



## Technical Decision

# Procedures of registration in the HETS Operator Registry

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## Table of contents

|          |  |           |
|----------|--|-----------|
| <b>1</b> | <b>Introduction</b> .....  | <b>4</b>  |
| <b>2</b> | <b>HETS Operator Registry</b> .....  | <b>5</b>  |
| 2.1      | Balancing Service Providers Registry.....  | 5         |
| 2.2      | Balance Responsible Parties Registry.....  | 6         |
| 2.3      | Balancing Market Generating Units Registry .....   | 8         |
| 2.4      | Dispatchable Load Portfolio Registry.....  | 9         |
| 2.5      | Dispatchable RES Units Portfolios Registry.....  | 9         |
| <b>3</b> | <b>Procedure of registration in the HETS Operator Registry</b> .....   | <b>11</b> |
| 3.1      | Initial Registration in the HETS Operator Registry.....  | 11        |
| 3.1.1    | Submission of Part A of the Registration Application .....   | 12        |
| 3.1.2    | Submission of Part B of the Registration Application .....   | 14        |
| 3.1.2.1  | Submission of Part B of the Registration Application for the preregistration in the Balancing Market Generating Units Registry.....        | 14        |
| 3.1.2.2  | Submission of Part B of the Final Registration Application for the preregistration in the Balancing Market Generating Units Registry ..... | 15        |
| 3.1.3    | Submission of Part C of the Registration Application .....   | 16        |
| 3.1.3.1  | Submission of Part C of the Registration Application for the preregistration in the Dispatchable Load Portfolio Registry .....             | 16        |
| 3.1.3.2  | Submission of Part C of the Registration Application for the final registration in the Dispatchable Load Portfolio Registry.....           | 16        |
| 3.1.4    | Submission of Part D of the Registration Application .....   | 17        |
| 3.1.4.1  | Submission of Part D of the Registration Application for the preregistration in the Dispatchable RES Units Portfolios Registry .....       | 17        |
| 3.1.4.2  | Submission of Part D of the Registration Application for the final registration in the Dispatchable RES Units Portfolios Registry.....     | 18        |
| 3.2      | Registration of new Balancing Services Entities .....  | 18        |
| <b>4</b> | <b>Approval or rejection of the registration</b> .....   | <b>20</b> |
| <b>5</b> | <b>Publication of the HETS Operator Registry</b> .....   | <b>21</b> |
| <b>6</b> | <b>Amendment to the Registry</b> .....   | <b>22</b> |
| <b>7</b> | <b>Deletion from the HETS Operator Registry</b> .....  | <b>23</b> |
| <b>8</b> | <b>Transitional Provisions for the HETS Operator Registry at the start of the operation of the Balancing Market</b> .....                  | <b>24</b> |
| <b>9</b> | <b>Annex</b> .....   | <b>26</b> |
| 9.1      | Application Template - Part A.....   | 26        |
| 9.2      | Application Template - Part B.....   | 28        |
| 9.3      | Application Template - Part C.....   | 29        |
| 9.4      | Application Template - Part D.....   | 30        |

|     |  |    |
|-----|--|----|
| 9.5 | Solemn Declaration Template .....      | 31 |
| 9.6 | Registered Characteristics Table ..... | 32 |

## 1 Introduction

1. This Technical Decision shall be issued in accordance with Article 2(7) and Article 4(3) of the Balancing Market Regulation and shall describe the procedures of registration in the HETS Operator Registry.
2. This Technical Decision shall be issued following a public consultation and shall be posted on the website of the HETS Operator.
3. In the event of any conflict between the provisions of this Technical Decision and the provisions of the Balancing Market Regulation, the provisions of the Balancing Market Regulation shall prevail.
4. This Technical Decision shall be amended by decision of the HETS Operator, either on its own initiative or at the request of RAE or third parties having a legitimate interest, in accordance with the provisions of Article 2(7) and (8) of the Balancing Market Regulation.
5. This Technical Decision shall form an integral part of the Balancing Market Regulation and shall be interpreted and implemented along with the contents of the Regulation.
6. The definitions in Article 3 of the Balancing Market Regulation shall also apply for this Technical Decision, unless otherwise expressly provided for.

## 2 HETS Operator Registry

1. The HETS Operator shall keep the HETS Operator Registry which consists of the following individual Registries:
  - a) the Balancing Service Providers Registry, in accordance with Article 5 of the Balancing Market Regulation;
  - b) the Balance Responsible Parties Registry, in accordance with Article 5 of the Balancing Market Regulation;
  - c) the Balancing Market Generating Units Registry, in accordance with Article 11 of the Balancing Market Regulation;
  - d) the Dispatchable Load Portfolios Registry, according to Article 12 of the Balancing Market Regulation; and
  - e) the Dispatchable RES Units Portfolios Registry according to Article 13 of the Balancing Market Regulation.
2. Once registered in the HETS Operator Registry, the interested parties shall unconditionally accept the provisions of the Balancing Market Regulation and of the HETS Operation Code and the relevant methodologies, parameters and other special approvals, technical decisions and manuals, as they may be amended and applied and must comply with their content.
3. In order to register in the HETS Operator Registry, the interested parties shall submit the Application Registration in accordance with the procedure laid down in Article 8 of the Balancing Market Regulation and in Article 3 of this Technical Decision.
4. The HETS Operator shall not be held responsible for the completeness, correctness and veracity of the details of the HETS Operator Registry provided by the Participants. The Participants shall be exclusively responsible for all the above.

### 2.1 Balancing Service Providers Registry

1. Where they are able to provide Balancing Services, natural or legal persons with one or more of the following attributes shall be registered in the Balancing Service Providers Registry:
  - a) Producer, holder of a Production License or a relevant exemption from the obligation of a Production License issuance, provided that he/she owns a power generation unit with a valid production license which is located in the mainland or in the islands interconnected to it, and has an installed capacity of more than 5MW;
  - b) Renewable Energy Sources (RES) Producer, holder of a RES Production License or RES Production Certificate or a relevant exemption from the obligation of a Production License issuance, for RES units with Market Participation Obligation, provided that he/she owns a RES Unit and that he/she is not represented by a RES Aggregator;
  - c) Autoproducer;

- d) RES Aggregator, holder of RES Aggregator License, for RES units with Market Participation Obligation;
- e) Demand Response Aggregator, holder of a relevant license; as well as
- f) Consumer, including Self-Supplied Customers, providing demand response services, provided that they are not represented by a Demand Response Aggregator.

For Producers of case a), the registration in the Balancing Service Provider Registry shall be mandatory.

2. The Balancing Service Provider Registry shall include the following details:
  - a) the name or trade name of the Balancing Services Provider;
  - b) the registered headquarters of the Balancing Services Provider;
  - c) the Tax Identification Number (TIN) and the Tax Office of the Balancing Services Provider;
  - d) the GEMI Number of the Balancing Services Provider;
  - e) the legal representative of the Balancing Services Provider;
  - f) the contact person of the Balancing Services Provider;
  - g) the contact details (telephone, email, etc.) of the Balancing Services Provider;
  - h) the attribute/attributes of the Balancing Services Provider; and
  - i) the EIC Code of the Balancing Services Provider.
3. For the registration in the Balancing Service Providers Registry, the terms and conditions described in the “Terms and Conditions of Balancing Service Providers” must be met, as approved by decision of RAE, by means of Article 18 (4) of Law 4425/2016.
4. Upon their registration in the Balancing Service Providers Registry, the natural or legal persons of paragraph 1 of this Article (Balancing Services Providers) shall conclude a Balancing Service Agreement with the HETS Operator, the content of which shall be identical to the Balancing Market Regulation. The Balancing Service Contract shall be deemed to have been concluded between the parties upon the registration in the Balancing Service Providers Registry and shall be not subject to any other formality.

## 2.2 Balance Responsible Parties Registry

1. Natural or legal persons, in one or more of the following attributes, shall mandatorily be registered in the Balance Responsible Parties Registry:
  - a) Producer, holder of a Production License or a relevant exemption from the obligation of a Production License issuance, provided that he/she owns a power generation unit with a valid production license which is located in the mainland or in the islands interconnected to it, and has an installed capacity of more than 5MW;

- b) RES Producer, holder of a RES Production License or RES Production Certificate or a relevant exemption from the obligation of a Production License issuance, for RES units with Market Participation Obligation, provided that he/she owns a RES Unit and that he/she is not represented by a RES Aggregator;
  - c) Autoproducer;
  - d) RES Aggregator, holder of RES Aggregator License, for RES units with Market Participation Obligation, including RES Last Resort Aggregator,
  - e) Demand Response Aggregator, holder of a relevant license,
  - f) Consumer, including Self-Supplied Customers, providing demand response services, provided that they are not represented by a Demand Response Aggregator,
  - g) Supplier, holder of a Supply License, including Last Resort Providers and Universal Service Providers,
  - h) Self-supplied customer,
  - i) Trader, holder of a Trading License, and
  - j) DAPEEP, which is the Operator of the RES Units Portfolio without Market Participation Obligation.
2. The Balance Responsible Parties Registry shall include the following details:
- a) the name or trade name of the Balance Responsible Party;
  - b) the registered headquarters of the Balance Responsible Party;
  - c) the VAT Reg. No. and the Tax Office of the Balance Responsible Party;
  - d) the GEMI Number of the Balance Responsible Party;
  - e) the legal representative of the Balance Responsible Party;
  - f) the contact person of the Balance Responsible Party;
  - g) the contact details (telephone, email etc.) of the Balance Responsible Party;
  - h) the attribute/attributes of the Balance Responsible Party; and
  - i) the EIC Code of the Balance Responsible Party.
3. For the registration in the Balance Responsible Parties Registry, the terms and conditions described in the "Terms and Conditions of Balance Responsible Parties" must be met, as approved by decision of RAE, by means of Article 18 (4) of Law 4425/2016.
4. Upon their registration in the Balance Responsible Parties Registry, the natural or legal persons of paragraph 1 herein (Balance Responsible Parties) shall conclude a Balance Responsible Parties Contract with the HETS Operator, the content of which shall be identical to the Balancing Market Regulation. The Balance Responsible Party Contract shall be deemed to have been concluded between the Parties upon the registration in the Balance Responsible Parties Registry and shall not be subject to any other formality.

### 2.3 Balancing Market Generating Units Registry

1. The Balancing Market Generating Units Registry shall include the Dispatchable Generating Units provided that they have successfully completed the relevant pre-qualification tests described in the “Balancing Service Provider Terms and Conditions”.
2. The Balancing Market Generating Units Registry shall include the following:
  - i. the name of the Dispatchable Generating Unit;
  - ii. the Operator of the Dispatchable Generating Unit;
  - iii. the contact details of the Dispatchable Generating Unit Operator;
  - iv. the production license number of the Dispatchable Generating Unit;
  - v. the operation license number of the Dispatchable Generating Unit; and
  - vi. the Registered Operating Characteristics of the Dispatchable Generating Unit as described in the Annex “Registered Characteristics” of the HETS Operation Code, as finalized based on the results of the pre-qualification tests described in the “Terms and Conditions of Balancing Service Providers”.
3. In order a power generation unit with a valid production license, which is located in the mainland or on the islands interconnected to it, and which has an installed capacity of more than 5MW, to be subject to Commissioning or to perform pre-qualification testing, preregistration in the Balancing Market Generating Units Registry shall be required. For preregistered power generation units, the Registry shall include the following details:
  - i. the name of the generating unit;
  - ii. the generating unit Operator;
  - iii. the contact details of the generating unit Operator;
  - iv. the production license number of the generating unit; and
  - v. the available Registered Operating Characteristics of the generating unit as described in the Annex entitled “Registered Characteristics” of the HETS Operation Code. Such details are not final and are subject to adjustment based on the result of the pre-qualification tests described in the “Terms and Conditions of Balancing Service Providers”.

Preregistration in the Balancing Market Generating Units Registry in accordance with this paragraph shall be a prerequisite for the generating unit to enter into Commissioning operation and pre-qualification testing.

Once the Commissioning, the pre-qualification tests and the issue of the operation license are completed, the preregistered generating units shall be definitely registered in the Balancing Market Generating Units Registry as Dispatchable Generating Units. During the final registration of the Dispatchable Generating Unit, the Registered Characteristics of the Unit shall be finalised according to the results of the pre-qualification tests.



## 2.4 Dispatchable Load Portfolio Registry

1. The Dispatchable Load Portfolio Registry shall include Dispatchable Load Portfolios that have successfully completed the relevant pre-qualification tests described in the "Terms and Conditions of Balancing Service Providers".
2. The Dispatchable Load Portfolio Registry shall include the following:
  - i. the name of Dispatchable Load Portfolio;
  - ii. the Operator of the Dispatchable Load Portfolio;
  - iii. the contact details of the Operator of the Dispatchable Load Portfolio Registry; and
  - iv. the Registered Operating Characteristics of the Dispatchable Load Portfolio as described in the Annex "Registered Characteristics" of the HETS Operation Code, as finalized based on the results of the pre-qualification tests described in the "Terms and Conditions of Balancing Service Providers".
3. In order a demand response portfolio to be subject to Commissioning or pre-qualification testing, preregistration in the Dispatchable Load Portfolio Registry shall be required. For the preregistered demand response portfolio, the Register shall include the following details:
  - vi. the name of the demand response portfolio;
  - vii. the Operator of the demand response portfolio;
  - viii. the contact details of the Operator of the demand response portfolio; and
  - ix. the available Registered Operating Characteristics of the demand response portfolio as described in the Annex entitled "Registered Characteristics" of the HETS Operation Code. Such details are not final and are subject to adjustment based on the result of the pre-qualification tests described in the "Terms and Conditions of Balancing Service Providers".

Preregistration in the Dispatchable Load Portfolio Registry in accordance with this paragraph shall be a prerequisite for the demand response portfolio to enter into Commissioning operation and pre-qualification testing.

Once the Commissioning and the pre-qualification tests are completed, the preregistered demand response portfolios shall be definitely registered in the Dispatchable Load Portfolio Registry as Dispatchable Load Portfolios. During the final registration of the Dispatchable Load Portfolio, the Registered Characteristics shall be finalised according to the results of the pre-qualification tests.

## 2.5 Dispatchable RES Units Portfolios Registry

1. The Dispatchable RES Units Portfolios Registry shall include Dispatchable RES Units Portfolios that have successfully completed the relevant pre-qualification tests described in the "Terms and Conditions of Balancing Service Providers".
2. Dispatchable RES Units Portfolios Registry shall include the following:
  - i. the name of the Dispatchable RES Units Portfolio;
  - ii. the Operator of the Dispatchable RES Units Portfolio;

- iii. the contact details of the Operator of the Dispatchable RES Units Portfolio; and
  - iv. the Registered Operating Characteristics of the Dispatchable RES Units Portfolio as described in the Annex “Registered Characteristics” of the HETS Operation Code, as finalized based on the results of the pre-qualification tests described in the “Terms and Conditions of Balancing Service Providers”.
4. In order a RES Units portfolio to be subject to Commissioning or pre-qualification testing, preregistration in the Dispatchable RES Units Portfolios Registry shall be required. For a preregistered RES Units portfolio, the Register shall include the following details:
- x. the name of the RES Units Portfolio;
  - xi. the Operator of the RES Units Portfolio;
  - xii. the contact details of the Operator of the RES Units Portfolio; and
  - xiii. the available Registered Operating Characteristics of the RES Units as described in the Annex entitled “Registered Characteristics” of the HETS Operation Code. Such details are not final and are subject to adjustment based on the result of the pre-qualification tests described in the “Terms and Conditions of Balancing Service Providers”.

Preregistration in the Dispatchable RES Units Portfolios Registry in accordance with this paragraph shall be a prerequisite for the RES Units portfolio to enter into Commissioning operation and pre-qualification testing.

Once the Commissioning and the pre-qualification tests are completed, the preregistered RES Units portfolios shall be definitely registered in the RES Units Portfolios Register as Dispatchable RES Units Portfolios. During the final registration of the Dispatchable RES Units Portfolio, the Registered Characteristics shall be finalised according to the results of the pre-qualification tests.

### 3 Procedure of registration in the HETS Operator Registry

#### 3.1 Initial Registration in the HETS Operator Registry

1. The interested party that wishes to register in the HETS Operator Registry for the first time shall submit a Registration Application to the HETS Operator, in accordance with the template provided in the Annex of this Technical Decision and as described in detail in sections 3.1.1 to 3.1.4. of this Technical Decision, and also submit any supporting documents necessary.
2. The Application consists of four Parts, which are the following:
  - Part A: Balancing Services Provider/Balance Responsible Party Contract details;
  - Part B: Dispatchable Generating Units details;
  - Part C: Dispatchable Load Portfolios details;
  - Part D: Dispatchable RES Units Portfolios details.
3. The interested party has to complete Part A of the Registration Application. From Part B to D, the interested party shall complete the Part(s) which refers to the Balancing Services Entities it represents. Where it wishes to represent more than one Balancing Services Entities, it shall complete the appropriate Parts for each one of them separately.
4. By submitting the Application Registration, the interested party states that it expressly and unreservedly accepts the Balancing Market Regulation, the HETS Operation Code and the relevant Technical Decisions and Manuals, as amended contextually and as in force, and has to comply with their content, including the satisfaction of the financial obligations resulting therefrom.
5. If the interested party does not already have an EIC Code, along with Application Registration, it shall also submit an EIC Code Application in accordance with the template posted on the website of the HETS Operator .
6. Together with the Application, the interested party shall pay the Application Fee, fixed by means of decision of RAE, upon the recommendation of the HETS Operator. Along with the Application, the Application Fee payment receipt shall also be submitted.
7. The Registration Application, the EIC Code Application, as well as all the statements submitted by the interested party must be stamped and signed by the applicant or by their legal representative, and attested as regards the authenticity of signature by a competent authority.
8. The Registration Application, the EIC Code Application, the statements and the documents submitted by the interested party must be original, legally verified copies and, in case of foreign documents, must bear the Hague Apostille.
9. The Registration Application, the EIC Code Application, the statements and the documents submitted by the interested party must be written in Greek or in English. In any case, the documents must be accompanied by an official translation into Greek or into English.

10. DAPEEP shall be automatically registered in the HETS Operator Registry by way of derogation from the provisions of this Article.

### 3.1.1 Submission of Part A of the Registration Application

1. In Part A of the Registration Application, the interested party shall complete the following details:
  - a) its full name or trade name;
  - b) its registered headquarters;
  - c) its VAT Reg. No. and Tax Office (DOY);
  - d) its General Commercial Register (GEMI) Number;
  - e) its legal representative;
  - f) its contact person;
  - g) its contact details (phone number, e-mail etc.);
  - h) its registered attribute(s). If the party concerned wishes to be registered under more than one attributes, it may choose more than one attributes;
  - i) its EIC Code; and
  - j) the enclosed supporting documents.
2. Along with Part A of the Registration Application, the interested party shall also submit the following documents:
  - a) The legalising documents of the interested party that demonstrate its legal incorporation and operation, as well as its legal representation by the person signing the Registration Application and the relevant statements. For example:

In the case of a natural person:

    - i. Photocopy of police identity card;
    - ii. Certificate for Trade Initiation with amendments thereof;
    - iii. Certificate of the competent First Instance Court on non-bankruptcy and the non-filing of an application to declare bankruptcy or, in case of a foreign natural person, another equivalent document;
    - iv. Certificate of the competent First Instance Court on non-inclusion in rationalization/conciliation procedures and the non-filing of an application for inclusion in rationalization/conciliation procedure or, in case of a foreign natural person, another equivalent document;
    - v. Any special authorizations for the signing of the Application or of the supporting documents and the representation of the interested party in its relations with the HETS Operator;

In the case of a legal person:

- i. Communication of the last codified Articles of Association from GEMI or, in case of a legal person, any other equivalent document from the relevant commercial registry.
- ii. A General Certificate issued by GEMI on a recent date (within the last month) or, in case of a foreign legal person, another document of the relevant commercial registry.
- iii. Communication by GEMI with regard to the appointment of the Board of Directors, its constitution into body and the delegation of responsibilities or, in case of a foreign legal person, another equivalent document of the relevant commercial register.
- iv. A General Valid Representation Certificate issued by GEMI on a recent date (within the last month) or, in case of a foreign legal person, another document of the relevant commercial registry.
- v. Certificate of the competent First Instance Court on non-bankruptcy and the non-filing of an application to declare bankruptcy or, in case of a foreign legal person, another equivalent document;
- vi. Certificate of the competent First Instance Court on non-inclusion in rationalization/conciliation procedures and the non-filing of an application for inclusion in rationalization/conciliation procedure or, in case of a foreign legal person, another equivalent document;
- vii. Any special authorizations for the signing of the Application or of the supporting documents and the representation of the interested party in its relations with the HETS Operator (such as a BoD decision or the authorization of the legal representative).
- viii. For foreigners having established branches or offices in Greece, a GEMI announcement regarding the lawful establishment of the relevant branch or office shall also be submitted.

The above documents are only indicative; the interest party must submit the legalising documents proving its legal existence and operation, as well as its legal representation, depending on its status. It should be stressed that the HETS Operator shall reserve the right to request additional documents, where it believes that the documents submitted by the applicant are not complete.

- b) Solemn declaration of the interested party or of its legal representative listing the documents attached to the Registration Application according to the Template of this Technical Decision.
- c) Certificate issued by the Clearing House confirming that a Clearing Account has been set up for the Participant as a Direct Clearing Member or that a Clearing Account has been set up by the General Clearing Member for the Participant. Where there is no Clearing House for a specific Balancing Market for any reason whatsoever, the interested party shall provide guarantees in accordance with the provisions of the Balancing Market Regulation.
- d) Guarantees in accordance with the provisions of HETS Operation Code.

- e) Production License, or RES Production License or Certificate, or Supply License, or Trading License, or RES Aggregator License, or Demand Response Aggregator License, depending on the attribute of the interested party. Where the party concerned has more than one attributes, it shall provide the appropriate license for each one of them.
  - f) For RES Producers, a copy of the Differential Increment Operating Aid Contract (DIOAC) or a DAPEEP Certificate regarding the operation status of the RES and CHP Units falling under the provisions of Article 3(19) of Greek Law 4414/2016.
3. With regard to all other issues, the provisions of Section 3.1 of this Technical Decision shall apply.

### 3.1.2 Submission of Part B of the Registration Application

#### 3.1.2.1 Submission of Part B of the Registration Application for the preregistration in the Balancing Market Generating Units Registry

1. In order a power generation unit with a valid production license, which is located in the mainland or on the islands interconnected to it, and which has an installed capacity of more than 5MW, to be subject to Commissioning or to perform pre-qualification testing, preregistration in the Balancing Market Generating Units Registry shall be required.
2. For the preregistration of a generating unit in the Balancing Market Generating Units Registry, the interested party shall submit Part B of the Registration Application to the HETS Operator where it shall complete the following details:
  - a) the name or trade name of the Balancing Services Provider, as well as its EIC Code;
  - b) the name of the generating unit;
  - c) the generating unit Operator;
  - d) the contact details of the generating unit Operator;
  - e) the available Registered Operating Characteristics of the generating unit as described in the Annex entitled “Registered Characteristics” of the HETS Operation Code. Such details are not final and are subject to adjustment based on the result of the pre-qualification tests described in the “Terms and Conditions of Balancing Service Providers”; and
  - f) the enclosed supporting documents.
3. Along with Part B of the Registration Application, the interested party shall also submit:
  - a) a copy of the operation license for every generating unit
  - b) Especially for Dispatchable CHP Units, an approval of the special operation conditions for each one of them

4. Where the interested party is not already registered in the Balancing Service Providers Registry and in the Balance Responsible Parties Registry, the provisions of Section 3.1.1. of this Technical Decision shall apply. Where the interested party is already registered in the Balancing Service Providers Registry and in the Balance Responsible Parties Registry and only wishes to preregister the new generating unit, the provisions of Section 3.2. of this Technical Decision shall apply.
5. Upon completion of the preregistration of the generating unit in the Balancing Market Generating Units Registry, a preregistration certificate shall be issued.
6. With regard to all other issues, the provisions of Section 3.1 of this Technical Decision shall apply.

### **3.1.2.2 Submission of Part B of the Final Registration Application for the preregistration in the Balancing Market Generating Units Registry**

1. Once the Commissioning and the pre-qualification tests described in the “Terms and Conditions of Balancing Service Providers” have been completed and once the operating license has been issued, the Dispatchable Generating Units shall be definitely registered in the Balancing Market Generating Units Registry in accordance with the provisions of the following paragraphs. During the final registration of the Dispatchable Generating Unit, the Registered Characteristics shall be finalised according to the results of the pre-qualification tests.
2. For the final registration of the Dispatchable Generating Unit, the interested party shall submit to the HETS Operator Part B of the Registration Application in accordance with Section 3.1. of this Technical Decision where it shall complete the following details, as well as any other details provided during preregistration that it wishes to modify:
  - a) the name or trade name of the Balancing Services Provider, as well as its EIC Code;
  - b) the name of the Dispatched Generating Unit;
  - c) the Registered Operating Characteristics of the Dispatchable Generating Unit as described in the Annex “Registered Characteristics” of the HETS Operation Code, as finalized based on the results of the pre-qualification tests described in the “Terms and Conditions of Balancing Service Providers”; and
  - d) the enclosed supporting documents.
3. Along with Part B of the Registration Application, the interested party shall also submit a copy of the operation license for every Dispatchable Generating Unit.
4. Upon completion of the registration of the Dispatchable Generating Unit in the Balancing Market Generating Units Registry, a registration certificate shall be issued.
5. With regard to all other issues, the provisions of Section 3.1 of this Technical Decision shall apply.

### 3.1.3 Submission of Part C of the Registration Application

#### 3.1.3.1 Submission of Part C of the Registration Application for the preregistration in the Dispatchable Load Portfolio Registry

1. In order a demand response portfolio to be subject to Commissioning or pre-qualification testing, preregistration in the Dispatchable Load Portfolio Registry shall be required.
2. For the preregistration of demand response portfolio in the Dispatchable Load Portfolio Registry, the interested party shall submit Part C of the Registration Application to the HETS Operator where it shall complete the following details:
  - a) the name or trade name of the Balancing Services Provider, as well as its EIC Code;
  - b) the name of the demand response portfolio;
  - c) the Operator of the demand response portfolio;
  - d) the contact details of the Operator of the demand response portfolio; and
  - e) the available Registered Operating Characteristics of the demand response portfolio as described in the Annex entitled “Registered Characteristics” of the HETS Operation Code. Such details are not final and are subject to adjustment based on the result of the pre-qualification tests described in the “Terms and Conditions of Balancing Service Providers”.
3. Where the interested party is not already registered in the Balancing Service Providers Registry and in the Balance Responsible Parties Registry, the provisions of Section 3.1.1. of this Technical Decision shall apply. Where the interested party is already registered in the Balancing Service Providers Registry and in the Balance Responsible Parties Registry and only wishes to preregister the new demand response portfolio, the provisions of Section 3.2. of this Technical Decision shall apply with regard to the remaining issues.
4. Upon completion of the preregistration of the demand response portfolio in the Dispatchable Load Portfolio Registry, a preregistration certificate shall be issued.
5. With regard to all other issues, the provisions of Section 3.1 of this Technical Decision shall apply.

#### 3.1.3.2 Submission of Part C of the Registration Application for the final registration in the Dispatchable Load Portfolio Registry

1. Upon completion of the Commissioning and of the pre-qualification tests described in the “Terms and Conditions of Balancing Service Providers”, the Dispatchable Load Portfolios shall be definitely registered in the Dispatchable Load Portfolio Registry according to the provisions of the following paragraphs. During the final registration of the Dispatchable Load Portfolio, the Registered Characteristics shall be finalised according to the results of the pre-qualification tests.



2. For the final registration of the Dispatchable Load Portfolio, the interested party shall submit to the HETS Operator Part C of the Registration Application in accordance with Section 3.1. of this Technical Decision where it shall complete the following details, as well as any other details provided during preregistration that it wishes to modify:
  - a) the name or trade name of the Balancing Services Provider, as well as its EIC Code;
  - b) the name of the Dispatchable Load Portfolio; and
  - c) the Registered Operating Characteristics of the Dispatchable Load Portfolio as described in the Annex “Registered Characteristics” of the HETS Management Code, as finalized based on the results of the pre-qualification tests described in the “Terms and Conditions of Balancing Service Providers”.
3. Upon completion of the registration of the Dispatchable Load Portfolio in the Dispatchable Load Portfolio Registry, a registration certificate shall be issued.

With regard to all other issues, the provisions of Section 3.1 of this Technical Decision shall apply.

### **3.1.4 Submission of Part D of the Registration Application**

#### **3.1.4.1 Submission of Part D of the Registration Application for the preregistration in the Dispatchable RES Units Portfolios Registry**

6. In order a RES Units portfolio to be subject to Commissioning or pre-qualification testing, preregistration in the Dispatchable RES Units Portfolios Registry shall be required.
7. For the preregistration of a generating unit in the Dispatchable RES Units Portfolios Registry, the interested party shall submit Part B of the Registration Application to the HETS Operator where it shall complete the following details:
  - a) the name or trade name of the Balancing Services Provider, as well as its EIC Code;
  - b) the RES Units Portfolio Registry Name;
  - c) the RES Units Portfolio Registry Operator;
  - d) the RES Units Portfolio Registry Operator contact details; and
  - e) the available Registered Operating Characteristics of the RES Units portfolio as described in the Annex entitled “Registered Characteristics” of the HETS Operation Code. Such details are not final and are subject to adjustment based on the result of the pre-qualification tests described in the “Terms and Conditions of Balancing Service Providers”.
8. Where the interested party is not already registered in the Balancing Service Providers Registry and in the Balance Responsible Parties Registry, the provisions of Section 3.1.1. of this Technical Decision shall apply. In case, that the interested party is already registered in the Balancing Service Provider Registry and in the Balance Responsible Parties Registry and

only wishes the preregistration of the new RES Unit Portfolio, the provisions of Section 3.2. of this Technical Decision shall apply.

9. Upon completion of the preregistration of the RES Units portfolio in the Dispatchable RES Units Portfolios Registry, a preregistration certificate shall be issued.
10. With regard to all other issues, the provisions of Section 3.1 of this Technical Decision shall apply.

#### **3.1.4.2 Submission of Part D of the Registration Application for the final registration in the Dispatchable RES Units Portfolios Registry**

1. Upon completion of the Commissioning and of the pre-qualification tests described in the “Terms and Conditions of Balancing Service Providers”, the Dispatchable RES Units Portfolios shall be definitely registered in the Dispatchable RES Units Portfolios Registry according to the provisions of the following paragraphs. During the final registration of the Dispatchable RES Units Portfolio, the Registered Characteristics shall be finalised according to the results of the pre-qualification tests.
2. For the final registration of the Dispatchable RES Units Portfolio, the interested party shall submit to the HETS Operator Part D of the Registration Application in accordance with Section 3.1. of this Technical Decision where it shall complete the following details, as well as any other details provided during preregistration that it wishes to modify:
  - a) the name or trade name of the Balancing Services Provider, as well as its EIC Code;
  - b) the name of the Dispatchable RES Units Portfolio; and
  - c) the Registered Operating Characteristics of the Dispatchable RES Units Portfolio as described in the Annex “Registered Characteristics” of the HETS Management Code, as finalized based on the results of the pre-qualification tests described in the “Terms and Conditions of Balancing Service Providers”.
3. Upon completion of the registration of the RES Units portfolio in the Dispatchable RES Units Portfolios Registry, a registration certificate shall be issued.
4. With regard to all other issues, the provisions of Section 3.1 of this Technical Decision shall apply.

### **3.2 Registration of new Balancing Services Entities**

1. Where the interested party is already registered in the Balancing Service Providers Registry and in the Balance Responsible Parties Registry and wishes to register or preregister a new Balancing Services Entity, the interested party shall only submit the Part(s) of the Registration Application related to the Balancing Services Entities that it wishes to represent according to Section 3.1. of this Technical Decision. Where the interested party wishes to represent more than one Balancing Services Entities, it shall complete the appropriate Parts and submit them along with any supporting documents for each one of them separately.

2. Where the interested party is already registered in the Balancing Service Providers Registry and in the Balance Responsible Parties Registry and some of its details in the Balancing Service Providers Registry and the Balance Responsible Parties Registry have changed, except from the provisions of paragraph 1 of this Section, it shall follow the provisions of Section 6 of this Technical Decision.
3. With regard to all other issues, the provisions of Section 3.1 of this Technical Decision shall apply.

## 4 Approval or rejection of the registration

1. The HETS Operator shall register the applicant in the HETS Operator Registry within fifteen (15) business days from the day of submission of the corresponding complete application. Upon registration, the HETS Operator shall issue a relevant certificate to the interested party. A copy of the certificate shall be notified to RAE, the Distribution Network Operator, the Clearing House and the Hellenic Energy Exchange.
2. The HETS Operator may reject the registration application for the HETS Operator Registry, when:
  - a) the Applicant has not submitted a complete application or has not paid the Application Fee;
  - b) the Applicant, in the past, has been in breach of its obligations under an earlier HETS Operator Transactions Contract or a Balancing Service Contract or a Balance Responsible Party Contract, resulting in the termination of the Contract, unless the circumstances giving rise to the termination have ceased to exist,
  - c) The conclusion of a Balancing Service Contract or a Balance Responsible Party Contract with the Applicant is a reason of breach by the HETS Operator of its obligations pursuant to the applicable legislation;
  - d) The applicant has outstanding overdue financial obligations against the HETS Operator for any cause; or
  - e) The relevant requirements as set out in the HETS Operation Code and the Balancing Market Regulation are not met.
3. The HETS Operator shall justify the rejection of the Application. The rejection shall be notified to RAE, the Distribution Network Operator, the Clearing House and the Power Exchange.
4. The Applicant may lodge an objection within ten (10) business days from the notification of the above rejection, on which the HETS Operator shall decide within ten (10) business days. The above objection and decision shall be notified to RAE, the Distribution Network Operator, the Clearing House and the Power Exchange.

## 5 Publication of the HETS Operator Registry

1. The HETS Operator shall publish the following details in its website:  
Regarding the Balancing Service Providers Registry:
  - a) the name or trade name of the Balancing Services Provider;
  - b) the attribute/attributes of the Balancing Service Provider; and
  - c) the EIC Code of the Balancing Service Provider.Regarding the Balance Responsible Parties Registry:
  - a) the name/trade name of the Balance Responsible Party;
  - b) the attribute/attributes of the Balance Responsible Party; and
  - c) the EIC Code of the Balance Responsible Party.Regarding the Balancing Market Generating Units Registry:
  - a) the name of the Dispatched Generating Unit;
  - b) the EIC Code of the Dispatched Generating Unit;
  - c) the registered capacity of the Dispatched Generating Unit.Regarding the Dispatchable Load Portfolio Registry:
  - a) the name of the Dispatchable Load Portfolio;
  - b) the EIC Code of the Dispatchable Load Portfolio;Regarding the Dispatchable RES Units Portfolios Registry:
  - c) the name of the Dispatchable RES Units Portfolio; and
  - d) the EIC Code of the Dispatchable Load Portfolio;
2. The HETS Operator shall publish in its website any change of the details of paragraph 1 of this Article.

## 6 Amendment to the Registry

1. Those registered in the HETS Operator Registry must immediately inform the HETS Operator on any change in the details of the Registry related to them or to the Balancing Services Entities they represent.
2. Where a registered Balancing Service Provider/Balance Responsible Party wishes to change its own details in the HETS Operator Registry, it shall resubmit the Registration Application to the HETS Operator including the details of Part A, as well as any details of Parts B to D that it wishes to change. This Application shall indicate the changed details, and include only any new supporting documents in the form of attachments. The supporting documents that have already been submitted and are still valid shall not be resubmitted.
3. The HETS Operator shall inform RAE, the Distribution Network Operator, the Clearing House and the Hellenic Energy Exchange on any change in the data of the Registry.

## 7 Deletion from the HETS Operator Registry

1. The registered Balancing Services Provider or the Balance Responsible Party, as well as the Balancing Services Entities it represents shall be deleted from the HETS Operator Registry, where the Balancing Services Provider Contract or the Balance Responsible Party Contract is terminated, in accordance with Article 7 of the Balancing Market Regulation.
2. The Dispatchable Generating Units can be deleted from the Balancing Market Generating Units Registry if they permanently cease to operate, following a corresponding decision from RAE.
3. The Dispatchable RES Units Portfolios and the Dispatchable Load Portfolios shall be deleted after the statement of their representatives.

## 8 Transitional Provisions for the HETS Operator Registry at the start of the operation of the Balancing Market

1. Those registered in the Participants Register provided for by RAE decisions no. 56/2012 and 57/2012 (Greek Government Gazette No. 104/Series B/31.01.2012 and Greek Government Gazette No. 103/Series B/31.01.2012) shall be deemed as:
  - d) being temporarily registered in the Balancing Service Providers Registry and the Balance Responsible Parties Registry;
  - e) having unconditionally accepted the provisions of the Balancing Market Regulation and of the HETS Operation Code and the relevant methodologies, parameters and other special approvals, technical decisions and manuals, as they may be amended and be applied and must comply with their content;
  - f) having automatically concluded a Balancing Service Provider Contract or a Balance Responsible Party Contract depending on their attribute;
  - g) having automatically concluded a HETS Operator Transaction Contract, according to the provisions of the HETS Operation Code.
2. Those temporarily registered in the HETS Operator Registry according to paragraph 1 of this Article shall be automatically deleted from the HETS Operator Registry, provided that by the 15th of September 2020 (a) the HETS Operator has not received any certificate from the Clearing House that a Clearing Account has been set up for the Participant as a Direct Clearing Member, or that a Clearing Account has been set up by the General Clearing Member for the Participant; and b) no guarantees have been submitted according to the HETS Operation Code. Since the deletion, it shall be considered that there is no Balancing Service Contract and/or Balance Responsible Party Contract with the HETS Operator, with all the implications resulting from the lack thereof.
3. Dispatchable Generating Units registered in the Units Register under RAE decision no. 57/2012 shall be automatically registered in the Balancing Market Generating Units Registry. For these Units, there shall be no pre-qualification tests regarding their technical characteristics that are already registered. The technical characteristics for which they have not been checked shall be declared from the beginning by the Balancing Services Provider by the 1st of August 2020 at the latest, while the relevant tests must take place within one (1) year from the entry into force of this Regulation.
4. By the 30th of November 2020, those temporarily registered in the HETS Operator Registry must submit a registration application in the HETS Operator Registry according to the provisions of the Technical Decision "Procedures of registration in the HETS Operator Registry". HETS Operator shall proceed to the final registration in the HETS Operator Registry of those temporarily registered who have submitted a complete registration application by the 31st of January 2021 and shall issue a registration certificate. Where a registration application is not submitted within the above deadline, those temporarily registered shall be automatically deleted from the HETS Operator Registry and the Balancing Service Contract and/or the Balance Responsible Party Contract and the



Transactions Contract of the HETS Operator shall be terminated from the day following the expiry of the deadline, with all the implications arising from such termination.

## 9 Annex

### 9.1 Application Template - Part A

| APPLICATION FOR THE REGISTRATION IN THE HETS OPERATOR REGISTRY / PART A'                    |  |                            |  |
|---|--|----------------------------|--|
| FULL NAME or COMPANY NAME OF THE<br>BALANCING SERVICES PROVIDER / BALANCE RESPONSIBLE PARTY |  |                            |  |
| For the registration in the<br>BALANCING SERVICES PROVIDER<br>REGISTRY                      |  |                            |  |
| For the registration in the<br>BALANCE RESPONSIBLE PARTY                                    |  |                            |  |
| EIC CODE  |  |                            |  |
| APPLICANT'S CAPACITIES (Please complete one or more depending on the case)                  |  |                            |  |
| Producer  |  | Trader                     |  |
| RES Producer  |  | Consumer                   |  |
| Private Producer  |  | RES Aggregator             |  |
| Supplier  |  | Demand Response Aggregator |  |
| Self-supplied customer  |  |                            |  |
| VAT REG. NO.  |  |                            |  |
| TAX OFFICE  |  |                            |  |
| GEMI Number   |  |                            |  |
| LEGAL REPRESENTATIVE  |  |                            |  |
| REGISTERED SEAT ADDRESS   |  |                            |  |
| CONTACT ADDRESS   |  |                            |  |
| CONTACT PERSON  |  |                            |  |
| TELEPHONE   |  |                            |  |
| EMAIL   |  |                            |  |

| <b>SUPPORTING DOCUMENTS</b><br>(Mark with an X the following documents submitted along with Part A' of the Application))  |  |
|---|--|
| Copy of the production license or certificate   |  |
| <b>For RES Producers</b><br>Copy of the Differential Premium Operating Aid Contract (DPAC)<br><b>or</b><br>DAPEEP Certificate regarding the operation status of the RES and CHP Units falling under the provisions of Article 3(19) of Greek Law 4414/2016  |  |
| Copy of the Supply License  |  |
| Copy of the Trading License   |  |
| Copy of the Aggregator License  |  |
| Copy of the Demand Response Aggregator License  |  |
| Legalizing Documents  |  |
| <u>Solemn declaration</u> of the Applicant listing the documents attached according to the template.  |  |
| <u>Certificate</u> issued by the Clearing House confirming that a Clearing Account has been set up for the Participant as a Direct Clearing Member or that a Clearing Account has been set up by the General Clearing Member of the Participant.<br>Where there is no Clearing House for a specific, Balancing Market for any reason whatsoever, the interested party shall provide guarantees in accordance with the provisions of Article 115 of the Balancing Market Regulation. |  |
| Guarantees (in accordance with the provisions of Article 326 of the HETS Operation Code)  |  |

By submitting this Application Registration, we declare that we expressly and unreservedly accept the Balancing Market Regulation, the HETS Operation Code and the relevant Technical Decisions and Manuals, as amended from time to time and as in force and we under take to comply with content.

Legal Representative

(Date)  
 (Full name)  
 (Company stamp)  
 (Authorization for the authenticity of the signature)

## 9.2 Application Template - Part B

| <b>APPLICATION FOR THE REGISTRATION IN THE HETS OPERATOR REGISTRY / PART B'</b>   |  |
|---|--|
| FULL NAME OR TRADE NAME OF THE<br>BALANCING SERVICES PROVIDER   |  |
| EIC CODE<br>OF THE BALANCING SERVICES PROVIDER  |  |
| NAME<br>Generating Unit (preregistration)<br>or<br>Dispatchable Generating Unit   |  |
| OPERATOR<br>Generating Unit (preregistration)<br>or<br>Dispatchable Generating Unit                                     |  |
| REGISTERED SEAT OF THE OPERATOR   |  |
| CONTACT ADDRESS OF THE OPERATOR   |  |
| CONTACT PERSON OF THE OPERATOR  |  |
| TELEPHONE   |  |
| EMAIL   |  |
| <b>SUPPORTING DOCUMENTS</b><br>(Mark with an X the following documents submitted along with Part B' of the Application) |  |
| Copy of the production license  |  |
| Especially for dispatchable CHP Units, an<br>approval of the special operation  |  |
| Copy of the operation license   |  |

Legal Representative

(Date)  
(Full name)  
(Company stamp)  
(Authorization for the authenticity of the signature)

### 9.3 Application Template - Part C

| APPLICATION FOR THE REGISTRATION IN THE HETS OPERATOR REGISTRY / PART C'                     |  |
|--|--|
| FULL NAME OR TRADE NAME OF THE<br>BALANCING SERVICES PROVIDER                                |  |
| EIC CODE<br>OF THE BALANCING SERVICES PROVIDER   |  |
| NAME<br>demand response portfolio (preregistration)<br>or<br>Dispatchable Load Portfolio     |  |
| OPERATOR<br>demand response portfolio (preregistration)<br>or<br>Dispatchable Load Portfolio |  |
| REGISTERED SEAT OF THE OPERATOR  |  |
| CONTACT ADDRESS OF THE OPERATOR  |  |
| CONTACT PERSON OF THE OPERATOR   |  |
| TELEPHONE  |  |
| EMAIL  |  |

Legal Representative

(Date)  
 (Full name)  
 (Company stamp)  
 (Authorization for the authenticity of the signature)

## 9.4 Application Template - Part D

| APPLICATION FOR THE REGISTRATION IN THE HETS OPERATOR REGISTRY / PART D'                    |  |
|---|--|
| FULL NAME OR TRADE NAME OF THE<br>BALANCING SERVICES PROVIDER                               |  |
| EIC CODE<br>OF THE BALANCING SERVICES PROVIDER  |  |
| NAME<br>RES Units portfolio (preregistration)<br>or<br>Dispatchable RES Units Portfolio     |  |
| OPERATOR<br>RES Units portfolio (preregistration)<br>or<br>Dispatchable RES Units Portfolio |  |
| REGISTERED SEAT OF THE OPERATOR   |  |
| CONTACT ADDRESS OF THE OPERATOR   |  |
| CONTACT PERSON OF THE OPERATOR  |  |
| TELEPHONE   |  |
| EMAIL   |  |

Legal Representative

(Date)  
 (Full name)  
 (Company stamp)  
 (Authorization for the authenticity of the signature)

## 9.5 Solemn Declaration Template

### SOLEMN DECLARATION OF LEGAL REPRESENTATIVE

..... (Date)

Dear Sirs,

By means of this declaration and regarding any transaction of our company ..... with or through INDEPENDENT POWER TRANSMISSION OPERATOR (ADMIE), we the undersigned ..... hereby confirm that there has been no change in the articles of association nor the representation of our company. We also confirm that no changes have occurred in the company status apart from these described

- in the documents already provided to you
- in the following documents that we are now providing you with:

.....  
.....  
.....  
.....  
.....

Accordingly, we undertake the obligation to keep you duly informed of any relevant company change and to send you without delay, duly certified copies of all important documents. We are fully responsible and liable towards ADMIE should any damage occur due to our negligence in providing such documents. All such changes or any cancellation of granted company authorizations shall become valid for ADMIE, one day after you receive them and will be proven by such receipt, or else they may not be contested against ADMIE. Under no circumstances will ADMIE be responsible towards our company for any transactions concluded by non-authorized individuals due to posterior corporate changes effected but not notified to ADMIE, as described above.

The legal representative,

(Date, Name, Stamp, Certified signature)

## 9.6 Registered Characteristics Table

In order to register in the HETS Operator Registry the representative of a Balancing Service Entity shall declare at the HETS Operator the following characteristics, if available, depending on the type and the technology of the entity.

The characteristics of entities which can be operated with more than one functional configuration, such as Multi-Shaft Combined Circle Dispatchable Units and Dispatchable Units with alternative fuel, are declared separately for each configuration unless they are the same. Those characteristics are indicated by the symbol “&” in the tables below.

| Registered Operational Characteristics of the Balancing Service Entity/Generating Unit  |                  |                       |
|---|------------------|-----------------------|
| Description   | Numerical Value  | Unit of measurement   |
| <b>A.1 General information of the Balancing Service Entities</b>  |                  |                       |
| Entity Code Number (EIC)  |                  | -                     |
| Geographical Position of the Entity   |                  | -                     |
| Identifier of the Meter(s) which record(s) the output of the Entity   |                  | -                     |
| Node to which the Entity is electrically connected, or in the case of an Entity that is not connected to a node, the node that is electrically closer to the Entity.                  |                  | -                     |
| Registered capacity   |                  | MW                    |
| <b>A.2. Conventional plants details</b>   |                  |                       |
| Number of generators  |                  |                       |
| & Maximum continuous output (gross)   |                  | MW                    |
| & Maximum continuous output (net), after taking into account the internal service and the auxiliary loads of the Unit   |                  | MW                    |
| & Maximum Net Continuous Output (NCAP) in ISO conditions (Net unit output after taking into account the internal service and the auxiliary loads of the unit)                         |                  | MW                    |
| & Auxiliary loads of the Unit (active power), for production of active power from 0 to NCAP (in one or more steps)  | MW (auxiliary)   | MW (gross production) |
| & Auxiliary loads of the Unit (reactive power), for production of active power from 0 to NCAP (in one or more steps)  | MVAr (auxiliary) | MW (gross production) |
| & Overload capacity (gross)   |                  | MW                    |
| & Overload capacity (net)   |                  | MW                    |
| & Minimum continuous output (gross)   |                  | MW                    |
| & Minimum stable generation (net capacity of the Unit after taking into account the internal service and the auxiliary loads of the Unit)   |                  | MW                    |
| & Minimum operating time after startup  |                  | hours                 |
| & Minimum down time   |                  | hours                 |
| & Max starts per year   |                  | starts                |
| <b>Maximum continuous reactive power capacity (at nominal voltage of the injection site)</b>  |                  |                       |
| & Capacitive (absorption) for active power generation equal to the minimum stable generation, the maximum generation capacity, as well as five (5) intermediate active power levels.  | MW               | Mvar                  |
|   | 1.               |                       |
|   | 2.               |                       |
|   | 3.               |                       |
|   | 4.               |                       |
|   | 5.               |                       |
| & Inductive (injection) for active power generation equal to the technical minimum generation, the maximum generation capacity, as well as five (5) intermediate active power levels. | MW               | Mvar                  |
|   | 1.               |                       |
|   | 2.               |                       |
|   | 3.               |                       |
|   | 4.               |                       |
|   | 5.               |                       |
| Terminal Voltage adjustment range   |                  | kV                    |
| Governor Droop (R)  |                  | %                     |
| Short-circuit Ratio   |                  |                       |
| Rated stator current  |                  | Amps                  |
| Capability chart showing full range of operating capability of the Generating Unit including thermal and excitation limits  |                  | -                     |
| Open circuit magnetization curves   |                  | -                     |
| Short circuit characteristic  |                  | -                     |
| Zero power factor curve   |                  | -                     |
| V curves  |                  | -                     |



| Registered Operational Characteristics of the Balancing Service Entity/Generating Unit  |                              |   |
|---|------------------------------|---|
| Description   | Numerical Value              | Unit of measurement                                   |
| Ability of the generator to start on each fuel  |                              | YES/NO  |
| Ability to change fuels on-load   |                              | YES/NO  |
| Available operating modes (lean burn, etc)  |                              | -   |
| Time to change modes on-load  |                              |   |
| "Black Start" capability  |                              | YES/NO  |
| & Forbidden zones of continuous operation due to oscillations for Hydroelectric Plants, forbidden thermal plant zones   | ( .... - ..... )             | (MW, MW) upper and lower limit of the zone definition |
| <b>Thermal status transition time (when continuously shutdown) before it is placed under long standby conditions</b>  |                              |   |
| & From hot to warm status   |                              | hours   |
| & From warm to cold status  |                              | hours   |
| & From hot to cold status   |                              | hours   |
| <b>Synchronization time</b>   |                              |   |
| & From hot status   |                              | hours   |
| & From warm status  |                              | hours   |
| & From cold status  |                              | hours   |
| & Minimum additional time (on top of the synchronization time) in case the unit is placed under long standby conditions   |                              | hours   |
| & Soaking time phase after starting from each thermal status (hot, warm,cold)   | Hot:<br>Warm:<br>Cold:       | hours   |
| <b>Soak trajectory:</b> The net production level during the start-up phase, from synchronization to the minimum stable generation of each Generating Unit (up to 6 hourly steps for every thermal status, steps must be hourly, continuous without gaps and in each step the value of the power is not allowed to be reduced compared to the previous step) |                              |   |
| & From hot status   | Level of net production (MW) | hours   |
| & From warm status  | Level of net production (MW) | hours   |
| & From cold status  | Level of net production (MW) | hours   |
| & Shut down time from the minimum stable generation until desynchronization   |                              | hours   |
| <b>Environmental characteristics of the unit</b>  |                              |   |
| & CO <sub>2</sub> emission curve in relation to the active power output (net) of the production unit  |                              | tn CO <sub>2</sub> / MW                               |
| & SO <sub>2</sub> emission curve in relation to the active power output (net) of the production unit  |                              | tn SO <sub>2</sub> / MW                               |
| & NO <sub>x</sub> emission curve in relation to the active power output (net) of the production unit  |                              | tn NO <sub>x</sub> / MW                               |

In addition, for the thermal conventional production units the declaration of the data regarding the special heat consumption shall be done according to the following table.

| Conventional plants technical details   |                               |                                   |
|---|-------------------------------|-----------------------------------|
| A.3 Additional details for thermal generating units   |                               |                                   |
| & Heat Rate   | Levels of net production (MW) | Special heat consumption (GJ/MWh) |
| Heat rate (in GJ/MWh) for net generation between the minimum stable generation and the maximum net capacity (NCAP), <b>at ten (10) levels of net generation (in MW)</b> two of which are the ends of the above period.<br><br>These points must be selected so that the derived specific fuel consumption curve approaches the real one. The points resulting from an estimation according to the measurements made (as opposed to actual measurements) must be indicated on the diagram. | 1.                            |                                   |
|   | 2.                            |                                   |
|   | 3.                            |                                   |
|   | 4.                            |                                   |
|   | 5.                            |                                   |
|   | 6.                            |                                   |
|   | 7.                            |                                   |
|   | 8.                            |                                   |
|   | 9.                            |                                   |
|   | 10.                           |                                   |

In particular, the conventional production units that may operate in more than one configurations shall, in addition to the above-mentioned characteristics, complete the following table.

| Conventional plants technical details  |                       |                     |                              |
|--|-----------------------|---------------------|------------------------------|
| A.4 Additional details for generating units that are able to operate in more than one configurations   |                       |                     |                              |
|  | Initial configuration | Final configuration | Transition time (half hours) |
| & Transition table, which includes any possible transition from one configuration to another, as well as the corresponding transition time.<br><br>For the purposes of this table, the "off" status is not considered a separate configuration, so no relevant transitions need to be filled in. |                       |                     |                              |
|  |                       |                     |                              |
|  |                       |                     |                              |
|  |                       |                     |                              |
|  |                       |                     |                              |
|  |                       |                     |                              |
|  |                       |                     |                              |
|  |                       |                     |                              |
|  |                       |                     |                              |
|  |                       |                     |                              |

For the registration in the HETS Operator Registry of the Balancing Services Entities as defined in the Balancing Market Regulation, the following characteristics are also required.

| <b>Additional technical details for Balancing Service Entities</b>  |                        |                            |
|---|------------------------|----------------------------|
| <b>Description</b>  | <b>Numerical Value</b> | <b>Unit of measurement</b> |
| & Minimum additional time added to the synchronization time in case of recall from total non-availability condition   |                        | hours                      |
| & Technical capability to Provide Balancing Capacity for Upward Frequency Containment Reserve (upward FCR)  |                        | MW                         |
| & Technical capability to Provide Balancing Capacity for Downward Frequency Containment Reserve (downward FCR)  |                        | MW                         |
| & Technical capability to Provide Balancing Capacity for Upward Frequency Restoration Reserve (upward FRR) (may not exceed the value of the declared unit ramp up rate multiplied by 5)       |                        | MW                         |
| & Technical capability to Provide Balancing Capacity for Downward Frequency Restoration Reserve (downward FRR) (may not exceed the value of the declared unit ramp down rate multiplied by 5) |                        | MW                         |
| & Ramp up rate under AGC (for providing automatic upward FRR)   |                        | MW/ min                    |
| & Ramp down rate under AGC (for providing automatic downward FRR)   |                        | MW/ min                    |
| & Maximum Load under Automatic Generation Control (AGC) (for providing automatic upward FRR)  |                        | MW                         |
| & Minimum Load under Automatic Generation Control (AGC) (for providing automatic downward FRR)  |                        | MW                         |
| <b>Operation between the technical minimum generation and up to the maximum generation</b>  |                        |                            |
| & Ramp up rate  |                        | MW/min                     |
| & Ramp down rate  |                        | MW/min                     |

All the above-mentioned characteristics which are certified by the prequalification testing, are updated after the completion of those tests. The results of the execution of each test (test report) are submitted to the HETS Operator and consist part of the corresponding entry of the Registry.

The HETS Operator reserves the right to request from the owners of the generating units and/or demand side facilities additional data in relation to the above, if this is deemed reasonably necessary.