

EECS
Domain Protocol

for
Ireland

Prepared by SEMO

Based on EECS Rules Release 8 v1

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Document Control

Version	Date	Originator	Reviewers
1	TBC	SEMO	

Version	Approver	Date	Responsibility
1			

Change History

Version	Description
1	Transposed Domain Protocol to new template. Updates required since previous published version (2019). Updates after Periodic Audit 2023.

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A Introduction

This Domain Protocol describes how the EECS Standard has been implemented in a certain Domain (country/region) for a certain type of energy certificate and it indicates where that system deviates from that standard. The EECS framework including the Domain Protocol aims to ensure robustness and transparency for all parties involved.

A Domain Protocol promotes quality and clarity, as it:

- explains local rules;
- provides clear information to all stakeholders (consumers, market parties, other members, government, the EU Commission etc.);
- facilitates assessment of compliance and permissible deviation 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

This section demonstrates compliance with the following EECS Rules:

A11.1.1	C3.1.1	E6.2.1a	E6.3.1	E6.3.2	N2.1.1	O.2.1.1
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- B.1.1. This Domain Protocol sets out the procedures, rights and obligations, which apply to the Domain of Ireland 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 such that, the Production Device is effectively located in Ireland.
- B.1.3. SEMO is authorised to Issue GOs relating to the following EECS Product(s):
- EECS Guarantee of Origin (EECS GO)
- B.1.4. SEMO is authorised to Issue GOs relating to the following EECS Product Type(s):
- Electricity from Renewable sources Guarantee of Origin
- B.1.5. SEMO is authorised to Issue GOs relating to the following: Renewable Electricity.
- SEMO is authorised to Issue the following types of energy Certificates outside of the EECS Framework: National GOs. National GOs are issued based on a Regulator approved process of calculation for a small number of Production Devices that have a single meter but wind turbines some of which are still under support and others that are eligible for GOs. While duplication of CBT and GOs is avoided the measurement is not seen as appropriate for EECS GO standards. National GOs are issued for Fuel Mix Disclosure purposes in Ireland only.
- B.1.6. The following parts of this Domain Protocol also apply for these non-EECS GOs: All parts of this Domain Protocol also apply for National GOs with the exception that National GOs may not be transferred outside of Ireland.
- B.1.7. This Domain Protocol is made binding between the EECS Participant and SEMO by agreement in the form of the Standard Terms and Conditions.

B.2 Status and Interpretation

This section demonstrates compliance with the following EECS Rules:

E6.2.1d	E6.2.4	E6.3.1	E6.3.4			
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- B.2.1. This document refers to EECS Rules 8 version 1. It is based on the Domain Protocol template release 2/2022 from June 2022.
- B.2.2. The EECS Rules are subsidiary and supplementary to national legislation.
- B.2.3. The EECS Rules and its Subsidiary Documents are implemented in Ireland 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.6 of this document.

- B.2.4. 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.6 of this document.
- B.2.5. This Domain Protocol is made contractually binding between any EECS Participant and SEMO by agreement in the form of the Standard Terms and Conditions.
- B.2.6. 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

This section demonstrates compliance with the following EECS Rules:

A11.1.1	C3.1.1	E4.2.2	E6.2.1c	H		
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- B.3.1. The Authorised Issuing Body for GOs in Ireland is [SEMO](#). 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 Ireland is [CRU](#) (Commission for Regulation of Utilities, formerly known as the Commission for Energy Regulation). CRU is Ireland's independent energy regulator. Its role is defined by legislation to be responsible for the implementation of the Supervisory Framework for GOs in Ireland. GOs are issued in accordance with a supervisory framework established by the CRU and the guidelines laid out in Statutory Instrument ([S.I.\) No. 147 of 2011](#) (replaced by [S.I. 483 of 2014](#)).
- B.3.3. The Authorised Measurement Bodies are [EirGrid](#) (Transmission Connected Devices) and Meter Registration System Operator ([MRSO](#)) They are the bodies established under national regulation to be responsible for the collection and validation of measured volumes of energy used in national financial settlement processes.
- B.3.4. Only electricity producers and suppliers can be Account Holders in the Irish Domain.
- 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 Grexel can be accessed via the website <https://grex.grexel.com/en/public/home>.
- B.3.7. SEMO is not aware of and would not recognise any non-Government Certificates in Ireland.
- B.3.8. There are no other Independent Criteria Scheme combinations which can be Issued under this Domain Protocol.
- B.3.9. There are no Other Issuing Bodies in this Domain

B.4 Summary: Issuance scope

- B.4.1. In summary, SEMO has been authorised to Issue Renewable Energy GOs in Ireland. The following types of energy Certificates are currently issued by

SEMO. Others may be considered for issuing once the relevant procedures have been determined and approved by the CRU.

Issuing Body issues Certificates for Electricity:		Electricity – Product Type	
	Energy Source	Source	Technology (= High-Efficiency Cogeneration)
EECS GO	Hydro	X	
	Wind	X	
	Solar		
	Biomass		
	Geothermal		
	Landfill Gas & Sewage Treatment Plant Gas		
	Tidal/Wave/Other Ocean Energy		
	Ambient		
	Fossil		
	Nuclear		
National GO (non-EECS*)		Same as EECS GO	
EECS Support Certificate		No GOs issued with supported energy	
EECS Target Certificate		N/A	
EECS NGC (name)		N/A	
National Certificate other than GO (non-EECS*)		N/A	

(*) Non-EECS GOs may not be transferred over the AIB hub.

C Overview of National Legal and Regulatory Framework

C.1 Energy Market context for [the relevant Energy Carriers]

- C.1.1. The Single Electricity Market (SEM) is the wholesale electricity market for Ireland and Northern Ireland. SEMOpX operates the wholesale day-ahead and intraday markets. EirGrid and SONI operate the balancing market. SEMO performs imbalance pricing and balancing market settlement.
- C.1.2. The SEM is fully open and was established in 2018 in line with [Directive 2009/72/EC](#) for the Internal Energy Market (which has been replaced by [Directive \(EU\) 2019/944](#)).
- C.1.3. Transmission and distribution system operators are fully independent from energy generation and suppliers.
- C.1.4. The SEM has a total energy requirement of approximately 41TWh annually.
- C.1.5. The [SEM Committee](#) is the decision making authority for the SEM, which comprises of representative from the [Commission for Regulation of Utilities](#), the [Utility Regulator](#), and independent Members.

C.2 The EECS Framework

This section demonstrates compliance with the following EECS Rules:

D3.1.2	E6.2.1b	E6.2.1d	N8	O.10		
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- C.2.1. For the Irish Domain, the relevant local enabling legislation is detailed in:
Statutory Instrument Number 350 of 2022 (S.I. No. 350 of 2022)

[S.I. No. 350/2022 - European Union \(Renewable Energy\) Regulations \(2\) 2022 \(irishstatutebook.ie\)](#)

This legislation details the governance of issuance, registration, transfer and cancellation of GOs. It also details the information that should be contained in a GO. This legislation assigns authority to the CRU and SEMO in terms of their respective roles.

The legislation governing Combined Heat and Power (CHP) Guarantees of Origin is detailed in Statutory Instrument Number 630 of 2022 (S.I. No. 630 of 2022)

[S.I. No. 630/2022 - European Union \(Energy Efficiency\) \(Amendment\) Regulations 2022 \(irishstatutebook.ie\)](#)

This legislation details the governance of issuance, registration, transfer and cancellation of CHP GOs. It also details the information that should be contained in a GO. This legislation assigns authority to the CRU and SEMO in terms of their respective roles. At present the relevant Statutory Framework has not been defined by the CRU for the issuance of CHP GOs in Ireland. Therefore, SEMO does not currently issue CHP GOs.

- C.2.2. SEMO has been properly appointed as an Authorised Issuing Body for GOs as per the legislation listed above.

C.3 National Energy Source Disclosure

This section demonstrates compliance with the following EECS Rules:

E3.3.14						
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- C.3.1. For this Domain, the authorised body for supervision of disclosure of the origin of energy towards consumers is SEMO. This body is responsible for supervision of Disclosure of the origin of the following Energy Carrier: Electricity.
- C.3.2. Fuel Mix Disclosure is required by Annex I(5) of Directive (EU) 2019/944. The transposing legislation in Ireland (Regulation 25 of [S.I. No. 20 of 2022](#)) requires the Commission for Regulation of Utilities (CRU) (formerly known as the Commission for Energy Regulation (“CER”)) to ensure suppliers provide reliable fuel mix information on all bills and promotional materials issued to customers. In Northern Ireland the transposing legislation (Article 11A (9) (c) of the Electricity (NI) Order 1992 as amended by Article 14 of the Gas and Electricity (Internal Markets) Regulations (Northern Ireland) 2011) requires that licences issued by the Utility Regulator (“the UR”) include a condition requiring compliance with Article 3(6).

The Fuel Mix Disclosure in the Single Electricity Market: Calculation Methodology is detailed in the Decision Paper [SEM-11-095](#)

As per SEM-11-095, the Single Electricity Market Operator (SEMO) calculates the fuel mix on an All-Island basis for Ireland and Northern Ireland.

Supplier Fuel Mix Disclosure in Ireland and Northern Ireland is based on cancelled Guarantees of Origin, Contract-Based Tracking and the Residual Mix.

In Ireland, Production Devices in receipt of Support do not receive Guarantees of Origin. In terms of the annual Fuel Mix Disclosure calculation, the attributes of these Renewable Production Devices are assigned to the suppliers who hold the Power Purchase Agreement (PPA).

As GOs cannot be issued for electricity production which receives Production Support or for non-RES electricity production, the two tracking mechanisms do not overlap.

Only Renewable GOs (RES GOs) can be used for Fuel Mix Disclosure in Ireland and Northern Ireland.

All tracking of electricity attributes is considered in the Residual Mix of Ireland. The high-level calculation for Fuel Mix Disclosure is:

Step 1)

Calculate Total Residual Production by Fuel Type

$$\text{Residual Production Prelim} = \text{Total Production}_f - (\sum \text{Issued GOs}_f + \sum \text{CBT Energy}_f - \text{Expired GOs}_f)$$

Where f represents the fth Fuel Type

Step 2)

Calculate Total Residual Consumption

$$\text{Residual Consumption} = \text{Total Consumption} - \text{CBT} - \text{Cancelled GOs}$$

Step 3)

Calculate the 'Deficit/Surplus

If Residual Consumption > Residual Production Prelim = Deficit

$$\text{Deficit} = \text{Residual Consumption} - \text{Residual Production Prelim}$$

If Residual Consumption < Residual Production Prelim = Surplus

$$\text{Surplus} = \text{Residual Consumption} - \text{Residual Production Prelim}$$

Step 4)

Calculate the Final Residual Mix of Ireland and Northern Ireland

$$\text{Final Residual Mix}_f = \text{Residual Production Prelim}_f + \text{Deficit} * \text{European Attribute Mix}_f - \text{Surplus}_f$$

Electricity Suppliers in Ireland and Northern Ireland form their Fuel Mix Disclosure through a combination of:

- 1) cancelled GOs
- 2) Contract-Based Tracking for Supported Renewable electricity, and for some fossil-fuelled electricity
- 3) Residual Mix

Where the Residual Mix is used to close the gap between total annual consumption and known attributes from points 1 and 2 above.

[CER/15/205](#) sets out a regulatory approach to green source products. Any supplier in Ireland (only) offering RES products must go through a verification process to ascertain that they have claimed sufficient GOs and supported RES to account for the sale of green source products. The verification process is carried out by SEMO on behalf of the CRU that publish the outcome. Suppliers offering green source products must make available on their website the RES Product mix and if applicable, the non-RES Product mix. There is no equivalent regulatory approach to green source products for suppliers in Northern Ireland.

The supplier mix and All-Island fuel mix must be published on customer bills both by Irish and Northern Irish suppliers.

- C.3.3. The Disclosure submission deadline is 31st March of the year after the relevant Disclosure year.
- C.3.4. GOs are valid for Disclosure for 18 months from the production period. A GO may be cancelled for any Disclosure year in which it is valid. For example, a GO with production period January 2022 is valid until July 2023 and may be used in Disclosure for 2022 or 2023.
- C.3.5. If a GO is not cancelled by the Disclosure submission deadline as defined in C.3.3 for the latest allowable Disclosure year based on the GOs validity as

defined in C.3.4 then the GO will be considered expired and included in the Residual Mix.

C.4 National Public Support Schemes

This section demonstrates compliance with the following EECS Rules:

None directly						
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The main Support Scheme in Ireland is the Renewable Electricity Support Scheme (RESS) to provide Support to Renewable electricity projects in Ireland. With a primary focus on cost effectiveness, the RESS delivers a broad range of policy objectives, including:

- An Enabling Framework for Community Participation through the provision of pathways and Supports for communities to participate in Renewable energy projects
- Increasing technology diversity by broadening the Renewable electricity technology mix
- Delivering an ambitious Renewable electricity policy to achieve Ireland’s 80% Renewable electricity target by 2030
- Increasing energy security, energy sustainability and ensuring the cost effectiveness of energy policy

The first RESS auction was completed on 04/08/2020 with further RESS auctions to be held at frequent intervals throughout the lifetime of the scheme. Further information can be found at:

<https://www.gov.ie/en/publication/36d8d2-renewable-electricity-support-scheme/>

The RESS scheme replaces the previous REFIT (Renewable Energy Feed in Tariff) Support Scheme.

The REFIT scheme began in 2006 and is still operational as well with Support for up to 15 years for Qualifying Production Devices. Further information on the REFIT scheme can be found at:

<https://www.gov.ie/en/publication/9bf994-renewable-energy-feed-in-tariff-refit-scheme/>

The RESS and REFIT schemes are funded by a Public Service Obligation (PSO) levy and are administered by the government Department of Communications, Climate Action and Environment (DCCA) (formerly known as the Department of Communications Energy and Natural Resources (DCENR)). In Ireland, Production Devices in receipt of Support do not receive Guarantees of Origin. In terms of the annual Fuel Mix Disclosure calculation, the attributes of these Renewable Production Devices are assigned to the suppliers who hold the Power Purchase Agreement (PPA) and distributed equally to their customers.

C.5 EECS Product Rules

This section demonstrates compliance with the following EECS Rules:

E6.2.1f	E6.2.1g					
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- C.5.1. SEMO issues GOs for the Purpose of Fuel Mix Disclosure.
- C.5.2. The GOs are issued by SEMO on a monthly basis with an 18-month Expiry period.
- C.5.3. The EECS Product Rules as applied in Ireland are set out within sections D and E of this document.

C.6 Local Deviations from the EECS Rules

This section identifies those areas where there are minor differences from the EECS Rules without impacting the integrity of GOs.

- C.6.1. No GOs are awarded for solar Production Devices with an installed capacity less than 10 kW. The electricity produced by those devices is deemed to be consumed on-site.
- C.6.2. No GOs are awarded for the pumped storage devices. SEMO do not have the requisite verification mechanism in place to ensure that EECS RES-GOs are only awarded for electricity produced from water that has not been pumped uphill i.e. natural inflow.
- C.6.3. No GOs are issued for electricity from high-efficient cogeneration as there is no appropriate Supervisory Framework in place.
- C.6.4. No GOs are issued for Production Devices in receipt of Support.

C.7 Non-EECS Certificates in the Domain

- C.7.1. SEMO is authorised to Issue the following types of energy Certificates outside of the EECS Framework: National GOs. National GOs are issued based on a Regulator approved process of calculation for a small number of Production Devices that have a single meter but wind turbines some of which are still under support and others that are eligible for GOs. While duplication of CBT and GOs is avoided the measurement is not seen as appropriate for EECS GO standards. National GOs are issue for Fuel Mix Disclosure purposes in Ireland only.
- C.7.2. The following parts of this Domain Protocol also apply for these non-EECS GOs: All parts of this Domain Protocol also apply for National GOs with the exception that National GOs may not be transferred outside of Ireland.

D Registration

D.1 Registration of an Account Holder

This section demonstrates compliance with the following EECS Rules:

G2.2.1						
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D.1.1. Any electricity producer or supplier active in the Irish Domain can be an EECS Account Holder. The application process begins by the Account Holder completing an online form (Annex 2) and agreeing to the terms and conditions of the scheme. These include:

- a. Agreeing to abide by the [GO Scheme Business Processes](#)

D.1.2. Agreeing to abide by the Supervisory Framework set out in regulatory decision paper [CER/11/824](#). The Account Holder must also sign two copies of the Standard Terms and Conditions provided by SEMO and post these to SEMO. The required attachments of the Standard Terms and Conditions include:

- i. Name and address of the organization
 1. Company registration number and company report from relevant authority
 2. Names of authorised signatories
 3. The Standard Terms and Conditions should be signed by this/these Signatory/Signatories
- ii. A copy of the passport or other legitimate ID of each signatory of the Standard Terms and Conditions.
- iii. A copy of the passport of the Authorised Person (root user).

D.1.3. If the Account Holder nominates an Authorised User to operate on their behalf, an Authorised User Form (Annex 4) needs to be completed, signed and submitted.

D.1.4. After receiving all documentation from the applicant, SEMO evaluates whether the application can be accepted. Handling time of correctly submitted applications is 5 business days. Reasons for rejection may be:

- a. required documents are missing or not properly filled / signed
- b. SEMO has doubts about the expertise and/or aims of the applicant

D.1.5. If the application is accepted, SEMO:

- a. accepts Account Application in the G-REX registry for the applicant organization. A log in link will be sent automatically via e-mail to the named root user of the applicant. An initial password will be sent via SMS and then the root user will be requested to set a unique password. To complete log on the user will be requested to complete two factor authentication using the Microsoft Authenticator app. One Account Holder organisation can have multiple users, which can be created by the root user of that Account Holder.
- b. EirGrid plc and SONI Limited (in their capacity as Single Electricity Market Operator) signs both copies of the Standard Terms and Conditions, archives one and sends the other to the Account Holder to be archived.

D.1.6. The regulatory approved GO Registration business process is available from the SEMO website.

D.2 Resignation of an Account Holder

This section must demonstrate compliance with the following EECS Rules:

None directly						
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D.2.1. Resignation

The Account Holder must notify SEMO of their intent to close their Account in written form. The effective date of closure must not be less than 10 working days from the date of receipt by SEMO.

SEMO will close the Account on the EECS Registration database as of the effective date listed in the request or 10 days from the date of receipt by SEMO, whichever is later.

Notwithstanding E.8 and E.9 any GOs not transferred before the notice to close the Account will go into the Residual Mix for Ireland when they expire.

D.3 Registration of a Production Device

This section demonstrates compliance with the following EECS Rules:

C2.1.1	C2.1.2	C2.2.4	D4.1.2	E3.3.10	E3.3.11	N6.2	O6.2
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D.3.1. Application

Account Holders, which aim to register a Production Device, are referred to as Registrants. Only the owner of a Production Device, or a Registrant duly authorised by the owner, may register a Production Device, which is in Ireland, into the EECS Registration database.

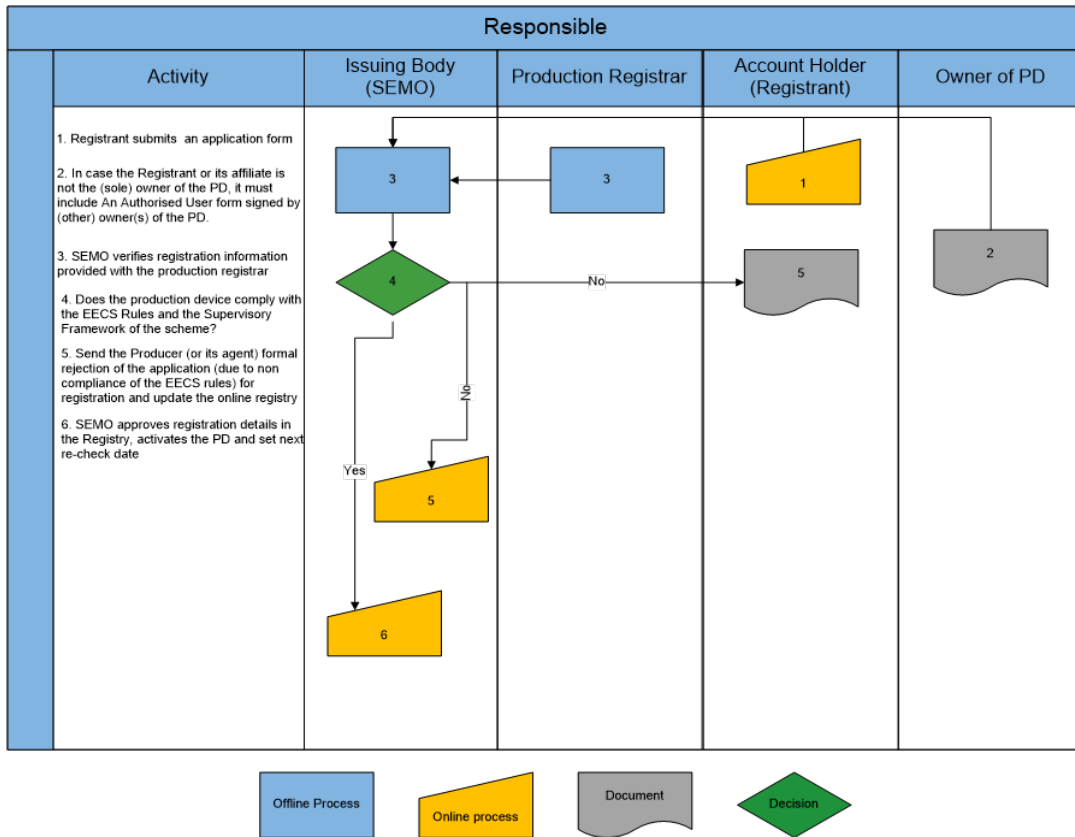
Production Devices can only be registered if they meet the qualification criteria for EECS. To be qualified, Production Devices must:

- be situated in Ireland;
- be capable of producing electricity using Renewable energy source(s); and
- must not be in receipt of Support for ongoing production of electricity.

D.3.2. Maintenance of standing data

An Account Holder must immediately notify SEMO in writing of any changes of their standing registration data to allow for this information to be updated in the EECS Registration Database. SEMO will amend the EECS Registration database accordingly on receipt of notification; provided Production Registrars have verified the registration data.

D.3.3. Process:



1. The Registrant must submit a registration form with the following data using the online registry (see Device Registration Form screenshots in Annex 3):
 - Production Device: Name, address, registrant, start date, commissioning date, installed capacity, earmark name and type, operator, applied EECS schemes and all owners.
 - 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.
 - Technology code of the Production Device according to technology codes in AIB EECS Fact Sheet 5.

Where the Registrant is the agent of the PD owner it must be authorized by the PD owner to register the PD on its behalf (see Authorised User Form Annex 4).

By registering a Production Device for the Purpose of EECS, the Registrant consents to the publication of limited data of the Production Device:

- Name
- Domain
- Fuel(s) type
- Technology type

- Installed capacity
- Date of commissioning
- Location
- Name and address of operator
- Support Schemes

As the Production Device is registered into G-REX, 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.

2. SEMO validates the application internally and with the assistance of the Production Registrars. The Production Registrars can verify data of the PD application including, but not limited to:
 - Ownership
 - Metering
 - Date of Commissioning
 - Installed Capacity
 - Location
 - Fuel(s) type
 - Technology type

D.3.4. Support Scheme Checks

All checks relating to whether a unit is (or has previously been) in receipt of Support are verified with the DCCAE, the administrators of the Support Scheme mechanism in Ireland. This is checked by SEMO during the Production Device registration process. In the case that the production device has exited a Support Scheme mid-year, suppliers can declare supported RES for Fuel Mix Purposes up until the date they exited Support and GOs can only be issued from the date the Production Device exited the Support Scheme.

Also, the agreement that producers sign with the DCCAE states that they agree to not claim GOs and that they must exit the Support Scheme should they wish to receive GOs (and cannot re-enter).

SEMO also complete a check during the annual Fuel Mix Disclosure calculation to ensure that units that suppliers have included in their declarations are not in receipt of both Support and GOs.

Therefore, fraudulent activity would be captured at this point and the DCCAE would be informed and pursue legal recourse against the participant in question. If fraudulent activity is discovered and the Certificates have been exported, SEMO will advise the Member State as per Section E.6.6.

A metering diagram of the PD can be supplied by the EirGrid (Transmission System Operator) or ESB Networks Ltd (Distribution System Operator), where necessary. This diagram should include at least the following information:

- Connection to grid(s)
- Location and codes of all export and import meters
- Location of transformers
- Location of generation auxiliaries

- 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;
3. The Production Registrar determines whether a physical inspection of the PD is necessary to verify the information. A physical inspection may be deemed unnecessary if the Production Registrar is able to verify the relevant Production Device data using existing information. If physical inspection is deemed necessary, the Production Registrar will conduct it.
 4. Finally, a decision is made of the acceptance of the Production Device
 - If either SEMO or the Production Registrar deem that the Production Device does not satisfy the requirements laid out in the Supervisory Framework or the EECS Rules, SEMO rejects the application and informs the registrant. The rejection notice shall include reasons of the rejection.
 - If both SEMO and the Production Registrar deem that the Production Device satisfies the requirements laid out in the Supervisory Framework and the EECS Rules, SEMO enables the issuing of GOs for the device and activates the Production Device. When the Production Device is activated, SEMO will inform the Registrant.
 5. If the application is rejected, this is communicated formally to the applicant and the registry is amended to reflect this rejection.
 6. If the application is accepted, the registry is amended to reflect this approval. The five-year review date is also updated at this point.

D.4 De-Registration of a Production Device

This section must demonstrate compliance with the following EECS Rules:

None directly						
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D.4.1. Resignation

The Registrant must notify SEMO of intent to deregister their Production Device in writing.

The Account Holder must notify SEMO of their intent to deregister the Production Device in written form. The effective date of deregistration must not be less than 10 working days from the date of receipt by SEMO.

SEMO will deregister the Production Device on the EECS Registration database as of the effective date listed in the request or 10 days from the date of receipt by SEMO, whichever is later.

D.5 Maintenance of Production Device Registration Data

This section demonstrates compliance with the following EECS Rules:

C2.2.1	C2.2.2	C2.2.3	C2.2.5	D5.1.2		
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D.5.1. Re-registration of Production Devices

The registration of a Production Device expires after five years. The Registrant must re-apply for registration for the Production Device before Expiry. SEMO will advise participants when the five-year deadline is approaching and request that the participant review the data and either confirm data is unchanged or advise of changes. SEMO will verify the data with the Production Registrar following the process detailed in D.3.3.

D.5.2. Changes to Registration Data

The Registrant of a Production Device must notify SEMO immediately of any planned or unplanned changes to their standing Production Device data.

The registrant must notify SEMO of such changes by making the necessary amendments to Production Device information in the central Certificate registry G-REX.

On receipt of a change of details notification SEMO will verify the change and respond to the Registrant within 10 working days specifying the decision taken. SEMO may respond to the changes by approving or rejecting them in the central Certificate registry G-REX.

If SEMO becomes aware that a Production Device no longer fulfils, or will no longer fulfil, the qualification criteria, the EECS Registration Database record for that Production Device will be updated to show that the Production Device no longer qualifies for EECS 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 aware.

D.5.3. Production Devices located on border between Domains

If the Production Device is located in the Irish Domain, connected to the Irish Grid and eligible to receive GOs then SEMO will issue GOs for the Output.

D.5.4. Changes to Capacity

If there is a change to the Production Device's Registered Capacity, this must be approved by the relevant Production Registrar. The Account Holder must notify SEMO of such changes by making the necessary amendments to Production Device information in the central Certificate registry G-REX and SEMO will approve or reject based on validation from the Production Registrar.

D.5.5. Changes in relation to qualification

If SEMO becomes aware that a Production Device no longer qualifies for GOs under the EECS rules, then any Certificates issued in error will be dealt with in accordance with Section E.7 of the Domain Protocol.

D.6 Audit of Registered Production Devices

This section demonstrates compliance with the following EECS Rules:

E3.3.7	E3.3.8	D5.1.2				
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D.6.1. SEMO shall at its own discretion conduct inspections of Production Devices registered on its EECS Registration Database.

D.6.2. The Registrant, either as the owner or on behalf of the owner and operator of the Production Device, must permit SEMO, or a Production Registrar as its agent, to access the Production Device or records associated with it, its energy Output and sources of energy.

D.6.3. SEMO shall use the Production Registrars to verify various points of information for example:

	Transmission Connected Production Devices	Distribution Connected Production Devices
Generation Licence	Commission for Regulation of Utilities	Commission for Regulation of Utilities
Connection Agreement	EirGrid	ESB Networks Ltd
Operational Certificate	EirGrid	EirGrid
Metering Arrangements	EirGrid	ESB Networks Ltd

D.6.4. The period between inspections of a Production Device will not exceed 5 years.

D.6.5. Refusal to permit access may be considered a breach of the Standard Terms and Conditions.

D.6.6. Registrants must report any changes to standing data of a Production Device under D.5.2.

D.6.7. 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. Certificates will not be issued before corrective actions have been performed.

D.7 Registration Error/Exception Handling

This section demonstrates compliance with the following EECS Rules:

C2.2.2	E4.2.7					
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D.7.1. Any errors in GOs resulting from an error in the registered data of a Production Device will be handled in accordance with Section E.7.

D.7.2. Error handling

If SEMO detects an error in the information of a Production Device in the central registry, it applies the procedures outlined in Section E.7.

E Certificate Systems Administration

E.1 Issuing -EECS Certificates

This section demonstrates compliance with the following EECS Rules:

A2.1.1	A2.1.2	C3.1.1	C3.2.1	C3.3.1	C3.4.2	C3.4.4
E3.3.10	N3.1.1	O3.1.1				

E.1.1. Qualification and EECS Products

GOs can be issued

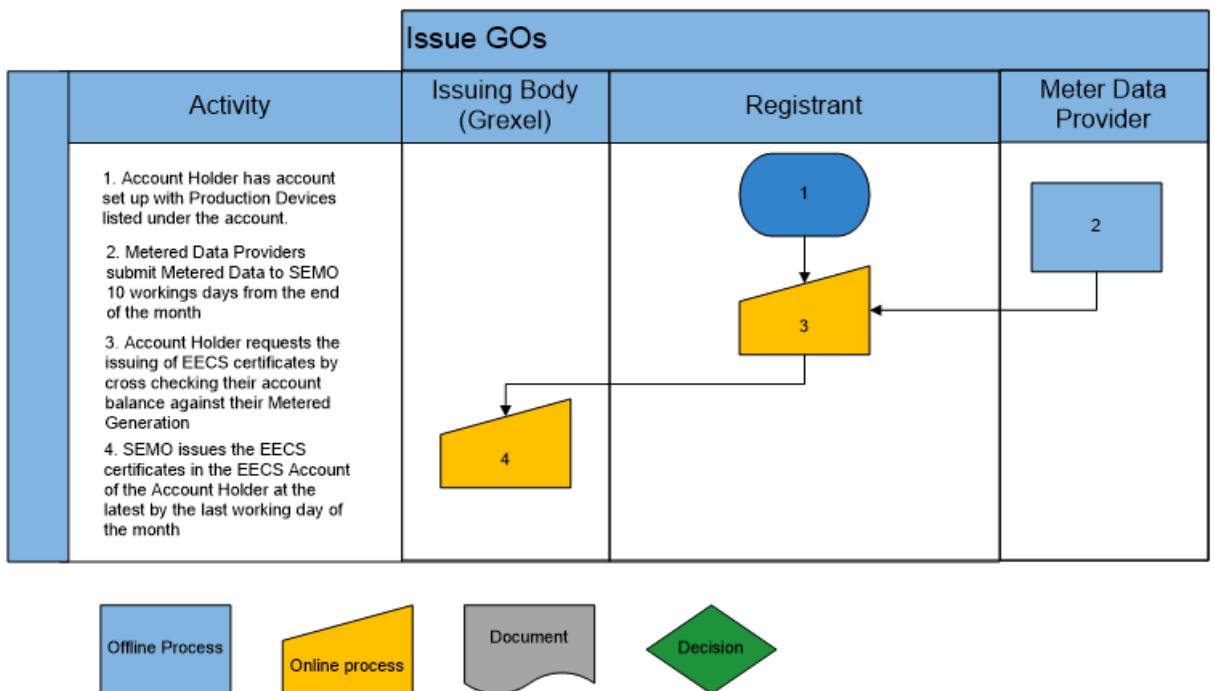
- a) in respect of the Qualifying Output of such a Production Device during any period in which it was registered for the Purpose of the EECS scheme according to section D.3; and
- b) for EECS products relating to electricity from Renewable sources and in accordance with section C6 above.

E.2 Processes

This section demonstrates compliance with the following EECS Rules:

A4	C3.4.1	C3.4.3	C3.5.1	C3.5.2	C3.5.3	C4.1.1
C4.1.3	D7.1.2	E2	N6.4	O6.4.		

E.2.1. Process:



1. SEMO issues Certificates using the G-REX registry for monthly production of all Production Devices registered in the GO System. Issuing will be completed by the last working day of the month following the relevant production period.
2. Measurement Bodies send data of Net Electrical Energy Generation of Production Devices to SEMO for the Purpose of issuing Guarantees of Origin.
3. SEMO issues GOs and deposits them to the Account nominated by the Registrant in the G-REX registry. One GO is issued for each whole MWh of Qualifying Output of a registered Production Device. Any identifiable residual kWh will be carried forward to the next issuing period.
4. SEMO may announce collectively to Account Holders that the issuing has been done using the online registry.

E.3 Measurement

This section demonstrates compliance with the following EECS Rules:

D6.1.2	N6.4.	O6.4				
--------	-------	------	--	--	--	--

E.3.1. Only Production Devices that are equipped with metering equipment that complies with the relevant regulations for the trading of generation energy shall be registered.

E.3.2. In its role as Market Operator, SEMO has access to the within Single Electricity Market metered data in order to settle the market, therefore this information is readily available. SEMO has an agreement with the MRSO for out of Single Electricity Market generation to be sent to SEMO 10 working days from the end of the month.

E.4 Energy Storage

This section demonstrates compliance with the following EECS Rules:

N5.3.1	C3.2.2	C3.6		
--------	--------	------	--	--

E.4.1. SEMO does not issue for energy storage at present.

E.5 Energy Carrier Conversion

This section demonstrates compliance with the following EECS Rules:

C3.2.2	C3.5.4(u)	C3.6		
--------	-----------	------	--	--

E.5.1. SEMO does not have energy carrier conversion at present.

E.6 Combustion Fuel (e.g. Biomass) Input and Production Devices with multiple energy Inputs

This section demonstrates compliance with the following EECS Rules:

N6.3.2	O6.3.2			
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E.6.1. SEMO does not currently issues GOs for Combustion Fuels. The relevant procedures and approvals from the CRU would need to be obtained first.

E.7 Format

This section demonstrates compliance with the following EECS Rules:

C.3.5.4	C3.5.5	N6.5	N6.6	O7	O8	C3.4.4	E3.3.10	N3.1.1	O3.1.1
---------	--------	------	------	----	----	--------	---------	--------	--------

- E.7.1. GOs are issued based on the format of the electronic database provided by the software provider Grexel.
- E.7.2. GOs shall be Issued in such format as may be determined by AIB from time to time.

E.8 Transferring EECS GOs

This section demonstrates compliance with the following EECS Rules:

C5.1.1	C5.1.3	C5.1.6				
--------	--------	--------	--	--	--	--

- E.8.1. The Account Holder can get secure electronic access to the Account to make transfers of Certificates in the EECS Registration Database to another Account in the Irish Domain or to an Account in another Domain through the website G-REX.com.
- E.8.2. Only persons duly authorised by the Account Holder may request the transfer of EECS GOs from that Account Holder's Transferable Account. Authorised persons must be identified on the Account application form Authorized persons can also later be added by an existing user with adequate rights of that Account Holder.
- E.8.3. GOs can be transferred to the EECS Registration Database. However; only EECS GOs can be cancelled for Fuel Mix Disclosure in the Irish Domain.
- E.8.4. The initiation of transfers is done in the G-REX registry by the selling Account Holder.
- E.8.5. The transfer of Certificates and the confirmation of that transfer are automated.

When the Account Holder has initiated the transfer, the System instantly displays a message of whether or not the initiation has been successful.

When transferring between two Accounts in the G-REX registry, the Certificates are automatically transferred to the receiving Account if the initiation of the transfer is successful. If the initiation of the transfer is not successful, the Certificates do not leave the Account of the original Account Holder.

When transferring between Accounts in two different registries, 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.

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

E.8.6. Administration of malfunctions, corrections and errors.

The issuing body SEMO has the right to perform corrective actions such as Withdrawal or transfer of Certificates in its own registry where Certificates have been erroneously issued or transferred. SEMO will liaise with other issuing bodies if the Certificate has left the Irish registry.

E.8.7. Where it is impossible to transfer for technical reasons, this can be overcome by cancelling Certificates for use in another Domain (referred to as Ex-Domain Cancellation), with the agreement of the importing issuing body. Any such cancellations are notified to the “importing” issuing body and the AIB Secretariat.

E.9 **Administration of Malfunctions, Corrections and Errors**

This section demonstrates compliance with the following EECS Rules:

C5.1.7	C8.4.1	C8.4.2	C8.4.3	C8.5.1	D9.1.2	
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E.9.1. If SEMO detects errors in the Account Holder information, it will correct them immediately. The relevant Account Holder will be informed of such actions.

E.9.2. If SEMO has issued too many Certificates in error, SEMO will remove EECS GOs of the same type and with the same combined Face Value and from the relevant Account Holder to compensate for the discrepancy. In the event that SEMO has issued too few Certificates in error, it will issue additional EECS GOs for the relevant Fuel Type, Production Device and production period.

If the data in an EECS GO(s) is inaccurate (whether or not through an act or omission of the Registrant of the Originating Production Device):

- a. SEMO will (provided that such EECS GOs are, at the time of such Withdrawal, in the Transferable Account of that Registrant) Withdraw those Certificates; and
- b. In the case when Certificates are no longer in the Irish Domain, SEMO will cooperate with other Issuing Bodies to withdraw the erroneous Certificates.

E.9.3. SEMO may also alter a GO held in its EECS Registration Database so as to rectify an error which occurred prior to its transfer into the Account in which it is held at such time, provided:

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

E.9.4. Once issued, the details of an EECS GOs cannot be altered or deleted except to correct an error.

E.10 End of Life of GOs – Cancellation

This section demonstrates compliance with the following EECS Rules:

C5.2.3	C6.1.1	C7.1.1	C7.2.1	C7.2.2	C7.2.3	C7.3.1	E3.3.10	N3.1.1	O3.1.1
--------	--------	--------	--------	--------	--------	--------	---------	--------	--------

E.10.1. Account Holders possessing Certificates, can perform cancellations by executing the transaction in the registry. The Account Holder must specify the Certificates to be cancelled 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 not possible are excluded from the list of “country of consumption”, which is used to prevent ex-Domain cancellations from Ireland to these Domains.

Cancellation is removing a Certificate from circulation. Once cancelled a Certificate cannot be moved to any other Account, and so is no longer transferable.

E.10.2. The cancellation of Certificates uses the G-REX System. Certificates can only be cancelled once. Cancelled Certificates are removed from Transferable 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, which are printable in G-REX or they can generate an official Cancellation Statement from the System (Annex 5).

E.10.3. Having performed a cancellation, the Account Holder receives a confirmation of the success or failure of the cancellation once confirmed by SEMO via the G-REX registry.

E.10.4. Cancellation is removing a Certificate from circulation. Once cancelled, a Certificate cannot be moved to any other Account, and so is no longer transferable.

E.10.5. GOs can be cancelled up to 18 months after their relevant production period.

E.10.6. GOs that are not cancelled before they expire cannot be used for Disclosure and are automatically added to the Residual Mix.

E.11 End of Life of GOs – Expiry

This section demonstrates compliance with the following EECS Rules:

C5.2.3	C6.1.1c	E6.2.1h				
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E.11.1. GOs expire 18 months after the related production period in accordance with Supervisory Framework for GOs in Ireland. This means that for

example a GO issued for production of January 2022 shall expire on the 31st of July 2023.

E.11.2. The G-REX registry ensures that expired GOs are not available for transfer as the Registry automatically expires EECS Certificates according to Expiry rules E.9.1.

E.11.3. GOs which have expired in accordance with E.9.1 cannot be transferred or cancelled and are added to the Residual Mix.

E.12 End of Life of GOs – Withdrawal

This section must demonstrate compliance with the following EECS Rules:

C5.2.3	C6.1.1	C8.2.1				
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E.12.1. Withdrawal

SEMO may withdraw an EECS Certificate held in a Transferable 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.

Certificates can be withdrawn for the following reasons:

- if the Certificate has been issued as a result of fraudulent activity
- if the Certificate has been issued in error

Certificates issued in error will follow the error handling process in Section E.7.

F Activity Reporting

F.1 Public Reports

This section demonstrates compliance with the following EECS Rules:

E3.3.4	HPA section 14.2						
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F.1.1. For each technology, statistical information are published on [G-REX.com](https://www.grex.com) , regarding:

- certificates issued, transferred internally intra-domain, imported, exported, cancelled, expired during each month prior to the current month
- certificates issued, transferred internally intra-domain, imported, exported, cancelled, expired in relation with the energy produced during each month prior to the current month,
- certificates imported through a bilateral connection.

F.1.2. Irish GO Market Information is continually published on [G-REX.com](https://www.grex.com) including:

- A list of Account Holders registered for the Scheme in the Irish Domain
- A list of Production Devices registered for the Scheme in the Irish Domain
- Information on Certificates that have been Issued
- Information on Certificates that have been Transferred
- Information on Certificates that have been Cancelled (for use within Ireland; and for use in other Domains)
- Information on Certificates that have been Exported
- Information on Certificates that have been Imported
- Information on Certificates that have Expired

F.2 Record Retention

This section demonstrates compliance with the following EECS Rules:

A12.1.1	C5.1.2	D8.1.2					
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F.2.1. SEMO retains operational and standing data as follows:

Data	Time	Medium
Standard Terms and Conditions and its appendices	Until 1 year after termination of the STC by either party	Electronic Archive
Production Device Registration forms, audit reports and Authorised User Forms	Minimum of 10 years, or until 1 year after termination of the STC by either party.	Electronic Archive
Half Hourly meter reading data (for units registered in the SEM) Daily meter reading data (for out of SEM units)	Minimum of 10 years, or until 1 year after termination of the STC by either party.	Electronic Archive and Database backups
Transaction data	Minimum 10 years, or until 1 year after termination of the STC by either party.	Database backups

F.3 Orderly Market Reporting

This section demonstrates compliance with the following EECS Rules:

E4.2.5	E4.2.6	E4.2.7				
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F.3.1. SEMO will advise AIB of non-compliance of the Standard Terms and Conditions as soon as SEMO becomes aware of such action.

F.3.2. SEMO will enforce the rules in relation to any act of non-compliance.

SEMO will provide all required information to AIB to resolve or investigate such action.

G Association of Issuing Bodies

G.1 Membership

This section demonstrates compliance with the following EECS Rules:

C2.2.6	C2.2.7					
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G.1.1. The Association of Issuing Bodies brings together the issuing bodies of European energy Certificate schemes. The AIB promotes the use of a standardised System, based on a harmonised environment, structures and procedures in order to ensure the reliable operation of European energy Certificate Systems. With its independent and peer reviews, and its periodic audits, the AIB provides a robust framework for reliable and fraud-resistant GO Systems. Among others, it can also act by suspending transfers through the Hub. Membership of AIB facilitates mutual recognition of GOs across Europe.

G.1.2. In case SEMO 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 EECS. Certificate issuing under EECS would stop, and EECS GOs would remain transferable only until Expiry.

G.1.3. In case SEMO ceases to be the Authorised Issuing Body for GOs, it shall revise its EECS Registration Database so that each Production Device in the Domain ceases to be registered for the Purposes of GOs, it shall stop issuing GOs and after a transitional period the registry shall be taken offline.

G.2 Complaints to the AIB

This section must demonstrate compliance with the following EECS Rules:

None directly	(J1.1.2)					
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An Account Holder can notify the Secretary General of AIB in writing in case:

- a) an Authorised Issuing Body in relation to a GO is in breach of any of the provisions of Product Rules in relation to GOs; or
- b) any Product Rules do not comply with the relevant provisions of the EECS Rules, and evidence is provided substantiating such allegation, and that the Authorised Issuing Body has been given adequate opportunity to respond to such allegation.

The General Secretary of AIB shall invite the relevant Authorised Issuing Body to respond to the allegation.

H Change Control

H.1 Complaints to SEMO

This section must demonstrate compliance with the following EECS Rules:

None directly						
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- H.1.1. SEMO will endeavour to deal with complaints received with regards to the SEMO as soon as possible and within a period of 20 business days.
- H.1.2. The complaint will be acknowledged within one working day.
- H.1.3. SEMO will liaise with all relevant and named parties in relation to the complaint and respond back to the participant.
- H.1.4. If deemed necessary, the complaint can be escalated to the Market Operations - Trading Manager or Director of Market Operations for resolution.
- H.1.5. Complaints can be lodged by emailing guaranteesoforigin@sem-o.com.

H.2 Disputes

This section must demonstrate compliance with the following EECS Rules:

None directly						
---------------	--	--	--	--	--	--

- H.2.1. Any named party involved in the issue can raise a dispute.
- H.2.2. The dispute will be acknowledged within one working day.
- H.2.3. SEMO will liaise with all relevant and named parties in relation to the dispute and respond back to the participant.
- H.2.4. SEMO will endeavour to amicably and practically resolve the resolution with all relevant parties.
- H.2.5. Following this, if no resolution has been found, SEMO will engage with the Legal department of the SEMO for implementation of a resolution.
- H.2.6. SEMO will apply the principles of the Standard Terms and Conditions document in all disputes.
- H.2.7. Appeals can be made to the CRU and the relevant Government department.
- H.2.8. Disputes can be lodged by emailing guaranteesoforigin@sem-o.com.

H.3 Change Requests

This section demonstrates compliance with the following EECS Rules:

E4.2.3	E6.2.1e	L5.1.1				
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H.3.1. An Account Holder may propose a modification to this Domain Protocol.

H.3.2. 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 SEMO.

H.3.3. On receipt of such a request, SEMO will:

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

- Decide whether the request and its consequences are in its opinion reasonable;

If the proposal leads to the modification of the Domain Protocol or if it is otherwise seen important to disseminate, inform the EECS Participants within Ireland the outcome of this decision.

Annex 1: Contacts List

Issuing Body and Registry Operator

Name: Cian Clarke

Organisation: SEMO

Position: Market Controller

Email: guaranteesoforigin@sem-o.com

Competent (Regulatory) Authority

Name: Mantas Vencius

Organisation: CRU

Email: fuelmix@cru.ie

Measurement Bodies

Within SEM Production Devices

Organisation: EirGrid

For contact details email guaranteesoforigin@sem-o.com

Out of SEM Production Devices

Organisation: MRSO

For contact details email guaranteesoforigin@sem-o.com

Production Registrars and Production Auditors

Within Single Electricity Market (SEM) Production Devices

Organisation: EirGrid

For contact details email guaranteesoforigin@sem-o.com

Out of Single Electricity Market (SEM) Production Devices

Organisation: ESB Networks Ltd

For contact details email guaranteesoforigin@sem-o.com

Annex 2: Account Application/Amendment Form

GO - Account Holder Application



This form is part of the application requirements for registering an Account Holder in the Guarantees of Origin.

Please provide details of the person who should be contacted regarding this application.

Name	
Internal Transaction Without 4 Eye Approval	
Business ID (CRO ID)	
Role	
Website	

If more than one contact is authorised to liaise with SEMOPX on this application please duplicate the above details.

2. GO Applicant - Administrator User to the Registry

Title	
First Name	
Last Name	
Email	
Mobile	
Office Phone	
Street	
City, County	
Country	
Zip Code	

3. GO Applicant - Company Details

For Republic of Ireland and United Kingdom companies the following must be provided at the time of the submission of the Account Holder Application: For RUI & UK companies - required to provide certified copies of the licence from the Commission of the Regulation of Utilities, CRO - Company Printout dated within the last six months that confirms the Director listings & copy of the signatories passport.

3 (b) Registered Company Address

Please provide the registered company address of the Party.

Address 1	
Address 2	
Address 3	
City	
County	
Post Code	
Country	
Company Phone	

5. GO Applicant - Confirmations

- I agree to timelines and conditions set out in SEMO's Business Process Documents for Guarantees of Origin.
- I have read and agree to the Supervisory Framework as set out in the decision paper CER/11/824.

1. GO Applicant - Business Contact

Please provide details of the person who should be contacted regarding this application.

Title	<input type="text"/>	Street	<input type="text"/>
First Name	<input type="text"/>	City, County	<input type="text"/>
Last Name	<input type="text"/>	Country	<input type="text"/>
Email	<input type="text"/>	Zip Code	<input type="text"/>
Mobile	<input type="text"/>		
Office Phone	<input type="text"/>		

If more than one contact is authorised to liaise with SEMOpx on this application please duplicate the above details.

Technical Contact Same as Business Contact

Annex 3: Device Registration Form

Edit

General

Production device GSRN *
643002406639000058

Start date time *
01/01/2022 0.00

End date time
day/month/year hour:minute

Production device name *
abc

National ID

Description

Declaration types

Address

Fill either address or coordinate codes or both

Street *
abc

Zip code *
abc

City *
abc

Country *
Ireland

Coordinates

Fill either address or coordinate codes or both

Coordinate code *
GIS

Latitude N *
abc

Grid

Grid connected

Grid area code *
TSO - Transmission

Description

abc
GSRN : 643002406639000058
Status : Submitted

Approve
Reject

GENERAL

ORGANIZATION

METER

LICENSE

Organization

Note: Plants organization role Registrant must be filled.

Add Organization

Role *	Organization *	Start date time *	End date time	Edit
Registrant	39XD5C185I - WIND	01/01/2022, 0.00		Edit Delete

« Previous
Next »

Meter

Note: Minimum one meter must be filled for a production device. The start date and end date must be within the responsible registrant period.

Add Meter

Grid reference *	Start date time *	End date time	Meter formula operator *	Meter coefficient *	Description	Edit
48273824370198	01/10/2022, 0.00		+	1		Edit Delete

« Previous
Next »



ELECTRICITY_RENEWABLE_EECS V71 (01/01/2022, 0.00 - 31/12/2026, 23.59)

Edit License

Copy license

Delete License

License type *

ELECTRICITY_RENEWABLE_EECS V71

Trading scheme *

GO

Allocation factor (%) *

100.000%

Earmark *

No support

Investment support description *

-

Production support description

-

Start date time *

01/01/2022 0.00

End date time

31/12/2026 23.59

Operational date *

01/11/2003

OWNERSHIP

Total ownership percentage must be 100%.

Organization and account issuing account number relationship: If owner organization is selected the issuing account numbers will be loaded based on owner organization and if both owner and aggregated organization are selected, the issuing account numbers will be loaded based on aggregated organization.

Ownership percentage (%) *

100.000%

Owner organization *

39XJ47DF11 - Arklow Energy Limited

Aggregated organization

Type account holder name or ID

Issuing account number *

64300240650046078 - EECS

ATTRIBUTES

Purpose *

Disclosure

Electrical capacity (kW) *

25 000,000

Energy medium *

Electricity

Electrical estimated annual production (MWh)

-

Product type *

Source

Add another license

Previous

Next

Annex 4: Authorised User Form Template

Authorised User Form

To whom it may concern,

In relation to the registration of a Production Device for the Purpose of the Guarantees of Origin (GO) Scheme in Ireland.

I/We [Name of the owner of the Production Device], [Address and business ID of the owner] hereby nominate

[Name of the empowered organisation] based at [Address and business ID of the empowered organisation]

to act on our behalf as the Registrant of the GO scheme and to perform any subsequent work and activity required for registration of said scheme and be the sole point of contact for SEMO regarding the Production Device:

[Name]

[Address]

[MPRN]

The Authorised User is valid from

Day_____Month_____Year_____

Until further notice by [Name of the owner]

Signed: _____

Date : _____

Annex 5: EECS Cancellation Statement

Cancellation Statement

This cancellation statement acts as a receipt for the certificates listed below and for the purpose shown. With this Cancellation Statement, released on the Transaction Date, the indicated certificates are no longer tradable. Onward sale of this Cancellation Statement is prohibited. The environmental qualities of the associated energy have been consumed and this Cancellation Statement and these certificates may not be transferred to any party other than the energy supplier or end-consumer specified below.

Transaction details		From account		Beneficiary	
Transaction type Cancellation	Status Completed	Organization name	Organization ID	Name of Beneficiary	Country of consumption Ireland
Transaction number	Volume	Domain Ireland SEMO	Domain code IE	Organization ID	Location of beneficiary Dublin, Ireland
Transaction started	Transaction completed	Account number		Consumption period	Usage type Disclosure
Public Statement No	Standard EECS	Street	ZIP code	Cancellation purpose	Type of beneficiary
		City	Country Ireland		

Certificate Number (From-To)	Volume	Production period	Issuing date	Issuing country	Issuing body	Trading schemes	Earmark	Plant name and GSRN	Energy source code and name	Technology code and name
				IE	SEMO (Single Electricity Market Operator)	GO				