

**Disclosure-GO  
Domain Protocol**

**for  
Switzerland**

**Prepared by swissgrid ag  
Based on Domain Protocol template: v1.5**

**Version 1.0**

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# A INTRODUCTION AND PURPOSE

## A1 Introduction

A1.1 Certification of the quality and method of energy output provides an efficient mechanism for accounting for: the quality of energy supplied to consumers and its method of production; the progress made towards targets for the use of sustainable energy technologies; and the production and consumption of energy for the purposes of stimulating investment in sustainable energy plant. Moreover, certification enables a value to be accorded to specific types of energy output and traded separately from the energy itself.

A1.2 For a system of energy certification to discharge these functions effectively, users of the Certificates – producers, traders, suppliers, consumers, NGO's and governments – must be satisfied that the Certificates provide reliable evidence of the qualities to which they relate. The European Energy Certification System (EECS) framework is designed to give all such users confidence in the Certificates issued and processed under EECS.

A1.3 The life cycle of a of a Disclosure-GO Certificate encompasses three phases: issuance, transfer and redemption:

- (a) Electronic Certificates are issued on registries in respect the energy output of Production Devices registered specifically for the purposes of Disclosure.
- (b) These Certificates may be transferred from the account of the producer to that of a trader, and so on; either within the country of origin or to other registries in the EECS network across Europe.
- (c) Redemption is the mechanism whereby the Certificate is removed from circulation. Redemption occurs at the point at which the value of the Certificate is realised. Examples of circumstances in which the Redemption of a Certificate may occur include: in connection with payment from a consumer in recognition of the qualities it represents; in connection with the award by government of a financial incentive, such as a tax rebate; or by way of discharge of a contractual or legal obligation.

A1.4 Together with the Standard Terms and Conditions, this Domain Protocol establishes the EECS Schemes for the Domain defined in B1.2 below.

## A2 Purpose

A2.1 This Domain Protocol sets out the procedures, rights and obligations for Disclosure as used within this Domain.

A2.2 This Domain Protocol is made binding between the Scheme Participant and swissgrid by agreement in the form of the Standard Terms and Conditions. The duties under this Domain Protocol are owed specifically between swissgrid and the Scheme Participant.

A2.3 The objective is to ensure quality in the robustness and transparency in facilitating Disclosure for all Scheme Participants.

A2.4 This document also contains explanatory text to help Scheme Participants. This text is for information only and is identified by having a shaded background.

A2.5 Important contact information is provided in Annex 1.

## **B SCOPE AND RESPONSIBILITY**

### **B1 This Domain Protocol**

- B1.1 This Domain Protocol specifies the procedures for the issue, and use as evidence of transfer of ownership and eventually removal of Disclosure-GO Certificates held within the EECS Registration Database of swissgrid and may only be amended or added to by swissgrid in accordance with section J below.
- B1.2 This Domain Protocol for Switzerland applies to the territory of Switzerland, in conjunction with Disclosure-GO Certificates held within the EECS Registration Database.

### **B2 Responsibility**

- B2.1 swissgrid is responsible for the operation of the Disclosure system for this Domain.
- B2.2 Some of the functions facilitating system operation may be contracted out to approved agents of swissgrid.
- B2.3 The Central Monitoring Office (CMO) is the primary role in the operation of an EECS Scheme in a Domain. The function of the CMO is to administer and maintain the database of qualifying Production Devices and Disclosure-GO Certificates for that Domain. In Switzerland this function is performed by swissgrid. The charges for accounts and transactions are shown on the website <https://www.guarantee-of-origin.ch/>.
- B2.4 The CMO is not responsible for the authorisation of Certificates, although it is responsible for 'issuing'; the creation of Certificate records within its registry.

## C Definitions

### C1 This document

#### C1.1

Unless the context otherwise requires or there is express provision to the contrary, all terms in this Domain Protocol shall have the meanings ascribed to them in section B of the Principles and Rules of Operation of the Association of Issuing Bodies (AIB) for The European Energy Certification System, which can be found at <http://www.aib-net.org>

TERM	MEANING
CMO	swissgrid being the company to administer the operation of the EECS Registration Database for the purposes of Disclosure within Switzerland;
Competent Authority	In relation to the exercise or discharge of any legislative, governmental, regulatory or administrative function, the body duly authorised under the laws and regulations of Switzerland to exercise or discharge that function;
Issuing Body	In Switzerland an issuing body for Swiss GO has to be accredited by the governmental accreditation body (SAS). swissgrid is accredited issuing body for Swiss GO in Switzerland. Disclosure GO is a sub scheme of Swiss GO in Switzerland.
Regulator	In Switzerland the so called "Elcom" (Elektrizitätskommission) acts as regulator.
Scheme Participant	An Account Holder or a Registrant of a Production Device on the EECS Registration Database for the purpose of Disclosure within Switzerland;
Net Electrical Energy Generation	The gross electricity production of a Production Device as evidenced by measured values collected and determined by an Authorised Body (or where appropriate an Approved Measurement Body) with reference to its Import and Export Meters (adjusted by meter amendments and the outcome of any disputes) minus the demand of any generating auxiliaries and minus losses in the main generator transformers on the site of the Production Device;

## **D DISCLOSURE-GO CERTIFICATES**

### **D1 Scheme Definition**

- D1.1 The European Parliament and the Council Renewable Energy Directive (2003-54-EC) requires electricity retailers to disclose the fuel mix of their sources of electricity. EECS Disclosure Certificates provide an auditable evidential mechanism for the transfer of generation attributes between generators and retailers. EECS Disclosure Certificates can be applied to all forms of electricity production.
- D1.2 swissgrid has been appointed to act as the registration database administrator for Disclosure-GO Certificates in Switzerland.

### **D2 Supplementary Definitions**

- D2.1 This Domain Protocol supplements the terms of the Disclosure-GO Scheme as set out in Swiss Energy Law (EnG, SR 730.0) and the respective decrees (EnV, SR 730.01 and UVEK-VO, SR 730.010.1).
- D2.2 An EECS Certificate Issued under the Disclosure-GO scheme is derived from and incorporates the relevant electronic data from one or more Disclosure-GO Certificates issued under Swiss Energy Law (EnG, SR 730.0) and the respective decrees (EnV, SR 730.01 and UVEK-VO, SR 730.010.1).
- D2.3 In addition to Disclosure-GO Certificates, RECS Certificates and GoO RES-E Certificates may be used for purposes of Disclosure.

### **D3 Qualifying Criteria**

- D3.1 The qualifying criteria for Production Devices are set out in Swiss Energy Law (EnG, SR 730.0) and the respective decrees (EnV, SR 730.01 and UVEK-VO, SR 730.010.1).
- D3.2 The qualification criteria for Production Devices are:
- (a) the Production Device is capable of generating electricity;
  - (b) the metering arrangements for the electrical inputs and outputs of the Production Device (including electrical energy consumed in storing energy for use by that Production Device) satisfy the legislative and administrative requirements applicable in Switzerland (including the requirements of this Domain Protocol);
  - (c) the Production Device satisfies the legislative and administrative requirements applicable in Switzerland (including the requirements of this Domain Protocol).
- D3.3 Disclosure-GO Certificates will not be issued for:
- (a) any electrical energy which has been found not to be generated from the energy source claimed by the Registrant of the Originating Production Device; or
  - (b) any Production Device which is not registered for the purposes of EECS Disclosure Certificates in the EECS Registration Database; or
  - (c) any electrical energy, of which the measured value has not been collected and determined by an Authorised Measurement Body.

### **D4 Support Schemes**

- D4.1 Support information is held within the EECS Registration Database.
- D4.2 The Registrant of a Production Device must inform swissgrid whether, and if so, what type of Public support has been, or is due to be received by the Production Device.

### **D5 Certificate Face Values**

- D5.1 In the Domain of Switzerland due to the national provisions for electricity disclosure (see Swiss Energy Law (EnG, SR 730.0) and the respective decrees (EnV, SR 730.01 and UVEK-VO, SR 730.010.1), Disclosure-GO Certificates can be Issued with the following Face Value:
- (a) 1kWh

- D5.2 For international use Certificates from the same Production Device and Production period will be accumulated to the minimum face value of 1MWh under respecting the provisions set in § H1.5.
- D5.3 If § D5.2 is applied, the Disclosure-GO Certificates that were based on § D5.1 and originally issued with a face value of 1kWh shall be indelibly marked in the system to record that they are no longer tradable.

# **E PARTICIPATION AND REGISTRATION**

## **E1 Scheme Participation**

- E1.1 Any legal person who is not a member of the Association of Issuing Bodies or such member's affiliate or agent can be a Disclosure-GO Scheme Participant.
- E1.2 The application form to open an Account can be found in Annex 5 and on the website <https://www.guarantee-of-origin.ch/>.
- E1.3 Disclosure-GO Scheme Participants must contract with swissgrid under the Standard Terms and Conditions.
- E1.4 swissgrid will issue each authorised user with an identification and password to enable secure communications. It is the responsibility of the Scheme Participant to keep such identification secret.

## **E2 Registration of a Production Device**

- E2.1 Only the owner of a Production Device, or a Registrant duly authorised by the owner, may register a Production Device, which is located in Switzerland in the EECS Registration Database.
- E2.2 The Registrant of the Production Device must provide evidence to the satisfaction of swissgrid that it has the appropriate authority to register the Production Device and that it can comply with the requirements of the Disclosure-GO Scheme for which the Registrant is applying 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 externally authenticated proof based on the legal provisions set in the relevant Swiss legal provision UVEK-VO, SR 730.010.1.
- E2.3 An applicant registering a Production Device must provide the following information:
- (a) the applicant's name and address and additional contact details, including the name of the individual responsible for the application, phone number, fax number and e-mail address;
  - (b) the names of persons authorised to act for the Registrant;
  - (c) the EECS Scheme or Schemes with respect to which it is applying for registration;
  - (d) the Transferables Account into which Scheme Certificates in respect of that Production Device are to be Issued;
  - (e) the location of that Production Device, its name and address;
  - (f) details of the Export Meter(s) for that Production Device;
  - (g) details of any generating auxiliaries associated with that Production Device;
  - (h) where there are generating auxiliaries associated with that Production Device, details of Import Meter(s) which determine the totality of electricity consumption by the Production Device;
  - (i) (irrespective of whether or not there is any intention to use such sources of energy in connection with the Production Device) all sources of energy that may be converted into energy outputs by that Production Device by reference to the source types set out in Annex 3;
  - (j) the nature of that Production Device, in terms of technology by reference to the types set out in Annex 3;
  - (k) the Nominal Capacity of that Production Device;
  - (l) where at the time of such application it has been commissioned, the date on which that Production Device was commissioned;
  - (m) the identity of the Authorised Body or, where appropriate, Approved Measurement Body responsible for collecting and determining the measured values of the energy outputs of that Production Device and providing such measured values to swissgrid;

- (n) a diagram of that Production Device, including details the location of:
    - (i) the Export Meter(s) for the Production Device;
    - (ii) any transformer substations at the site of the Production Device;
    - (iii) any generating auxiliaries for the Production Device; and
    - (iv) any Import Meters for the Production Device.
  - (o) a description of how the amount of Net Electrical Energy Generation produced by that Production Device shall be calculated from the meter readings to be provided.
- E2.4 The registration form containing all the items listed in E2.3 above can be found in Annex 2 to this Domain Protocol.
- E2.5 The Qualifying Criteria for a Production Device within the Disclosure-GO Scheme are given in D3 above.
- E2.6 The Registrant must warrant that the information provided to swissgrid in connection with its application is complete and accurate and that the Production Device meets the qualification criteria for Disclosure.
- E2.7 The Registrant must also provide details of any payments (other than payments arising from the sale of Disclosure-GO Certificates issued in respect of the Production Device concerned) which have been received by, or are due to accrue to, any person in relation to the Production Device under any of the Public Support schemes identified in **Error! Reference source not found..**
- E2.8 The CMO, swissgrid, will respond to the application within ten (10) working days from its receipt.
- E2.9 The Registrant must have the information in the registration form verified by a Production Registrar (see I2.1 below) as part of the approval process.
- E2.10 Where the Production Device is already accredited to another EECS Scheme or legislative support scheme, the CMO, swissgrid, may determine that part or all of the verification of this application is not required.
- E2.11 An application for the registration of a Production Device for the purposes of Disclosure will be rejected if:
  - (a) in relation to that application, the applicant has failed to comply with any requirements of this Domain Protocol or the Standard Terms and Conditions;
  - (b) the Qualification Criteria are not satisfied in respect to that Production Device;
  - (c) there are one or more generating auxiliaries for that Production Device not fitted with Import Meters; or
  - (d) the Production Registrar is prevented from satisfactorily verifying the application by the applicant or the owner or operator of the relevant Production Device.
- E2.12 On successful completion of the registration process, swissgrid will assign a unique identifier to each registered Production Device, if one has not already been assigned in that EECS Registration Database under another EECS Scheme.
- E2.13 The identifier consists of a number with 18 numeric characters that also identifies the Domain of origin. EAN/GSRN (Global Service Relational Number) coding is used.
- E2.14 The Registrant consents to the publication by swissgrid or its CMO of data provided in the course of its application for registration in relation to each of its Production Device registered on the database on its web page <https://www.guarantee-of-origin.ch> with the exception of:
  - (a) detailed descriptions of plant and equipment;
  - (b) graphical representations of the Production Device and its location, including diagrams and photographs; and
  - (c) details of:
    - (i) the person responsible for the application; and
    - (ii) where the Registrant of the Production Device is not its owner, the Production Device's owner.

### **E3 Changes in Registered Details**

- E3.1 The Registrant of a Production Device must notify swissgrid of any planned changes due to come into effect that will result, or unplanned changes that have resulted, in:
- (a) the information recorded in the EECS Registration Database in relation to the Production Device becoming inaccurate; or
  - (b) the Qualification Criteria for Disclosure ceasing to be satisfied with respect to that Production Device.
- E3.2 On receipt of a change of details notification (following an inspection or otherwise), swissgrid will evaluate the impact of the changes on the Qualifying Criteria and respond to the Registrant within ten (10) working days specifying the decision taken.
- E3.3 Where swissgrid 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 Disclosure-GO Certificates with effect from:
- (a) (in relation to planned changes notified in advance) the date on which such planned changes are due to come into effect; or
  - (b) (in relation to other changes) as soon as reasonably practicable after becoming so aware.

### **E4 Withdrawing from the Scheme - Closing an Account**

- E4.1 The Account Holder must notify swissgrid of an intent to close his account using the form shown in Annex 5. The effective date of closure must not be less than ten (10) working days from the date of receipt by swissgrid.
- E4.2 swissgrid will amend the EECS Registration Database to seal that Account as of the effective date on the request or ten (10) working days from the date of receipt by swissgrid whichever is the later.
- E4.3 Commercial provisions are set in the STC (Standard Terms and Conditions) and the contract between swissgrid and the Account Holder.

### **E5 Withdrawing from the Scheme - Deregistering a Production Device**

- E5.1 The Registrant must notify swissgrid of an intent to deregister his Production Device in writing. The effective date of deregistration must not be less than ten (10) working days from the date of receipt by swissgrid. swissgrid will amend the EECS Registration Database to deregister that Production device as of the effective date on the request or ten (10) working days from the date of receipt by swissgrid whichever is the later.
- E5.2 Commercial provisions are set in the STC (Standard Terms and Conditions) and the contract between swissgrid and the Account Holder.

## F PRODUCTION DATA

### F1 Metering

F1.1 Only Production Devices that are equipped with metering equipment that complies with the relevant regulations for the trading of generation energy shall be registered. The metering equipment may measure on a scalar basis (meter advance only) or on a period basis (energy measured in units of time) according to the regulations.

F1.2 For the avoidance of doubt, it is advised that the Registrant contacts his Production Registrar for information on the relevant regulations in force at the time, based on the legal provisions set in the relevant Swiss legal decrees SR 734.7 (StromVV), SR 730.01 (EnV) and SR730.010.1 (UVEK-VO). SR 730.010.1 is in line with the provisions set in Article 5 of the GO-directive EC/2001/77. The full list of authorised Production registrars is given on the website <https://www.guarantee-of-origin.ch>.

### F2 Data Provision

F2.1 If the Registrant wishes to receive Disclosure-GO Certificates for his Production Device in an issuing period, he must submit a Production Declaration to swissgrid.

- (a) If the Production Device has a single energy source (i.e. excluding biomass and pumped storage hydro), the Registrant must submit a Production Declaration for that Production Device at least once in any twelve [12] month period.
- (b) If the Production Device has multiple energy sources (i.e. including all biomass, CHP, and pumped storage hydro), the Registrant must submit a Production Declaration for that Production Device for every issuing period as defined in G1.2 below.

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

F2.2 The Registrant is responsible for the timely delivery of accurate metering data for his Production Device, although metered energy values must be provided, or verified, by a Measurement Body (see I3 below).

F2.3 Production Declarations are subject to verification by a Production Auditor (see I1 below) on a random and periodic basis.

F2.4 In the event that it transpires that the data in any Scheme Certificate is inaccurate (whether or not through an act or omission of the Registrant of the Originating Production Device):

- (a) swissgrid shall (provided that such EECS Scheme Certificates are, at the time of such Withdrawal, in the Transferables Account of that Registrant) Withdraw those Certificates; and
- (b) the Registrant shall pay swissgrid the cost of securing the agreement of another Account Holder to the Withdrawal of EECS Scheme Certificates of the same type from that other Account Holder's Transferables Account,

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

F2.5 The Registrant must provide metering data for his Production Device for the entire duration of registration of that Production Device (regardless of whether the generation is eligible or certificates are required).

F2.6 A person submitting a Production Declaration (See Annex 4) in accordance with F2.1 above shall be obliged to specify therein:

- (a) the values of  $M^i$  and  $C^i$  for each fuel type 'i'; and
- (b) as the Energy Source Factor for that period, a factor no greater than L,

Where:

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

And

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

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

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

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

## **G PROCESSING OF CERTIFICATES**

### **G1 Issuing for Transfer**

G1.1 Disclosure-GO Certificates are only issued under this Domain Protocol:

- (a) in respect of a Production Device which is, at the time of Issue:
  - (i) situated in Switzerland;
  - (ii) registered in the EECS Registration Database of swissgrid as qualifying for Disclosure-GO Certificates; and
  - (iii) the Registrant of which does not have any outstanding fees payable to swissgrid or its agents in conjunction with any EECS Scheme Certificates;
- (b) in respect of the qualifying energy output of such a Production Device during any period in which it was registered in an EECS Registration Database for the purposes of the Disclosure-GO Scheme; and
- (c) to an Account Holder who does not have any outstanding fees payable to swissgrid or its agents in conjunction with any EECS Scheme Certificates.

G1.2 Subject to G1.1 above Disclosure-GO Certificates are issued on demand of the Registrant against energy data in accordance with F2.2 above and metered during calendar months, if nothing else is agreed between the issuer and the Registrant. The Issuing Frequency shall be the same as the Measurement Frequency.

G1.3 Only persons duly authorised by the Registrant may request the issue of Disclosure-GO Certificates in relation to the output of that Production Device.

G1.4 The CMO will check the Production Declaration against the metered data provided for the Production Device for the period to which the Production Declaration relates. The EECS Registration Database will also be checked to ensure that no more than one (1) Disclosure-GO Certificate is Issued in respect of the same qualifying energy output.

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

G1.6 The CMO will deposit the Certificates in the Transferables Account nominated by the Registrant within the EECS Registration Database no later than thirty (30) working days after the receipt of a valid Production Declaration. The CMO will inform the Account Holder accordingly.

G1.7 The Disclosure-GO Certificate shall be issued in such format as may be determined by AIB from time to time.

G1.8 A Disclosure-GO Certificate identifies the entitlement of the Account Holder of the Transferables Account in which it is held to the attributes of:

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

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

### **G2 Transfer**

G2.1 A Disclosure-GO Account Holder can hold Disclosure-GO Certificates in an account within the EECS Registration Database for Switzerland.

On request the CMO will open an account within ten (10) working days. The account will be uniquely identified by a number and a name.

G2.2 The Account Holder can get secure electronic access to the Account to make transfers of Certificates to another Account in the same EECS Registration Database or to another EECS

- G2.3 Only persons duly authorised by the Account Holder may request the transfer of Disclosure-GO Certificates out of that Account Holder's Transferables Account. Authorised persons must be identified on the account application form (see Annex 5).
- G2.4 Where a Transfer Request is received with respect to one or more Scheme Certificates held in a Transferables Account on its EECS Registration Database, swissgrid will, having confirmed that the Transfer Request is valid:
- (a) remove from that Transferables Account the details of the Disclosure-GO Certificate(s) specified in the Transfer Request;
  - (b) where the Transferee's Transferables Account specified in the Transfer Request is in the same EECS Registration Database:
    - (i) include the full details of the Disclosure-GO Certificate(s) referred to in (a) above in the Transferee's Transferables Account;
    - (ii) confirm, to the Transferor, the identity of the Disclosure-GO Certificates so transferred and any Disclosure-GO Certificate split in connection with such transfer by reference to their unique identifying number(s) and Face Values; and
    - (iii) confirm, to the Transferee, the identity of the Transferor and of the Disclosure-GO Certificates so transferred by reference to their unique identifying number and Face Values; and
  - (c) where the Transferee's Transferables Account specified in the Transfer Request is on a different EECS Registration Database:
    - (i) notify the operator of that other EECS Registration Database of that Transfer Request;
    - (ii) subject to G2.7 below, send the full details of the Disclosure-GO Certificates referred to at (a) above to the operator of that other EECS Registration Database;
    - (iii) record on its own EECS Registration Database, the export of such Disclosure-GO Certificates, and, where appropriate as a result of the operation of G2.7, the cancellation of their status as Scheme Certificates under any EECS Scheme;
    - (iv) on receipt of confirmation from the operator of that other EECS Registration Database that the transfer has been completed, confirm to the Transferor the identity of the operator of that other EECS Registration Database and of the Disclosure-GO Certificates so transferred and of any split in connection with such transfer by reference to their unique identifying numbers and Face Values.
- G2.5 Where swissgrid is notified by another EECS Registration Database operator of a Transfer Request including details of a Disclosure-GO Certificate which are consistent with the Transfer Criteria for Disclosure-GO Certificates together with the account number for a Transferables Account on its own EECS Registration Database, it will:
- (a) insert the full details of that Disclosure-GO Certificate in that Account Holder's Transferables Account;
  - (b) confirm to the EECS Registration Database operator that notified it of such Transfer Request that the transfer of that Disclosure-GO Certificate has been completed; and
  - (c) confirm, to the Transferee, that such Disclosure-GO Certificate has been transferred by reference to its unique identifying number and Face Value.
- G2.6 Where swissgrid is notified by another EECS Registration Database operator of a Transfer Request involving a Scheme Certificate which does not satisfy the Transfer Criteria for such Disclosure-GO Certificates and/or receives an account number which does not correspond with an account number for a Transferables Account on its own EECS Registration Database, swissgrid will use reasonable endeavours to exchange information such that the EECS Scheme Certificate can be rendered compliant with the Disclosure for Switzerland or the correct account number identified (as the case may be), failing which:
- (a) the full details of the Disclosure-GO Certificate shall be re-entered into the Transferor's Transferables Account on the relevant EECS Registration Database and that EECS

Registration Database shall be amended so that the Disclosure-GO Certificate is no longer recorded as having been exported; and

- (b) all details of the Disclosure-GO Certificate shall be removed from the other EECS Registration Database.

G2.7 Where:

- (a) swissgrid receives a Transfer Request in respect of a Disclosure-GO Certificate which is a Scheme Certificate under more than one EECS Scheme; and
- (b) the Transferee's Transferables Account specified in the Transfer Request is on a registry that is not part of Disclosure,

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

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

- (a) A request for transferral of Disclosure-GO Certificates to an account in the same EECS Registration Database will be executed within five (5) working days.
- (b) On a request for transferral of Disclosure-GO Certificates to an account in a different EECS Registration Database, the export message will be sent to the receiving CMO within five (5) working day[s].
- (c) On receiving an export message, the CMO will execute that message within five (5) working days.
- (d) A request for transferral of Disclosure-GO Certificates to an account in a Registration Database that is outside the EECS network will be executed within ten (10) working days.

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

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

### G3 **Redemption**

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

G3.2 Only persons duly authorised by the Account Holder may request the redemption of Disclosure-GO Certificates out of that Account Holder's Transferables Account and into its Redemption Account. The request is given electronically through the web site <https://www.guarantee-of-origin.ch>

G3.3 A redemption request can be made by a person duly authorised by the Account Holder to transfer Disclosure-GO Certificates out of that Account Holder's Transferables Account and into the Redemption Account of a Redeeming Body.

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

- (a) remove the details of Disclosure-GO Certificates from that Transferables Account;
- (b) insert the details of Disclosure-GO Certificates in the Redemption Account of the Redemption Body which made, or is specified, in that request; provide the Account Holder with access to the full details of Disclosure-GO Certificates certifying that it has been Redeemed; and
- (c) provide details of the Redeemed Disclosure-GO Certificates to the Redeeming Body and its auditors where requested to do so.

G3.5 A request for redemption of Disclosure-GO Certificates will be executed within five (5) working day(s).

G3.6 On request from an Account Holder, the CMO will produce a standard format, non-transferable, redemption statement within ten (10) working day(s). The request should include the following details:

- (a) The Disclosure-GO Certificates to be redeemed.
- (b) The recipient of those Certificates, if not the Account Holder.
- (c) Any other information to be included on the statement
- (d) The production/issuing date if not sufficiently identified in (a) above.

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

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

## G4 **Withdrawals**

G4.1 swissgrid may Withdraw Disclosure-GO Certificate held in a Transferables Account on its EECS Registration Database at the request of the Account Holder of that Account, or otherwise in accordance with the provisions of the Disclosure-GO Scheme, thereby cancelling it.

## G5 **Errors**

G5.1 Where an error is introduced (subsequent to its Issue) into, or with respect to, Disclosure-GO Certificates held in the Account Holder's Transferables Account in the EECS Registration Database:

- (a) in the course of its Transfer into that Account; or
- (b) during such time as it is in such Account,

swissgrid will correct the error in or with respect to Disclosure-GO Certificates, provided that such Disclosure-GO Certificates have not been transferred out of that Transferables Account.

G5.2 swissgrid may Withdraw or alter Disclosure-GO Certificates held in its EECS Registration Database to give effect to an agreement reached with the Account Holder under provisions of the Standard Terms and Conditions.

G5.3 swissgrid may alter Disclosure-GO Certificates 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 Disclosure-GO Scheme Participant as a consequence of such error has, to the extent reasonably practicable, been nullified;
- (c) it is reasonably satisfied that the alteration itself does not give rise to undue enrichment of the Account Holder.

# H MONITORING AND REPORTING

## H1 Monitoring

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

## H2 Activity Reporting

- H2.1 In order to maintain an open and orderly market, swissgrid has a duty to publish information in relation to the activities of that market.
- H2.2 Each Production Auditor will report to swissgrid every six (6) months specifying the auditing measures it has carried out in the preceding six months.
- H2.3 swissgrid will publish an activity report no less than once every three months on the number of Disclosure-GO Certificates which, within the preceding three calendar months:
- (a) it has Issued;
  - (b) (where relevant) have been transferred within its EECS Registration Database from Accounts associated with one Domain to Accounts associated with another Domain held on the same EECS Registration Database;
  - (c) have been transferred into its EECS Registration Database from EECS Registration Databases of other EECS Scheme registry operators;
  - (d) have been transferred from its EECS Registration Database to EECS Registration Databases of other EECS Scheme registry operators;
  - (e) it has transferred from Transferables Accounts to Redemption Accounts.
- H2.4 The AIB will publish in respect of each calendar year an annual report within six months of the end of that calendar year on the functioning and efficiency of the market in EECS Scheme Certificates Issued or transferred to accounts in its members EECS Registration Databases.
- H2.5 The annual report referred to H2.4 above shall specify any institutional, structural, and legal impediments to the efficient functioning of the Disclosure-GO Scheme within Switzerland.

## H3 Exception Reporting

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

Terms and Conditions, or determines that a Production Device is in breach of the Qualifying Criteria for an EECS Scheme in relation to which it is registered, swissgrid will:

- (a) take such action as is necessary to secure that Disclosure-GO Certificates are correctly being issued, such action to include, in a case of material non-compliance with this Domain Protocol or the Standard Terms and Conditions by the Registrant, the withdrawal of registration of the relevant Production Device for the purposes of the EECS Scheme; and
- (b) notify the AIB of such breach where swissgrid is of the reasonable opinion that such breach could affect the transfer of EECS Scheme Certificates out of its EECS Registration Database into another EECS Registration Database.

H3.2

Swissgrid will report any failures by the Scheme Participant to comply with the provisions of this Domain Protocol or the Standard Terms and Conditions to the competent authorities in relation to such matters. Such failures shall include behaviour by the Scheme Participant of which swissgrid is aware and which, in its reasonable opinion, amounts to breach of Competition Law, or applicable law governing the conduct of financial markets and will also notify the AIB of any report made by it under H3.1 above providing as much information in relation to such a report as is consistent with any duty of confidentiality it may have to the Scheme Participant.

# I AGENTS AND MEASUREMENT BODIES

## I1 Production Auditor

- I1.1 The role of the Production Auditor is to verify Production Declarations and (where appropriate) Consumption Declarations made by Registrants of Production Devices to the CMO for the purposes of Certificate issuing. This is to ensure the continued fulfilment of the conditions of registration.
- I1.2 The Production Auditor is the Competent Authority according to Swiss Energy Law (EnG, SR 730.0) and the respective decrees (EnV, SR 730.01 and UVEK-VO, SR 730.010.1). The full list of approved Production Auditors is given on the website <https://www.guarantee-of-origin.ch>.
- I1.3 To be a Production Auditor, the company must gain approval from the relevant governmental bodies (Swiss Accreditation Service SAS, <http://www.seco.admin.ch/sas/>)
- I1.4 The Registrant of the Production Device may nominate a Production Auditor from the list on the website <https://www.guarantee-of-origin.ch>. Such a Production Auditor must be independent of the owner or the Registrant of the Production Device.
- I1.5 The Production Auditor will receive information about the issued Disclosure-GO Certificates from swissgrid and the registered information relating to the Production Device for the period being reviewed. The Production Auditor will compare generation capacity with the issued number of Certificates and other relevant data e.g. wind speeds, to identify any potential abnormalities.
- I1.6 The Production Auditor will report any discrepancies from the registered information to swissgrid as soon as possible.
- I1.7 A Production Auditor may also perform the role of Production Registrar.

## I2 Production Registrar

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

## I3 Measurement Body

- I3.1 A Measurement Body is an organisation responsible for the collection of metering data relating to the output of the Production Device.
- I3.2 The full list of Measurement Bodies, approved to provide data for Disclosure in Switzerland is given on the website <https://www.guarantee-of-origin.ch>.

## **J MODIFICATIONS**

### **J1 Modifications to this Domain Protocol**

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

## **K ASSOCIATION OF ISSUING BODIES**

### **K1 Membership**

- K1.1 swissgrid is a member of the Association of Issuing Bodies (AIB) and is bound by the quality standards of that Association for the international transfer of certificates. Continued membership is essential to facilitate international transfers of Disclosure-GO Certificates.
- K1.2 In order to maintain the quality standard across the entire EECS network, all AIB members are subject to audit and periodic peer review.
- K1.3 In the event of swissgrid or one of its agents failing to maintain the quality standard, there may be a suspension of Disclosure-GO Certificate issuing and/or international transfers into or out of Switzerland.
- K1.4 Should swissgrid decide to withdraw from AIB membership in respect of Disclosure in Switzerland, it will give notice in writing to the Scheme Participant in accordance with the Standard Terms and Conditions.

## Annex 1 – Contacts List

### Central Monitoring Office/Certificate Authority

Company	swissgrid ag, Guarantees of Origin
Address	Dammstrasse 3, CH-5070 Frick
Country	Switzerland
Phone number	+41 (0)848 014 014
Fax number	+41 (0)58 580 21 21
Email address	info@swissgrid.ch

A list for the contact details of the authorized

- Production Registrars
- Production Auditors
- Measurement Bodies

can be found on the website <https://www.guarantee-of-origin.ch>.

Since swissgrid updates this information quite often, these lists are principally just available as online versions. In case of technical problems swissgrid has a call center (see contact above) where this information can be provided manually as a hard copy or by email.



## Annex 3 – Energy Source Types and Technology Types

Reference should be made to AIB PRO Fact Sheet 5 on the website [www.aib-net.org](http://www.aib-net.org) for the latest version of these tables.

### Disclosure (Scheme: Disclosure-GO)

Source	Technology	Type	Combustible?	CO <sub>2</sub> <sup>1</sup> (kg/GJ)	Code	
Wind	Wind turbine	Onshore	No	0.0	01	
		Offshore	No	0.0	02	
Solar	Photovoltaic		No	0.0	03	
	Thermal		No	0.0	04	
Energy from water (excluding electricity used for pumping hydro)	Hydro power		No	0.0	05	
	Tidal energy	Onshore	No	0.0	06	
		Offshore	No	0.0	07	
	Wave energy	Onshore	No	0.0	08	
Offshore		No	0.0	09		
Geothermal			No	0.0	10	
Biomass, using gasification and non-gasification technologies <sup>2</sup>	Non-CHP plant	Energy crops	Yes	0.0	11	
		Forestry and agricultural by-products and waste	Yes	0.0	12	
		Biogas	Landfill gas	Yes	0.0	13
			Sewage gas	Yes	0.0	14
			Other	Yes	0.0	15
		Energy from by-products and waste (with varying levels of filtration) <sup>3</sup>	Municipal solid waste	Yes	0.0	16
	Industrial by-products & commercial waste		Yes	0.0	17	
	CHP Plant	Wood fuels <sup>4</sup>	Yes	0.0	30	
		Solid (biodegradable) waste & agricultural biomass <sup>5</sup>	Yes	0.0	31	

<sup>1</sup> This reflects the IPCC statistics where available, and otherwise the Dutch table of standard CO<sub>2</sub> emission factors for energy production

<sup>2</sup> As variously defined in the Renewable Energy, Large Combustion Plants and Waste Combustion Plants Directives; and the Guidelines to the CHP Directive. In general, plant operators are likely to use RES terms for non-CHP plant, and CHP terms for CHP plant; however, this is not mandatory

<sup>3</sup> Note that RES certificates will only be issued for the estimated non-fossil proportion (i.e. excluding plastics) of energy from by-products and waste

<sup>4</sup> Wood fuels: Firewood, wood chips, bark, wood pellets, briquettes, sawdust, shavings, chips, purpose grown crops like willow, industrial wood waste, demolition wood

<sup>5</sup> Agricultural biomass: solid agricultural crops (perennial and annual herbaceous crops), residues and waste (straw, rice husks, nut shells, poultry litter, crushed grape dregs etc)

Source	Technology	Type	Combustible?	CO <sub>2</sub> <sup>1</sup> (kg/GJ)	Code	
		<i>Liquid biodegradable waste (black liquor etc)</i>	Yes	0.0	32	
		<i>Liquid biofuels (Vegetable oils, biodiesel, bio-ethanol, bio-crude-oil etc)</i>	Yes	0.0	33	
		<i>Biogas</i>	Yes	0.0	34	
<b>Fossil</b>	<i>Solid fuel</i>	Hard coal / coke	Anthracite	Yes	98.3	50
			Coking coal	Yes	94.0	51
			Coking coal (used in coke oven)	Yes	95.4	52
			Coking coal (used in blast furnace)	Yes	89.8	53
			Other bituminous coal	Yes	94.7	54
			Sub-bituminous coal	Yes	96.1	55
		BKB and Patent Fuel	Yes	94.6	56	
		Coke Oven / Gas Coke	Yes	111.9	57	
		Oil shale	Yes	106.7	58	
		Lignite / lignite briquettes	Yes	101.2	59	
		Peat / peat briquettes	Yes	106.0	60	
		<i>Gases</i>	Natural gas	Yes	56.1	61
	Carbon monoxide		Yes	155.2	62	
	Methane		Yes	54.9	63	
	Hydrogen		Yes	0.0	64	
	Phosphor gas		Yes	149.5	65	
	Oxy gas		Yes	191.9	66	
	Blast furnace gas		Yes	247.4	67	
	Coke oven gas		Yes	41.2	68	
	<i>Liquid fuel</i>	Oil	Gas/diesel oil	Yes	74.3	70
			Residual fuel oil	Yes	77.4	71
			LPG	Yes	66.7	72
		Other oils	Crude oil	Yes	73.3	73
			Orimulsion	Yes	80.7	74
			Natural gas liquids	Yes	63.1	75
			Gasoline	Yes	72.0	76
			Jet kerosene	Yes	71.5	77
			Other kerosene	Yes	71.9	78
			Shale oil	Yes	73.3	79
Ethane			Yes	61.6	80	
Naphtha			Yes	73.3	81	
Bitumen	Yes	80.7	82			

Source	Technology	Type	Combustible?	CO <sub>2</sub> <sup>1</sup> (kg/GJ)	Code
		Lubricants	Yes	73.3	83
		Petroleum coke	Yes	100.8	84
		Refinery feedstocks	Yes	73.3	85
		Refinery gas	Yes	66.7	86
		Chemical waste gas	Yes	66.7	87
		Other oil	Yes	73.3	88
		Non-renewable proportion of waste	Yes	73.6	89
<b>Nuclear</b>			No	0.0	90
<b>Other</b>			Yes <sup>6</sup>	User specified	95

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<sup>6</sup> Other might include both combustible and non-combustible energy sources, but defaults to “combustible” to provide necessary safeguards

## Annex 4 – Production/Consumption Declaration

### General

This Production Declaration states the proportion of the actual equivalent electricity production that qualifies for Disclosure-GO Certificates within this time period. An approved independent Production Auditor must verify sections II to IV of this Production Declaration.

### I. Owner of Production Device/Generator

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

### II. Production Device

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

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

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

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

			Fuels in stock, at the beginning of the period	Purchased fuels during the period	Fuels in stock, at the end of the period	Consumption during the period	Average Net (lower) Calorific Value	Energy Source Factor
Period start date						$M^i$	$C^i$	$\Gamma^i$
Period end date								
Energy source	Code							
		kg						
		kg						
		kg						
		kg						
<b>Total Biomass</b>		kg						
<b>Total Non Biomass</b>		kg						
<b>Energy Source Factor (in accordance with F2.6)</b>		$L^i = \frac{\sum_j M^i x C^i}{\sum_i M^i x C^i}$						

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

- a. Total electricity generated this period (GWh) \_\_\_\_\_
- b. Total electricity consumed this period (GWh) \_\_\_\_\_
- c. Total potential energy resulting from previous period pumping (GWh) \_\_\_\_\_

d. Overall efficiency of pumping/generating (%) \_\_\_\_\_  
Total natural inflow derived energy (= a - b/d - c) \_\_\_\_\_ GWh

**V. Declaration of CHP Attributes (CHP Devices only)**

- a. Gross electricity production \_\_\_\_\_ MWh
- b. Electricity exported to grid \_\_\_\_\_ MWh
- c. Mechanical energy production \_\_\_\_\_ MWh thermal
- d. Total useful heat production \_\_\_\_\_ GJ
- e. Non-CHP useful heat production \_\_\_\_\_ GJ

**VI. Verification of the Production Declaration**

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

Name.....

On behalf of ..... Production Auditor

**VII. Number of Certificates**

Proportion of eligible MWh for which certificates are being applied is: \_\_\_\_\_% / \_\_\_\_\_MWh (complete as applicable). Note: energy sold under a labelling system may not qualify for Disclosure-GO Certificates. Please check with the issuer or scheme authority.

**VIII. Signature for the Registrant**

Name .....

On behalf of .....

Date .....

## Annex 5 – Account Application/Amendment Form

Application for account opening/amendment in Switzerland for Disclosure-GO Certificates.

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

The applicant/Account Holder requests:

Open new Transferables Account

Open new Redemption Account

Amend authorised personnel on this account to only those shown above

Amend Account Holder contact details

Close account

The applicant agrees to abide by the regulations governing Disclosure including the provisions and requirements the Domain Protocol for Switzerland and the Standard Terms and Conditions of participation.

**Signed** .....

In the position of .....

**Date** .....

## Annex 6 – Redemption Statement

### Guarantee of Origin

in accordance with Art. 1d and 1e of the Federal Ordinance on Energy of 7 December 1998 (SR 730.01) and the DETEC (Department of the Environment, Transport, Energy and Communications) Ordinance regarding the Guarantees of Origin for Electricity of 24 November 2006 (SR 730.010.1).

This document confirms that the designated guarantees of origin have been deleted in the Swiss system for Guarantees of Origin and cannot be re-issued. Onward sale of this Redemption Statement for guarantees of origin to any party other than the beneficiary is prohibited. Any duplication of this Redemption Statement for guarantees of origin or its amendment is prohibited.

### General data

<b>This Redemption Statement for guarantees of origin has been issued (redeemed) on the instructions of (ordering party)</b>	XY AG Sample Street 10 1234 Sample City Switzerland
<b>Account number belonging to the ordering party</b>	32XXY0001Z
<b>Issue date (redemption date)</b>	2007-05-10
<b>Issued (redeemed) by</b>	swissgrid (Switzerland)
<b>Redemption Statement for Guarantees of origin number</b>	322007051000001
<b>Number of guarantees of origin issued (redeemed) under Swiss law</b>	1,154,251
<b>Number of kWh represented</b>	1,154,251
<b>This Redemption Statement for guarantees of origin has been issued (redeemed) in favour of (beneficiary)</b>	Municipality of Sample City Municipal Administration 2345 Sample City Switzerland
<b>Purpose of issue (purpose of redemption)</b>	e.g. proof of supply to consumers

### Information on the production plants

	ID of the production plant	Location	Certificate type	Energy source	Type of funding	Additional quality	Identification details of the production plants
1	764011376000000089	CH	03	05	00	00	see separate sheet

### Issued (redeemed) guarantees of origin

	From certificate ID	To certificate ID	Number of guarantees under Swiss law	Number of kWh represented	Date of issue	Production period
1	764011376032050619650000315160	764011376032050619650000316314	1,154,251	1,154,251	2007-05-10	2006-08

### Identification details and technical data of the production plants

<b>ID of the production plant</b>	764011376000000089
<b>Name</b>	
<b>Location</b>	
<b>Commissioning date</b>	28.09.1965
<b>Date of latest licence issue (for hydroelectricity plants)</b>	13.12.1982
<b>Name of the operator</b>	XYZ AG
<b>Address of the operator</b>	Sample Street 10, 1234 Sample City
<b>Energy source used pursuant to Federal Ordinance on Energy</b>	Hydro power
<b>Installed electrical capacity [kW]</b>	90,000
<b>Run-of-river / storage power station (for hydroelectricity plants)</b>	Run-of-river power station
<b>Pump operation (yes / no) (for storage power stations)</b>	-

## Legend

Certificate type				Code
Guarantee of origin under Swiss law				03
Renewable energy sources under Swiss law	International definitions based on AIB-EECS PRO Fact Sheet 5			AIB-EECS Code
	Energy Source	Technology	Type	
Wind energy	Wind	Wind Turbine	Onshore	01
Solar energy	Solar	Photovoltaic		03
Hydro power	Energy from water	Hydro power		05
Geothermics	Geothermal			10
Biomass	Biomass, using gasification and non-gasification technologies	Energy crops		11
		Forestry and agricultural by-products and waste		12
		Biogas	Sewage gas	14
			Other (Excluding landfill and sewage gas)	15
		Energy from by-products and waste (with varying levels of filtration)	Industrial by-products and commercial waste (non-fossil proportion)	17
Support type / description				Code
No support				00
Investment support				01
Production support (feed-in tariff)				02
Combination of Investment and production support				03
Additional quality (quality mark)				Code
No additional quality				00
naturemade basic (certification of electricity production)				01
naturemade star (certification of electricity production)				02
TÜV EE				03

The accuracy of the above details is confirmed by the competent issuer of guarantees of origin:  
swissgrid ag, Dammstrasse 3, 5070 Frick

Frick, \_\_\_\_\_

Signatures of the issuer

\_\_\_\_\_

\_\_\_\_\_