

## CHAPTER 4: CHP-GO CERTIFICATES

### 1 INTRODUCTION

- 1.1 CHP-GO is hereby established as an EECS Scheme based on Directive 2004/8/EC of the European Parliament and of the Council of 11 February 2004 on the promotion of Cogeneration based on a Useful Heat demand in the internal energy market and amending Directive 92/42/EEC. In this Chapter, unless the context otherwise requires or there is express provision to the contrary, terms shall have the meanings respectively ascribed to them by the CHP Directive or, where no such definition exists, in the following paragraphs:

TERM	DEFINITION
Certified Data	Data based on type-testing certified by a competent, independent body;
CHP Directive	Directive 2004/8/EC of the European Parliament and of the Council;
CHP-GO	The EECS Scheme established by this CHAPTER 1.; together with the Domain Schemes in respect of the Domains of CHP-GO Members for the purposes of that EECS Scheme, in compliance with the CHP Directive;
CHP-GO Certificate	An EECS Certificate Issued under a CHP-GO Domain Scheme;
CHP-GO Domain Scheme	The Domain Scheme establishing CHP-GO in a Domain;
CHP-GO Member	A Member which is for the time being a Scheme Member of CHP-GO;
CHP-GO Qualification Criteria	The criteria set out at section CHAPTER 13.1;
Consumption Declaration	A declaration with respect to the fuel sources of a Production Device;
Disclosure	The process whereby a supplier proves to its customers the source of the energy that has been supplied to them (see Articles 3.6 of the Internal Markets Electricity Directive [2003/54/EC]);
Electrical Energy Generation	As stated in Article 5 and Annex II(a) of the CHP Directive, the total annual gross electricity 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);

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TERM	DEFINITION
Harmonised Efficiency Reference Values (HERVs)	These values will be as established by the Commission in a committee procedure under Article 14 of the CHP Directive for separate production of electricity and heat, taking into account (e.g.) year of construction and type of fuel, and applied cogeneration technologies. These values will be reviewed periodically;
High-Efficiency CHP	CHP which meets the criteria of Annexes II and III of the CHP Directive;
Primary Energy Savings	Primary energy savings that can be attributed to the use of cogeneration technology, calculated according to Annexes II and III to the CHP Directive;
Production Declaration	a request by a CHP plant operator to a Scheme Member for the Issue of CHP-GO Certificates in respect of a particular Production Device and a specific period of time;
Useful Heat	Heat produced in a CHP process to satisfy an economically justifiable demand for heat or cooling.

## 2 APPOINTMENT CRITERIA

- 2.1 The Appointment Criteria in connection with a proposed Domain for a prospective CHP-GO Member are that the prospective CHP-GO Member is either:
- (a) an Authorised Body for the purpose of issuing national or regional CHP guarantees of origin under the relevant National Certification Scheme with respect to any Production Device located in the proposed Domain which meets the requirements for CHP-GO; 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 CHP guarantees of origin issued in electronic form under the relevant national or regional certification scheme
- 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 CHP-GO issued in electronic form for the purposes contemplated by the PRO and entitled:
- (c) to use and permit such data to be used for the purposes contemplated by the PRO;
  - (d) to grant the license referred to in section M4.1.1 with respect to such data;
- 2.2 The Scheme Members of CHP-GO and their respective Domains are set out in the PRO Fact Sheet "CHP-GO Members".

## 3 CHP-GO QUALIFICATION CRITERIA

- 3.1 The criteria of each CHP-GO Domain Scheme for Production Devices to qualify for registration for the purposes of CHP-GO (the "CHP-GO Qualification Criteria") are that:
- (a) the Production Device conforms with the definition of a CHP unit in Article 3(l) of the Directive and is in accordance with the guidelines established by Annex II(e) of the Directive.
  - (b) the Production Device is capable of generating CHP;
  - (c) 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);
  - (d) 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 A CHP-GO Domain Scheme's provisions with respect to the maintenance of the EECS Registration Database shall be such that the Registrant of a Production Device for the purposes of CHP-GO shall be obliged to re-apply for registration for the Production Device 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 CHP-GO 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 CHP-GO where a Registrant fails to re-apply for registration in the circumstances referred to in section E2.3.

## 5 CHP-GO CERTIFICATES

- 5.1 The provisions of a CHP-GO Domain Scheme shall be such that CHP-GO Certificates may be used for purposes of disclosure according to the provisions of CHAPTER 3: DISCLOSURE CERTIFICATES of the PRO.
- 5.2 The provisions of a CHP-GO Domain Scheme shall be such that CHP-GO Certificates shall only be Issued:
- (a) For electricity which has been found to be High-Efficiency CHP electricity; and
  - (b) To Production Devices which have been registered for the purposes of CHP-GO in the EECS Registration Database for the relevant Domain; and
  - (c) For High-Efficiency CHP of which the measured value has been collected and determined by an Authorised Body; and
  - (d) For any Electrical Energy Generation using fuels burned directly by the Production Device.
- 5.3 The provisions of a CHP-GO Domain Scheme may be such that each CHP-GO Issued thereunder shall indicate:
- (a) that the Domain Scheme under which the CHP-GO Certificate was Issued requires the Registrant of the Originating Production Device to notify the Scheme Member of any Public Support with respect to the Originating Production Device;
  - (b) in the manner specified in section E3.1.1(k), whether, and if so what type of, Public Support has been received in respect of the Originating Production Device.
- 5.4 The provisions of each CHP-GO Domain Scheme shall be such that, where the preconditions of that Domain Scheme with respect to the Issue of CHP-GO Certificates have been met, CHP-GO Certificates shall be Issued in respect of the quantity of High-Efficiency CHP with respect to the relevant Production Device and period claimed in a Production Declaration and specified (in whole MWh) by the Registrant of the Production Device or a Account Holder duly authorised on its behalf, in accordance with provisions consistent with CHAPTER 1: sections 5.5 and 5.6.
- 5.5 The provisions of each CHP-GO Domain Scheme shall be such that CHP-GO Certificates shall not be Issued in respect of any High-Efficiency CHP specified in a Production Declaration where the Scheme Member is not in receipt of measured values of electricity production collected and determined by an Authorised Body which, having regard to the relevant Consumption Declaration where relevant, corroborate the amount so specified.
- 5.6 The provisions of each CHP-GO 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;

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- (f) 100,000 MWh; or
- (g) 1,000,000 MWh.
- 5.7 The provisions of each CHP-GO Domain Scheme shall be such that:
- (a) where the Production Device only produces High-Efficiency CHP, the amount of High-Efficiency CHP determined for the purposes of CHP-GO as having been produced by a Production Device shall be the amount of Electrical Energy Generation produced by that Production Device from fuels burned at the same site; and
- (b) where the Production Device produces High-Efficiency CHP and electricity which is not High-Efficiency CHP, the amount of High-Efficiency CHP determined for the purposes of CHP-GO as having been produced by a Production Device shall be calculated in accordance with Annexes II and III of the CHP Directive taking into account only energy produced from energy sources at the same site.
- 5.8 In addition to the information contained on an EECS certificate as identified in Section E3.1, each CHP-GO Domain Scheme must provide that a CHP-GO Certificate Issued thereunder shall contain the following information where the format of this information is in accordance with the Subsidiary Document "EECS Registration Databases:
- (a) Use of heat, being the value identified in the PRO Fact Sheet "CHP Codes" under "Use of Heat" which represents the predominant use of the relevant heat;
- (b) Lower calorific value in megajoules per kilogramme of fuel;
- (c) Primary Energy Savings, including:
- (i) the primary energy saved expressed as a percentage according to Annex III of the Directive; and
- (ii) the actual amount of primary energy saved expressed in megajoules per MWh; and
- (d) Information relating to CO<sub>2</sub> emissions, comprising:
- (i) the CO<sub>2</sub> emissions produced per unit of CHP electricity in kilograms per MWh, calculated by subtracting the fuel for CHP heat based on Harmonised Efficiency Reference Values for separate production of heat from the total CHP fuel; and
- (ii) absolute CO<sub>2</sub> emissions saved per MWh compared with the best available and economically justifiable technology for separate production of heat and electricity using the same fuels; and which was on the market in the year of construction of the CHP unit, as defined in Annex III(f) and in particular Annex III(f)(2) of the CHP Directive.
- 5.9 Unless legislation directs otherwise, no Member shall make available any individual Account Holder information relating to the absolute CO<sub>2</sub> emissions saved per MWh as referred to in 5.8(d)(ii).