EECS Electricity

Domain Protocol

for

Denmark

Prepared by Energinet

Based on EECS Rules Release 7 v7

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Document Control

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Version	Description
1	Updated after audit 2015/16 New AIB Template v7.
2	Mandatory Audit Update. Misspelling corrected in a header. Company name Energinet.dk replaced by Energinet.

Contents

A Introduction

The framework specified in the EECS Rules and the detailed procedures and conditions specified in this Domain Protocol have the main objective of ensuring robustness and transparency in the facilitation of EECS Schemes for all EECS Market Participants.

In case a Danish legal text has been translated into English the Danish version will always be the one in force and the translation is not legally binding.

A Domain Protocol promotes quality and clarity, as it:

- makes local rules transparent;
- provides clear information to all stakeholders (consumers, market parties, other members, government, the EU Commission etc.);
- facilitates assessment of compliance and permissible variance from the EECS Rules;
- facilitates audit; and
- translates local rules into a single format and language, supporting each of the above.

Important contact information is provided in Annex 1.

B General

B.1 Scope

B.1.1. This Domain Protocol sets out the procedures, rights and obligations, which apply to the Domain of Denmark and relate to the EECS Electricity Scheme as defined in the EECS Rules.

B.1.2. Production Device qualification for this Domain will be determined by connection to the electricity system of Denmark such that, in electrical terms, the Production Device is effectively located in Denmark.

B.1.3. Energinet is authorised to Issue EECS Certificates relating to the following EECS Product(s):

- Guarantee of Origin
    - Both for Source and Technology product types

B.2 Status and Interpretation

B.2.1. The EECS Rules are subsidiary and supplementary to national legislation.

B.2.2. The EECS Rules and its subsidiary documents are implemented in Denmark in the manner described in this Domain Protocol. Any deviations from the provisions of the EECS Rules that may have material effect are set out in section C.5 of this document.

B.2.3. The capitalised terms used in this Domain Protocol shall have the meanings ascribed to them in the EECS Rules except as stated in section C.5 of this document.

B.2.4. This Domain Protocol is made contractually binding between an EECS Market Participant and Energinet by agreement in the form of the Standard Terms and Conditions.

B.2.5. In the event of a dispute, the approved English version of this Domain Protocol will take precedence over a local language version.

B.3 Roles and Responsibilities

B.3.1. The Authorised Issuing Body for GOs in Denmark is Energinet. Its role is to administer the EECS Registration Database and its interface with the EECS Transfer System.

B.3.2. The Competent Authority for GOs in Denmark is Energinet. Its role is defined by legislation to be responsible for the operation of the EECS certificate system in Denmark.

B.3.3. The following roles are defined in the Danish Domain:

Issuing Body

Energinet has been designated as Competent Authority for Denmark, and shall supervise the issuance, transfer and cancellation of EECS GO and HEC-GO certificates in Denmark.

Energinet is responsible for the operation of the EECS Scheme for this Domain. Some of the functions facilitating system operation may be contracted out to approved agents of Energinet.

Central Monitoring Office (CMO)

The Central Monitoring Office (CMO), Energinet, is the primary role in the operation of the EECS Scheme in Domain Denmark. The function of the CMO is to administer and maintain the database of the qualifying Production Devices and EECS Scheme Certificates for that Domain.

The charges for accounts and transactions are shown on the website www.Energinet.

The CMO is not responsible for the authorisation of Certificates, although it is responsible for 'issuing' certificate records within this registry.

The Section Retail Market and Market Operations - Electricity being the unit appointed by Energinet to administer the operation of the EECS Registration Database.

EECS Market Participant

EECS Market Participant is an Account Holder and/or a Registrant of a Production Device on the EECS Registration Database.

Production Auditor

The Production Auditors in Denmark are the Distribution System Operators (DSO). In the Danish domain the DSO is also defined as Grid Companies.

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. This is to ensure the continued fulfilment of the conditions of registration.

To be an agent of the Production Auditor, the company must gain approval from Energinet. The operation of the Production Auditor is under the control of Energinet who is a member of the Association of Issuing Bodies. Production Auditor is independent of the owner or the Registrant of the Production Device.

Production Registrar

Energinet must verify the information given in the application, but can delegate the activity to a Production Registrar as his agent. The full list of authorised Production Registrars (The Distribution System Operators (DSO) with concession) is given in Annex 1 to this document and on the website www.ediel.dk

The structure of charges to the applicant for this service and verification timings for each Production Registrar are shown on the website of each production registrar.

The Registrant, on behalf of the owner and operator, of a Production Device must permit Energinet, 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.

A Production Registrar may also perform the role of Authorised Measurement Body.

Authorised Measurement Body

The Distribution System Operator (DSO) is the Authorised Measurement Body. The Authorised Measurement Body is responsible for the measurement of metering data relating to the output of the Production Device. They are the bodies established under Danish law to be responsible tfor the collection and validation of measured volumes of energy used in national financial settlement processes. The full list of Measurement Bodies approved to provide data for EECS Scheme in Denmark is given in Annex 1 to this document and on the website www.ediel.dk.

The Section Retail Market and Market Operations - Electricity being the unit appointed by Energinet to maintain the first-level account holder support regarding certificates, measurement data, errors and corrections.

Grexel Systems Ltd being the first-level support regarding technical issues related to the operation of the central registry system.

B.3.4. Contact details for the principal roles and Issuing Body agents are given in Annex 1.

B.3.5. The EECS Registration Database operated by Grexel Systems Ltd. can be accessed via the website cmo.grexel.com.

B.3.6. The following are valid EECS Product: Independent Criteria Scheme combinations which can be Issued under this Domain Protocol:

EECS Product	Independent Criteria Scheme
EECS GO	
HEC-GO	

C Overview of National Legal and Regulatory Framework

C.1 The EECS Framework

C.1.1. For this Domain, the relevant local enabling legislation is as follows: National legislation regarding the obligations for Energinet (in English)

- Excerpts of the Act on Electricity Supply
  Rules regulating that the one requesting guarantees of origin will meet the necessary costs of issuance, transfer and cancellation of guarantees of origin and the control and supervision of the accuracy of the information.
  Entered into force on March 23, 2012
- Notice of guarantees of origin for renewable energy electricity *Entered into force on November 30, 2010.*
- Notice of origin for electricity from high efficiency cogeneration
  Entered into force on February 16, 2007.

The following relevant EU Directives are implemented in Denmark:

- DIRECTIVE 2009/28/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 23 April 2009 on the promotion of the use of energy from renewable sources and amending and subsequently repealing Directives 2001/77/EC and 2003/30/EC
- "COMMISSION DELEGATED REGULATION (EU) 2015/2402 of 12 October 2015 reviewing harmonised efficiency reference values for separate production of electricity and heat in application of Directive 2012/27/EU of the European Parliament and of the Council and repealing Commission Implementing Decision 2011/877/EU" is in Danish Energy Authority (DEA)'s final implementation/review phase, taking effect June the 1st 2016 going forward.

C.1.2. Energinet has been properly appointed as an Authorised Issuing Body for GOs under Executive Order no. 1323 of 30/11/2010 "Bekendtgørelse om oprindelsesgaranti for VE elektricitet", and Executive Order no. 146 of 16/02/2007 "Bekendtgørelse af oprindelsesgaranti for elektricitet fra højeffektiv kraftvarmeproduktion" pursuant to the Electricity Act. The Executive Order can be found here (in English):

- Notice of guarantees of origin for renewable energy electricity
- Notice of origin for electricity from high efficiency cogeneration

C.2 National Electricity Source Disclosure

C.2.1. Legislation and regulation:

The Danish legislation concerning disclosure is stated in the Executive Order BEK nr 1322 af 30/11/2010**.** "Bekendtgørelse om deklaration af elektricitet til forbrugerne (Elmærkningsbekendtgørelsen)". The Executive Order can be found here (in Danish):

- Bekendtgørelse om deklaration af elektricitet til forbrugerne (Elmærkningsbekendtgørelsen)

Description of procedures and provisions can be found on the webpage of Eneginet.dk:

- Description of procedures for disclosure

C.2.2. Summary of the disclosure methodology and process:

By 1st July each year electricity trading companies need to provide disclosure information based on the previous calendar year. Companies can either use a general electricity label (default) or an individual electricity label (used for explicit tracking). Energinet prepares the general label.

Companies can on voluntary basis market individual electricity products. RES-E and HE-CHP may only be disclosed to consumers if they are tracked by GO. The following rules apply when using GOs from renewable energy sources (RES-GO) for disclosure in Denmark:

All RES-GO which are meant to be used for the disclosure period of year x should be cancelled within their 12 month lifetime and before deadline of 31 March year x+1. RES-GO which are not expired until this deadline can be used for the disclosure period of year x+1 instead.

RES-GO issued for production in year x cannot be used for the disclosure period of year x-1 and can until 31 March year x+1 only be used for the disclosure period of year x.

The law on electricity disclosure applies on electricity suppliers. Electricity disclosure for domestic production (roof-top PV) for own use is out of the scope of Energinet. Theoretically GOs could be issued for net electricity exported to the grid by such installations, but this is not the case in practice.

More comprehensive information is available here:

- Guidelines for preparing individual guidelines (in Danish)

C.2.3. Residual Mix:

By 1 June each year Energinet publish the Danish residual mix (general label). The calculation of the general label in year x is performed like this (for simplicity only RES-GO is included here):

Available production attributes = Electricity production in Denmark year x - issued RES-GO in Denmark (based on production in year x) + expired RES-GO in the Danish registry issued for production in April year x-1 to March year x. In case of deficit in Denmark - i.e. available production attributes are less than the untracked consumption in Denmark - the European Attribute Mix (from the RE-DISS project or follow-up organization) is used for balancing.

More comprehensive information is available here:

- Guidelines for preparing individual guidelines (in Danish)

C.3 National Public Support Schemes

Support schemes for new electricity producing units in Denmark

In Denmark the production of electricity from renewable resources is supported through price premiums and fixed feed- in tariffs. Historically the level of support has changed numerous times, but it is a general rule that the support scheme which was in place when a production unit was connected to the grid, applies in the lifetime of the production unit. As a result there is a high level of certainty about future support, at the time of investment.

In the summer of 2008 the level of support was increased for electricity produced from biomass, biogas and wind turbines. The support level for production from solar PV, wave power, fuel cells running on renewable fuels etc. remains unchanged, but a special fund of 25 mil DKK pr. year in four years has been introduced to support projects which promote these technologies. Development and demonstration of new energy technologies is supported by the EUDP fund which distributes 750 mil DKK in 2009 and 1 bill DKK in 2010 and each year onwards.

The support schemes are adjusted regularly in relation to the current politics. The relevant supporting schemes is listed in the link below and will be updated when support schemes changes over time.

- Support schemes for new electricity producing units in Denmark – an overview

C.4 EECS Product Rules

C.4.1. The EECS Product Rules as applied in Denmark are set out within sections D and E of this document.

C.5 Local Deviations from the EECS Rules

C.5.1. Contrary to EECS Rule C2.2.3, and unless otherwise directed by legislation, the registration of a Production Device as qualifying for the EECS Schemes in the EECS Registration Database will not expire.

The Production Devices are already subject to mandatory registration and all information or documentation can be drawn from the central registry held by the DSO: Where necessary, Energinet will amend with immediate effect the relevant records in the EECS Registration Database to indicate that the Production Device no longer qualifies for the EECS Scheme.

For wind PDs, on-site inspection is done every 2 years. There are no regular on-site inspections for other Production Devices. However, the Danish certification registry relies on law enforced registrations performed by the DSOs and on positive listings of approved equipment by DEA Energy Agency (www.ens.dk).

D Registration

D.1 Registration of an Account Holder

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 Market Participant. The link to the application form to open an Account can be found in Annex 2 and on the website www.energinet.dk. The EECS Market Participant must contract with Energinet under the Standard Terms and Conditions. The processing time of complete Account applications by Energinet is 10 working days.

Applicants can be i) owners of production devices, ii) agents behaving on behalf of the owner or iii) traders. The same application procedure is used for all types of applicants.

Energinet will issue each authorized user with a client certificate and password to enable users to access the registry and secure communications. It is the responsibility of the EECS Market Participant to keep such identification secret.

Energinet is following the guidelines issued by the Danish Energy Authority (DEA) and AIB regarding user access to the registry system.

Service fees can be found at the registry website cmo.grexel.com

In very limited circumstances, including recovery of undisputed debt from an EECS Market Participant in default or purchases for its own use, Energinet can buy and sell certificates. Such activities are reported to the Association of Issuing Bodies.

D.2 Resignation of an Account Holder

Withdrawing from the Scheme - Closing an Account.

The Account Holder must notify Energinet of an intent to close his account. The effective date of closure must not be less than 10 working days from the date of receipt by Energinet.

Energinet will amend the EECS Registration Database to seal that Account as of the effective date on the request or 10 working days from the date of receipt by Energinet whichever is the later.

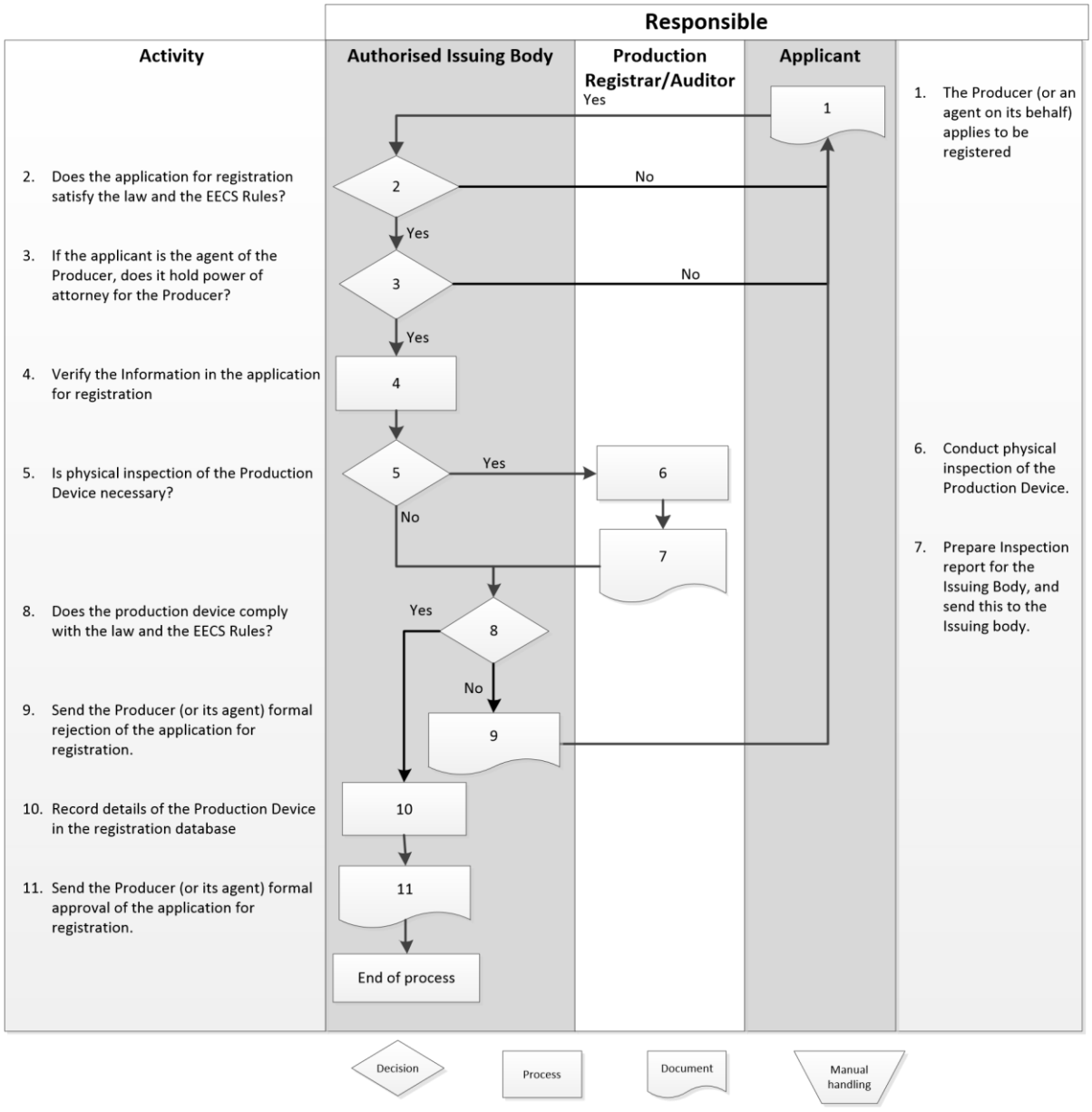
Closing a single user account to a given Certificate Account can be handled immediately.

D.3 Registration of a Production Device

If a PD is connected to the grid, (= condition to be eligible for price premiums, feed-in, GOs), it has to be registered by the DSO in the central database called Selvbetjening (Self Service), checked against the CVR (central register of companies). This information is mailed automatically to the Energinet Panda mailbox. Panda is the Energinet registry for production and plant data. Data are introduced in the Panda database manually (automated for small PDs). Every plant has a GSRN number for identification in all databases.
The plant is subsequently registered in the Grexel CMO on behalf of the account holder by Energinet. A copy of the contract between the account holder and the PD owner has to be submitted. Energinet has a draft contract for this. There are

only a limit number of Account Holders in the CMO, namely the large market parties. The more than 4000 producers almost all conclude a written agreement with one of these account holders for trading their GOs. So the plant owner is seldom a direct account holder in the database.

The registration procedure can be described as follows:



1. Only the owner of a Production Device, or a Registrant duly authorized by the owner, may register a Production Device, which is located in Denmark in the EECS registration Database.
    a. An applicant registering a Production Device must provide a registration form. The registration form authorizes Energinet to copy all the items listed in the form to the EECS Registration Database, cmo.grexel.com. The link to this form can be found in Annex 3 to this Domain Protocol and on www.Energinet

   b. The Registrant must warrant that the information provided to Energinet in connection with its application is complete and accurate and that the Production Device meets the qualification criteria for EECS Scheme and respective Product.
   c. All payments and subsidies given to the Production Device are known by Energinet. If needed, the Registrant must provide the relevant data to prove this.
2. The Registrant of the Production Device must provide evidence to the satisfaction of Energinet that it has the appropriate authority to register the Production Device and that it can comply with the requirements of the EECS Scheme and this Domain Protocol with respect to the imposition of duties on the owner and/or operator of the Production Device.
3. Such evidence being a power of attorney or other documentation proving authority.
4. 5/6/7: 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 DSO’s under order from the Danish Energy Authority (DEA) and instruction from Energinet. The complete Central Registry is operated and kept by Energinet. Basic information for all Production Devices is made public on www.ens.dk (website of DEA).
   a. Where the Production Device is already accredited to another EECS Scheme or legislative support scheme, the CMO, Energinet, may determine that part or all of the verification of this application is not required.
8. /9: An application for the registration of a Production Device for the purposes of an EECS Scheme will be rejected if:
   a. 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 the Production Device;
   c. the consumption of one or more generating auxiliaries for the Production Device is not determined by an Export Meter, and it is not fitted with Import Meters
   d. the Production Registrar is prevented from satisfactorily verifying the application by the applicant or the owner or operator of the relevant Production Device.
10. On successful completion of the registration process, Energinet will register the Production Device in to the EECS Registration Database and assign an already given 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. Registrant is notified that the registration has been approved through the Active status of the Production Device in the database.

    The registration procedure is fulfilled within 1 working day.

    The Registrant consents to the publication by Energinet and/or the 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 cmo.grexel.com with the exception for:

- detailed descriptions of plant and equipment.
- graphical representations of the Production Device, including diagrams and photographs; and
- details of:
    - the person responsible for the application; and
    - where the Registrant of the Production Device is not its owner, the Production Device's owner.

D.4 De-Registration of a Production Device

D.4.1. Withdrawing from the Scheme - Deregistering a Production Device

The Registrant must notify Energinet of intent to deregister his Production Device in writing.

A written notification of deregistration of a Production Device must be sent to Energinet within the end of the month following the last issuing period.

The remaining certificates on the account of such a Registrant, will be available for 12 months. Hereafter they will expire as per definition in chapter 10.4 of a certificate in Europe /Dansk standard DS/EN 16325.

When an owner of a Production Device is changing to another Account Holder for managing his GOs, Energinet will require the new Account Holder of the Production Device to take contractual liability for the PD information.

D.4.2. Withdrawing from the Scheme - Registration Expiry

Unless otherwise directed by legislation, the registration of a Production Device as qualifying for the EECS Scheme in the EECS Registration Database will not expire.

The Production Devices are already subject to mandatory registration and all information or documentation can be drawn from the central registry held by the DSO: Where necessary, Energinet will amend with immediate effect the relevant records in the EECS Registration Database to indicate that the Production Device no longer qualifies for the EECS Scheme.

D.5 Maintenance of Production Device Registration Data

Information regarding the Production Devices within the EECS Registration Database will on a regular basis be controlled against the information from the Central Registry described in Section D.3.

In case of discrepancies between the Central Registry and the EECS Registration Database, information from the Central Registry will be applied. Energinet will manually change information in the EECS Registration Database. The Production Device will be informed of the changes in registered data.

The Owner of a Production Device is responsible for informing the DSO of any planned changes to the registered information immediately. The DSO is responsible for informing Energinet of the changes.

The owner of the Prodcution Device must inform the DSO of any planned changes due to come into effect that will result, or unplanned changes that have resulted, in:

- the information recorded in the EECS Registration Database in relation to the Production Device becoming inaccurate; or
- the Qualification Criteria for the EECS Scheme ceasing to be satisfied with respect to that Production Device.

The DSO must notify Energinet of the changes. Energinet under its discretion reports irregularities to the regulator.

On receipt of a change of details notification (following an inspection or otherwise), Energinet 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.

Where Energinet becomes aware that a Production Device no longer fulfils, or will no longer fulfil, the Qualification Criteria, the EECS Registration Database record for that Production Device will be updated to shown that the Production Device no longer qualifies for the EECS Scheme Certificates with effect from:

- (in relation to planned changes notified in advance) the date on which such planned changes are due to come into effect; or
- (in relation to other changes) as soon as reasonably practicable after becoming so aware.

D.6 **Audit of Registered Production Devices**

D.6.1. Refusal to permit access may be considered a breach of the Standard Terms and Conditions.

D.6.2. If an inspection identifies material differences from the details recorded on the EECS Registration Database, the Registrant must re-apply for registration of the Production Device.

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 DSO’s under order from the Danish Energy Authority (DEA) and instruction from Energinet. The complete Central Registry is operated and kept by Energinet. Basic information for all Production Devices is made public on www.ens.dk (website of DEA).

All electricity production and exchange (import/export) is subject to measurement carried out by the DSO under regulation from the Energinet.

The Issuing body will not require initial inspection because data already has been approved by the DSO.

All audit activities are operated under the regulation of the Central Registry.

The obligations related to the DSO are described in the Regulations of Energinet:

- Regulation D1: Settlement metering and settlement basis
- Regulation D2: Technical rules for measurement

D.7 Registration Error/Exception Handling

D.7.1. Any errors in EECS Certificates resulting from an error in the registered data of a Production Device will be handled in accordance with section E.8.

Where an error is introduced Energinet will correct the error in or with respect to that EECS Scheme Certificate, provided that such EECS Scheme Certificate(s) have not been transferred out of that Transferables Account.

Energinet is informing the owner of the Production Device within 3 days and corrects the error as fast as possible considering the general provisions of the Administrative Procedures.

E Certificate Systems Administration

E.1 Issuing EECS Certificates

EECS Certificates are only issued under this Domain Protocol

- for a Production Device which is, at the time of Issue
  - situated in Denmark;
  - registered in the EECS Registration Database of Energinet ; and as qualifying for one or several EECS Certificate Schemes; and
  - the Registrant of which does not have any outstanding fees payable to Energinet or its agents in conjunction with one or several EECS Certificate Schemes;
- the qualifying energy output of such a Production Device is not more than thirteen (13) calendar months after the first day on which the measured energy output was generated; and
  - twelve (12) calendar months before the date of issue of any related EECS certificates; and
- to an Account Holder who does not have any outstanding fees payable to Energinet or its agents in conjunction with one or several EECS Certificate Schemes.
- energy output in respect of which no other Certificate, of any variety, has been, or is being, issued in order to prevent double counting.
- Energy output is metered according to Section E.3; and
- For net electricity production (net injection to the grid)

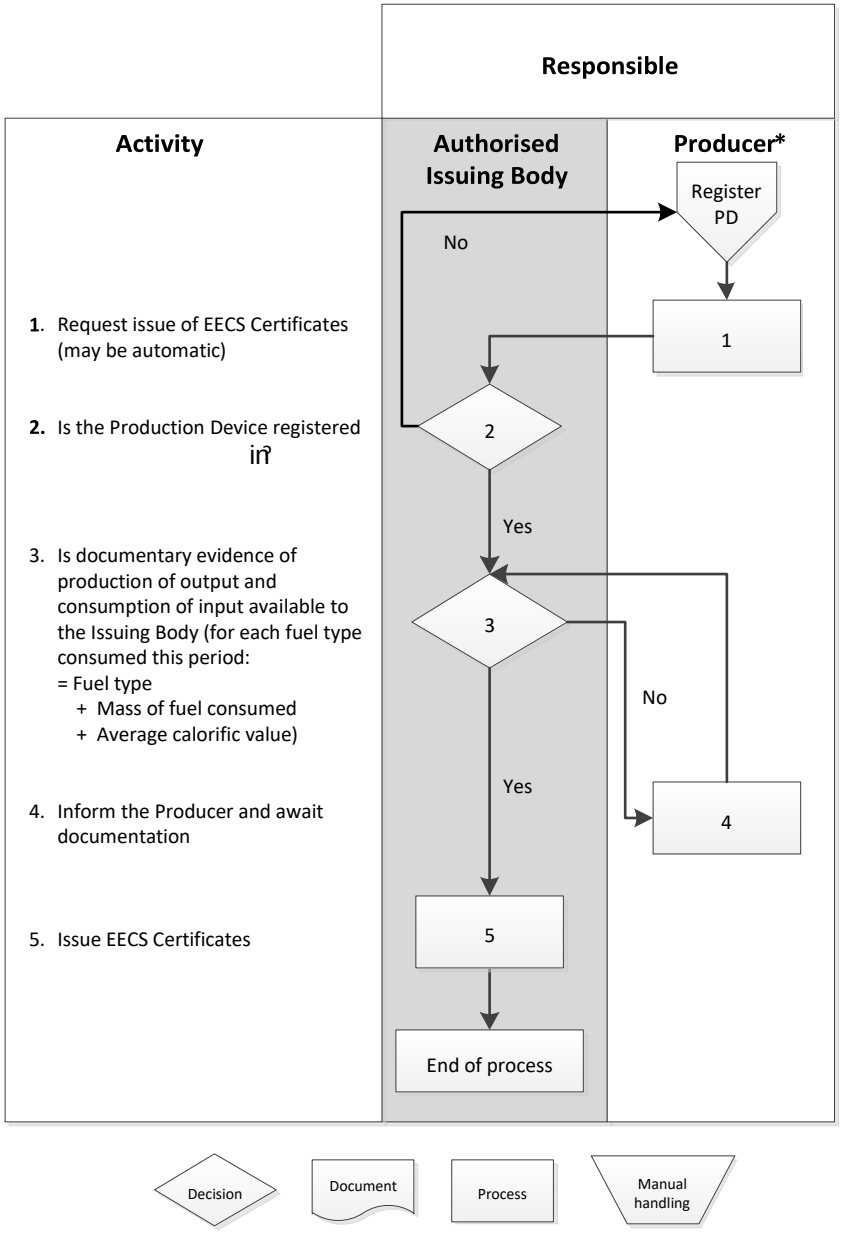
The output must also comply with the Product Rules of the Guarantee of Origin EECS Product:

Product: Guarantee of Origin	Criteria
Product Type: Source	Electricity production from renewable energy sources is eligible for product type source
Product Type: Technology	Electricity production from highly efficient cogeneration of electricity and heat is eligible for product type technology

E.2 Processes

Meter readings are extracted from the Energinet DataHub to the PANDA system. In the PANDA system potential data processing is done half-automated (e.g. biomass plants) and then from the PANDA system the data is forwarded into the CMO. Issuing is done monthly.

The issuing process can be described as follows:



1. If the Registrant wishes to receive EECS Scheme Certificates for his Production Device, he must submit an application for issuing to Energinet.
    a. The application form can be found in Annex 4 to this Domain Protocol.
    b. Only persons duly authorized by the Registrant may request the issue of EECS Scheme Certificates in relation to the output of that Production Device. The request form can be found on www.Energinet.
    c. The “producer” is the generic term for the party which requests certificates, and might include production aggregators, portfolio managers etc.
2. Production Device must be registered in the EECS registration database prior to issuing
3. See sections E.3 and E.4 on measurement and combustion fuels
4. /5:The CMO will deposit the Certificates in the Transferables Account nominated by the Registrant within the EECS Registration Database no later than the 20th (or first following working day hereafter), in the month after the production period. The Accountholder is informed that the certificates have been issued by logging into his certificate account and view the account transactions.

a. One EECS Scheme 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.
b. The EECS Scheme Certificates shall be issued in such format as may be determined by AIB from time to time.

The processes described for issuing, transferring and cancellation are handled in an automated process by the EECS Registration Database. In many cases these processes will occur according to the operational timescales of the Transfer Link which may be significantly ahead of the described processing deadlines.

E.2.1. Frequency

- Where the Measurement Frequency is less than monthly, the Issuing Frequency shall be at least monthly; and where the Measurement Frequency is equal to or more than monthly, then the Issuing Frequency shall be the same as the Measurement Frequency.
- Where the Measurement Frequency is equal to or more than monthly, then the number of EECS Scheme Certificates issued to a Production Device for each month must either be equal, or as directed by an officially approved production profile.

If the production in a month is less than 1 MWh, the certificate will be issued in the month where the aggregated production exceeds 1 MWh.

For HEC-GOs the certificates will be issued for a calendar month. The certificates can on request from the Registrant be issued for the production of last month, 3 months, 6 months or 12 months.

E.3 **Measurement**

All energy production and consumption is measured. However, GOs are only issued for net production (injection) and calculated by the Energinet DataHub as an aggregated value. It is theoretically possible to disclose on-site consumption (GOs that are cancelled immediately), but in this case the owner has to pay for extra meters.

The regulation defines the roles of the DSO, metered data collector, metering point administrator and the concept of grid area. The regulation also defines which types of metered data are required in connection with electricity generation, grid flow between areas of responsibility and end consumption. The regulation describes how often the various metering points must be metered. Meter data must be submitted to Energinet and other legitimate recipients. The regulation describes the full requirements applied to the submission of data.
Measurement body is responsible for the submission of production data, which represent net injection to the grid.

Description of standards, formats, frequency etc. is specified in the Regulations of Energinet:

- Regulation D1: Settlement metering and settlement basis

E.4 **Energy Storage (Including Pumped Storage)**

E.4.1. For the time being, this is not relevant in the Danish EECS domain

E.5 **Combustion Fuels (e.g. Biomass)**

In connection with electricity-generating facilities using different types of fuel, of which some but not all are eligible for RE subsidies, the DSO (the metering point administrator) must submit a separate time series in addition to the total net generation from the electricity-generating facility (or power station). This time series must include the share of the net generation attributable to the RE fuel used in the month concerned (RE electricity generation).

The time series is a monthly time series submitted via DataHub. If each of the RE fuels give rise to different settlement of subsidies, a RE time series for each settlement type must be submitted.

Description of standards, formats, frequency etc. is specified in the Regulations of Energinet:

- Regulation D1: Settlement metering and settlement basis

E.6 **Format**

E.6.1. EECS Certificates shall be Issued in such format as may be determined by AIB from time to time. Currently, EECS Certificates in Denmark are issued based on the format of the electronic database provided by Grexel.

E.7 **Transferring EECS Certificates**

E.7.1. The initiation of transfers is executed by the selling account holder using basic functionality in Grexel, and bilaterally transferring the certificate/commodity via the AIB-HUB.

E.7.2. The transfer of certificate commodities and the confirmation of that transfer is automated by Grexel and the AIBHUB.

E.7.3. Where it is impossible to transfer for technical reasons, this can be overcome by cancelling certificates for use in another domain, with the agreement of the importing issuing body (called: ex-domain cancellation). Any such cancellations are notified to the “importing” issuing body, and the AIB Secretariat.

E.7.4. If a non EECS certificate is presented towards the Danish domain Energinet will evaluate the certificates compliance, specific as case by case with a reference towards EECS rules before accepting it for cancellation.

E.8 **Administration of Malfunctions, Corrections and Errors**

E.8.1. Once issued, the details of an EECS Certificate cannot be altered or deleted except to correct an error.

If an error is introduced Energinet will correct the error in or with respect to that EECS Scheme Certificate, provided that such EECS Scheme Certificate(s) have not been transferred out of that Transferables Account.

Energinet is informing the owner of the Production Device within 3 days and corrects the error as fast as possible taking into account the general provisions of the Administrative Procedures.

Energinet may Withdraw or alter a EECS Scheme Certificate held in its EECS Registration Database to give effect to an agreement reached with the Account Holder under provisions of the Standard Terms and Conditions.

In case the Certificates are no longer in the Danish domain, Energinet will cooperate with other Issuing Bodies in order to withdraw the erroneous certificates.

Energinet may alter an EECS Scheme Certificate held in its EECS Registration Database so as to rectify an error which occurred prior to its transfer into the Account in which it is held at such time, provided:

- the Account Holder has agreed to such alteration.
- it is reasonably satisfied that any unjust enrichment of a EECS Market Participant as a consequence of such error has, to the extent reasonably practicable, been nullified; it is reasonably satisfied that the alteration itself does not give rise to undue enrichment of the Account Holder.

In case of error in metering as a consequence of which too few certificates have been issued, Energinet will issue the missing certificates. In case too many certificates have been issued, the excess will be deducted from the issuing of the next following production period of the PD.

E.9 End of Life of EECS Certificates – Cancellation

E.9.1. The initiation of cancellations is by the relevant account holder.

E.9.2. The cancellation of certificates is automated.

E.9.3. The confirmation of the success or failure of a cancellation is notified to the account holder by the issuing body. The confirmation is given within the EECS Registry Database immediately after submitting the request.

E.9.4. When the certificates have been cancelled or have expired, they are taken out of circulation and are not available for trade anymore.

E.9.5. Cancellation is removing a Certificate from circulation. Once Cancelled, a Certificate cannot be moved to any other account, and so is no longer tradable.

A cancellation statement is available within the EECS Registry Database. See example in annex 5.

E.10 End of Life of EECS Certificates – Expiry

E.10.1. EECS Certificates which have expired are no longer valid for transfer.

Following Executive Order no. 1323 of 30/11/2010, a certificate expires 12 months after the end of the month in which the corresponding energy was produced. The status of an EECS Certificate which has expired will be recorded as expired in the registry database. No transactions can be performed on expired Certificates

Certificates related to HEC-GO will not expire.

E.11 End of Life of EECS Certificates – Withdrawal

Energinet may withdraw an EECS Scheme Certificate held in a Transferables Account on its EECS Registration Database at the request of the Account Holder of that Account, or otherwise in accordance with the provisions of the EECS Scheme, thereby terminating it. removing it from circulation.

For erroneous issuing volumes, compensation is made by considering these in the issuing of following months. For erroneous data in certificates, withdrawal is used for rectification. It is possible to withdraw Certificates as long as they are valid.

F Activity Reporting

F.1 Public Reports

F.1.1. Public reports can be found at the registry website cmo.grexel.com

F.2 Record Retention

F.2.1. Energinet is responsible for retaining all documentation received and produced in relation to an EECS Market Participant. Data stored in the electronic registry and metering production data shall be retained for at least 5 years in an electronic format. All accountholders contracts (STC) and power of attorney are stored electronically by Energinet in the archive for 10 years.

F.3 Orderly Market Reporting

F.3.1. As the CMO of the Danish domain, Energinet supervises the Danish EECS Domain and reports suspicious activity to national authorities and/or AIB with due diligence.

G Association of Issuing Bodies

G.1 Membership

G.1.1. Where Energinet ceases to be the authorized issuing body for EECS Product GO in Denmark, it shall:

revise its EECS Registration Database so that each Production Device ceases to be registered for the purposes of that EECS Product.

G.1.2 *Where Energinet ceases to be a Scheme Member of an EECS Scheme, it shall:*

revise its EECS Registration Database so that every Production Device registered therein ceases to be registered for the purposes of each EEECS Product in relation to the Output to which that EECS Scheme relates.

H Change Control

H.1 Complaints to Energinet

Complaints will be registered, and case worked according to internal processes including information of the Directors. All complaints will be answered.

H.2 Disputes

Energinet will endeavor to deal with complaints received as soon as possible and within a period of 10 days. Treatment of the complaint will be made in accordance with the general rules of administrative law.

H.3 Change Requests

The EECS Market Participant may propose a modification to this Domain Protocol;

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.

On receipt of such a request, Energinet will:

Respond to the request within 5 working days, describing the procedures to be followed, and estimating when a reply can be expected.

- Consult with the other EECS Market Participants within Denmark;
- Decide whether the request and its consequences are in its opinion reasonable.
- Inform the EECS Market Participants within Denmark the outcome of this decision.

Energinet may make such modifications to this Domain Protocol as are in its opinion necessary to the effective and efficient operation of the market.

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. Inclusion of Independent Criteria Schemes (ICSs) already approved by AIB to or their removal from the Danish EECS Domain does not require approval by the AIB.

Implementation of modifications will be notified by email to the EECS Market Participant and will take effect on publication of the documentation on the www.aib-net.org.

Annex 1: Contacts List

H.3.1. Authorized Issuing Body and Central Monitoring Office

Company	Energinet
Contact Person	Retail Market and Market Operations
Address	Tonne Kjærsvej 65, DK-7000 Fredericia
Country	Denmark
Phone number	+45 70 10 22 44
Email address	afregning@energinet.dk

H.3.2. Competent Authority (if different from the Authorised Issuing Body)

Company	Danish Energy Agency
Address	Amaliegade 44, DK-1256 Copenhagen K
Country	Denmark
Phone number	+45 33 92 67 00
Email address	ens@ens.dk

Registry support

Company	Energinet
Contact Person	Retail Market and Market Operations
Address	Tonne Kjærsvej 65, DK-7000 Fredericia
Country	Denmark
Phone number	+45 70 10 22 44
Email address	afregning@energinet.dk

Production Registrars

Company	The Distribution System Operators (DSO)
Contact Person	www.ens.dk (for contact information to licensed DSO

Production Auditors

Company	Energinet
Contact Person	Retail Market and Market Operations
Address	Tonne Kjærsvej 65, DK-7000 Fredericia
Country	Denmark
Phone number	+45 70 10 22 44
Email address	afregning@energinet.dk

Authorized Measurement Bodies

Company	The Distribution System Operators (DSO)
Contact Person	www.ediel.dk

Annex 2: Account Application/Amendment Form

The Account Application form for production device owners can be found on the website of Energinet:

- The Account Application form for EECS GO certificates
- The Account Application form for EECS HEC-GO certificates

Annex 3: Device Registration Form

Production devices must be registered at the self-service portal of Energinet.

Registration of EECS GO and HEC-GO certificates can be done here:

- Self-service portal in English

Annex 4: Application for issuing

The application form for production devices can be found on the website of Energinet:

The application form for EECS GO certificates can be found here:

- Application for issuing of GO certificates

The application form for HEC-GO certificates can be found here:

- Application for issuing of HEC-GO certificates

Annex 5: EECS Electricity Cancellation Statement

This Cancellation Statement acts as a receipt for the EECS Scheme Certificates listed below and for the purpose shown.

Transaction details

Transaction Type:	Cancel
Transaction Date:	2015-02-20 12:12:12
Transaction Number:	2015022000099
Transaction status:	Completed

From		To	
Account Holder:	TestAH	Name of Beneficiary:	Energy supplier X
Account:	DK- TestAH- 000000000000000253	Cancellation Purpose:	Green electricity sales 2014
Domain:	Denmark	Consumption Period:	2014-01-01 to 2014-12-31
Street:	Storegade 1	Country of Consumption:	Denmark
Postal Code and City:	DK-3000, Copenhagen	Location of Beneficiary:	Denmark
Country:	Denmark	Usage Category:	Disclosure
		Type of Beneficiary:	Energy supplier

Total

Total MWh:	10000
Total GO:	10000

Certificate Number (From - To)	Volume Domain	Fuel, Technology	S/T	Issuing Date	Production Period	Production Device (GSRN, installed capacity, name)	Trading schemes	Support Schemes
643002406559002100 00000000000 To 643002406559002100 00000009999	10000 Denmark	F01050100, T020001	S	2014-08-15	2014-07-01 To 2014-07-31	570715000000099999 25 MW 570715000000099999	GO	Production Support