



EECS Domain Protocol

EECS Electricity Domain Protocol

for Estonia

Prepared by Elering AS

Based on EECS Rules Release 7

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1			

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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 Participants.

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 Estonia 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 Estonia such that, in electrical terms, the Production Device is effectively located in Estonia.
- B.1.3. Elering AS is authorised to Issue EECS Certificates relating to the following EECS Product(s):
- EECS-GO

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 Estonia 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 Participant and Elering AS 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 and Competent Authority for EECS-GO in Estonia is Elering AS. Its role is to administer the EECS Registration Database and its interface with the EECS Transfer System and by legislation to be responsible for the operation of EECS-GO in Estonia.
- B.3.2. The Authorised Measurement Bodies are Elering AS and the local distribution grid companies that are listed on the website: <http://www.konkurentsiamet.ee/?id=10952>. The Authorised Measurement Bodies are established under national regulation to be responsible for the collection and validation of measured volumes of energy used in national financial settlement processes.
- B.3.3. The Production Registrars verify Production Device data as part of the registration process when deemed necessary by the Issuing Body. Local distribution grid companies are acting as production registrars and measurement bodies. Elering AS is also acting as one of the production registrars.
- B.3.4. Production Auditors verify production declarations and (where appropriate) consumption declarations made by registrants of Production Devices when deemed necessary by the Issuing Body. Elering AS, local distribution grid companies and Estonian Competition Authority, the Environmental Investment Centre and Ministry of Environment are acting as production auditors.
- B.3.5. Contact details for the principal roles and Issuing Body agents are given in Annex 1.
- B.3.6. The EECS Registration Database operated by Elering can be accessed via the website green.elering.ee

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:

- a. Mõõteseadus (The Metering Law, RT I, 31.12.2010, 26)
- b. Elektriturseadus (The Electricity Market Law, implementing the directives 2009/72/EC and 2009/28/EC)
- c. Võrgueeskiri (The Grid Code)

All versions in force are published in the State Gazette www.riigiteataja.ee

C.1.2. Elering AS has been properly appointed as an Authorised Issuing Body for RES GO-s and high efficiency cogeneration GO-s (HE-CHP) under The Electricity Market Law. The Electricity Market Law specifies the Transmission System Operator in Estonia (currently Elering AS) as the Competent Authority with the relevant paragraph being: § 58¹. Päritolutunnistus (1).

The Electricity Market Law implementing the RES directive 2009/28/EC specifies the details concerning the GO system in Estonia. The full regulation text can be found online at www.riigiteataja.ee, the main provisions defined in this regulation are as follows:

- A guarantee of origin is an electronic document issued by the system operator (Elering AS) upon application of the producer and the sole purpose of the guarantee of origin is to prove that the unit of electricity has been produced from a renewable source or in high efficiency cogeneration regime.
- Any use of a guarantee of origin shall take place within 12 months of production of the corresponding energy unit. A guarantee of origin shall be cancelled in the EECS registration database once it has been used. The guarantee of origin shall be considered used in the year of the production of the energy unit if it has been used during the year of the production or by the 31st of March the following calendar year. The named guarantee of origin shall be considered used in the following calendar year if it has been used after the 31st of March of the following calendar year.”
- For providing proof to a final customer that a given share or quantity of energy was produced from renewable sources or in high efficiency cogeneration regime, guarantees of origin issued in Estonia or in other Member States of the European Union shall be used. A guarantee of origin can be transferred independently of the energy to which it relates, from one holder to another.
- The amount of electricity with regard to which a guarantee of origin is issued shall be determined using remote metering devices and is measured as the net electrical energy injected via all of the producer’s connection points to the grid during the trading period (1 hour) and also via the producer’s direct lines (conforming to the requirements of the relevant license) to the consumer.

C.2 National Electricity Source Disclosure

C.2.1. Legislation and regulation:

The legislation defining national electricity source disclosure in Estonia (implementing Article 3 of 2003/54/EC) is covered by the Electricity Market Law and the Grid Code.

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

The Electricity Market Law specifies the conditions of disclosure in Estonia.

The power supplier shall submit to the end consumer the following information together with an invoice or with other presented information and promotional materials:

- the percentage of electricity bought from the electricity market during the financial year preceding the selling period;
- a reference to the website of the seller which sets out information concerning the environmental impact resulting from CO₂ and SO₂ emissions, deposited oil shale ash and radioactive waste created upon generation of electricity during a financial year preceding the selling period.”
- the share of electricity supplied to the final consumer and disclosed using the guarantees of origin
- for the share of electricity supplied to the final consumer and not disclosed using the guarantees of origin the residual mix published by the transmission network operator shall be used.

In the case of disclosing the origin of electricity produced from renewable energy and supplied to the final consumer only guarantees of origin shall be used.

There are no National Certificate Schemes in use in Estonia.

C.2.3. The transmission network operator shall elaborate and publish the residual mix of the previous year by the 30th of June.

C.2.4. The electricity supplier shall use an auditor in order to guarantee that the information demonstrated on bills and other promotional materials about the source of electricity supplied to the final consumer is correct. It is the task of the auditor to verify if the share of electricity produced from renewable energy sources and disclosed as such by the electricity supplier, corresponds to the amount of used guarantees of origin notified to the transmission network operator. The calculation of the Estonian national residual mix shall be based on the European Attribute Mix and co-operation with neighbouring countries

C.3 National Public Support Schemes

Subsidies (production support) are paid for electricity that is generated from renewable sources, from biomass in CHP mode, or in high efficiency CHP mode. From 2013 there are also subsidies for the usability of the net capacity of oil-shale generating equipment. Under the Electricity Market Act it is the TSO that pays the subsidies, and this currently means Elering AS.

Investment support is also available (regarding wind power plants then no production support is allowed).

No interrelation at the moment between these support schemes and disclosure and no interrelation between issued guarantees of origin and support schemes. A guarantee of origin issued to a producer simply needs to specify whether and to what extent the relevant installation has benefited from investment support, whether and to what extent the unit of energy has benefited in any other way from a national support scheme, and the type of support scheme.

Imported RES-E may not gain support via national public support schemes.

C.4 EECS Product Rules

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

C.5 Local Deviations from the EECS Rules

EECS supports the type of support (investment support, production support or unknown), but the Estonian legislation requires also the extent of the support to be included in the GO. As HubCom (Subsidiary document: AIB-EECS-SD03: EECS Registration Databases - Release 6.3.1) allows free text fields to include both the extent and type of support, this can be considered not to be a deviation in principle.

Due to the timelines related to national balance settlement and metering data provided by the Measurement Bodies, issuing of EECS Certificates is possible the earliest the 1st of the month after the production month and at the latest 21st of the month after the month following production month. Issuing can take place only by request of the Producer/Registrant (note that the request can still be submitted at any time). This is not in line with C3.4.1 of the EECS Rules but necessary in order to ensure correct metering data.

The EECS rule C.5.1.2 requires that a Member shall retain all records to which it has had access relating to any EECS Certificate on its EECS Registration Database which is the subject of a Transfer Request for not less than 10 years after its Cancellation or Expiry (or such longer period as may be required by applicable national legislation). In Estonia the record retention is 7 years.

The EECS rule C3.4.4. requires that an EECS Certificate may only be issued by a Member in respect of the Output a Product Device where the last day on which such output was generated is not more than thirteen (13) calendar months after the first day on which the measured Output was generated. In Estonia we have decided to cut the period to twelve (12) calendar months. This rule does not affect imported guarantees of origin in any way, only issuing in Estonia.

D Registration

D.1 Registration of an Account Holder

D.1.1. Applications

Any legal person who is not a member of the Association of Issuing Bodies or such member's affiliate or agent can apply to be an Account Holder in the registry. The procedures to open an account in the registry can be found on the website <http://elering.ee/paritolutunnistused/>

The potential account holder must contract with Elering AS under the Standard Terms and Conditions

Elering AS will enable secure communications through the Registry.

The required attachments of the Standard Terms and Conditions include:

- a. Contact Information Sheet
- b. A certified trade registry extract or similar official document stating that the organization is validly existing and founded under the laws of the mother country
- c. Name and address of the organization
- d. Business ID of the organization
- e. Names of authorized signatories (the Standard Terms and Conditions should be signed by this/these Signatory/Signatories)
- f. The copy of the passport or other legitimate ID of each signatory of the STC.
- g. The copy of the passport of the Authorized Person
- h. The applicant must also fill in and attach a Know-Your-Customer questionnaire prepared by the AIB (Annex 2). The purpose of this document is to protect the EECS markets from VAT frauds.
- i. For licensed (licence acquired from the Competition Authority) electricity producers and/or suppliers located in Estonia, the Know-Your-Customer questionnaire is not required.

After receiving all documentation of the applicant, Elering AS evaluates whether the application can be accepted. Handling time of properly submitted applications is 3 business days. Reasons for rejection may be

- a. Required documents are missing or not properly filled / signed
- b. Elering AS has doubts about the expertise and/or aims of the applicant
- c. Rejection recommendation by local tax authorities or the AIB

If the application is accepted, Elering AS creates an Account in the registry for the applicant organization. The applicant organization is then an Account Holder and can start operating the Account. One Account Holder organisation can have multiple users, which can be created by Elering AS by request of that Account Holder.

Elering AS may hold an Account in the Estonian registry and may own a Certificate for the below listed purposes, but it reports such activity to the Association of Issuing Bodies:

- a. Testing
- b. Undisputed debt

D.2 Resignation of an Account Holder



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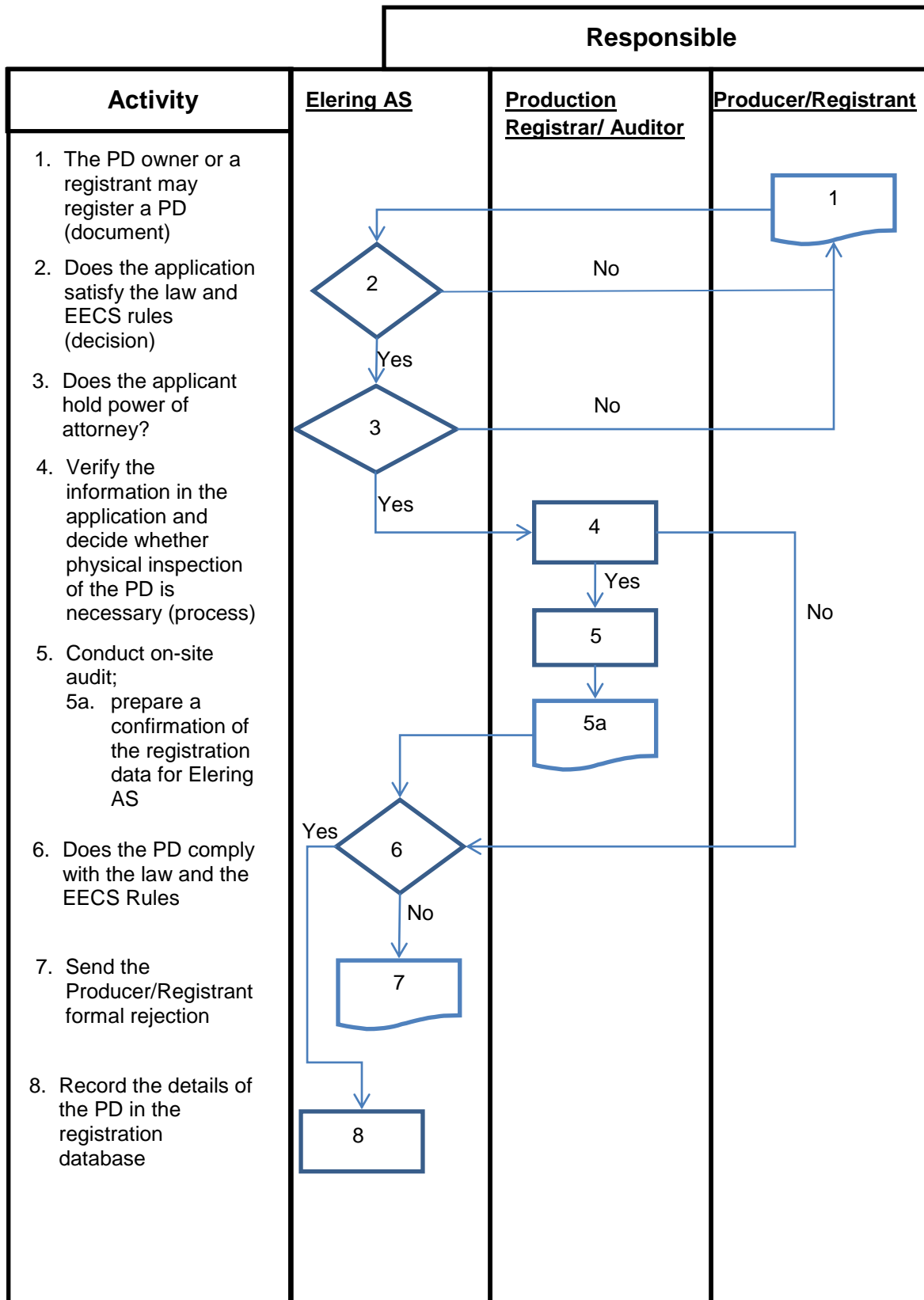
The Account Holder must notify Elering AS of the intent to close his account. The effective date of closure must not be less than 30 working days from the date of receipt of the relevant application by Elering AS. This can be done by digitally signing a free form application.

Elering AS will close that account as of the effective date on the request or 30 working days from the date of receipt of the application by Elering AS whichever is the later. The account must not contain any certificates at the time of closure and all financial claims Elering AS has towards an account holder must be settled before the closure of the account. Elering AS requires the Account Holder to transfer or cancel all remaining certificates before closure.

Elering AS is not responsible for refunding any already paid fees of the Account Holder, such as the yearly fee for Account Holders and Production Devices

D.3 Registration of a Production Device

D.3.1. Processes:



D.3.2. Application

The local grid company to which the production device is connected is the relevant production registrar. Elering AS is also one of the production registrars. Production registrars have the key information on production devices in their databases and provide relevant data to the Competent Authority.

The production device owner or a registrant duly authorized by the owner may register a Production Device. The application is evaluated by Elering AS and if necessary, confirmation is requested from the relevant production registrar and the Production Device is inspected as well.

- To be qualified, the Production Device must be situated in Estonia and be capable of producing electricity (using renewable energy sources and/or capable of Cogeneration and conforming to the definition of a Cogeneration unit in Article 3(1) of the cogeneration directive and is in accordance with the guidelines established by Annex II of the cogeneration directive.

The registrant of the Production Device must provide evidence to the satisfaction of Elering AS that it has the appropriate authority to register the Production Device and that it can comply with the requirements of the EECS Schemes and this Domain Protocol with respect to the imposition of duties on the owner and/or operator of the Production Device. Such evidence being an original and (electronically) signed power of attorney sent to Elering AS. When the Production Device is approved for registration by Elering AS or a Production Registrar and all the necessary data is verified and registered, Elering AS approves the Production Device in the registration database. The commercial provisions of registering a Production Device (if applicable) are set out in the Standard Terms and Conditions.

To be approved, a Production Device must provide 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 Elering AS.

1. Registrant or Registrar must fill out the Device Registration Form (Annex 3) when registering a Production Device under its Account.
2. The Registrant must warrant that the information provided to Elering AS in connection with its application is complete and accurate and that the Production Device meets the qualification criteria for EECS. This is accomplished by filling out a Registration Form (available online at <http://elering.ee/paritolutunnistuse-taotlus/> and in the Registry) and returning it to Elering AS electronically signed by a properly authorized person.
3. In case the Registrant or its affiliate does not own the Production Device, it must include in the application a power(s) of attorney signed by the owner(s) of the Production Device.
 - Power of Attorney is required from all owners of the Production Device who own more than 5% of the Production Device.
 - The Power of Attorney (PoA) may give the registrant organization the authority to
 - register the Production Device, and/or;
 - deliver production declarations for the Production Device, and/or;
 - claim ownership of GOs issued for the Production Device (aggregation).

4. Elering AS verifies the application and determines if an on-site audit is required. Audit may be deemed unnecessary if relevant registration data can be verified using other reliable sources, such sources being for example:
 - Receiving either renewable energy or high efficiency cogeneration support, as in those cases Elering AS has already confirmed the accuracy of the submitted information before paying out the corresponding subsidies.
 - Registration for the purpose of license to connect to the grid or distribution network, as in that case the corresponding grid company is responsible for issuing a letter of certification that the particular production device in question is allowed to connect to the grid

5. If an on-site audit is required, an authorized Production Registrar performs it.
 - a. Production Registrar confirms the registration data by signing the Registration Form printed out from the registration database
 - b. Production Registrar may also correct and comment some of the data in the Registration Form. Elering AS will amend the data in the registration database before activating the Production Device accordingly.

6. If the Production Device satisfies both the Estonian laws and the EECS Rules, Elering AS activates the Production Device in the registry database.

When the Production Device is activated, Elering AS informs the registrant accordingly electronically in three (3) working days.

As the Production Device is registered, it is assigned a unique identifier, if one has not already been assigned. The identifier consists of a number with 18 numeric characters that also identifies the Domain of origin. GS1/GSRN (Global Service Relational Number) coding is used. EIC coding is also used in parallel for Estonia-based Production Devices and Registrants. The identifier (W-code) consists of 16 characters and also identifies the domain of origin (the code of Estonia is 36).

- The EIC code assignment procedure has been developed by the European Network of Transmission System Operators for Electricity (ENTSO-E) and is used throughout Europe. More information about EIC codes is available on the ENTSO-E website (<https://www.entsoe.eu/resources/edi-library/>). To ensure the efficient operation of data and information exchange in the Estonian open electricity market, all market participants and metering points have been assigned with EIC codes. Code assignment is necessary for automating the exchange of information about market participants and their activities. This is accomplished via a unified code system, which ensures that each person operating in the electricity market has a single identifying code assigned only to them – the EIC code.

7. If the Production Device does not satisfy either the Estonian laws or the EECS Rules, Elering AS informs the registrant. The rejection notice shall include reasons of the rejection. The registrant is then obliged to eliminate the shortcomings. Failure to eliminate the shortcomings will result with the Production Device not being registered. The reasons for rejection might be for example:
- in relation to that application, the applicant has failed to comply with any requirement of this Domain Protocol or the Standard Terms and Conditions;
 - the qualification criteria are not satisfied in respect to that Production Device;
 - there are one or more generating auxiliaries for that Production Device which do not fit with Import Meters; or
 - the Production Registrar is prevented from satisfactorily verifying the application by the applicant or the owner or operator of the relevant Production Device.

D.4 De-Registration of a Production Device

The registrant must request Elering AS in writing to deregister his Production Device and specify the effective date of deregistration. Elering AS will thereby proceed to deregistration of the Production Device from the registration database as of the effective date on the request or the first day of the next calendar month in which Elering AS received the request. The relevant data on a Production Device will be stored in the database also after deregistration. Commercial provisions of deregistering a Production Device are set out in the Standard Terms and Conditions.

D.5 Maintenance of Production Device Registration Data

The Account Holder is responsible for notifying Elering AS of any changes to information registered on the Account Holder in the registration database and to any documents submitted to Elering AS when applying for the Account.

Where the capacity of an existing Production Device increases for any reason, including refurbishment or enhancement of the Production Device, then such additional capacity may be registered in the relevant EECS Registration Database as a separate element of that Production Device (provided that a separate EIC W-code has been issued for this capacity)

Major changes to information in the registration database needs to be inserted by Elering AS. Other revisions of information can be inserted directly in the system by the Account Holder, but they need to be reviewed and accepted by Elering AS.

On receipt of a change of details notification (following an inspection or otherwise), Elering AS will evaluate the impact of the changes on the Qualifying Criteria and respond to the Registrant within 10 working days specifying the decision taken. Elering AS may respond to the changes by approving or disapproving them in the registry.

Where Elering AS 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 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.

The registration of a Production Device expires after five years. The Registrant may also request de-registration before. The Registrant must re-apply for registration for the Production Device before expiry.

D.6 Audit of Registered Production Devices

The Production Auditor (whose role is to verify Production Declarations to ensure the continued fulfilment of the conditions of registration) will compare generation capacity with the issued number of Certificates and other relevant data e.g. wind speeds, to identify potential abnormalities. The Production Auditor will report any discrepancies from the registered information to Elering AS as soon as possible. The Production Auditor may perform on site audit. A Production Auditor is independent of the owner or the Registrant of the Production Device.

The Production Device owner is at all times responsible to report changes to the respective device approved for Guarantees of Origin to Elering AS and the relevant Production Registrar/Measurement Body. On-side audit of Production Devices is conducted on an ad hoc basis when there is reason to believe that the conditions of registration are no longer fulfilled. If a Production Auditor or Elering AS needs more information than provided by the Production Device Owner, it will be the owner's responsibility to provide this information.

On-site audits of Production Device data can be deemed unnecessary if relevant registration data can be verified using other reliable sources. If a Production Device fails to pass the requirements of the audit or the registration information has changed significantly, Certificates will not be issued before corrective actions have been performed. If an inspection identifies material differences from the details recorded in the registry, Elering AS reserves the right to request the Registrant to re-apply for registration.

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

D.7 Registration Error/Exception Handling

The registration database shall be amended by Elering AS in accordance with any notification that it receives from the account holder or production auditor of changes having the effect that the information recorded in the database in relation to a specific account holder is no longer, or will cease to be accurate. The same procedure as outlined in Chapter D.5 shall be applied.

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 Elering AS determines that an EECS Market Participant is in breach of the Product Rules or determines that a Production Device does not meet PD Qualification Criteria for an EECS Product in relation to which it is registered, Elering AS shall take such action as is necessary to secure that it is compliant with EECS Rules Section E3.3.9(b), such action to include, in a case of material non-compliance by the Registrant, the withdrawal of registration of the relevant Production Device for the purposes of that EECS Product.

E Certificate Systems Administration

E.1 Issuing EECS Certificates

E.1.1. Qualification and EECS Products

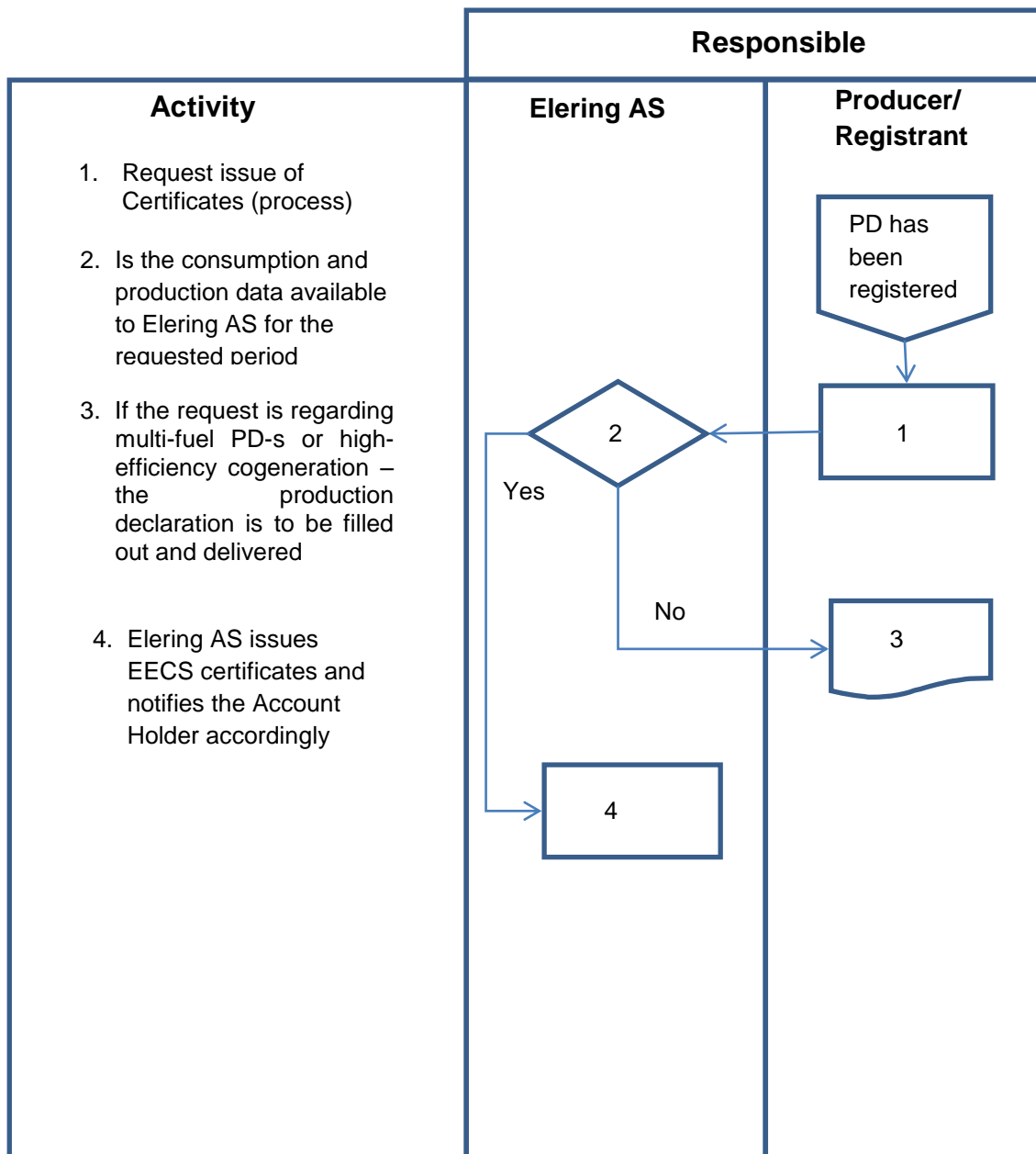
EECS Certificates can be issued

- a. in respect of the qualifying energy output of such a Production Device during any period in which it was registered for the purpose of the EECS scheme according to D.3; and
- b. for a maximum production period of not more than 12 months; and
- c. to an Account Holder who does not have any outstanding fees payable to Elering AS or its agents in conjunction with EECS Certificates; and
- d. for EECS products according following additional criteria:

EECS Product		Additional criteria
GO	When relating to energy source	respective electricity is generated using renewable energy source(s)
GO	When relating to technology	<ol style="list-style-type: none"> a) where the Production Device produces High-Efficiency Cogeneration only, the amount of electrical Output produced by that Production b) where the Production Device produces High-Efficiency Cogeneration and electricity which is not High-Efficiency Cogeneration, the amount of eligible generation calculated in accordance with Annexes II and III of the Cogeneration Directive

- E.1.2. The issuing, transferring and cancelling of EECS certificates are arranged as to eliminate the possibility of more than one EECS certificate bearing the same purpose being issued, registered or cancelled in respect of the same unit of output
- E.1.3. The issuing of EECS certificates in this domain have been arranged as to eliminate the possibility of EECS certificates being issued in respect of the same unit of output and attributes for which other transferrable certificates (other than EECS certificates of a different type where specifically permitted by the EECS Rules) have been or will be issued for the same purpose.
- E.1.4. An EECS Certificate corresponding to an EECS Product may only be issued in respect of Output:
- a. which is produced by an Originating Production Device which meets the PD Qualification Criteria in respect of that EECS Product;
 - b. that meets the Output Criteria for that EECS Product;
 - c. in respect of which the Authorised Issuing Body is in receipt of measured values of Output collected and determined by an Authorised Measurement Body (or, where the relevant Product Rules so permits, an Approved Measurement Body) which, having regard to the relevant Consumption Declaration where relevant, corroborate the amount so specified; and
 - d. which has been determined in accordance with the Product Rules for that EECS Product.
- E.1.5. An EECS GO shall only be Issued in respect of Output which has not been and is not being otherwise Disclosed, including by the Issue of any other Certificate of any variety.
- E.1.6. The Account Holder or Production Device will claim guarantees of origin only for electricity from qualifying fuel sources which have not been sold or otherwise consumed as electricity associated with one or several attributes of electricity generation covered by any of the EECS Schemes without the use of the corresponding EECS Certificates (including electricity for which other evidence of the production of electricity from qualifying energy sources has been issued).
- E.1.7. Where the period between measurements of the Output of a Production Device is more than one month, then the number of EECS Certificates issued to a Production Device for each month shall be determined on a pro-rata basis by reference to the period between measurements.

E.2 Processes



1. The registrant requests issuance of Certificates. Request may be relating to a specific period consisting of one or several full calendar months. The issuing request can be submitted via the registry at green.elering.ee. Production Devices that are not registered and Registrants that do not have the power of attorney are not able to request issuance of Certificates.
2. Is documentary evidence of production of output and consumption of input available and confirmed by the Production Registrars (for each fuel type consumed this period)? If not, fuel type, mass of fuel consumed, average calorific value of fuel are requested to be provided by the Registrant or the Producer



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3. If the request is for multi-fuel PD or GOs relating to high efficiency cogeneration GOs: The registrant must fill in and deliver production declaration. The format of cogeneration declaration is AIB Cogeneration model –Excel workbook found at http://www.aib-net.org/portal/page/portal/AIB_HOME/EECS/Cogeneration%20Model. The model is amended time to time by the AIB. It shall be submitted by the Production Device owner in the registry system for the respective Production Device.
4. Elering AS issues EECS Certificates and deposits them to the Account nominated by the registrant in the registry.
 - 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. EECS Certificates Issued in respect of electricity consumed by Production Auxiliaries (including pumping) shall be Cancelled immediately after Issuance.
 - c. The Account Holder shall be informed (via e-mail) of the issuance of any EECS certificate into that Account Holder's Transferables Account and of that EECS Certificate details. In addition, Elering AS shall publish information regarding the issued guarantees of origin on its webpage.
5. Issuing takes place the latest on 21st of the month following the issuing request (for example certificates regarding June are issued as soon as possible upon request, but at the latest on the 21st July) At that time all properly validated and authorized issuing requests are processed. Issuing can be performed after the closure of the balance settlement of the production month. Normally balance settlement is closed end of the month following the production month.

E.3 Measurement

Only Production Devices that are equipped with metering equipment that complies with the relevant regulations for the trading of generation energy shall be registered. The metering equipment may measure on a scalar basis (meter advance only) or on a period basis (energy measured in units of time) according to the regulations. The relevant Measurement Body provides the measured production data for the Production Declaration to the Registrant who wishes to receive EECS scheme certificates for his Production Device in an issuing period.

The agreements and codes provided in C.1.1 are the relevant regulations in force at the time.

Issuing of GOs shall be based on measured net production (injected via all of the producer's connection points to the grid during the trading period - 1 hour - and also via the producer's direct lines to the consumer, conforming to the requirements of the relevant license) where internal consumption and auxiliaries are deducted. All production devices, both over and under 100 kW need to be equipped with remote metering devices in Estonia, the meter readings for each hour are provided at least with daily frequency .

An EECS Certificate may only be issued by Elering AS in respect of the output of a Production Device where the last day on which such output was generated is not more than twelve (12) calendar months after the first day on which the measured output was generated. In addition, an EECS Certificate may not be issued now when the end of the production period is more than twelve (12) months ago.

E.4 Combustion Fuels (e.g. Biomass)

For a Production Device reporting the total production of a Production Device with multiple energy sources, the Registrant will have to report in detail on input factors in the registry. Elering AS will have to verify the declaration upon issuing of certificates. The standard calculation set out in the EECS Rules section N5.3.2 is applied.

The template of a production/consumption declaration can be found in Annex 5. Elering AS may require the reporting Production Device to submit additional information when deemed necessary by the EECS rules.

All fuel inputs are separately measured and required to be submitted by the production device owners or Registrants in tonnes or 1000 m³ and the lower calorific values of the fuels in MJ/kg or in MJ/m³ .

A person submitting a Production Declaration in relation to a Production Device for which there is more than one Input shall be obliged to submit (in respect of the same period as that to which the Production Declaration relates) a Consumption Declaration for each combustible Input and to specify therein:

- a. the values of M¹, C¹.... Mⁿ and Cⁿ ; and
- b. as the Energy Input Factor for that Input and that period, a factor no greater than L, where L is the proportion of the total Output produced during this period by the relevant Input and is calculated as follows:

$$L = \frac{M^1 \times C^1}{(M^1 \times C^1) \dots + (M^n \times C^n)}$$

Where

M^1 is the mass of the relevant Energy Input for that Production Device during the relevant period

C^1 is the average calorific value of the relevant Energy Input for that Production Device during the relevant period

M^n is the mass of each relevant Input other than the relevant Input for that Production Device during the relevant period

C^n is the average calorific value of each relevant Input other than the relevant Input for that Production Device during the relevant period.

E.5 Energy Storage (including Pumped Storage)

There are currently no energy storage or pumped storage systems in Estonia. However a person submitting a Production Declaration in relation to a Production Device for which one of the Inputs is stored energy shall be obliged to submit (in respect of the same period as that to which the Production Declaration relates) a Consumption Declaration and to specify therein the amount of Output consumed in placing energy (in any medium) into storage for use by that Production Device in that period.

E.6 Format

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

E.7 Transferring EECS Certificates

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 Certificates in another Domain through the registry.

Only persons duly authorized by the Account Holder may request the transfer of EECS Certificates out of that Account Holder's Transferables Account. Authorized persons must be identified on the Account application form (Annexed to STC). Authorized persons can also later be requested by the root user(s) of that Account Holder to be added, but need to be confirmed by Elering AS.

Only EECS certificates can be transferred to and from the EECS Registration Database.

The initiation of transfers is done in the Estonian registry system by the selling Account Holder. The transfer request form shall be filled by the selling Account Holder (whether it is the Producer itself or a Registrant with power of attorney) containing the following data:

- Domain ID of the receiving party
- Account ID of the receiving party
- ID numbers of the certificates to be transferred
- Number of certificates to be transferred (as a precautionary measure to make sure the sender is aware of the amount being transferred).

The transfer of certificates and the confirmation of that transfer are automated.

After the Account Holder has initiated the transfer, the system instantly displays a message of whether or not the initiation has been successful and an e-mail is sent to the relevant Market Participants regarding the transaction. In case there are mistakes in the transfer request, a message is displayed pointing out the error.

In case of inter-registry transfers the success of the transfer is subject to the verification process of the AIB HUB and the receiving registry. If the transfer is not successful, the certificates are returned to the Account of the original Account Holder. Please note that when certificates are 'in transit' they are no longer available for another transfer. The certificates leave the initiating Account Holder's account before appearing in the buying Account Holder's account.

In transfers between Accounts in two different registries Elering AS will cooperate with other Members of the EECS scheme to amend its own, or the other Members' Account Holder information.

EECS certificates that have been cancelled or expired are not available for transfer.

E.8 Administration of Malfunctions, Corrections and Errors

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

Elering AS has the right to perform corrective actions such as withdrawal or transfer of Certificates in the registry where Certificates have been erroneously issued or transferred.

Where it is impossible to transfer for technical reasons, this can be overcome by cancelling certificates for use in another domain, subject to an agreement between Elering AS and the importing Issuing Body. Any such cancellations are notified to the "importing" issuing body and the AIB Secretariat.

In the event that it transpires that the data in any EECS Certificate is inaccurate (whether or not through an act or omission of the Registrant of the originating Production Device) and provided that such EECS Certificates are, at the time in the Transferables Account of that Registrant, Elering AS will agree upon a course of action with the corresponding Registrant.

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

In case the Certificates are no longer in the Estonian domain, Elering AS will cooperate with other Issuing Bodies to withdraw or correct the erroneous Certificates.

E.9 End of Life of EECS Certificates – Cancellation

Cancellation is removing a Certificate from circulation. Once cancelled, a Certificate cannot be moved to any other account, and so is no longer tradable (transferable). Expired certificates are not valid for cancellation.

The initiation of cancellations is done in the registry by the relevant Account Holder or a person duly authorised by the Account Holder. The Account Holder must specify the Certificates to be cancelled (both the ID-s and the summary amount) and the relevant Production Device and Production Period that the certificates correspond to as well as the country of consumption, cancellation purpose, usage category, name, type and location of beneficiary and related consumption period.

EECS domains to which a secure electronic transfer of certificates is possible are not included in the list of “country of consumption”, which prevents ex-domain cancellations from Estonia to these domains.

The cancellation of certificates is automated using the cancellation functionality in the registry system. An EECS certificate can only be cancelled once and when the certificate has been cancelled it is taken out of circulation and is not available for trade anymore. Cancelled Certificates are removed from the transferables account by changing their status to “cancelled” so they do not appear in any Account of the registry after the Cancellation. The Account Holder performing the cancellation has full access to see the details of the cancellation in electronic form or they can order an official Cancellation Statement from Elering AS.

The confirmation of the success or failure of a cancellation is notified to the account holder by the issuing body. In case the cancellation request contains mistakes, an error message is displayed accordingly.

The information required in a cancellation request and contained in a cancellation statement has been described in Annex 4.

E.10 End of Life of EECS Certificates – Expiry

Expiry is handled automatically in the Estonian registry on the date which is twelve months after the end of the production period for the relevant energy unit. This means that for example an EECS certificate issued for production of January 2015 shall expire on the 31st of January 2016 in Estonia.

EECS Certificates which have expired are no longer valid for transfer or cancellation. They are available for viewing by the account, but they have an ‘expired’ mark on them and the registry prevents from initiating any transactions with them.

It is the responsibility of the Seller to ensure that expired certificates are not available for transfer into the Estonian registry.

E.11 End of Life of EECS Certificates – Withdrawal

Elering AS may withdraw an EECS scheme certificate held in an Account on its registry at the request of the Account Holder of that Account or otherwise in accordance with the provisions of the EECS schemes. For example to give effect to an agreement reached with an EECS Market Participant under provisions of its Standard Terms and Conditions that meet the criterion at EECS Rules Section E7.1.1. EECS Certificates may be withdrawn (or amended) by Elering AS having regard to the objective of securing the accuracy of EECS Certificates to ensure that no unjust enrichment occurs as a result of an error or of any unauthorised access to, or malfunctioning of an EECS Registration Database

F Issuer's Agents

F.1 Production Auditor

The Competition Authority is listed in the as a Production Auditor in the Estonian Domain. As a rule when there is an issue or an unclear case regarding Production Devices (for example regarding subsidies) Elering AS usually submits an inquiry to the Competition Authority. In rare cases, when the question is rather in interpreting the law, the inquiry is done to the Ministry of Economic Affairs and Communications. Regarding various required permits, the Ministry of Environment or the Environmental Investment Centre is contacted. Ordinarily the information exchange between local distribution grid companies and Elering AS as the Issuing Body is sufficient enough to ensure the accuracy of the data regarding Production Devices and measurements.

F.2 Production Registrar

The Production Registrars verify Production Device data as part of the registration process when deemed necessary by the Issuing Body. Local distribution grid companies are acting as production registrars and measurement bodies. Elering AS as the transmission grid operator is also acting as one of the production registrars. The primary role of the production registrars is to ensure the Production Device is officially connected to the grid (and fulfils all necessary technical requirements). The production registrars are the corresponding grid companies the Production Devices are connected to. The Production Device needs to have an effective network services agreement, before they can apply to register in the registry.

G Activity Reporting

G.1 Public Reports

Elering AS is obligated by the Electricity Market Law §58¹ (3) to publish the information regarding issued guarantees of origin on its web page.

G.2 Record Retention

Data stored in the electronic registry, metering production data and all records relating to EECS Scheme Certificates shall be retained for at least 7 years in electronic format, which is either in an electronic archive or by means of database backups.

G.3 Orderly Market Reporting

G.3.1. Elering AS shall report failures by EECS Participants to comply with the provisions of Product Rules to the Competent Authorities in relation to such matters (in most cases the Estonian Competition Authority). Such failures shall include behaviour by EECS Participants of which the Authorised Issuing Body is aware and which, in its reasonable opinion, amounts to a breach of Competition Law, or applicable law governing the conduct of financial markets.

G.3.2. Elering AS shall notify the AIB of any report made by it under section F.3.1 and shall provide the AIB with as much information in relation to such report as is consistent with any duty of confidentiality it may have to the relevant EECS Participant(s).

G.3.3. Where Elering AS determines that a EECS Participant is in breach of the Product Rules or determines that a Production Device does not meet PD Qualification Criteria for an EECS Product in relation to which it is registered, that Authorised Issuing Body shall:

- a. take such action as is necessary to ensure compliance
- b. and shall notify the AIB of such breach where Elering AS is of the reasonable opinion that such breach could affect the transfer of EECS Certificates out of its EECS Registration Database

H Association of Issuing Bodies

H.1 Membership

- H.1.1. A Member seeking to become a Scheme Member of an EECS Scheme shall apply to the AIB for Scheme Membership.
- H.1.2. For a Member to become a member of an individual EECS Scheme, the provisions applicable in that Member's Domain (its Domain Scheme) must satisfy both the general The EECS Rules requirements of the EECS Rules and the requirements set out in the section within PART IV of the EECS Rules that specifically relates to that EECS Scheme. A Domain Scheme consists of the applicable legislative and administrative arrangements with respect to the issue of relevant Certificates, together with a Domain Protocol and the Member's Standard Terms and Conditions.
- H.1.3. Where Elering AS ceases to be an Authorised Issuing Body in relation to an EECS Product, it shall revise its EECS Registration Database so that each Production Device in the Estonian Domain ceases to be registered for the purposes of that EECS Product.
- H.1.4. Where Elering AS 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 EECS Product in relation to the Output to which that EECS Scheme relates. The EECS Registration Database shall be locked and no further issuing shall take place

H.2 Suspension

- H.2.1. The effectiveness of the EECS Rules in achieving its purpose is dependent on the offices of the AIB, which assumes a regulatory function. In this regard, the AIB relies, in part, on independent reviews and Members conducting "peer reviews" in accordance with Subsidiary Documents established by the AIB.
- H.2.2. Where an Assessment Panel has recommended that a Member be suspended from an EECS Scheme or as an Authorised Issuing Body in relation to a Domain and EECS Product, such suspension shall take effect (on such terms as may be determined by the relevant General Meeting) where a General Meeting approves such suspension.
- H.2.3. If a Member fails to demonstrate compliance with the terms of a Rectification Order to the satisfaction of the relevant Assessment Panel by the time for compliance specified therein, that Member may be suspended as an Authorised Issuing Body in respect of any Domain and EECS Product to which that Rectification Order relates upon decision of the General Meeting.

H.3 Complaints to the AIB

- H.3.1. EECS Market Participants may notify in writing the General Secretary of AIB (and provide evidence substantiating such allegation) that:
- a. An Authorised Issuing Body in relation to an EECS Product is in breach of any of the provisions of Product Rules in relation to that EECS Product; or

- b. any Product Rules do not comply with the relevant provisions of the EECS Rules. Then provided evidence that the Authorised Issuing Body has been given adequate opportunity to respond to such allegation, the General Secretary shall invite the relevant Authorised Issuing Body to respond to the allegation.

I Change Control

I.1 Complaints to Elering AS and disputes

Elering AS will endeavour to deal with complaints received as soon as possible and within a period of 20 business days. Treatment of the complaint and disputes will be made in accordance with the general rules of commercial law.

I.2 Change Requests

- I.2.1. The EECS Market Participant may propose a modification to this Domain Protocol
- I.2.2. 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 Elering AS.
- I.2.3. On receipt of such a request, Elering AS will:
 - a. Respond to the request within 10 working days, describing the procedures to be followed and estimating when a reply can be expected;
 - b. Consult with the other EECS Market Participants within Estonia;
 - c. Decide whether the request and its consequences are in its opinion reasonable;
 - d. Inform the Market Participants within Estonia the outcome of this decision.
- I.2.4. Elering AS may make such modifications to this Domain Protocol as are in its opinion necessary to the effective, transparent and efficient operation of the market.
- I.2.5. Any modifications to this Domain Protocol are subject to approval by the AIB (Assessment Panel in accordance with EECS rules L5.2.1 and the prior consent of the General Meeting in accordance with the provisions of EECS rules Section L5) 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.
- I.2.6. Implementation of modifications will be notified by e-mail to the Market Participants and will take effect on publication of the documentation on the website www.elering.ee



Annex 1: Contacts List

Authorised Issuing Body/Competent Authority/Registry Operator/Registry support

Elering AS

Kadaka tee 42, 12915 Tallinn, Estonia

+372 715 1222

Info@elering.ee

www.elering.ee

avp.go@elering.ee (questions relating to guarantees of origin and the registry)

Production Registrars

Elering AS and local distribution grid companies

www.elering.ee or <http://www.konkurentsiamet.ee/?id=10952> (for the list of licensed distribution grid companies)

Production Auditors

Estonian Competition Authority (www.konkurentsiamet.ee), **Environmental Investment Centre** (www.kik.ee), Elering AS, **local distribution grid companies** (www.elering.ee or <http://www.konkurentsiamet.ee/?id=10952>) and **Ministry of the Environment** (www.envir.ee)

Measurement Bodies

Elering AS and local distribution grid companies

www.elering.ee or <http://www.konkurentsiamet.ee/?id=10952> (for the list of licensed distribution grid companies)

Annex 2: Account Application Form (online) and the Know-Your-Customer Form

For the Know-Your Customer Form see separate document: AIB-KYC (Elering AS)

Please find an example of the current online account application form below:

Name of applicant	xxx
Address	xxx
Contact Information	xxx
Party Chargeable	xxx
Telephone number	xxx
E-mail	xxx
Business registry code (or personal identification code)	xxx
Name of bank used	xxx
Bank account number	xxx
List of the people with the right of representation	xxx

- there is also an option to attach required documents



EECS Domain Protocol



Annex 3: Device Registration Form (online)

Registrant's name	xxx	
Registrant's registry code (or personal identification code)	xxx	
Registrant's address and contact information	xxx	
Name of the person responsible for the registration, telephone number, e-mail	xxx	
List of the people with the right of representation (and their personal identification codes)	xxx	
Registrant's EIC code (X-code)	xxx	
Production Device's EIC code (W-code)	xxx	<i>If applicable</i>
Name of Production Device	xxx	
Codes of all possible Fuels, which can be converted into energy by that Production Device. According to fuel codes in AIB EECS Fact Sheet 5	xxx	
Address of the Production Device	xxx	
Information regarding production metering (Z-codes of the metering points)	xxx	<i>If there are several, separated by commas</i>
Capacity of the Production Device	xxx	
Technology code of the Production Device according to technology codes in AIB EECS Fact Sheet 5.	xxx	<i>According to AIB fact sheet 5</i>
Start of Production date (date of commissioning)	dd.mm.yyyy	
Information regarding metering the auxiliary energy (where there are generating auxiliaries associated with that Production Device, locations and codes of Import Meter(s), which determine the totality of electricity consumption by the Production Device).	xxx	
Information about the person/grid operator responsible for collecting and reporting metering data	xxx	
Description (formula) for defining the qualifying output, in respect of which the EECS Certificate will be issued.	xxx	

Whether and to what extent the Production Device has benefited from investment support or from a national support scheme (provided in the Electricity Market Law §59) and the type of support scheme	xxx	<i>Täpsustada toetuskava liik</i>
Does the applicant wish to have guarantees of origin issued to them	yes/no	
Account number in the Registry where the guarantees of origin shall be transferred	xxx	
Consent to publishing certain information regarding the Production Device on Elering AS website	yes/no	
Consent to oblige to inform Elering AS without delay (but no later than 10 working days) about changes in the declared data	yes/no	
The registrant warrants that the information provided to Elering AS in this application is complete and accurate	yes/no	

* Please attach to the application a certification of compliance with the technical requirements established by the grid code. This letter of certification is issued to the Production Device by the network operator to whose network the generating installation is connected.

** If possible, please attach to the application the electrical scheme of the Production Device that includes the locations of the meters, the transformers and auxiliary electricity consumers.



EECS Domain Protocol

Annex 4: EECS Electricity Cancellation Statement

A guarantee of origin shall be cancelled once it has been used to prove final customers the share or quantity of energy from renewable sources in an energy supplier's energy mix. The Producer or Account Holder must submit a cancellation request via the Registration Database and provide (at least) the following information:

- The guarantees of origin to be cancelled (amount and numbers)
- the corresponding production period(s)
- the corresponding Production Devices (name, installed capacity, GSRN and/or W-code)
- The name, address (location) and type of beneficiary
- The domain of cancellation
- The name, address (location) of the Account Holder
- The date and purpose of cancellation (transfer or cancellation)
- The consumption period

Cancellation Statement shall be in electronic format and include the abovementioned information. There may be exceptions when the Producer or Account Holder may be provided with a signed cancellation statement on paper.

In any case the onward sale of a Cancellation Statement in any format is prohibited.



EECS Domain Protocol



Annex 5: Production/Consumption Declaration

Name of the market participant	xxx		
ETSO/EIC code of the market participant	xxx		
Energy source	xxx	not needed if heat and power cogeneration	
Location of power production	xxx		
Electric and heat capacity	xxx		
The start date of operation	dd.mm.yyyy		
Period of application	xxx		
Name of the network operator with who participant is connected	xxx		
Name of the open supplier	xxx		
ETSO/EIC code of open supplier	xxx		
Produced useful heat energy	xxx	in case of heat and power cogeneration	
The usage of useful heat energy	xxx	in case of heat and power cogeneration	
Condensed heat energy	xxx	in case of heat and power cogeneration	
The fuel type used	The amount of utilized fuels (tons; 1000 m3)	Lower calorific value of fuel (MJ/kg; MJ/m3)	in case of heat and power cogeneration
biogas	xxx	xxx	
natural gas	xxx	xxx	
mazut	xxx	xxx	
black liquor	xxx	xxx	
wood, wood waste	xxx	xxx	
oil shale	xxx	xxx	
shale oil	xxx	xxx	
peat	xxx	xxx	