

**EECS GoO RES-E
Domain Protocol**

**for
the Brussels Capital Region, Belgium**

Prepared by BRUGEL

Based on Domain Protocol template: v1.5

Version 1.7

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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 a EECS GoO RES-E Certificate encompasses three phases: issuance, transfer and redemption:
- (a) Electronic Certificates are issued on registries in respect the energy output of Production Devices registered specifically for the purposes of EECS GoO RES-E.
 - (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 EECS GoO RES-E as used within this Domain.
- A2.2 This Domain Protocol is made binding between the Scheme Participant and BRUGEL by agreement in the form of the Standard Terms and Conditions. The duties under this Domain Protocol are owed specifically between BRUGEL and the Scheme Participant.
- A2.3 The objective is to ensure quality in the robustness and transparency in facilitating EECS GoO RES-E 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.

A3 Matter of Attention

- A3.1 This Domain Protocol should be seen as a temporary document. Indeed BRUGEL has argued and maintains that separate guarantees of origin and support certificates may be issued at the same time for the same output of electricity without jeopardising the integrity and the purpose of the AIB. Since the PRO currently does not allow this, BRUGEL has agreed to currently implement the current Domain Protocol while introducing the necessary changes in order to both support and guarantee the origin of renewable electricity in accordance with Directive 2001/77/EC and 2004/8/EC.

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 EECS GoO RES-E Certificates held within the EECS Registration Database of BRUGEL and may only be amended or added to by BRUGEL in accordance with section J below.
- B1.2 This Domain Protocol for Brussels applies to the Brussels Capital Region, in conjunction with EECS GoO RES-E Certificates held within the EECS Registration Database.
- B1.3 BRUGEL will not issue EECS certificates which are associated with energy for which any other certificate will be issued until such time as this is permitted by the PRO.

B2 Responsibility

- B2.1 BRUGEL is responsible for the operation of the EECS GoO RES-E system for this Domain.
- B2.2 Some of the functions facilitating system operation may be contracted out to approved agents of BRUGEL.
- 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 EECS GoO RES-E Certificates for that Domain.
- In Brussels this function is performed by BRUGEL.
- The charges for accounts and transactions are shown on the website www.brugel.be should they ever be required.
- B2.4 BRUGEL is responsible for the authorisation of Certificates.

C Definitions

C1 Enabling Legislation

C1.1 This Domain Protocol complements the terms of the GO Scheme as set out in:

- (a) Order on the organisation of the electricity market in the Brussels-Capital Region : *Ordonnance du 1^{er} avril 2001 relative à l'organisation du marché de l'électricité en Région de Bruxelles-Capitale modifiée par l'ordonnance du 14 décembre 2006*;
- (b) Decision of the Government of the Brussels-Capital Region on the promotion of green electricity and high-quality cogeneration : *Arrêté du Gouvernement de la Région de Bruxelles-Capitale du 6 mai 2004 relatif à la promotion de l'électricité verte et de la cogénération de qualité tel que modifié par l'Arrêté du Gouvernement de la Région de Bruxelles-Capitale du 19 juillet 2007 déterminant les modalités d'octroi des labels de garantie d'origine, précisant les obligations incombant aux fournisseurs*;
- (c) *Code de Comptage des quantités d'énergie consommées et produites par une installation de production d'électricité verte ou de cogénération située en Région de Bruxelles-Capitale du 12 octobre 2004*, thereafter referred to as the Metering Code ;

and other relevant laws and bylaws.

C1.2 These laws implement Directive 2003/54/EC concerning common rules for the internal market in electricity, Directive 2001/77/EC on the promotion of electricity produced from renewable energy sources in the internal electricity market and Directive 2004/8/EC on the promotion of cogeneration based on a useful heat demand in the internal energy market.

C2 This document

C2.1 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 person appointed to administer the operation of the EECS Registration Database for the purposes of EECS GoO RES-E within Brussels;
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 Brussels to exercise or discharge that function;
Green Certificate	Brussels Region's support certificate designed to provide financial support to electricity generated from renewables and/or cogeneration in function of the environmental performance of this generation when compared to a reference (see details in Annex 6 - Brussels production support scheme in 2007). It carries no element of Disclosure.
Disclosure	The process whereby a supplier provides its final customers with information on the energy source, conversion efficiency or other characteristics of the energy supplied to them, like the requirement of article 6 of Directive 2003/54/EC.
EECS GoO RES-E Certificate	An EECS Certificate issued under an EECS GoO RES-E scheme in accordance with the enabling legislation.
Guarantee of Origin (GO)	Guarantee of Origin (GO) shall have the meaning assigned to it by the Directive (2001-77-EC), especially its articles 4.1 and 5.
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

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	Production Device;
Scheme Participant	an Account Holder or a Registrant of a Production Device on the EECS Registration Database for the purposes of EECS GoO RES-E within Brussels, Belgium;
Brussels GO Certificate	Guarantee of Origin for renewable and/or cogeneration electricity production according to the Brussels Act of 6 May 2004 regarding electricity and implementing Directives 2001/77/EC, 2003/54/EC and 2004/8/EC. It is locally known as a "label of guarantee of origin". A Brussels GO Certificate may be considered to be a GoO RES-E Certificate when it meets the Qualifying Criteria in section D3 of this Domain Protocol.

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 BRUGEL has been appointed to act as the registration database administrator for GoO RES-E in Brussels.

D2 Supplementary Definitions

- D2.1 This Domain Protocol supplements the terms of the GoO RES-E Scheme as set out in local enabling legislation.
- D2.2 An EECS Certificate Issued under the GoO RES-E scheme constitutes a GoO RES-E Certificate under local enabling legislation or is derived from and incorporates the relevant electronic data from one or more GoO RES-E Certificates issued under local enabling legislation.
- D2.3 Renewable Energy shall have the meaning assigned to it by the Directive (2001-77-EC). 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).

D3 Qualifying Criteria

- D3.1 The qualifying criteria for Production Devices are:
- (a) the Production Device is capable of generating electricity produced from renewable energy sources as defined in the Renewable Energy Directive (2001-77-EC);
 - (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 Brussels, Belgium (including the requirements of this Domain Protocol);
 - (c) the Production Device satisfies the legislative and administrative requirements applicable in Brussels (including the requirements of this Domain Protocol);
- 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 The qualifying criteria for Issue of EECS GoO RES-E Certificates are:
- (a) electricity has been found to be generated from the energy source claimed by the Registrant of the Originating Production Device; and
 - (b) the Production Device is registered for the purposes of EECS GoO RES-E Certificates in the EECS Registration Database; and
 - (c) the measured value of electrical energy has been collected and determined by BRUGEL *and fulfils the conditions set in D3.3 and/or D3.4; and*
 - (d) the electrical energy has neither been sold nor consumed as electricity with specific generation attributes, among others energy source and conversion efficiency, without the use of EECS GoO RES-E Certificates.
- D3.4 Moreover, additional qualifying criteria for Issue of EECS RES-GO Certificates are:
- (a) electricity has been found to be generated from Renewable Energy sources according to the meaning assigned by Directive (2001-77-EC); and
 - (b) no Green Certificate has been Issued for that same electricity (see A3.1).

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D3.5 Subject to E3 below, the qualifying period of registration for the purposes of EECS GoO RES-E 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.

D4 **Support Schemes**

D4.1 Support schemes are not directly relevant to the operation of the EECS GoO RES-E scheme in Brussels, but Production Device registration and metering data are common. Moreover, support information is held within the EECS Registration Database.

D4.2 All GOs are earmarked according to the type of support received.

D4.3 Further details on production support to renewable and CHP electricity is available in Annex 6.

D5 **Certificate Face Values**

D5.1 EECS GoO RES-E Certificates can be issued with a Face Value of 1 MWh.

E PARTICIPATION AND REGISTRATION

E1 Scheme Participation

- E1.1 Any legal person who is not a member of the Association of Issuing Bodies or such member's affiliate or agent can be a EECS GoO RES-E Scheme Participant.
- E1.2 The application form to open an Account can be found in Annex 5 – Account Application/Amendment Form and on the website www.brugel.be.
- E1.3 The EECS GoO RES-E Scheme Participant must contract with BRUGEL under the Standard Terms and Conditions.
- E1.4 In very limited circumstances, i.e. for the purposes of recovery of undisputed debt from a Scheme Participant in default and purchases for its own use, BRUGEL can buy and sell certificates. Such activities are reported to the Association of Issuing Bodies.

E2 Registration of a Production Device

- E2.1 Only the owner of a Production Device, or a Registrant duly authorised by the owner, may register a Production Device, which is located in Brussels in the EECS Registration Database.
- E2.2 The Registrant of the Production Device must provide evidence to the satisfaction of BRUGEL that it has the appropriate authority to register the Production Device and that it can comply with the requirements of the EECS GoO RES-E Scheme and this Domain Protocol with respect to the imposition of duties on the owner and/or operator of the Production Device. Such evidence being the request for certification form (Annex 2 – Registration Form).
- E2.3 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;
 - (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 is not determined by an Export Meter, details of Import Meter(s) which determine the electricity consumption by the Production Device;
 - (i) (irrespective of whether or not there is any intention to use such sources of energy in connection with the Production Device) all sources of energy that may be converted into energy outputs by that Production Device by reference to the source types set out in Annex 3;
 - (j) the nature of that Production Device, in terms of technology by reference to the types set out in Annex 3;
 - (k) the Nominal Capacity of that Production Device;
 - (l) where at the time of such application it has been commissioned, the date on which that Production Device was commissioned;
 - (m) the identity of the Authorised Body or, where appropriate, Approved Measurement Body responsible for collecting and determining the measured values of the energy outputs of that Production Device and providing such measured values to BRUGEL;
 - (n) a diagram of that Production Device, including details the location of:

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- (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 description of how the amount of Net Electrical Energy Generation produced by that Production Device shall be calculated from the meter readings to be provided.
- E2.4 The registration form containing all the items listed in E2.3 above can be found in Annex 2 to this Domain Protocol.
- E2.5 The Qualifying Criteria for a Production Device within the EECS GoO RES-E scheme are given in D3 above.
- E2.6 The Registrant must warrant that the information provided to BRUGEL in connection with its application is complete and accurate and that the Production Device meets the qualification criteria for EECS GoO RES-E.
- E2.7 The Registrant must also provide details of any payments (other than payments arising from the sale of EECS GoO RES-E 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 D4.1 above.
- E2.8 The CMO will respond to the application within 30 working days from its receipt.
- E2.9 The Registrant must have the information in the registration form verified by a Production Registrar (see I2.1 below) as part of the approval process.
- E2.10 Where the Production Device is already accredited to another EECS Scheme or legislative support scheme, the CMO, may determine that part or all of the verification of this application is not required.
- E2.11 An application for the registration of a Production Device for the purposes of EECS GoO RES-E 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.
- E2.12 On successful completion of the registration process, BRUGEL will assign a unique identifier to each registered Production Device, if one has not already been assigned in that EECS Registration Database under another EECS Scheme.
- The identifier consists of a number with 18 numeric characters that also identifies the Domain of origin. EAN/GSRN (Global Service Relational Number) coding is used.
- E2.13 The Registrant consents to the publication by BRUGEL or its CMO of data provided in the course of its application for registration in relation to each of its Production Device registered on the database on its web page www.brugel.be with the exception of:
- (a) detailed descriptions of plant and equipment;
 - (b) graphical representations of the Production Device and its location, including diagrams and photographs; and
 - (c) details of:
 - (i) the person responsible for the application; and
 - (ii) where the Registrant of the Production Device is not its owner, the Production Device's owner.

E3 Changes in Registered Details

- E3.1 The Registrant of a Production Device must notify BRUGEL 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 EECS GoO RES-E ceasing to be satisfied with respect to that Production Device.
- E3.2 On receipt of a change of details notification (following an inspection or otherwise), BRUGEL will evaluate the impact of the changes on the Qualifying Criteria and respond to the Registrant within 30 working days specifying the decision taken.
- E3.3 Where BRUGEL becomes aware that a Production Device no longer fulfils, or will no longer fulfil, the Qualification Criteria, the EECS Registration Database record for that Production Device will be updated to show that the Production Device no longer qualifies for EECS GoO RES-E Certificates with effect from:
- (a) (in relation to planned changes notified in advance) the date on which such planned changes are due to come into effect; or
 - (b) (in relation to other changes) as soon as reasonably practicable after becoming so aware.

E4 Withdrawing from the Scheme - Closing an Account

- E4.1 The Account Holder must notify BRUGEL 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 working days from the date of receipt by BRUGEL.
- E4.2 BRUGEL will amend the EECS Registration Database to seal that Account as of the effective date on the request or 30 working days from the date of receipt by BRUGEL whichever is the later.

E5 Withdrawing from the Scheme - Deregistering a Production Device

- E5.1 The Registrant must notify BRUGEL of an intent to deregister his Production Device in writing.

E6 Withdrawing from the Scheme - Registration Expiry

- E6.1 Unless otherwise directed by legislation identified in D1 above, the registration of a Production Device as qualifying for EECS GoO RES-E in the EECS Registration Database will expire after five (5) years. BRUGEL will amend with immediate effect the relevant records in the EECS Registration Database to indicate that the Production Device no longer qualifies for EECS GoO RES-E.
- E6.2 The Registrant may avoid expiry by successfully completing re-registration of the relevant Production Device as set out in section E2 above. Following expiry, the Registrant may apply for re-registration of the relevant Production Device.

F PRODUCTION DATA

F1 Metering

- F1.1 Only Production Devices that are equipped with metering equipment that complies with the relevant regulations for the trading of generation energy shall be registered. The metering equipment may measure on a scalar basis (meter advance only) or on a period basis (energy measured in units of time) according to the regulations.
- F1.2 For the avoidance of doubt, the relevant regulations are the versions of the following agreements and codes presently in force at the time:
- (a) *Code de Comptage des quantités d'énergie consommées et produites par une installation de production d'électricité verte ou de cogénération située en Région de Bruxelles-Capitale du 12 octobre 2004*
- F1.3 Unless determined under the regulations listed in F1.2 above, the metering Measurement Frequency shall be no more than twelve-monthly.

F2 Data Provision

- F2.1 If the Registrant wishes to receive EECS GoO RES-E Certificates for his Production Device in an issuing period, he must submit a Production Declaration to BRUGEL.
- (a) If the Production Device has a single energy source (i.e. excluding biomass and pumped storage hydro), the Registrant must submit a Production Declaration for that Production Device at least once in any [12] month period.
- (b) If the Production Device has multiple energy sources (i.e. including all biomass, CHP, and pumped storage hydro), the Registrant must submit a Production Declaration for that Production Device for every issuing period as defined in G1.2 below.

An example of the Production Declaration form can be found in Annex 4 to this Domain Protocol.

- F2.2 The Registrant is responsible for the timely delivery of accurate metering data for his Production Device, although metered energy values must be provided, or verified, by a Measurement Body (see I3 below).
- F2.3 Production Declarations are subject to verification by a Production Auditor (see I1 below) on a random and periodic basis.
- F2.4 In the event that it transpires that the data in any Scheme Certificate is inaccurate (whether or not through an act or omission of the Registrant of the Originating Production Device):
- (a) BRUGEL shall (provided that such EECS GoO RES-E Certificates are, at the time of such Withdrawal, in the Transferables Account of that Registrant) withdraw those Certificates; and
- (b) BRUGEL has the legal powers (e.g. suspension of Issuance; administrative fine in case of non compliance) and shall oblige the Registrant to secure for Withdrawal other EECS GoO RES-E Certificates of the same type and within a term set by BRUGEL.

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

- F2.5 The Registrant must provide metering data for his Production Device whenever certificates are required in order to allow calculation of measurable quantities according to the enabling legislation as specified under C1.1(c).
- F2.6 A person submitting a Production Declaration (See Annex 4) in accordance with F2.1 above shall be obliged to specify therein:
- (a) the values of M^i and C^i for each fuel type 'i'; and
- (b) as the Energy Source Factor for that period, a factor no greater than L,

Where:

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

And

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

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

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

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

F2.7 In some cases, additional information is required by the issuer to ensure the number of Certificates issued correctly represents the qualifying energy that was metered. These cases, and the additional information required is set out in the enabling legislation specified in C1.

F2.8 Registrant has to notify BRUGEL of any sale or consumption of electrical energy which has been sold or consumed as electricity with given generation attributes, among others energy source and conversion efficiency, without the use of EECS GoO RES-E Certificates since this electricity is ineligible for EECS GoO RES-E Certificates as specified in D3.3(d).

G PROCESSING OF CERTIFICATES

G1 Issuing for Transfer

G1.1 EECS GoO RES-E 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 Brussels;
 - (ii) registered in the EECS Registration Database of BRUGEL as qualifying for EECS GoO RES-E Certificates; and
- (b) in respect of the qualifying energy output of such a Production Device during any period in which it was registered in an EECS Registration Database for the purposes of the EECS GoO RES-E scheme, 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) for energy output in respect of which (save to the extent permitted under sections G4 to G6 below) no other Certificate, of any variety, has been, or is being, issued.

G1.2 Subject to G1.1 above EECS GoO RES-E Certificates are issued against energy data submitted in accordance with F2.2 above and metered during each quarter, if nothing else is agreed between the issuer and the Registrant.

G1.3 Only persons duly authorised by the Registrant may request the issue of EECS GoO RES-E Certificates in relation to the output of that Production Device.

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

G1.5 One EECS GoO RES-E Certificate will be issued for each whole one MWh of qualifying energy output of the Production Device. Any identifiable residual kWh will be carried forward to the next issuing period.

G1.6 The CMO will deposit the Certificates in the Transferables Account nominated by the Registrant within the EECS Registration Database no later than 90 working days after the receipt of a valid Production Declaration at the end of every issuing period as defined in G1.2 and the Account Holder will be notified accordingly.

G1.7 The EECS GoO RES-E Certificates shall be issued in such format as may be determined by AIB from time to time.

G1.8 A EECS GoO RES-E Certificate identifies the entitlement of the Account Holder of the Transferables Account in which it is held to the attributes of:

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

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

G2 Transfer

G2.1 A EECS GoO RES-E Account Holder can hold EECS GoO RES-E Certificates in an account within the EECS Registration Database for Brussels.

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On request the CMO will open an account within 30 working days. The account will be uniquely identified by a number and a name.

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

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BRUGEL will use reasonable endeavours to exchange information such that the EECS GoO RES-E Certificate can be rendered compliant with the EECS GoO RES-E for Brussels or the correct account number identified (as the case may be), failing which:

- (a) the full details of the EECS GoO RES-E 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 EECS GoO RES-E Certificate is no longer recorded as having been exported; and
- (b) all details of the EECS GoO RES-E Certificate shall be removed from the other EECS Registration Database.

G2.7 Where:

- (a) BRUGEL receives a Transfer Request in respect of a EECS GoO RES-E 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 EECS GoO RES-E,

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

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

- (a) A request for transferral of EECS GoO RES-E Certificates to an account in the same EECS Registration Database will be executed within 10 working days.
- (b) On a request for transferral of EECS GoO RES-E Certificates to an account in a different EECS Registration Database, the export message will be sent to the receiving CMO within 10 working days.
- (c) On receiving an export message, the CMO will execute that message within 3 working days.
- (d) A request for transferral of EECS GoO RES-E Certificates to an account in a Registration Database that is outside the EECS network will be executed within 30 working days.

G2.9 The Account Holder is required to retain all records to which he has had access relating to EECS GoO RES-E Certificates for a period not less than 10 years [or such longer period as required by national legislation].

G3 **Redemption**

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

G3.2 Only persons duly authorised by the Account Holder may request the redemption of EECS GoO RES-E Certificates out of that Account Holder's Transferables Account and into its Redemption Account.

The Account Holder sends the Redemption form to BRUGEL which specifies that the relevant EECS GoO RES-E Certificates are to be redeemed.

G3.3 A redemption request can be made by a person duly authorised by the Account Holder to transfer EECS GoO RES-E Certificates out of that Account Holder's Transferables Account and into the Redemption Account of a Redeeming Body. A request for redemption may only be deemed valid if the country where the EECS GoO RES-E was issued:

- (a) Uses Certificate Redemption for Disclosure of the electricity retailers' fuel mix or other relevant bodies mentioned under G3.10, or
- (b) In case where this condition is not met, sufficient evidence is provided that the characteristics of the sources or conversion efficiency can not be counted twice for the Disclosure.

G3.4 On receipt of valid redemption request, BRUGEL will accept or reject the redemption request; in case of rejection, it will inform the Account Holder of the reason for rejection; in case of acceptance, it will:

EECS GoO RES-E Domain Protocol for Brussels, Belgium

- (a) remove the details of that EECS GoO RES-E Certificate from that Transferables Account;
 - (b) insert the details of that EECS GoO RES-E Certificate in the Redemption Account of the Redemption Body which made, or is specified, in that request; provide the Account Holder with access to the full details of that EECS GoO RES-E Certificate certifying that it has been Redeemed; and
 - (c) provide details of the Redeemed EECS GoO RES-E Certificate to the Redeeming Body and its auditors where requested to do so.
- G3.5 A request for redemption of a EECS GoO RES-E Certificate will be executed within 10 working days.
- G3.6 An Account Holder will be able to obtain a Statement of Account as specified in G7.
- G3.7 Redemption statements will only be produced for Redeeming Bodies or for Competent Authorities mandated to control the usage of Certificates.
- G3.8 On request from an Account Holder, the CMO will produce a standard format, non-transferable, redemption statement within 30 working days. The request should include the following details:
- (a) The EECS GoO RES-E Certificates to be redeemed.
 - (b) The recipient of those Certificates, if not the Account Holder.
 - (c) The production/issuing date if not sufficiently identified in (a) above.
 - (d) The generic (Disclosure, Error) and specific usages into which this redemption falls. For example, a Certificate could be used for Disclosure for a given electricity product of a supplier.
 - (e) Any other information to be included on the statement.
- G3.9 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.
- G3.10 Only licensed electricity retailers, distributors and final customers purchasing directly from an electricity exchange may redeem their EECS Certificates.
- G3.11 Certificates issued are immediately redeemed for a volume corresponding to the autoproducer's on-site consumption or, alternatively, are issued for a volume corresponding to the difference between the net generated electricity and the autoproducer's on-site consumption.
- G4 Splitting**
- G4.1 An EECS GoO RES-E Certificate may be split into Certificates of lower Face Values if directly requested by the Account Holder or implied by the volume in a Transfer Request. This is achieved by deleting it and replacing it with EECS GoO RES-E Certificates identical with that EECS GoO RES-E Certificate in every respect save as to their denominations in MWh and any unique identification numbers. The aggregated Face Values of the replacement EECS GoO RES-E Certificates will be the same as the Face Value of the original EECS GoO RES-E Certificate.
- G4.2 Where a split of a Certificate is implied by a Transfer Request, that Transfer Request will be deemed to apply to all the replacement Certificates up to the volume implied by that Transfer Request.
- G5 Withdrawals**
- G5.1 BRUGEL may withdraw a EECS GoO RES-E 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 GoO RES-E scheme, thereby cancelling it.

G6 Errors

G6.1 Where an error is introduced (subsequent to its Issue) into, or with respect to, a EECS GoO RES-E 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,

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

G6.2 BRUGEL may withdraw or alter a EECS GoO RES-E Certificate held in its EECS Registration Database to give effect to an agreement reached with the Account Holder under provisions of the Standard Terms and Conditions.

G6.3 BRUGEL may alter a EECS GoO RES-E 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 EECS GoO RES-E Scheme Participant as a consequence of such error has, to the extent reasonably practicable, been nullified;
- (c) it is reasonably satisfied that the alteration itself does not give rise to undue enrichment of the Account Holder.

G7 Statement of account

G7.1 BRUGEL will provide a statement of account to the Account Holder(s) after issuing, transferring, redeeming or withdrawing Certificates. The statement may be either in paper or in electronic form. It will include the following information:

- (a) The EECS GoO RES-E Certificates concerned, including production date, issuing date and technology.
- (b) The number of Certificates before and after the event triggering the publication of the statement.
- (c) Details of the issue, transfer, redemption or withdrawal since the last statement.
- (d) Any other information to be included on the statement.

H MONITORING AND REPORTING

H1 Monitoring

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

H2 Activity Reporting

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

H3 Exception Reporting

- H3.1 Where as a consequence of an inspection conducted pursuant to H1 above, BRUGEL determines that the Scheme Participant is in breach of this Domain Protocol or the Standard

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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, BRUGEL will:

- (a) take such action as is necessary to secure that EECS GoO RES-E 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 BRUGEL is of the reasonable opinion that such breach could affect the transfer of EECS Certificates out of its EECS Registration Database into another EECS Registration Database.

H3.2 BRUGEL 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 BRUGEL is aware and which, in its reasonable opinion, amounts to a breach of Competition Law, or applicable law governing the conduct of financial markets.

H3.3 BRUGEL will also notify the AIB of any report made by it under H3.1 above providing as much information in relation to such a report as is consistent with any duty of confidentiality it may have to the Scheme Participant.

I AGENTS AND MEASUREMENT BODIES

I1 Production Auditor

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

I2 Production Registrar

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

I3 Measurement Body

- I3.1 A Measurement Body is an organisation responsible for the collection of metering data relating to the output of the Production Device.
- I3.2 Besides BRUGEL, the other measurement body is the grid operator Sibelga.

J MODIFICATIONS

J1 Modifications to this Domain Protocol

- J1.1 The Scheme Participant may propose a modification to this Domain Protocol;
- J1.2 Such a proposal will include a detailed description, including an exact specification of any proposed modification of this Domain Protocol and be passed in writing to BRUGEL.
- J1.3 On receipt of such a request, BRUGEL will:
- (a) Respond to the request within 30 working days, describing the procedures to be followed, and estimating when a reply can be expected;
 - (b) Consult with the other EECS GoO RES-E Scheme Participants within Brussels;
 - (c) Decide whether the request and its consequences are in its opinion reasonable;
 - (d) Inform the EECS GoO RES-E Scheme Participants within Brussels about the outcome of this decision.
- J1.4 BRUGEL may make such modifications to this Domain Protocol as are in its opinion necessary to the effective and efficient operation of the market.
- J1.5 Any modifications to this Domain Protocol are subject to approval by the AIB that such changes do not conflict with the Principles and Rules of Operation of the Association of Issuing Bodies (AIB) for The European Energy Certification System.
- J1.6 Implementation of modifications will be notified by email to the Scheme Participant and will take effect on publication of the documentation on the website www.brugel.be.

J2 Transitory measures

- J2.1 Until on-line transactions become available (physically as well as legally), BRUGEL remains the authorised user representing the Scheme Participant. Any Scheme Participant wishing to sell or redeem their certificates will request the BRUGEL in writing. BRUGEL will authenticate this transaction, key it itself in and inform the Scheme Participant by way of a statement of account.

K ASSOCIATION OF ISSUING BODIES

K1 Membership

- K1.1 BRUGEL 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 GoO RES-E Certificates.
- K1.2 In order to maintain the quality standard across the entire EECS network, all AIB members are subject to audit and periodic peer review.
- K1.3 In the event of BRUGEL or one of its agents failing to maintain the quality standard, there may be a suspension of EECS GoO RES-E Certificate issuing and/or international transfers into or out of Brussels.
- K1.4 Should BRUGEL decide to withdraw from AIB membership in respect of EECS GoO RES-E in Brussels, it will give notice in writing to the Scheme Participant in accordance with the Standard Terms and Conditions.

Annex 1 – Contacts List

Central Monitoring Office

Company	BRUGEL – Brussels Gas Electricity – Commission de Régulation pour l’Energie en Région de Bruxelles-Capitale (<i>in short</i> BRUGEL)
Contact Person	Mr. Michel Quicheron
Address	Gulledelle 92 B-1200 Bruxelles
Country	Belgium
Phone number	+32-2-563 02 04 (general: +32-2-563 02 00)
Email address	mquicheron@brugel.irisnet.be

Certificate Authority (*if different from the CMO*)

Company	BRUGEL – Brussels Gas Electricity – Commission de Régulation pour l’Energie en Région de Bruxelles-Capitale (<i>in short</i> BRUGEL)
Contact Person	Mr. Michel Quicheron
Address	Gulledelle 92 B-1200 Bruxelles
Country	Belgium
Phone number	+32-2-563 02 04 (general: +32-2-563 02 00)
Email address	mquicheron@brugel.irisnet.be

Production Registrars

Will be published on www.brugel.be

Production Auditors

Will be published on www.brugel.be


Measurement Bodies

Sibelga: www.sibelga.be

Quai des Usines 16

B-1000 Bruxelles

Annex 2 – Registration Form

 BRUGEL	<p>Application form for the certification of a green electricity or cogeneration production installation, as referred to in Article 4 of the Governmental Decree of the Brussels-Capital Region of 6 May 2004 relating to the promotion of quality green electricity and cogeneration</p> <p>Form and its appendixes to be sent back by registered post or courier to the following address:</p> <p>BRUGEL Monsieur Pascal Misselyn Gulledelle 92 1200 Bruxelles</p>	<p>For use by BRUGEL only</p> <p>File no.:</p> <p>Date file received:</p> <p>Officer responsible for file:</p>
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1.a) Applicant's details (owner of the installation and account holder)

Corporate name or First Name and Last Name:	
Legal status:	
VAT no. – or company number ¹	
Address of registered office:	
Account number (if it already exists):	

1.b) Account holder (if different from the owner of the installation)

Corporate name or First Name and Last Name:	
Legal status:	
VAT no. – or company number ²	
Address of registered office:	
Account number (if it already exists):	

¹ Company number provided by the Banque Carrefour des Entreprises

² Company number provided by the Banque Carrefour des Entreprises

2. Operator's details (if different from the owner of the installation)	
Corporate name:	
Legal status:	
VAT no. – or company number ¹	
Address of registered office:	
3. Details of the person responsible for following up the application	
Surname – First name	
Correspondence address:	
Phone:	
Mobile:	
Fax:	
E-mail:	
4. Identification of the installation which is the subject of the application	
Name of the installation:	
Site of the installation:	
Energy source(s):	
Technology:	
Brief description of the installation:	
Operation date DD/MM/YYYY:	
Net electric power (electric MVA):	
Thermal useable power (thermal MW):	
Refrigerating capacity (refrigerating MW):	
Estimate of annual output:	<input type="checkbox"/> electricity MWh/year <input type="checkbox"/> heat MWh/year
Estimate of the annual consumption of primary energy:	<input type="checkbox"/> natural gas MWh/year <input type="checkbox"/> oil..... MWh/year <input type="checkbox"/> other MWh/year

5. List of the documents enclosed with the form	
5.1. Diagrams relating to the installation	
<input type="checkbox"/>	general diagram of the installation's design including the location of the measurement instruments
<input type="checkbox"/>	diagram of electrical unifilar
<input type="checkbox"/>	diagram of "primary energy"
<input type="checkbox"/>	diagram of "thermal fluid"
<input type="checkbox"/>	other (specify):
5.2. Specification sheets relating to the installation or its components	
<input type="checkbox"/>	specification sheets for the meters
<input type="checkbox"/>	if necessary, information allowing the level of accuracy and meter installation conditions to be assessed
<input type="checkbox"/>	specification sheets of the probes connected to the meters
<input type="checkbox"/>	if necessary, information allowing the assessment of the level of accuracy as well as the compatibility of the probes with the meters to which they are connected
<input type="checkbox"/>	other (specify):
5.3. Permits	
<input type="checkbox"/>	reference of the environmental permit and year of issue
<input type="checkbox"/>	copy of the town planning permit
5.4. Contracts	
<input type="checkbox"/>	copy of the contract relating to the sale of electricity to third parties by the owner of the installation
<input type="checkbox"/>	copy of the contract relating to the sale of electricity and/or heat to third parties by the owner of the installation
5.5. Metering algorithm	
<input type="checkbox"/>	metering algorithm proposal for each meter as well as the corrective coefficients
5.6. Miscellaneous	
<input type="checkbox"/>	Double-sided copy of personal id
<input type="checkbox"/>	monthly history of the quantities consumed and produced by the installation since it came into service or if it came into operation more than three years before the application was made, during the last 36 months
<input type="checkbox"/>	study of needs in terms of heat in the case of cogeneration

<input type="checkbox"/> estimated or measured LHV of the fuel(s)	
<input type="checkbox"/> certificate **	
<input type="checkbox"/> other (specify):	

The undersigned hereby declares that the information contained within this form is genuine, complete and true. He/She also declares that he/she may ask the company to take the necessary steps for certification with a view to granting green certificates and/or guaranties of origin.

Place, date ...

Signature

Name and position of signatory:

* Any request for certification concerning an installation which does not have an environmental permit even though this is the legal requirement is unacceptable.

** Certifying the power of the signatory of the application.

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 ³ (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 ⁴	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) ⁵	Municipal solid waste	Yes	0.0	16
		Industrial by-products & commercial waste	Yes	0.0	17

³ This reflects the IPCC statistics where available, and otherwise the Dutch table of standard CO₂ emission factors for energy production

⁴ As variously defined in the Renewable Energy, Large Combustion Plants and Waste Combustion Plants Directives

⁵ 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

Annex 4 – Production/Consumption Declaration

Free format based on registered meters

Example:

Break info	Month	Gas (kWh)	Gas_m3 (m ³)	Elec peak (kWh)	Elec off peak (kWh)	Electricity (kWh)	Heat (kWh)
	janv-06	125300	12284,31	22279	12805	35084	63903
	févr-06	237706,67	23304,58	48144	23168	71312	121230,4
	mars-06	293608,02	57570,2	57742	27582	85324	146804,01
	avr-06	205282,14	40251,4	40000	19569	59569	106746,71
	mai-06	66493,8	13038	11937	5902	17839	34576,78
	juin-06	16768,8	3288	3326	1250	4576	8521
	juil-06	24444,3	4793	4596	2029	6625	12119
	août-06	7758,12	1521,2	1722	349	2071	3954
Year Total		720085,32	141193,2			282400	120788
Report Total		720085,32	141193,2			282400	120788

Annex 5 – Account Application/Amendment Form

Application for account opening/amendment in Brussels for EECS GoO RES-E Certificates.

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

The applicant/Account Holder requests:

- Open new Transferables Account
- Open new Redemption Account
- Amend authorised personnel on this account to only those shown above
- Amend Account Holder contact details
- Close account

The applicant agrees to abide by the regulations governing EECS GoO RES-E including the provisions and requirements the Domain Protocol for Brussels and the Standard Terms and Conditions of participation.

Signed

In the position of

Date

Annex 6 - Brussels production support scheme in 2007

Introduction

A certificate based support system has been set up in Brussels in 2004 in order to stimulate investments in green electricity production and brings about realisation of European targets. Reasons for this are:

- (a) Improving security of supply
- (b) Protecting the environment (particularly GHG) and promoting sustainable development
- (c) Beefing up competition on the electricity market
- (d) Fostering local and regional development

This quota system aims to achieve the lowest support cost for the generated energy output.

Definitions

“Production support”: support granted directly to the producer in relation to the generated energy output reaching CO₂ reduction. The Commission has repeatedly recognised that the system applied in Brussels is no state aid.

“Green electricity”: renewable or quality CHP electricity which gives right to receive partial or total production support.

“Green certificate”: (“certificat vert / groenestroomcertificaat”) support certificate for electricity in Brussels, based on environmental performance of the generation.

“Brussels GO Certificates”: see Section C.2.1..

Principles

An excellent introduction to this scheme, which this document summarises, can be found in the Green Certificate Specific Annual Report (*Rapport annuel sur le fonctionnement du marché des certificats verts*). Even more details are available in the relevant legislation mentioned in C1.

Suppliers of electricity need to redeem a given quota of green certificates every year. They are fined 100 € per missing Green certificate (GC).

GCs are issued to the producer according to the generated electricity and to the environmental performance of the generation (i.e. avoided CO₂ emissions):

$$GC = E_{\text{enp}} \times \tau$$

Where

- E_{enp} is the net generated electricity;
- τ is the avoided CO₂ emission factor.

This calculation is performed for every generation period. Typical values for τ and for income are given in the table below.

Total turnover for green electricity production is a sum of the following:

- (a) Electricity sales;
- (b) GC sales;
- (c) Brussels GO Certificates sales.

Green certificates and Brussels GO Certificates are freely tradable from each other as well as from the electricity. Producers, traders and suppliers therefore hold both a GO Certificates account and a GC account at BRUGEL. Neither is convertible into the other.

Green certificates or their value for quota obligations may be exported or imported from another country or region with quota obligation provided some conditions are met. Apart from these conditions (similar system

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as in Brussels) Brussels may decide to require mutual recognition or reciprocity. Currently, GCs are exported from CWAPE to BRUGEL. Technically, only a redemption statement is exported to Brussels.

Table 1 - Turnover a green production device could generate in Brussels in 2007.

Technology	Typical ranges for coefficient τ^6	Coefficient τ cap	Turnover (in €/ MWh)			
			GC ⁷ (€/MWh)		El ect r.	GO
			Min ⁸	Max		
Photovoltaic	5 - 7,272	2 above 1 MW	150	727	Mar ket rate	Mar ket rate
Wind power	1,82	-	50	182		
Hydraulic	1,82	-	50	182		
Biomass	1,82 - 4	2 above 1 MW	20	182 to 400		
Biomethanation	1,82 - 17,42	2 above 1 MW	20	182 to 1742		
Biomass Cogeneration	1,82 - 4	2 above 1 MW	20	182 to 400		
Fossil Cogeneration	0.1 - 0.4	-	-	10 to 40		

Interactions between GC and Brussels GO Certificate

Distinction between Brussels GO Certificates and GC's is clear:

- Brussels GO Certificates were created to inform the final customer of the quality or method used to generate the electricity it consumes. Redeeming Brussels GO Certificates is the only way a supplier may market electricity as having a given quality (green, renewable, CHP or whatever) and therefore Disclose its "fuel mix". A Brussels GO Certificate may not be used for quota obligations.
 - (a) This purpose of clarity to the final customer explains why Brussels GO Certificates delivered for on-site consumption by autoproducers are redeemed.
- GC's are designed to stimulate investment in green generation capacity. Redeeming GC's is the only way a supplier may avoid the penalty for lack of investment in green generation. A GC may not be used to "green" electricity.
- Consequently, one could imagine having
 - (b) A supplier selling only green electricity which is fined for not supporting investment in green generation;
 - (c) A supplier selling only grey electricity which is supporting investment in green generation by purchasing enough GC's from independent producers or generating green himself.
- According to the qualification criteria, a given MWh may give rise to a Brussels GO Certificate only (eg. biomass fraction in a waste combustion plant, which does not generate CO₂ reduction), a GC only (eg, a MWh does not reach the threshold of 5% for avoided CO₂ emission factor, but simultaneously is recognised a high efficiency CHP; this is quite unlikely) or both a GC and Brussels GO Certificates.

Therefore, GC's and Brussels GO Certificates share only a unique registration of the production device, and subsequent inspections; and unique metering data.

⁶ Fixed coefficient for solar, wind and hydro, periodically variable coefficient according to performance for others.

⁷ Actual GC income depends on price paid for GC. In the last years, market price hovered around 92 €/GC. This price should be compared to GO price which was around 1 €/ GO.

⁸ A guaranteed price per MWh can be achieved by way of a guaranteed minimum price for the certificate. This minimum price exists for all renewable technologies for 10 years by an unconditional but low priced by the Federal Government.