

## CHAPTER 5: GoO RES-E INCLUDING DOMAINS WITH MULTIPLE CERTIFICATES

### 1 INTRODUCTION

- 1.1 AIB Members employ several ways of handling disclosure and support, they either:
- (a) Do not use certificates for support or disclosure (e.g. this used to be the case in most countries until the implementation of the RES Directive);
  - (b) Use certificates for disclosure only, and do not use certificates for support (e.g. Germany, Austria, Switzerland, Slovenia, Luxemburg, Portugal, Spain, Norway, Finland, Italy, Ireland, France and Denmark - in some of these countries, disclosure certificates are only issued where support has not been received);
  - (c) Use separate certificates for support and disclosure (hereinafter referred to as "Multiple Certificate Domains"), and either:
    - (i) Issue either a support certificate or a disclosure certificate for a single megawatt hour of electricity, but never both (e.g. Sweden and Wallonia under CHAPTER 1: GoO RES-E CERTIFICATES); or
    - (ii) Issue both a support certificate and a disclosure certificate for the same megawatt hour of electricity (e.g. UK, Sweden, Wallonia and Brussels in their national schemes);
  - (d) Issue a single certificate for both disclosure and support purposes, using this certificate either:
    - (i) Sequentially, to provide information for support, and then trading it for disclosure purposes (e.g. Netherlands);
    - (ii) Simultaneously, to meet a quota obligation and for disclosure purposes (e.g. Poland); or
    - (iii) Sequentially, for disclosure purposes, and then trading it to meet a quota obligation (e.g. Flanders)
- 1.2 This "Multiple Certificate Chapter" is established as an EECS Scheme and has been developed for Multiple Certificate Domains that wish to issue EECS GoO RES-E. In principle, all CHAPTER 1: **GoO RES-E CERTIFICATES** Domain Schemes are eligible to become members of this CHAPTER 5:, such that Domains may become members of either or both Schemes, enabling them to transfer GoO RES-E to and from other members with the same Scheme membership(s).
- 1.3 This CHAPTER 5: enables Multiple Certificate Domains to implement (in an EECS-compliant manner) the Renewable Energy Directive, the CHP Directive and the Internal Markets Electricity Directive [2003/54/EC] alongside their certificate-based support schemes in a way which coherently and consistently administers consumer information and support schemes for specific technologies or sources of energy.
- 1.4 In this Chapter, unless the context requires otherwise or there is express provision to the contrary, terms shall have the meanings respectively ascribed to them below:
- | <b>TERM</b>             | <b>DEFINITION</b>  |
|-------------------------|--|
| CHP Directive           | Directive 2004/8/EC of the European Parliament and of the Council;     |
| Consumption Declaration | a declaration with respect to the fuel sources of a Production Device; |

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Disclosure	The process whereby a supplier provides to its customers information about energy that has been supplied to them (see Article 3.6 of the Internal Markets Electricity Directive [2003/54/EC]);
Energy Source Factor	in relation to any Production Device and period of time and single energy source the proportion expressed as a factor of less than one of the Nett Electrical Energy Generation of that Production Device which is from that single energy source, as specified (consistently with the terms of the relevant Domain Scheme) in the Production Declaration for that Production Device with respect to the period over which the electrical energy was generated;
Gross Electrical Energy Generation	As stated in Article 5 and Annex II(a) of the CHP Directive, the total annual gross electrical energy production of a Production Device; as evidenced by measured values collected and determined by an Authorised Body with reference to its Import and Export Meters (adjusted by meter amendments and the outcome of any disputes);
High-Efficiency CHP	CHP which meets the criteria of Annexes II and III of the CHP Directive;
MC Domain Scheme	the Domain Scheme establishing Multiple Certificates in a Domain;
MC Member	a Member which is for the time being a Scheme Member of the Multiple Certificate Scheme;
MC Qualification Criteria	the criteria set out at section 3.1;
MC Scheme	the EECS GoO RES-E Scheme established by this CHAPTER 5:, together with the Domain Schemes in respect of the Domains of Multiple Certificate Members.
Multiple Certificate (MC)	A set of Certificates issued in a MC Domain and relating to the same megawatt hour of energy;
Nett Electrical Energy Generation	the gross electrical energy production of a Production Device as evidenced by measured values collected and determined by an Authorised 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;
Purpose	The original intended use for which a certificate is issued, whether this is Disclosure, Support or both Disclosure and Support.
Support	Public Support as defined in the PRO;

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## 2 APPOINTMENT CRITERIA

- 2.1 The Appointment Criteria in connection with a proposed Domain for a prospective MC Member are that the prospective MC Member is either:
- (a) an Authorised Body for the purpose of issuing Certificates under the relevant National Certification scheme with respect to any Production Device located in the proposed Domain which meets the requirements for the MC Scheme; or
  - (b) (subject only to the consent of the owner and/or operator of the relevant Production Device) entitled to receive the data contained in Certificates issued in electronic form under the relevant national certification scheme
- 2.2 and in each such case (subject only to the consent of the owner and/or operator of the relevant Production Device) is entitled to receive the data comprised in Certificates issued in electronic form for the purposes contemplated by the PRO and entitled:
- (a) to use and permit such data to be used for the purposes contemplated by the PRO; and
  - (b) to grant the license referred to in section M4.1.1 with respect to such data.
- 2.3 The Scheme Members of MC Scheme and their respective MC Domains are set out in the PRO Fact Sheet "MC Members".

## 3 QUALIFICATION CRITERIA

- 3.1 The criteria of each MC Domain Scheme for Production Devices to qualify for registration for the purposes of MC Scheme (the "Qualification Criteria") are that:
- (a) the Production Device is capable of generating RES-E;
  - (b) the metering arrangements for the electrical inputs and outputs of the Production Device (including electrical energy consumed in pumping water for use by that Production Device) satisfy the legislative and administrative requirements applicable in the relevant Domain (including the requirements of the Domain Protocol);
  - (c) the Production Device satisfies any legislative and administrative requirements applicable in the relevant Domain (including the requirements of the Domain Scheme).

## 4 PRODUCTION DEVICE REGISTRATION

- 4.1 The provisions of a MC Domain Scheme with respect to the maintenance of the EECS Registration Database shall be such that the Registrant of a Production Device for the purposes of a MC Scheme shall be obliged to re-apply for registration for the Production Device:
- (a) no less than every five years;
  - (b) on each occasion that it notifies the Scheme Member of changes that have occurred, or are planned, with respect to that Production Device, which as the case may be, have resulted in, or will result in, the information recorded in the EECS Registration Database with respect to that Production Device becoming inaccurate.
- 4.2 A MC Domain Scheme's provisions with respect to the maintenance of the EECS Registration Database shall be such that a Production Device shall cease to be registered for the purposes of MC Scheme where a Registrant fails to re-apply for registration in the circumstances referred to in section E2.3.

## 5 CREATION OF GoO RES-E UNDER THIS SCHEME

- 5.1 The provisions of a MC Domain Scheme are based on derogation from Sections A2.1.1, C8.2.2, C8.3.2 and E3.2.4 relating to the uniqueness of EECS Certificates.
- 5.2 The provisions of a MC Domain Scheme shall be such that EECS Certificate shall be Issued solely in respect of:
- (a) RES-E which has been produced from the energy source for the relevant megawatt hour claimed by the Registrant of the Originating Production Device;
  - (b) a Production Device which has been registered for the purpose of Issuing EECS Certificates under this MC Scheme in the EECS Registration Database for the relevant MC Domain; and
  - (c) electrical energy of which the measured value has been collected and determined by an Authorised Body.
- 5.3 The Purpose of an EECS Certificate in a MC Domain shall be either:
- (a) defined for that EECS Certificate, which has been issued under the relevant National Certification Scheme; or
  - (b) derived from one or more Certificates Issued under the relevant National Certification Scheme.
- 5.4 A MC Scheme Member shall take all reasonable measures to ensure that no Certificate may be converted into a Certificate bearing another Purpose.
- 5.5 Without prejudice to section F6 of the PRO, Members of this MC Scheme may not issue more than one EECS Certificate with the same Purpose in respect of the same energy output.
- 5.6 With regard to High-Efficiency CHP, the provisions of a MC Domain Scheme shall be such that:
- (a) the inclusion of High-Efficiency CHP in a MC Domain must fulfil the criteria set out in section 5 of CHAPTER 4: (CHP-GO CERTIFICATES); and
  - (b) only an amount equal to the Nett Electrical Energy Generation may be issued under a MC Domain Scheme. The remainder (i.e. Gross Electrical Energy

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Generation minus Nett Electrical Energy Generation) may only be issued under CHAPTER 4: (CHP-GO CERTIFICATES).

- 5.7 The provisions of each MC Domain Scheme shall be such that, where the preconditions of that MC Domain Scheme with respect to the Issuing of Certificates have been met, EECS Certificates issued under this Scheme shall be Issued in respect of the quantity of electrical energy generated by the relevant Production Device and period claimed in a Production Declaration and specified (in whole MWh) by the Registrant of the Production Device or by an Account Holder duly authorised on its behalf, in accordance with provisions consistent with sections 5.8 and 5.9.
- 5.8 The provisions of each MC Domain Scheme shall be such that an EECS Certificate Issued under this Scheme shall not be Issued in respect of any electrical energy specified in a Production Declaration where the Scheme Member is not in receipt of measured values of electrical energy production collected and determined by an Authorised Body which, having regard to the relevant Consumption Declaration where relevant, can corroborate the amount so specified.
- 5.9 The provisions of each Domain Scheme shall be such that each EECS Certificate Issued thereunder has a Face Value of:
- (a) 1 MWh;
  - (b) 10 MWh;
  - (c) 100 MWh;
  - (d) 1000 MWh;
  - (e) 10,000 MWh;
  - (f) 100,000 MWh; or
  - (g) 1,000,000 MWh.
- 5.10 The provisions of each Domain Scheme shall be such that:
- (a) where the Production Device only produces electrical energy from a single energy source, the amount of electrical energy determined for the purposes of EECS Certificates Issued under this Scheme as having been produced by a Production Device shall be the amount of Nett Electrical Energy Generation produced by that Production Device;
  - (b) where the Production Device produces electrical energy from more than one energy source, the amount of electrical energy determined for the purposes of EECS Certificates Issued under this Scheme as having been produced by a Production Device from that energy source shall be the amount of Nett Electrical Energy Generation produced by that Production Device multiplied by the Energy Source Factor;
  - (c) a person submitting a Production Declaration in relation to a Production Device for which one of the sources of energy is pumped water shall be obliged to submit (in respect of the same period as that to which the Production Declaration relates) a Consumption Declaration and to specify therein the amount of electrical energy consumed in pumping water for use by that Production Device in that period;
  - (d) a person submitting a Production Declaration in relation to a Production Device for which one of the sources of energy is biomass shall be obliged to submit (in respect of the same period as that to which the Production Declaration relates) a Consumption Declaration and to specify therein:
    - (i) the values of M1, C1, ... Mn and Cn ; and

- (ii) as the Renewable Source Factor for that period, a factor no greater than L,

where:

$$L = \frac{M^{\text{RE}} x C^{\text{RE}}}{(M^{\text{RE}} x C^{\text{RE}}) + (M^{\text{Non-RE}} x C^{\text{Non-RE}})}$$

and

$M^{\text{RE}}$  is the mass of the Renewable Energy Source for that Production Device during the relevant period;

$C^{\text{RE}}$  is the average calorific value of the Renewable Energy Source for that Production Device during the relevant period;

$M^{\text{Non-RE}}$  is the mass of the fuel for that Production Device during the relevant period which is not a Renewable Energy Source; and

$C^{\text{Non-RE}}$  is the calorific value of the fuel for that Production Device during the relevant period which is not a Renewable Energy Source.