other non-fossil | ❑ |
| Coal | ❑ | Peat | ❑ | Natural Gas | ❑ |
| Fuel Oil | ❑ | Orimulsion | ❑ | Nuclear | ❑ |
| Chemical industrial gases | ❑ | Other fossil | ❑ | | |

| **Public Support schemes** | | | | |
|---|---|---|---|---|
| Investment support | | Production support: | Currently used | Previously used |
| 100,000 PV Roofs Programme | ❑ | Erneuerbare-Energien-Gesetz | ❑ | ❑ |
| Other Investment support | ❑ | Stromeinspeisungs-gesetz | ❑ | ❑ |
| | | Other production support | ❑ | ❑ |
| Production Device is generally eligible for support under the EEG | | | | ❑ |

| **EECS Scheme** | |
|---|---|
| RECS | ❑ |
| Guarantee of Origin of electricity, produced from renewable energy sources | ❑ |
| EECS Disclosure Certificate | ❑ |
| Guarantee of Origin of electricity from high efficient cogeneration | ❑ |

[1] Highlight changed data on declaration of changes.

[2] ERD = EECS Registration Database.

[3] Optional.

| **Further Information provided with this Registration Form:** | |
|---|---|
| Details of Export Meter(s) | ❑ |
| Details of generating auxiliaries associated with Production Device | ❑ |
| if yes: Details of Import Meter(s) which determine totality of electricity consumption of Production Device | ❑ |
| Diagram of Production Device indicating the location of relevant devices (see G2.3 (n)) | ❑ |
| Scheme describing how the amount of Net Electrical Electricity Generation can be calculated from meter readings | ❑ |

**Authorised personnel**

| **Name** | **Contact details** |
|---|---|
| | |
| | |
| | |

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

- The Registrant is either the owner of the Production Device or is authorised by the owner of the Production Device, which is the object of this registration form to so register that Production Device for one or several EECS Schemes in Germany.
- The electrical energy produced by the Production Device is produced according to the Qualifying Criteria set out in the respective Section of the Domain Protocol for any of the relevant EECS Schemes (D3 for GoO RES-E; E3 for RECS Certificates, F3 for EECS Disclosure Certificates) in Germany 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 Registrant may not request the issuance of EECS Certificates for electrical energy that has been or will be sold or otherwise consumed as being associated with one or more attributes of electricity generation covered by any of the EECS Schemes unless such sale or consumption uses the corresponding EECS Certificates to prove the source of the associated electrical energy. This also includes such consumption by autoproducers and electricity for which other tradable evidence of the production of electricity from qualifying energy sources has been issued.
- 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 EECS Certificates in Germany.

**Place** **Date** **Place** **Date**

Registrant
(Signature and stamp)

Production Registrar
(Signature and stamp)

# Annex 3 – Energy Source Types and Technology Types

Reference should be made to AIB PRO Fact Sheet 5 on the website www.aib-net.org for the latest version of these tables.

## Renewable Source Electricity (*Schemes: RECS and EECS-GoO*)

| Source | Technology | Type | Combustible? | $CO_2$[1] (kg/GJ) | Code |
|---|---|---|---|---|---|
| **Wind** | *Wind turbine* | Onshore | No | 0.0 | 01 |
| | | Offshore | No | 0.0 | 02 |
| **Solar** | *Photovoltaic* | | No | 0.0 | 03 |
| | *Thermal* | | No | 0.0 | 04 |
| **Energy from water** (excluding electricity used for pumping hydro) | *Hydro power* | | No | 0.0 | 05 |
| | *Tidal energy* | Onshore | No | 0.0 | 06 |
| | | Offshore | No | 0.0 | 07 |
| | *Wave energy* | Onshore | No | 0.0 | 08 |
| | | Offshore | No | 0.0 | 09 |
| **Geothermal** | | | No | 0.0 | 10 |
| **Biomass**, using gasification and non-gasification technologies [2] | *Energy crops* | | Yes | 0.0 | 11 |
| | *Forestry and agricultural by-products and waste* | | Yes | 0.0 | 12 |
| | *Biogas* | Landfill gas | Yes | 0.0 | 13 |
| | | Sewage gas | Yes | 0.0 | 14 |
| | | Other | Yes | 0.0 | 15 |
| | *Energy from by-products and waste (with varying levels of filtration)* [3] | Municipal solid waste | Yes | 0.0 | 16 |
| | | Industrial by-products & commercial waste | Yes | 0.0 | 17 |

[1] This reflects the IPCC statistics where available, and otherwise the Dutch table of standard $CO_2$ emission factors for energy production

[2] As variously defined in the Renewable Energy, Large Combustion Plants and Waste Combustion Plants Directives

[3] Note that RES certificates will only be issued for the estimated non-fossil proportion (i.e. excluding plastics) of Energy from By-Products and Waste

## Disclosure *(Scheme: EECS-Disclosure)*

| Source | Technology | Type | | Combustible? | $CO_2$[4] (kg/GJ) | Code |
|---|---|---|---|---|---|---|
| **Wind** | *Wind turbine* | Onshore | | No | 0.0 | 01 |
| | | Offshore | | No | 0.0 | 02 |
| **Solar** | *Photovoltaic* | | | No | 0.0 | 03 |
| | *Thermal* | | | No | 0.0 | 04 |
| **Energy from water** (excluding electricity used for pumping hydro) | *Hydro power* | | | No | 0.0 | 05 |
| | *Tidal energy* | Onshore | | No | 0.0 | 06 |
| | | Offshore | | No | 0.0 | 07 |
| | *Wave energy* | Onshore | | No | 0.0 | 08 |
| | | Offshore | | No | 0.0 | 09 |
| **Geothermal** | | | | No | 0.0 | 10 |
| **Biomass**, using gasification and non-gasification technologies [5] | Non-CHP plant | *Energy crops* | | Yes | 0.0 | 11 |
| | | *Forestry and agricultural by-products and waste* | | Yes | 0.0 | 12 |
| | | *Biogas* | Landfill gas | Yes | 0.0 | 13 |
| | | | Sewage gas | Yes | 0.0 | 14 |
| | | | Other | Yes | 0.0 | 15 |
| | | *Energy from by-products and waste (with varying levels of filtration)* [6] | Municipal solid waste | Yes | 0.0 | 16 |
| | | | Industrial by-products & commercial waste | Yes | 0.0 | 17 |
| | CHP Plant | *Wood fuels*[7] | | Yes | 0.0 | 30 |
| | | *Solid (biodegradable) waste & agricultural biomass*[8] | | Yes | 0.0 | 31 |
| | | *Liquid biodegradable waste (black liquor etc)* | | Yes | 0.0 | 32 |
| | | *Liquid biofuels (Vegetable oils, biodiesel, bio-ethanol, bio-crude-oil etc)* | | Yes | 0.0 | 33 |
| | | *Biogas* | | Yes | 0.0 | 34 |
| **Fossil** | *Solid fuel* | Hard coal / coke | Anthracite | Yes | 98.3 | 50 |
| | | | Coking coal | Yes | 94.0 | 51 |
| | | | Coking coal (used in coke oven) | Yes | 95.4 | 52 |

[4] This reflects the IPCC statistics where available, and otherwise the Dutch table of standard CO2 emission factors for energy production

[5] As variously defined in the Renewable Energy, Large Combustion Plants and Waste Combustion Plants Directives; and the Guidelines to the CHP Directive. In general, plant operators are likely to use RES terms for non-CHP plant, and CHP terms for CHP plant; however, this is not mandatory

[6] Note that RES certificates will only be issued for the estimated non-fossil proportion (i.e. excluding plastics) of energy from by-products and waste

[7] Wood fuels: Firewood, wood chips, bark , wood pellets, briquettes, sawdust, shavings, chips, purpose grown crops like willow, industrial wood waste, demolition wood

[8] Agricultural biomass: solid agricultural crops (perennial and annual herbaceous crops), residues and waste (straw, rice husks, nut shells, poultry litter, crushed grape dregs etc)

| Source | Technology | Type | | Combustible? | $CO_2$[4] (kg/GJ) | Code |
|---|---|---|---|---|---|---|
| | | | Coking coal (used in blast furnace) | Yes | 89.8 | 53 |
| | | | Other bituminous coal | Yes | 94.7 | 54 |
| | | | Sub-bituminous coal | Yes | 96.1 | 55 |
| | | BKB and Patent Fuel | | Yes | 94.6 | 56 |
| | | Coke Oven / Gas Coke | | Yes | 111.9 | 57 |
| | | Oil shale | | Yes | 106.7 | 58 |
| | | Lignite / lignite briquettes | | Yes | 101.2 | 59 |
| | | Peat / peat briquettes | | Yes | 106.0 | 60 |
| | *Gases* | Natural gas | | Yes | 56.1 | 61 |
| | | Carbon monoxide | | Yes | 155.2 | 62 |
| | | Methane | | Yes | 54.9 | 63 |
| | | Hydrogen | | Yes | 0.0 | 64 |
| | | Phosphor gas | | Yes | 149.5 | 65 |
| | | Oxy gas | | Yes | 191.9 | 66 |
| | | Blast furnace gas | | Yes | 247.4 | 67 |
| | | Coke oven gas | | Yes | 41.2 | 68 |
| | *Liquid fuel* | Oil | Gas/diesel oil | Yes | 74.3 | 70 |
| | | | Residual fuel oil | Yes | 77.4 | 71 |
| | | | LPG | Yes | 66.7 | 72 |
| | | Other oils | Crude oil | Yes | 73.3 | 73 |
| | | | Orimulsion | Yes | 80.7 | 74 |
| | | | Natural gas liquids | Yes | 63.1 | 75 |
| | | | Gasoline | Yes | 72.0 | 76 |
| | | | Jet kerosene | Yes | 71.5 | 77 |
| | | | Other kerosene | Yes | 71.9 | 78 |
| | | | Shale oil | Yes | 73.3 | 79 |
| | | | Ethane | Yes | 61.6 | 80 |
| | | | Naphtha | Yes | 73.3 | 81 |
| | | | Bitumen | Yes | 80.7 | 82 |
| | | | Lubricants | Yes | 73.3 | 83 |
| | | | Petroleum coke | Yes | 100.8 | 84 |
| | | | Refinery feedstocks | Yes | 73.3 | 85 |
| | | | Refinery gas | Yes | 66.7 | 86 |
| | | | Chemical waste gas | Yes | 66.7 | 87 |
| | | | Other oil | Yes | 73.3 | 88 |
| | | Non-renewable proportion of waste | | Yes | 73.6 | 89 |
| **Nuclear** | | | | No | 0.0 | 90 |

| Source | Technology | Type | Combustible? | $CO_2$[4] (kg/GJ) | Code |
|---|---|---|---|---|---|
| **Other** | | | Yes[9] | User specified | 95 |

[9] Other might include both combustible and non-combustible energy sources, but default is “combustible” in order to provide necessary safeguards

# Annex 4 – Production/Consumption Declaration

**General**

This Production Declaration states the proportion of the actual equivalent electricity production that qualifies for one or several of the different EECS Schemes within this time period. An approved independent Production Auditor must verify sections II to VI 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 any specific energy source is directly proportional to the percentage share of this source to the overall fuel consumption 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** | **Compliant with Biomass Ordinance** | **Average Calorific Value** | **Energy Source Factor** |
|---|---|---|---|---|---|---|---|---|
| **Period YYYY-MM-DD to YYYY-MM-DD** | | | | | **$M^i$** | **[%]** | **$C^i$** | **$L^i$** |
| ***Biomass*** | | | | | | | | |
| 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<br>(with varying levels of filtration, municipal solid waste industrial by products and commercial waste | kg | | | | | | | |
| Sewage gas | kg | | | | | | | |
| **Total Biomass** | kg | | | | | | | |
| ***Non biomass*** | | | | | **$M^l$** | | **$C^l$** | **$L^l$** |
| Specify fuel (a) | kg | | | | | | | |
| Specify fuel (b) | kg | | | | | | | |
| Specify fuel (c) | kg | | | | | | | |
| Specify fuel (d) | kg | | | | | | | |
| **Total non-biomass** | kg | | | | | | | |
| **Energy Source Factor (in accordance with H2.7)** | $L^i = \frac{\sum_{i}^{j} M^i x C^i}{\sum_{i}^{n} M^i x C^i}$ | | | | | | | |

**In case of biomass fuels used:**

Total percentage of the biomass fuel used which complies with the requirements of the German Biomass Ordinance (Biomasse-Verordnung) _____ %

(If several types of biomass fuel have been used, then this Information must be provided for each type of biomass fuel in the table above (Column "Compliant with Biomass Ordinance [%]"). Use separate sheets where necessary).

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

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. Association of certificates to be issued to EECS schemes**

Note: The association to EECS schemes is identical for all certificates issued under this Production/Consumption Declaration. Please tick appropriate boxes.

| **EECS Scheme** | |
|---|---|
| RECS | ❑ |
| Guarantee of Origin of electricity, produced from renewable energy sources | ❑ |
| EECS Disclosure Certificate | ❑ |
| Guarantee of Origin of electricity from high efficient cogeneration | (n/a) |

### VI. Public Support schemes used

| **Investment support** | | **Production support**: | Currently used *) | Previously used *) |
|---|---|---|---|---|
| 100,000 PV Roofs Programme | ❑ | Erneuerbare-Energien-Gesetz | ❑ | ❑ |
| Other Investment support | ❑ | Stromeinspeisungs-gesetz | ❑ | ❑ |
| | | Other production support | ❑ | ❑ |
| Production Device is generally eligible for support under the EEG | | | | ❑ |

*) refers to the period of production

### VII. Declaration of Energy being sold or otherwise consumed as electricity with generation attributes

During the associated production period a total number of _____kWh has been or will be sold or otherwise consumed as being associated with one or more attributes of electricity generation covered by any of the EECS Schemes unless such sale or consumption uses the corresponding EECS Certificates to prove the source of the associated electrical energy. This also includes such consumption by autoproducers and electricity for which other tradable evidence of the production of electricity from qualifying energy sources has been issued.

Note: For any such electricity, no EECS Certificates will be issued.

| **Specification of assigned attributes (qualifying fuel source)** | **Number of kWh** |
|---|---|
| | |
| | |
| | |
| | |

### VIII. 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-VII.

Name……..…….……

On behalf of …… Production Auditor

### IX. Number of Certificates

Proportion of eligible MWh for which certificates are being applied is: _____% or _____MWh (complete as applicable).

Note: Energy sold under a labelling system may not qualify for EECS Certificates (see also section VII.). Please check with the issuer or scheme authority.

Detailed specification of individual shares of electricity for which certificates are being applied (electricity from multiple fuel source Production Devices only):

| **Specification of fuel source (and other relevant attributes if required)** | **Number of MWh** |
|---|---|
| | |
| | |
| | |

| | |
|---|---|
| | |

**X. Signature for the Registrant**

Name ……..……..

On behalf of ……

Date ……..

# Annex 5 – Account Application/Amendment Form

**Application for account opening/amendment in Germany for one or several EECS Scheme(s).**

| | |
|---|---|
| **Applicant/Account Holder Name:** | |
| **Account Number (if existing):** | |
| **Address:** | |
| **Primary contact details:** | |
| **Name:** | |
| **Telephone:** | |
| **Email:** | |
| **Effective date:** | |
| **Authorised personnel** | |

| **EECS Schemes to be handled within the account (please tick appropriate box):** | |
|---|---|
| RECS | ❑ |
| Guarantee of Origin of electricity, produced from renewable energy sources | ❑ |
| EECS Disclosure Certificate | ❑ |
| Guarantee of Origin of electricity from high efficient cogeneration | (n/a) |

The applicant/Account Holder requests (please tick appropriate box):

- ☐ Open new Account
- ☐ Amend authorised personnel on this account to only those shown above
- ☐ Amend Account Holder contact details
- ☐ Amend Account associations to EECS schemes
- ☐ Close account

The applicant agrees to abide by the regulations governing the EECS Certificate Schemes as indicated above including the provisions and requirements of the Domain Protocol for Germany and the Standard Terms and Conditions of participation.

**Signed** ……

In the position of ……

**Date** ……

# Annex 6 – Redemption Statement

## EECS Redemption Statement

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

### Basic Data

| | |
|---|---|
| **Account Holder** | <name> e.g. Electrabel |
| **Address of Account Holder** | <street> e.g. Regentlaan 8<br><zip><location> e.g. B-1000 Brussels<br><country> e.g. Belgium |
| **Account Number** | <account number> e.g. 04X00000B1 |
| **Redemption Date (yyyy-mm-dd)** | <date> e.g. 2003-09-12 |
| **Redeemed by** | <Country Code> e.g. FI, <IB Code> e.g. 04, <IB> e.g. Fingrid |
| **Unique Statement Number** | <> e.g. 042003091200001 |
| **Number of redeemed certificates** | <> e.g. 100 |
| **Number of MWh represented** | <> e.g. 100 000 |
| **Redemption purpose** | <> e.g. Quota fulfilment on behalf of customer in x Domain in year Z |

### 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 | 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 | 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 |
| Coal | | | 50 |
| Gas | | | 60 |
| Oil | | | 70 |
| Nuclear | | | 80 |
| Other | | | 90 |
| Chemical industrial gases | | | 91 |
| Non-renewable waste | | | 92 |
| **Support Type / Description** | | | **Code** |
| No support | | | 0 |
| Investment support | | | 1 |
| Production support | | | 2 |
| Combination of Investment and Production support | | | 3 |

## Production Device Information

| | |
|---|---|
| **Consecutive Production Device No.** | 1 |
| **Production Device ID** | 70705230001000XXXX |
| **Domain of Origin** | NO |
| **Certificate Type** | 1, 2 |
| **Energy Source** | 03 |
| **Support Type** | 0 |
| **Additional Remarks by the Issuing Body** | - |
| **Additional Production Device Information (relevant for GoO RES-E)** | |
| **Production Device Operator** | <name> |
| **Address of Production Device Operator** | <street><br><zip><location><br><country> |
| **Name and Location of Production Device** | <name><br><zip><location> |
| **Installed capacity of Production Device** | <capacity> |
| **Date of Commissioning of Production Device (yyyy-mm-dd)** | <date> yyyy-mm-dd |

| | |
|---|---|
| **Consecutive Production Device No.** | 2 |
| **Production Device ID** | 70705230001000XXXX |
| **Domain of Origin** | NO |
| **Certificate Type** | 3 |
| **Energy Source** | 11 |
| **Support Type** | 1 |
| **Additional Remarks by the Issuing Body** | - |
| **Additional Production Device Information (relevant for GoO RES-E)** | |
| **Production Device Operator** | <name> |
| **Address of Production Device Operator** | <street><br><zip><location><br><country> |
| **Name and Location of Production Device** | <name><br><zip><location> |
| **Installed capacity of Production Device** | <capacity> |
| **Date of Commissioning of Production Device (yyyy-mm-dd)** | <date> yyyy-mm-dd |

| | |
|---|---|
| **Consecutive Production Device No.** | 3 |
| **Production Device ID** | 70705230001000XXXX |
| **Domain of Origin** | NO |
| **Certificate Type** | 2 |
| **Energy Source** | 05 |
| **Support Type** | 3 |
| **Additional Remarks by the Issuing Body** | - |
| **Additional Production Device Information (relevant for GoO RES-E)** | |
| **Production Device Operator** | <name> |
| **Address of Production Device Operator** | <street><br><zip><location><br><country> |
| **Name and Location of Production Device** | <name><br><zip><location> |
| **Installed capacity of Production Device** | <capacity> |
| **Date of Commissioning of Production Device (yyyy-mm-dd)** | <date> yyyy-mm-dd |

# EECS Redemption Statement

## Redeemed Certificates

| Production Device No. | From Certificate ID | To Certificate ID | Number of Certificates | Number of MWh Represented | Issuing Date (yyyy-mm-dd) | Production Period from / to (yyyy-mm-dd) |
|---|---|---|---|---|---|---|
| 1 | 6420616413225008100OXXXXXXXXX | 6420616413225008100OXXXXXXXXX | 100 | 100 000 | yyyy-mm-dd | yyyy-mm-dd - yyyy-mm-dd |
| 2 | 6420616413225008100OXXXXXXXXX | 6420616413225008100OXXXXXXXXX | 100 | 100 000 | yyyy-mm-dd | yyyy-mm-dd - yyyy-mm-dd |
| 3 | 6420616413225008100OXXXXXXXXX | 6420616413225008100OXXXXXXXXX | 100 | 100 000 | yyyy-mm-dd | yyyy-mm-dd - yyyy-mm-dd |

| | |
|---|---|
| This Redemption Statement covers only certificates which have been issued from electricity which complied to the definition of the Renewable Energy Directive 2001/77/EC | (yes)<br>(no) |
| In case of biomass used:<br>The certificates from biomass covered by this Redemption Statement have been issued from electricity which fully complies to the German Biomass Ordinance. | (yes)<br>(no) |