

**EECS GoO RES-E
Domain Protocol**

**for
Denmark**

Prepared by Energinet.dk

Version [1.3]

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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 an 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 Energinet.dk by agreement in the form of the Standard Terms and Conditions. The duties under this Domain Protocol are owed specifically between Energinet.dk 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.

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 Energinet.dk and may only be amended or added to by Energinet.dk in accordance with section J below.
- B1.2 This Domain Protocol for Denmark applies to Denmark, in conjunction with EECS GoO RES-E Certificates held within the EECS Registration Database.

B2 Responsibility

- B2.1 Energinet.dk 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 or legally appointed agents of Energinet.dk. The basis for location of functions is explained under each function respectively.
- 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 Denmark this function is performed by Energinet.dk, Section Metering and Settlement – Electricity. The charges for accounts and transactions are shown on the website www.energinet.dk
- B2.4 The CMO is a section in Energinet.dk and consequently responsible for the authorisation of Certificates and issuing of Certificates.

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 Section Metering and Settlement – Electricity being the person appointed by Energinet.dk to administer the operation of the EECS Registration Database for the purposes of EECS GoO RES-E within Denmark;
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 Denmark 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 EECS GoO RES-E within Denmark;
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;

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 Energinet.dk has been appointed to act as the registration database administrator for GoO RES-E in Denmark.

D2 Supplementary Definitions

- D2.1 This Domain Protocol supplements the terms of the GoO RES-E Scheme as set out in [Executive Order no. 1 of January 6th 2004 "Bekendtgørelse om oprindelsesgaranti for VE-elektricitet"](#)¹, pursuant to the Electricity Act..
- D2.2 An EECS Certificate Issued under the GoO RES-E scheme constitutes a GoO RES-E Certificate under Executive Order no. 1 of January 6th 2004 "Bekendtgørelse om oprindelsesgaranti for VE-elektricitet" or is derived from and incorporates the relevant electronic data from one or more GoO RES-E Certificates issued under Executive Order no. 1 of January 6th 2004 "Bekendtgørelse om oprindelsesgaranti for VE-elektricitet" and exclude the issuing of any other kind of Guarantee of Origin for the same amount of production.
- 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 set out in the Directive (2001-77-EC) and are summarised here. In the event of any differences, the definitions of the Directive take precedence.
- (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.
- (a) [Following Executive Order no. 1 of January 6th 2004 80 % of the electricity produced at a waste incineration plant shall be regarded as RES electricity, unless the electricity producer proves to the system operator that a larger fraction of the supplied waste is biodegradable.](#)

D4 Support Schemes

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

¹ Executive Order on Guarantee of Origin for RES Electricity

D5 Certificate Face Values

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

- (a) 1MWh

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 an EECS GoO RES-E Scheme Participant.

E1.2 The application form to open an Account can be found in Annex 5 and on the website www.energinet.dk.

E1.3 The EECS GoO RES-E Scheme Participant must contract with Energinet.dk under the Standard Terms and Conditions.

E1.4 Energinet.dk 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.

E1.5 All electricity producing devices are subject to registration in Denmark due to the "Executive Order on Verification and Control of Payments to certain forms of Electricity" (regardless whether they receive payment or not). The registration is carried out by the Grid Companies under order from the Danish Energy Authority (DEA) and instruction from Energinet.dk. The complete Central Registry is operated and kept by Energinet.dk. Basic information for all Production Devices is made public on www.ens.dk (website of DEA).

E1.6 All electricity production and exchange (import/export) is subject to measurement carried out by the Grid Company under regulation from the TSO (Energinet.dk).

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 Denmark in the EECS Registration Database.

E2.2 The Registrant of the Production Device must provide evidence to the satisfaction of Energinet.dk 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 a power of attorney or other documentation proving authority.

E2.3 An applicant registering a Production Device must provide the following information (information in curly brackets "{}" are already subject to mandatory registration and can be drawn from the central registry or documentation held by the Grid Company):

- (a) the applicant's CPR-number or CVR-number (personal or company registration number);
- (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 (X,Y coordinates for wind turbines)};
- (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, 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 Energinet.dk};
- (n) {a diagram of that Production Device, including details the location of:
 - (i) the Export Meter(s) for the Production Device;
 - (ii) any transformer substations at the site of the Production Device;
 - (iii) any generating auxiliaries for the Production Device; and
 - (iv) any Import Meters for the Production Device}.

E2.4 The registration form “Anmodning om udstedelse af oprindelsesgarantier for VE-electricitet²” authorises Energinet.dk to copy all the items listed in E2.3 above to the EECS Registration Database RECSCMO. The form can be found in Annex 2 to this Domain Protocol and on www.energinet.dk.

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 Energinet.dk 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 Details on production subsidy or any other Public Support are subject to registration by the TSO (Energinet.dk). The Registrant must confirm on request any 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 Energinet.dk, will respond to the application within 5 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, Energinet.dk, 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 Executive Order no. 1 of January 6th 2004, 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 not fitted with Meters fulfilling the regulation from the TSO (Energinet.dk)³; 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.

² Request for issuing of Guarantees of Origin for RES-E

³ Which also include import meter

E2.12 Energinet.dk has assigned a unique identifier to each registered Production Device.

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 Energinet.dk of data provided in the course of its application for registration in relation to each of its Production Devices registered on the database on the website of the DEA (www.ens.dk) and RECSCMO (<https://www.recscmo.org>) 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 Energinet.dk 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), Energinet.dk will evaluate the impact of the changes on the Qualifying Criteria and respond to the Registrant before the next monthly issuing of certificates specifying the decision taken.

E3.3 Where Energinet.dk 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 Energinet.dk of any intent to close his account using the form shown in Annex 5. The effective date of closure must not be less than 5 working days from the date of receipt by Energinet.dk.

E4.2 Energinet.dk will amend the EECS Registration Database to seal that Account as of the effective date on the request or 5 working days from the date of receipt by Energinet.dk whichever is the later.

E5 Withdrawing from the Scheme - Deregistering a Production Device

E5.1 The Registrant must notify Energinet.dk of his request that Energinet.dk terminates the issuing of certificates for his Production Device in writing.

E5.2 The production Device will remain in the Registry and be subject to control as long as it stays connected to the grid.

F PRODUCTION DATA

F1 Metering

F1.1 Only Production Devices that are equipped with metering equipment that complies with the relevant regulations shall be registered.

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) Tekniske krav til elmåling (Regulation – Technical Requirements for Electricity Metering)

(b) Market regulations for handling, quality management and reporting of metering data

Version in force are published on www.energinet.dk

F2 Data Provision

F2.1 If the Registrant has asked for EECS GoO RES-E Certificates for his Production Device in an issuing period, meter readings are processed directly from the balance settlement system by Energinet.dk.

(a) If the Production Device has a single energy source (i.e. excluding biomass) data are processed directly

(b) If the Production Device has multiple energy sources (i.e. including all biomass), the Registrant must submit a Production Declaration for that Production Device for every issuing period as defined in G1.2 below.

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

F2.2 The Registrant is not responsible for the timely delivery of accurate metering data for his Production Device. The Measurement Body is responsible.

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) Energinet.dk 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) the Registrant shall pay Energinet.dk the cost of securing the agreement of another Account Holder to the Withdrawal of EECS GoO RES-E Certificates of the same type from that other Account Holder's Transferables Account,

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 Metering data for his Production Device is always processed by Energinet.dk in the Balance Settlement System but only transferred to and processed in the EECS Registration Database RECSCMO for periods where certificates are issued.

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.

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 Denmark;
 - (ii) registered in the EECS Registration Database of Energinet.dk as qualifying for EECS GoO RES-E Certificates; and
 - (iii) the Registrant of which does not have any outstanding fees payable to Energinet.dk or its agents in conjunction with EECS GoO RES-E Certificates;
- (b) in respect of the qualifying energy output of such a Production Device during any period in which it was registered in an EECS Registration Database for the purposes of the EECS GoO RES-E scheme; and
- (c) to an Account Holder who does not have any outstanding fees payable to Energinet.dk or its agents in conjunction with EECS GoO RES-E Certificates, and
- (d) as both EECS GoO RES-E and EECS RECS certificates.

G1.2 Subject to G1.1 above EECS GoO RES-E Certificates are issued on demand of the Registrant against energy data in accordance with F2.2 above on a monthly basis, 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 Certificate is Issued in respect of the same qualifying energy output.

G1.5 The CMO will deposit the Certificates in the Transferables Account nominated by the Registrant within the EECS Registration Database no later than the 15th or first following working day in the month after the issuing period.

G1.6 The EECS GoO RES-E Certificates shall be issued in such format as may be determined by AIB from time to time.

G1.7 An 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 An EECS GoO RES-E Account Holder can hold EECS GoO RES-E Certificates in an account within the EECS Registration Database for Denmark.

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

G2.2 The Account Holder can get secure electronic access to the Account to make transfers of Certificates to another Account in the same EECS Registration Database or to another EECS Registration Database for EECS GoO RES-E Certificates in another Domain through the website <https://www.recscmo.org>

- 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, Energinet.dk 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 Energinet.dk is notified by another EECS Registration Database operator of a Transfer Request including details of an 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 Energinet.dk 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, Energinet.dk 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 Denmark 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) Energinet.dk receives a Transfer Request in respect of an 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 an 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 immediately.
- (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 2 working days.
- (c) On receiving an export message, the CMO will execute that message within 2 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 2 working days.

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

G2.9 The Account Holder is required to retain all records to which he has had access relating to EECS GoO RES-E Certificates for a period not less than 10 years..

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, an 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 request is given electronically through the web site [https:// www.recscmo.org](https://www.recscmo.org).

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 redemption request is made using the redemption functionality on <https://www.recscmo.org>

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

- (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 an EECS GoO RES-E Certificate will be executed within 1 working day.

G3.6 On request from an Account Holder, the CMO will produce a standard format, non-transferable, redemption statement within 1 working day. 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) Any other information to be included on the statement
- (d) The production/issuing date if not sufficiently identified in (a) above.

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

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

G4 **Splitting**

G4.1 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 Energinet.dk may withdraw an 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, an 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,

Energinet.dk 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 Energinet.dk may Withdraw or alter an 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 Energinet.dk may alter an 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.

H MONITORING AND REPORTING

H1 Monitoring

- H1.1 The Registrant, on behalf of the owner and operator, of a Production Device must permit Energinet.dk, 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 Energinet.dk, 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. Energinet.dk 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 Energinet.dk, 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.
- H1.5 All regulations under Section H are covered by ISO 9001 certified Quality Management System.

H2 Activity Reporting

- H2.1 In order to maintain an open and orderly market, Energinet.dk has a duty to publish information in relation to the activities of that market.
- H2.2 Each Production Auditor will report to Energinet.dk every 6 months specifying the auditing measures it has carried out in the preceding 6 months.
- H2.3 Energinet.dk 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 Denmark.

H3 **Exception Reporting**

H3.1 Where as a consequence of an inspection conducted pursuant to H1 above, Energinet.dk 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, Energinet.dk 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 this Domain Protocol or the Standard Terms and Conditions by the Registrant, the termination of issuing for the relevant Production Device for the purposes of the EECS Scheme; and
- (b) notify the AIB of such breach where Energinet.dk 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 Energinet.dk 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 Energinet.dk 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 Energinet.dk 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 approved internal auditor or an agent of Energinet.dk. Production Auditors are listed in the ISO 9001QMS manual.
- I1.3 The ISO 9001 QMS Manual for Energinet.dk states the requirements to be approved as auditor.
- I1.4 The Production Auditor is assigned by Energinet.dk and must be independent of the owner or the Registrant of the Production Device.
- I1.5 The Production Auditor will receive information about the issued EECS GoO RES-E Certificates and the registered information relating to the Production Device for the period being reviewed
- I1.6 The Production Auditor will report any discrepancies from the registered information to Energinet.dk as soon as possible.

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 carried out by the local Distribution Grid Company.
- I2.2 The full list of Distribution Grid Companies with concession is available on the website www.ens.dk (Danish only).
- I2.3 Reporting to the central registry is a mandatory task for the Distribution Grid Company.
- I2.4 The Registrant, on behalf of the owner and operator, of a Production Device must permit Energinet.dk, 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 also performs the role of Measurement Body..

I3 Measurement Body

- I3.1 A Measurement Body is an organisation responsible for the collection of metering data relating to the output of the Production Device.
- I3.2 The Measurement Body is the local Distribution Grid Company.

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 Energinet.dk.
- J1.3 On receipt of such a request, Energinet.dk will:
- (a) Respond to the request within 5 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 Denmark;
 - (c) Decide whether the request and its consequences are in its opinion reasonable;
 - (d) Inform the EECS GoO RES-E Scheme Participants within Denmark the outcome of this decision.
- J1.4 Energinet.dk 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 (<https://www.recscmo.org>).

K ASSOCIATION OF ISSUING BODIES

K1 Membership

- K1.1 Energinet.dk 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 Energinet.dk 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 Denmark.
- K1.4 Should Energinet.dk decide to withdraw from AIB membership in respect of EECS GoO RES-E in Denmark, 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 and Production Auditor

Company	Energinet.dk
Contact Person	Section Metering and Settlement – Electricity
Address	Fjordvejen 1-11, 7000 Fredericia
Country	Denmark
Phone number	+45 76 22 40 00
Email address	Afregning@Energinet.dk

Production Registrars and Measurement Bodies

Company	Local Distribution Grid Company.
Contact Person	www.ens.dk (GIS solution can point out the licensed DGC)
Address	
Country	
Phone number	
Email address	

Annex 2 – Request for issuing of Guarantees of Origin for RES Electricity.

(separate document)

Annex 3 – Energy Source Types and Technology Types

Source ⁴	Technology	Type	Combustion	Code
Wind	Wind turbine	Onshore	No	01
		Offshore	No	02
Solar	Photovoltaic		No	03
	Thermal		No	04
Energy from water ⁵	Hydro power		No	05
	Tidal energy	Onshore	No	06
		Offshore	No	07
	Wave energy	Onshore	No	08
		Offshore	No	09
Geothermal			No	10
Biomass, using gasification and non-gasification technologies ⁶	Energy crops		Yes	11
	Forestry and agricultural by-products and waste		Yes	12
	Biogas	Landfill gas	Yes	13
		Sewage gas	Yes	14
		Other	Yes	15
	Energy from by-products and waste (with varying levels of filtration) ⁷	Municipal solid waste	Yes	16
		Industrial by-products and commercial waste	Yes	17
Coal			Yes	50
Gas			Yes	60
Oil			Yes	70
Nuclear			No	80
Other			Yes ⁸	90
Chemical industrial gases			Yes	91
Non-renewable proportion of waste			Yes	92

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

⁴ Note that there is no generic code for “renewables”: these must be coded by type.

⁵ Electricity used for pumping in Pumped Hydro is excluded in the calculation of renewable energy.

⁶ As defined in the Renewable Energy Directive, the Large Combustion Plants Directive and the Waste Combustion Plants Directive.

⁷ Note that certificates will only be issued for the estimated non-fossil proportion (i.e. excluding plastics) of Energy from By-Products and Waste.

⁸ Note: this might include both combustible and non-combustible energy sources, but is defaulted to “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 EECS GoO RES-E Certificates within this time period. An approved independent Production Auditor must verify sections II to IV of this Production Declaration.

I. Owner of Production Device/Generator

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

II. Production Device

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

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

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

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

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

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

Energy from by-products and waste (with varying levels of filtration, municipal solid waste industrial by products and commercial waste)	kg						
Sewage gas	kg						
Total Biomass	kg						
Non biomass					Mⁱ	Cⁱ	Lⁱ
Specify fuel	kg						
Total non-biomass	kg						
Energy Source Factor (in accordance with F2.6)	$L^i = \frac{\sum_i^j M^i x C^i}{\sum_i^n M^i x C^i}$						

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

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

V. Verification of the Production Declaration

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

Name.....

On behalf of Production Auditor

VI. Number of Certificates

Proportion of eligible MWh for which certificates are being applied is: 100% / _____ MWh (complete as applicable).

VII. Signature for the Registrant

Name

On behalf of

Date

Annex 5 – Account Application/Amendment Form

Application for account opening/amendment in Denmark 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 Denmark 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 <zip><location> e.g. B-1000 Brussels <country> e.g. Belgium
Account Number	<account number> e.g. 04X00000B1
Redemption Date	<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

	Production Device ID	Domain of Origin	Certificate Type	Energy Source	Support Type	Additional Remarks by the Issuing Body
1	70705230001000XXXX	NO	1 and 2	03	0	
2	70705230001000XXXX	NO	3	11	1	
3	70705230001000XXXX	NO	2	05	3	

Redeemed Certificates

	From Certificate ID	To Certificate ID	Number of Certificates	Number of MWh Represented	Issuing Date	Production Period from / to
1	64206164132250081000XXXXXXXXXX	64206164132250081000XXXXXXXXXX	100	100 000	yyyy-mm-dd	yyyy-mm-dd - yyyy-mm-dd
2	64206164132250081000XXXXXXXXXX	64206164132250081000XXXXXXXXXX	100	100 000	yyyy-mm-dd	yyyy-mm-dd - yyyy-mm-dd
3	64206164132250081000XXXXXXXXXX	64206164132250081000XXXXXXXXXX	100	100 000	yyyy-mm-dd	yyyy-mm-dd - yyyy-mm-dd