



Change request: **EECS-CR1902 Energy carrier conversion rules**  
 Raised by: WGIA  
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 Status: Approved by the Reykjavik General Meeting on 27 September 2019  
 Priority: High

## Overview

Energy can be transferred between different energy carrying media, such as electricity, gas and heat; schemes for each energy media being addressed individually in part IV of the EECS Rules. When energy is transferred from one energy carrier to another, EECS Certificates relating to the initial energy carrier must be cancelled, and EECS Certificates relating to the new energy carrier must be created – this is called “EECS Certificate Conversion”. This follows naturally from the core principle of avoidance of double counting.

This change request aims to facilitate a reliable framework for claims of attributes after conversion of energy carrier. It requires conversion of physical energy to be accompanied by conversion to the EECS Scheme corresponding to the new energy carrier.

This change request also deals with the data to be registered on the certificate that is issued after conversion between energy carriers.

## Adopted change to the EECS Rules

### 1) General Energy Carrier Conversion Rules

#### Definitions

<b>EECS Certificate Conversion:</b>	<b>the issuance of an EECS Certificate corresponding to Energy Carrier Conversion, and for which EECS Certificates representing Input to that Production Device have been Cancelled;</b>
<b>Energy Carrier Conversion</b>	<b>the transfer of energy carried by one type of energy carrier to another type of energy carrier;</b>
<b>AIB Communications Hub (Hub)</b>	<b>a commercial website operated on behalf of AIB whose address is <a href="https://www.aibhub.org">https://www.aibhub.org</a>, which provides coordination and synchronisation services, distributing messages and acknowledgements between the registries of Hub Users. The Hub is defined in detail in Subsidiary Document “HubCom EECS Registration Databases”, otherwise known as “HubCom”;</b>
<b>Input:</b>	<b>an amount of a specific <del>type</del> source of energy or material goods as listed in the Fact Sheet “Types of Energy Inputs and Technologies” consumed by a Production Device <del>using combustion technology</del> in the production of Output;</b>

**C3.2.2** Where Output is produced from Input carried by another energy carrier, the produced Output shall be eligible for Issuing EECS Certificates from the energy source as identified in Section C3.5.4 (f), provided

- (a) The Input consists of this energy source, and no other proof certifying the same Output for the same Purpose has been issued for this input, in line with Section A2.1.1, or
- (b) EECS Certificates of the energy carrier identified in Section C3.5.4 (a), containing this specific energy source as identified in Section C3.5.4 (f), are cancelled corresponding to the energy carrier and quantity of Input. The Qualifying Output for the Issuance of EECS Certificates shall be determined in accordance with Section C3.2.1.

**C3.2.3** An EECS Certificate shall only be issued for the production of a corresponding quantity of physical Output of the same energy carrier as that identified on that EECS Certificate.

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- 2) Data registered on the EECS certificate after EECS Certificate conversion

### **C3.5 Issuing Process**

**C3.5.4** Each EECS Certificate shall contain the following information:

- (a) the EECS Product under which it has been Issued, so identifying the ~~medium~~ carrier by which energy is conveyed, where this may be:
  - (i) electricity; or
  - (ii) fuel, whether gaseous, liquid or solid; or
  - (iii) heat (including cooling), whether this is conveyed by gas, or by liquid, or by heat transfer by conduction or radiation;
- (b) the unique number assigned to it by the Originating Member in accordance with the Subsidiary Document "HubCom";
- (c) the date on which the Originating Production Device became operational (as determined in accordance with relevant national legislation), as verified by the Production Auditor during the registration process for that Production Device;
- (d) the first day on which the Output to which it relates was produced;
- (e) the last day on which the Output to which it relates was produced;
- (f) the energy source from which the Output was produced (by reference to the types of energy sources set out in the EECS Rules Fact Sheet "Types of Energy Inputs and Technologies";
- (g) the type of the Originating Production Device, by reference to the types of installation set out in the EECS Rules Fact Sheet "Types of Energy Inputs and Technologies";
- (h) the identity of the Originating Production Device, where this shall include:
  - (i) the unique number which has been assigned to the Production Device according to Section C2.1.2(b); and



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- (ii) optionally, the name of the Production Device as specified in the application for registration of that Production Device, provided that the Registrant of the Production Device has agreed to this information being recorded on EECS Certificates which are issued for this Production Device;
  - (i) the Country of Issue;
  - (j) the location of the Originating Production Device, being its:
    - (i) latitude and longitude in accordance with the EECS Rules Fact Sheet “Geographical Coordinates”; and/or
    - (ii) country, city and postal code;
  - (k) the Capacity of the Originating Production Device, as specified by the Section of PART IV of the EECS Rules establishing the EECS Scheme in relation to the relevant Output;
  - (l) its Face Value in accordance with the Section of PART IV of the EECS Rules establishing the EECS Scheme in respect of the relevant Output;
  - (m) the identity of the Originating Member;
  - (n) the Date of Issue;
  - (o) the status of the EECS Certificate, by reference to whether the Certificate is a Guarantee of Origin, a Support Certificate or a NGC; and
    - (i) where the Certificate is a Guarantee of Origin, whether it is a Guarantee of Origin in relation to the energy source for the Output to which it relates and/or the technology type used in producing such Output;
    - (ii) where the Certificate is a Support Certificate, the type of Support Certificate which it is;
    - (iii) where the Certificate is a Support Certificate and/or a Guarantee of Origin, the Competent Authority (or Competent Authorities where appropriate);
  - (p) the Purpose for which the EECS Certificate has been issued, being:
    - (i) Disclosure; and/or
    - (ii) Support;
  - (q) an indication, as appropriate, as to whether:
    - (i) the relevant EECS Registration Database records that no Public Support has been, is being or will be given in respect of the Originating Production Device;
    - (ii) the relevant EECS Registration Database records that Public Support has been given in relation to an investment in the Originating Production Device or its owner;
    - (iii) the relevant EECS Registration Database records that Public Support is being or will be given with respect to the Output of that Originating Production Device;
    - (iv) the relevant EECS Registration Database records that both:

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- 1 Public Support has been given to an investor in the Originating Production Device in relation to its investment therein or in the body which owns that Production Device; and
  - 2 Public Support is being, or will be, given in respect of the Output of that Originating Production Device; or
- (v) the relevant EECS Registration Database does not record whether or not Public Support has been, or is being, given in respect of the Originating Production Device;
- (r) such other information as is specified by the Section of PART IV of the EECS Rules establishing the EECS Scheme in relation to the relevant Output as being required to be provided in respect of the energy source and type of Originating Production Device to which the Certificate relates;
- (s) where the Certificate has been issued in respect of a Production Device which is accredited to an ICS and the Scheme member is supporting that ICS, the relevant ICS identifier.
- C3.5.5 Each EECS Certificate and the information contained in it, or to be indicated by it, shall be in the format specified in the Subsidiary Document “HubCom”.
- C3.6 Data registration related to EECS Certificate Conversion**
- C3.5.6 The following shall apply regarding the information held on EECS Certificates Issued as the result of EECS Certificate Conversion:**
- (a) **The carrier by which energy is conveyed shall be identified in accordance with Section C3.5.4 (a) and shall relate to the energy carrier of the Output resulting from the corresponding Energy Carrier Conversion;**
  - (b) **A new unique number shall be assigned in accordance with Section C3.5.4 (b).**
  - (c) **The date on which the originating Production Device became operational shall be identified in accordance with Section C3.5.4 (c) and shall be the commissioning date of the Production Device that produced the Output resulting from the corresponding Energy Carrier Conversion;**
  - (d) **The first day on which the Output was produced shall be identified in accordance with Section C3.5.4 (d) and shall be the first day of the production period of the Output resulting from the corresponding Energy Carrier Conversion;**
  - (e) **The last day on which the Output was produced shall be identified in accordance with Section C3.5.4 (e) and shall be the last day of the production period of the Output resulting from the corresponding Energy Carrier Conversion;**
  - (f) **The energy source from which the Output was produced shall be identified in accordance with Section C3.5.4 (f) and shall be the energy source identified on the Cancelled EECS Certificate relating to the Input to the corresponding EECS Certificate Conversion;**
  - (g) **The type and identity, location and capacity of the Originating Production device shall be identified in accordance with Sections C3.5.4 (g), (h), (j) and (k) and shall be the type and identity of the Production Device that produced the Output from the Energy Carrier Conversion;**
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- (h) The Country of Issue and Date of Issue shall be identified in accordance with Sections C3.5.4 (i) and (n) and shall be the Country of Issue and Date of Issue of the EECS Certificate resulting to the corresponding EECS Certificate Conversion;
- (i) The identity of the Originating Member shall be identified in accordance with Section C3.5.4 (j) and shall be the Originating Member that Issued the EECS Certificate resulting from the EECS Certificate Conversion;
- (j) The status and Purpose of the EECS Certificate shall be identified in accordance with Section C3.5.4 (o) and (p) and shall be the status and Purpose as identified on the Cancelled EECS Certificate for the Input to the EECS Certificate Conversion.
- (k) The indication of the receipt and type of Public Support which has or has not been given in respect of the Originating Production Device associated with both the Input to and the Output from the EECS Certificate Conversion shall be identified in accordance with Section C3.5.4 (q);
- (l) The ICS identifier identified in accordance with Section C3.5.4 (s) on the Cancelled EECS Certificate may only be recorded on the new EECS Certificate if the corresponding ICS provider or providers supports this in relation to both the Energy Carrier Conversion and the EECS Certificate Conversion.

**C3.5.7** A Member Issuing an EECS Certificate for Output from an EECS Certificate Conversion may at its discretion transfer non-mandatory data from the EECS Certificate for Input to the EECS Certificate for Output.

**C3.5.8** EECS Certificate Conversion may only take place if all data items which are mandatory on the EECS Certificate for Output from EECS Certificate Conversion according to Subsidiary Document "HubCom" are present on the EECS Certificate for Input to EECS Certificate Conversion, or if there is an alternative and reliable source of such data.

## **C7.2 Cancellation Request**

**C7.2.1** A Cancellation Request is a request for the Cancellation of a number of EECS Certificates made by the duly authorised personnel of an Account Holder and containing the following information:

- (a) The Account Holder requesting Cancellation of the EECS Certificates;
- (b) The relevant Production Device identity(s) or category(ies);
- (c) The relevant number of EECS Certificates associated with each Production Device or category listed in Section (b) above to be Cancelled;
- (d) The relevant production period(s);
- (e) The usage into which this Cancellation falls, where this may be one of:
  - (i) Support, where the certificate is being Cancelled in order to receive financial support;
  - (ii) Disclosure, where the certificate is being Cancelled under a labelling scheme or as proof of supply to consumers or for own use, and has not been used in order to receive financial support; or
  - (iii) **EECS Certificate Conversion, where the EECS certificate representing Input to a Production device is being Cancelled in relation with the issuance of an EECS Certificate corresponding to Energy Carrier Conversion**

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(iv) Other, for any other purpose.

The possible usages for Cancellation under each EECS Scheme are set out in the Section of PART IV of the EECS Rules establishing that EECS Scheme;

- (f) Information about the beneficiary or beneficiaries of the Cancellation, being:
- (i) The type of beneficiary, being either “*energy supplier*” or “*end-consumer*”;
  - (ii) Where the beneficiary is an energy supplier, the identity of the energy supplier or where the beneficiary is an end consumer, the identity of the end-consumer or end-consumer group;
  - (iii) The country (and, if known, the location within that country) where the electricity associated with the Cancellation is consumed;
  - (iv) Where relevant, the brand name of the product associated with this Cancellation; and
- (g) The period during which the associated energy has been or will be consumed.
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