CHAPTER 1

ACCESS TO THE NATIONAL TRANSMISSION GRID

SECTION 1A – CONNECTIONS TO THE NTG

1A.1 SUBJECT

1A.1.1 This section 1A regulates the terms and conditions of a technical, procedural and economic nature for supplying the **National Transmission Grid (NTG) connection service** to **users of the connection.**

This section will distinguish **users of the connection** into owners of:

(a) **production plants and merchant lines** (both alternating current and direct current) (see section 1A.5);

(b) plants corresponding to **grids with third-party connection obligations** (see section 1A.6);

(c) plants corresponding to **consumption units** (see sections 1A.7 and 1.A.8);

(d) Plants corresponding to **grids** other than the **grids with third-party connection obligation** (see section 1A.9);

(e) off-shore wind-power (see section 1A. 10).

1A.1.2 This section describes the following aspects of the procedure for **connection** to the

NTG:

(a) criteria for elaborating **connection solutions**;

(b) conventional technical solutions for **connection** to the **NTG**;

(c) Contract terms and conditions for supplying the **connection service**.

1A.2 SCOPE OF APPLICATION

1A.2.1 The provisions of this section apply to the **connection** to the **NTG** of plants as listed in the previous paragraph 1A.1.1, letters (a), (b), (c) and (d) and, in particular:

(a) to the **connection** to the **NTG** of plants that are not already connected;

(b) to the modification or adjustment of the connection to the **NTG** of **plants** that are already connected including changes in the **connection power** of the same;

(c) to the re-creation of an existing **connection**.

1A.3 CRITERIA FOR ELABORATING CONNECTION SOLUTIONS

1A.3.1 The **Operator** examines the **connection applications** to the **NTG** to define, case by case, the **connection solution** on the basis of criteria that, taking into consideration the technical and economic aspects of the connection works and the provisions of Chapter 2, paragraph 2.3.3, can guarantee continuity and security in **operating** the **NTG** to which the new plant is to be connected. This implies selecting the method for **connecting** the plant to the **NTG**, the **connection** layout, and the configuration of the delivery plants, in order to ensure that the plant is compatible with the **NTG** and its management and **operating** needs.

1A.3.2 The **connection solution** must be such as:

(a) not to downgrade the performance and reliability of the **NTG**;

(b) not to compromise the security of the **National Electricity System (Sistema elettrico nazionale - SEN)**;

(c) not to damage other **Users** connected to the **NTG**;

in compliance with the provisions set out in the Technical Connection Rules in Section 1B or 1C of this chapter, depending on the scope of application in which the plant is included, and according to the standards included in Chapter 10 below.

The **Operator** verifies the suitability of the possible **connection solutions** with reference to the typical conditions of operation of the **SEN** also taking account of the forecast development scenarios.

The **Operator** analyses every initiative in the **grid** context it is involved in and works to minimise any possible problems related to the excessive concentration of initiatives in the same area, being understood that the obligation of the **User** to respect any possible limitations in **operations** linked to grid restrictions shall apply.

1A.4 CONVENTIONAL TECHNICAL SOLUTIONS FOR CONNECTION TO THE NTG

1A.4.1 The **solutions for connection** to the **NTG**, adopted by the **Operator**, are defined on the basis of various factors including, not exhaustively:

(a) the power, the characteristics and the type of the plant to be connected with reference to the injection and withdrawal of electricity;

(b) the location of the plant to be connected;

(c) the presence, in the area involved, of **production plants**, of plants corresponding to **consumption units**, and of lines and **electrical substations**;

(d) the topology of the existing electricity **grid** and the **transport capacity** of the lines;

(e) the **transmission reliability margins** available on the **grid** and, if necessary, the **dynamic** stability margins;

(f) the aspects regarding the operation and security of the **SEN**;

(g) the measures already included in the **Grid Development Plan**, for which reference is made to Chapter 2 of this Grid Code;

(h) the service quality (**outages** and other quality parameters) pursuant to Chapter 11 of this Grid Code.

1A.4.2 In determining the connection solution, the **Operator** adopts the criteria presented in the document A.2 "Guide to connection schemes" attached as Appendix A to the present chapter and always in any case **connection solutions** which fulfil the requirements pursuant to paragraph 1A.3.2.

In the case of distinct **applications for connection** to the **NTG** which involve the same portion of **grid**, the **Operator** reserves the right to identify **connection solutions** which minimise the **grid** infrastructures in the geographical area involved, providing if necessary the same infrastructures to several **Users**.

Furthermore, the **Operator** shall adopt specific criteria with reference to the type of plant and its characteristics, as briefly specified below.

(a) *Production Plants (Producers) and Merchant Lines*

In preparing the **connection solution** the **Operator** defines the reinforcements needed to create locally a **grid** configuration adequate for insertion of the plant into the **grid** identifying any work on existing electricity

grids which becomes strictly necessary for the purpose of meeting the **connection application**.

In this regard, in general **connection solutions** on the less congested portions of the **grid** should be preferred.

The choice of the **connection solution** for **production plants** can be influenced by:

(i) the type of **power plant** (thermoelectric, hydroelectric, wind powered, etc.);

(ii) the number and size of the **generator groups**;

(iii) the presence and size of **own loads**, with particular reference to **essential loads**;

(iv) the contribution to **short circuit** currents.

The choice of the **connection solution** for **merchant lines** is also determined considering the effects these operations generate on the **NTG** and on other connected **grids**.

(b) *Plants corresponding to grids with and without third-party connection obligations*

For these types of **connections**, which can regard both **electrical substations** and lines, the **Operator** assesses the **connection application** taking into account the effects that this work will have on the **NTG** and on the other **grids** affected by the **connection**. In particular, for plants corresponding to **primary distribution stations**, the choice of the **connection solution** can be influenced by the power withdrawn/input in full operation and by any changes in the withdrawal/input envisaged on the existing surrounding **primary stations** and by the possibility of re-supplying the **load** through the medium voltage distribution **grid**.

(c) *Plants corresponding to consumption units*

Considering the general evaluation criteria listed above in paragraph 1A.4.1 when preparing a **connection solution** for plants corresponding to **consumption units**, the **Operator** shall verify the **transport and generation capacity** on the portion of the **grid** concerned, based on the characteristics of the existing **grid**, on the nearby **load** distribution, in both the current configuration of the **grid** and the expected one, and on the type of plants corresponding to the **consumption units**.

Besides the size of the plant, the possible disturbances introduced into the **grid** by the new user are also considered. These may include harmonics, the **flicker**, dissymmetry of voltages, etc. High levels of disturbance can in fact influence the choice of the **connection solution**, in particular as regards the voltage level of the **grid** to which the **User** is to be connected, also taking into account the value of the **short-circuit power** at the **input point**.

The **conventional technical connection solutions** adopted by the **Operator** for **connection** of plants to the **NTG** are described in the document A.2 "Guide to connection schemes" attached as Annex A to the present chapter. The **Operator** reserves the right to adopt different **connection solutions** if reasons of a technical nature or particular characteristics of the areas affected by the **connection** justify a particular **connection solution**, in any case in line with the provisions of paragraph 1.A.3.2.

1A.4.4 Technical standards and project specifications

1A.4.4.1 The **Operator** and the **User** have the obligation to build the **plants for connection** in accordance with the provisions of this Grid Code in compliance with the current national and international standards (CEI, IEC, CENELEC, UNI, ISO, etc.).

1A.4.4.2 The technical requirements for the **grid plants for connection** are indicated in the technical project specifications, as well as in the technical guides for the operation and maintenance of the plants drafted by the **Operator**.

1A.4.4.3 The **connection user** is required to build and operate the **user plants for connection** that interface with the **grid plants for connection** in accordance with the Technical Rules for Connection, under section 1B or 1C of this chapter, depending on the scope of application in which the plants are included, and with the Dispatching Rules under Chapter 4 of this Grid Code issued under the terms of Article 3, paragraph 6 of Italian Legislative Decree 79/99, For checks to be carried out by the **Operator**, in relation to the aforementioned aspects the **applicant** will submit the documentation indicated in the present chapter or other documentation that the said **Operator** deems necessary.

1A.4.4.4 For **plant for connection** specifications, consult, section 1B or 1C of this Chapter, below, and the relative annexes, depending on the scope of application in which the plants are included.

1A.5 PROCEDURE FOR THE CONNECTION OF PRODUCTION PLANTS AND MERCHANT LINES

1A.5.1 Methods for submitting connection applications

1A.5.1.1 The provisions of this section apply to **production plants** and if compatible, also to **merchant lines**.

1A.5.1.1bis **Connection applications**, formulated by the **applicant**, are to be submitted to the **Operator** for plants with **requested injection power** of 10,000 kW or more.

1A.5.1.2 **Connection applications** pursuant to paragraph 1.A.2.1. letters b) and c) must be submitted to the **Operator** if the plant is already connected to the **NTG.**

1A.5.1.3 **Connection applications** must include the following information:

(a) the identification data of the **applicant**; in the case of an adjustment of an existing **connection**, the **applicant** must coincide with the owner of the existing **connection point** or with an agent of the said owner.

(b) the amount of **requested injection power** at the end of the **connection** process, expressed in kW;

(c) the **nominal power**, expressed in kW, of the plant for which **connection** is requested, or the amount of power increase of a plant already installed;

(d) in case of an adjustment request regarding an already existing **connection**, the identification data of the **connection point**, together with the already available injection power and the already available withdrawal power;

(e) the primary source used for the production of electricity;

(f) the beginning and end date of the works to build the plant and the expected date the said plant will come into operation;

(g) the project documentation of the works planned according to the IEC 0-2 standard;

(h) any technical needs of the **User** that might influence definition of the **connection solution**;

(i) a cadastral plan of the works showing the ownership/possession of the land where the **production plant** will be located;

(j) an affidavit, certifying possession of the site where the **production plant** is to be installed. This document must at least declare the conditions of availability in terms of ownership or any utilization rights.

(k) for **co-generation plants**:

- certification of compliance or non-compliance with the conditions listed in the Ministerial Decree of 4 August 2011, based on the project data, highlighting any compliance or non-compliance with the definition of **high performance co-generation plant**. This certification is made by the **applicant** by means of an affidavit;

- a communication similar to the one described in Article 8, Paragraph 2, of the Ministerial Decree of 5 September 2011, based on the project data of the plant or of the sections that constitute it;

(l) in the case of **hybrid power plants**, any certification of compliance or non-compliance with the conditions listed in Art. 8, paragraph 6, of Italian Legislative Decree No. 387/03, on the basis of the project data. This certification is made by the **applicant** by means of an affidavit;

(m) the documentation attesting that the fee for obtaining the **connection** estimate has been paid;

(n) the power related to the supply of **auxiliary services**, expressed in kW;

(o) the **requested withdrawal power** at the end of the **connection** process, expressed in kW, specifying whether this power relates only to supply of the **auxiliary services** or also to another consumption centre; in cases in which the **requested withdrawal power** does not contemplate the **auxiliary services** (or contemplates them in part), it is necessary to indicate the different **connection points** through which the **auxiliary services** are supplied;

(p) the linear diagram, signed by a qualified technician, and related to the part of the plant that has the same delivery voltage level, including the **voltage transformers** from the delivery voltage level to other voltage levels and the devices relevant to **connections** (general, interface and generation devices; generation and connection **measurement points**) regardless of the voltage levels of the said devices and **measurement points**; The linear diagram, drawn up under the terms of the IEC standards, must indicate, if present, any storage systems, specifying the power type (unidirectional or bidirectional) and the installation type (production side or post-production), further connection points with other grids, and the relative voltage and PODs;

(q) the intended use of the electricity withdrawn (specifying whether the electricity is withdrawn only to supply **auxiliary services** or also of other **loads**); the type of customer also needs mentioning, if the electricity withdrawn is not exclusively used for the supply of **auxiliary services**;

(r) the affidavit certifying the absence of grounds for revocation, suspension or prohibition pursuant to Art. 67 of

Italian Legislative Decree 159/11, i.e. the documentation necessary for the purpose of acquiring the anti-Mafia information.

(s) the potential division of the plant into distinct **sections** that are expected to enter into operation in different moments in time;

(t) if there is an adjustment of the existing **connection**, the existence of other electric energy **production plants** connected to the **grid with obligations to connect third parties** through the same **connection point**;

(u) the intended commercial use of the electric energy produced (self-consumption as well as sales, exclusively for sales after self-consumption used for **auxiliary services**, on-site exchange, dedicated withdrawal);

(v) the intention to apply for incentives provided for in the regulations in force as well as the description of them;

(w) the potential existence of other **applicants** with which it could be possible to share the **grid plant for connection**, if the **applicant** is in possession of relevant information;

(x) the possible authorization to provide other **applicants** and/or other **grid operators** with third-party connection obligations with the data contained in this paragraph in order to activate the coordination between **grid operators** with third-party connection obligations and for possible sharing of the **grid plant for connection**.

(y) the person possibly delegated by the **applicant** to act on its behalf as concerns the technical aspects related to the **connection**;

(z) a fax number or certified electronic mail address;

(aa) unconditional and irrevocable acceptance of all provisions in this Grid Code;

(bb) the personal details of the party that, in relation to the plant for which the connection application is being submitted, will hold the role of electricity producer, if distinct from the **applicant**:

- Company name, or in the case of natural persons, Name and Surname, and place and date of birth;
- VAT No. or, in the case of natural persons without a VAT No., tax ID code;
- address of registered office (Italian office for foreign companies) or in the case of natural persons, the residence address (Italian domicile in case of foreign residents), with indication of postal code and ISTAT code of Municipality;

(cc) at least one email address and a telephone number for the party holding the role of producer.

It is the **Operator**'s responsibility to acquire, from the relevant offices, the anti-Mafia documentation related to the **applicant** for the **connection**. It remains understood that the supply of the connection service is in any case subject to a condition subsequent in the case of disqualifying anti-Mafia information received from the competent bodies.

1A.5.1.4 The **applicant** can indicate in the **connection application** an existing point of the **NTG** that the **Operator** must refer to in order to determine the **connection solution**, it being understood that the **connection solution** is defined by the **Operator** in such a way as to guarantee the secure operation of the **grid**. In these cases:

- the **General Minimum Technical Solution (Soluzione Tecnica Minima Generale - STMG) for the connection** provides for the

connection at the **injection point** of the **NTG** indicated by the **applicant**, if compatible with the needs of feasibility and secure operation of the **grid**;

- if in the **injection point** of the **NTG** indicated by the **applicant** it is not possible to make the **connection** of the entire **requested injection power**, the **STMG** indicates the maximum input power that can be connected to the said input point of the NTG and the reasons for this;

- alternatively, the **Operator** may propose **connection solutions** which, in its opinion, fulfil the purpose of enabling the **connection** of the entire **requested injection power** and of meeting, at the same time, the need to minimise the **connection solution**.

On acceptance of the **connection** estimate, if the **applicant** has indicated to the **Operator** the **injection point** of the **NTG**, it may opt for the development of a new **connection** estimate related to the **requested injection power**, waiving the **connection solution** related to the **injection point** of the **NTG** indicated. Exercising this option is considered as a new **connection application**, which is subject to the procedural, technical and economic conditions of a normal **connection application**.

1A.5.1.5 To avoid the impossibility to proceed, **connection applications** must be accompanied by a bank receipt to certify the fact that the **applicant** has paid the fee payable to the **Operator** to obtain the **connection** estimate.

1A.5.1.6 In the case of incomplete **connection applications**, the **Operator** shall require the **applicant** to supplement the **connection application** indicating the elements needing additional information. The supplement must be received by the **Operator** within the following 60 (sixty) days.

After this deadline, if the supplementary documentation has not been received, the **connection application** will lapse.

1A.5.1.7 The **Operator** under the terms of Art. 3, paragraph 1, of Italian Legislative Decree No. 79/99 may reject **connection applications** providing adequate reasons.

1A.5.2 Response methods and times of the Operator – connection estimate

1A.5.2.1 Following the **connection application** the **Operator** shall process the **STMG** and inform the **applicant** within the term of 90 (ninety) days from the date of receiving the **connection application**. The **Operator** gives priority to examining **connection applications** for electricity **production plants** that use renewable sources and for high performance co-generation plants, in order to reduce the response time as much as possible.

The **connection** estimate must include:

1) preparation of an **STMG**;

2) the connection fee, with a complete breakdown of cost components as well as the indication of the fee that must be paid on acceptance of the **connection estimate**, equal to 30% of the said connection fee;

3) a list of the requirements necessary for authorization of the **plant for connection** and of possible work on existing electricity grids, together with information indicating the origin and reason for each requirement;

4) a code that clearly identifies the **connection** file (file code), the name and address of a person in charge of the **connection** application on behalf of the **Operator**;

5) in the case of **connection** of electricity **production plants** that use renewable sources, the contact details of the **Operator** for the purpose of summoning pursuant to the procedure under Article 12 of Italian Legislative Decree No. 387/03;

6) the deadline for completion of the **connection**;

7) technical specifications that indicate the way to carry out the works for which the **applicant** is responsible;

8) technical specifications on metering, specifying the responsibilities pertaining to the produced, input and withdrawn electricity metering service;

9) *[optional]* the costs incurred and methods used by the **Operator**, to carry out the metering activities in the event that the **applicant** is responsible;

10) methods for acceptance of the **connection** estimate;

11) *[optional]* the disclosure that the **grid plant for connection** is used by more than one **applicant**;

12) *[optional]* information on the fact that the **grid plant for connection** is already, entirely or partially, being built directly by another **applicant**, specifying possibly the time frame agreed with this applicant;

13) the activities that must be carried out parallel to the **connection**;

14) *[optional]* the indication that the plant has to be connected in critical areas/lines.

The **STMG,** which is part of the **connection estimate,** may provide for the presence of **user plants for connection** in the areas between the boundaries of the **Users'** property, where the **connection** is served, and the **connection point** and it includes the following:

(a) the description of the **grid plant for connection** corresponding to one of the **conventional technical connection solutions** referred to in section 1A.4 and of the related **user plant for connection** or the specific **connection solution**;

(b) the description of any work on existing electricity grids that is strictly needed to meet the **connection application**;

(c) *[Optional]* the description of potential further connection works, for the purpose of the single authorization process, under the "*Guide Lines for the Single Authorization Process as referred to in Art.12 of Italian Legislative Decree No. 387 of 29 December 2003 for the authorization of the construction and operation of production plants for electricity from renewable sources as well as technical guidelines for the said plants*" pursuant to the Ministerial Decree of 10 September 2010;

(d) *[Optional]* any possible temporary **operational** methods for the **applicant's** plant to be adopted for the time necessary to carry any work under letter (b) and the technical reasons for this;

(e) the necessary data for preparing, depending on the particular characteristics of the areas involved in the **connection**, the documentation to be attached to the authorization requests to submit to the competent authorities drafted starting from the **STMG**;

(f) the identification of the parts, among the **grid plants for connection**, that can be designed and built by the **applicant**.

The **STMG** is accompanied by:

(i) the time required for building the grid plant for connection and the

work on the existing electricity grids which is necessary to satisfy the **connection application**, net of any reclamation and/or restoration of the area to be used for the **grid plant for connection** and for all needs related to guaranteeing service continuity;

(ii) the average costs for the construction of the **grid plants for connection** mentioned in paragraph 1.A.5.2.1 letter a). If the **grid plant for connection**, or a part of it, serves more than one **applicant**, such costs will be both highlighted as a total and divided amongst the **applicants** on the basis of the **requested input power**;

(iii) the average costs of carrying out work on the existing electricity grids pursuant to paragraph 1.A.5.2.1 letter b).

Costs are understood as net of work regarding:

- reclamation and/or restoration (earth moving, levelling, consolidation) of the area intended for the grid plant for connection;

- acquisition of availability of the land on which the **grid plant for connection** will be located;

The **Operator** prepares the **STMG** taking into account the rational development needs of the electricity **grids** and the need to ensure service continuity and, at the same time, in a manner that does not lead to permanent limitations of the **connection power** in the foreseeable operating conditions of the **SEN**).

1A.5.2.2 The **Operator**, in the **STMG**, can require the **applicant** to make further space available to the **Operator** itself, as compared to the space necessary for the construction of the **grid plant for connection**. If these further spaces can be correlated to the needs of future development of the **applicant**'s plant, they will be transferred to the **Operator** by the **applicant** for free; otherwise, the aforementioned spaces will be sold to the **Operator** by the **applicant** at a price agreed by the two parties according to transparent and non-discriminatory criteria.

1A.5.2.3 The **Operator** has the discretion to develop **technical connection solutions** different from the minimum technical **connection** solutions while respecting all the provisions relating to the economic conditions for the **connection**. In this case, the costs that exceed those corresponding to the minimum technical **connection** solution will be borne by the **Operator**.

1A.5.3 Terms and conditions for acceptance of the connection estimate

1A.5.3.1 The deadline for acceptance of the **connection** estimate by the **applicant** is set, on penalty of lapse of the **connection application**, within and no later than 120 (one hundred and twenty) days from the notification by the **Operator** of the said **connection** estimate or from the notification by the **Operator** of a new **connection** estimate following a request for a change pursuant to paragraph 1.A.5.3bis.

1A.5.3.1 bis The statement of acceptance of the **connection** estimate must be accompanied by:

a) documents proving payment of 30% of the connection fee;

b) the possible request of the **applicant**:

- to deal with the fulfilments associated with the authorization process related to the **grid plant for connection** and the possible work on the existing grid and/or

- to build on its own the **grid plant for connection** and to carry out any work on the existing grid, in the case of plants for which this possibility is envisaged.

c) The possible decision to make use of the produced energy metering service of the **Operator**, in presence of the necessary pre-requisites.

If the **connection** estimate acceptance communication is not complete with all the documents detailed under letter a), the **connection** estimate shall not be considered validly accepted.

1A.5.3.2 With the exception of the provisions of Chapter 12 of this Grid Code, the aforementioned acceptance of the **connection** estimate will exempt the **Operator** from all confidentiality obligations regarding the initiative for which a **connection** to the **NTG** has been requested.

1A.5.3.3 With the acceptance of the **connection** estimate the **applicant** assumes the responsibility for the expenses which may result from modification of telecommunications systems as a result of **interference**, pursuant to Article 95 paragraph 9 of Italian Legislative Decree 259/03.

1A.5.3.4 The **Operator** allows the **applicant**, upon application pursuant to paragraph 1A.5.3.1 bis, to plan and build the **grid plants for connection** for which this possibility is envisaged, in compliance with the **Operator's** technical standards and the project specifications.

In such cases, the **Operator** in any case prepares the **detailed minimum technical solution (STMD)**, after obtaining authorizations, which must be adopted by the **applicant** as reference solution for the purposes of design and creation of the **grid plant for connection.**

1A.5.3.5 At the specific request of the **applicant** at the moment of acceptance of the estimate, the **Operator**, if the conditions are met, allows for the inclusion of the **plant for connection** initially identified as **user plant for connection** among **grid plants for connection,** provided that the user plant for connection is

designed and produced observing standard requirements for **NTG** plants.

In particular, the **user plant for connection** can be included among **grid plants for connection** if:

a. it is possible to identify a **grid diagram** that makes it possible to guarantee the continuity and security of operation of the **grid** on which the plant to be included in the **NTG** is to be inserted;

b. it makes it possible to reinforce/expand the **grid** and increase the mesh of the **NTG** in the areas involved;

c. it is functional to future work on developing the NTG and rationalising the system;

d. it makes it possible to optimise use of the grid resources through the use of a single HV and MV **electrical substation** for the connection of more than one user, according to the methods specified in the **TICA.**

It is understood that the conventional **connection point** for service quality monitoring purposes remains the one indicated by the **Operator** in the **STMG**. In these cases:

- the **Operator** shall modify the **connection** estimate within the following 90 days, taking into account that the part of infrastructure initially considered external to its **grid**, will become a part of it;

- the operational and management expenses of the aforementioned parts of the plant will not be borne by the **applicant**.

As this is a modification of the **connection** estimate, the **applicant** shall pay the **Operator** a fee for the change to the **connection** estimate of a half of the fee indicated in paragraph 1A.5.10.1.

1A.5.3.6 As an alternative to the provisions of paragraph 1A.5.3.5., the **Operator** reserves the right to propose a different **connection solution**, identifying ad hoc rules of both an economic and technical nature.

1A.5.3 bis Requests for changes to the connection estimate - before and after acceptance of the estimate

1A.5.3 bis.1 After the notification of the **connection** estimate by the **Operator**, the **applicant**, before acceptance of the said estimate, within the following 120 (one hundred and twenty) days, will have the right to request changes to the **connection** estimate on the basis of a different **STMG**.

Requests for changes to the **connection power** of the **connection user's** plants made with respect to an **application for connection** to the **NTG** presented to the **Operator** under the terms of the present Grid Code, and requests for changes that entail the division of the **requested injection power** into separate initiatives are also considered requests for changes to the **connection** estimate.

1A.5.3 bis.2 In cases of requests for changes to the **connection** estimate prior to acceptance of the same, the **applicant**, at the moment of requesting the change, pays the **Operator** a fee for the changes to the **connection** estimate equal to half of the fee for obtaining the **connection** estimate pursuant to paragraph 1A.5.10.1.

The **Operator** will inform the **applicant** of the related evaluation no later than 90 (ninety) days after receiving the compete request for a change to the **connection** estimate. Furthermore, the Operator will prepare a new **connection** estimate or reject the request for a change to the **connection** estimate. In the case of rejection, the **Operator** must explain the reasons for it. If the **applicant** makes a request for changes to the **connection** estimate that entail a more expensive **connection solution** compared to the one initially indicated by the **Operator** and if this solution is feasible, then:

- only in the case of **plants producing electricity** from renewable sources and/or **high-efficiency co-generation plants**, the **connection** fee shall be equal to the sum of the **connection** fee pursuant to paragraph 1A.5.11.4. lett. b) or c) defined initially and the

difference between the conventional average costs of building **grid plants for connection** pursuant to paragraph 1A.5.8.4 letter c) attributable to the **STMG** chosen by the applicant and the conventional average costs of building **grid plants for connection** pursuant to paragraph 1A.5.8.4 letter c) attributable to the **STMG** initially indicated by the **Operator**;

- in the other cases, any extra expenses that derive from the new **connection solution** remain completely chargeable to the **applicant**.

1A.5.3 bis.3 In cases of **connection power** variations as referred to in paragraph 1A.5.3 bis.1 the **applicant** is obliged to promptly communicate the extent of the change and the **Operator** reserves the right to modify the **connection solution** including when it has already been accepted by the **applicant**. A request to reduce the **connection power**, that is to say when the same is at the most a minimum between 10% of the previously **requested injection power** and 100 kW, is not considered a change to the **connection** estimate. The **applicant** shall highlight this to the **Operator** by the date of completion of the **production plant**, using the same methods envisaged for the **connection** modification request.

It is understood that in case of variations and reductions of **connection power**, for plants with a **connection** procedure in progress, the requests will be dealt with by the **Operator** only if related to **production plants** with **connection power** of 10,000 kW or more. In all other cases, the coordination procedure between **grid operators with third-party connection obligations** will be applied, as described in the paragraph 1.A.5.14 below.

1A.5.3 bis.4 An accepted connection estimate can be modified, after acceptance by the **applicant**:

a. for fortuitous reasons or for causes of force majeure which do not depend on the **Applicant's** intentions and can be opportunely documented;

b. when this change does not entail alterations of the **connection solution;**

c. after agreement between the **Operator** and the **applicant**, also in order to propose new **connection solutions** which take account of the evolution of the local electrical system; these cases include also requests for a change

to the **connection** estimate that entail the division of the **requested injection power** into separate initiatives.

In cases of a change to an accepted **connection** estimate for fortuitous reasons or for causes of force majeure which do not depend on the **Applicant**'s intentions and which can be opportunely documented (pursuant to letter a above)

- the change to the **connection** estimate is made by the **Operator** free of charge;
- the **connection** fee is re-calculated according to the new **STMG**; for the above purposes the **Operator** will send the new **STMG** complete with all the information provided for in paragraph 1A.5.2.1.

In cases of changes to an accepted **connection** estimate that do not entail alterations of the **connection solution** (pursuant to letter b above):

- on submission of the request for changes to the **connection** estimate, the **applicant** pays the **Operator** a fee for the change to the **connection** estimate of half of the fee for obtaining the **connection** estimate defined in paragraph 1A.5.11.1;
- within the same deadline envisaged for preparation of the **connection** estimate pursuant to paragraph 1A.5.2.1 starting from the date on which it received the complete request for changes to the **connection** estimate, the **Operator** updates the **connection** estimate, without this affecting the **connection** fee already defined.

In cases of a change to an accepted **connection** estimate after agreement between the **Operator** and the **applicant** (pursuant to letter c above):

- if the change request is made by the **applicant**, the latter shall pay the **Operator** a fee for the change to the **connection** estimate of a half of the fee for obtaining the connection estimate defined in paragraph 1A.5.11.1 and the other provisions pursuant to paragraph 1A.5.3bis.2 above shall apply;
- if the change application is submitted by the **Operator**, the change to the **connection** estimate is made by the **Operator** free of charge and the

connection fee is recalculated on the basis of the new **STMG**, according to the provisions of paragraph 1.A.5.11.3; for the above purposes the **Operator** sends the new **STMG** complete with all the information provided for in paragraph 1A.5.2.1.

It is understood that the request for changes to the **connection** estimate, both before and after acceptance of the same, once accepted by the **Operator,** constitutes to all effects and purposes a new **connection application** which cancels and replaces the previous one.

For requests to adjust an existing **connection** that do not change its configuration entered in **GAUDÌ** or on the user's electricity plant and that do not entail works by the **Operator** on the **connection point** or on the existing grid, nor the creation of **grid** developments, the **applicant** is required exclusively to send the **Operator** an update. These communications do not require payment of any fee.

1A.5. 3 ter Reservation of grid capacity

1A.5.3 ter 1 The **STMG** indicated in the **connection** estimate remains valid for 270 working days from the date of acceptance of the **connection** estimate, net of the time taken by the **Operator** to validate the project related to the **grid plant for connection**. The validity period of the **STMG** therefore entails the temporary reservation of the related grid capacity.

1A.5.3 ter 2 If the procedure for authorization to build and **operate** the **production plant** has not been completed within the times pursuant to paragraph 1A.5.3 ter 1 above or, within the same terms, the Environmental Impact Assessment (Valutazione di Impatto Ambientale - VIA) procedure, if provided for, has not been completed with a positive result, the **STMG** defined in the **connection** estimate assumes an indicative value. The **Operator** may modify the **STMG** defined in the **connection** estimate, after the request for verification of persisting feasibility and viability conditions of the **STMG** by the Manager of the VIA procedure or the single authorization procedure.

1.A.5.3 bis 3 For the purpose of the provisions in the preceding paragraph, when requesting to initiate the single authorization procedure, the **Applicant** shall transmit the following information to the person in charge of the said procedure and, if it is necessary to obtain a VIA, also to the person in charge of the VIA procedure:

- the **traceability code** of the **connection application** related to the STMG attached to the authorization request,
- the identification and contact details of the **Operator** to which the **connection application** has been sent,
- the acceptance date of the **connection** estimate;
- the expiry date of validity of the **STMG**, highlighting that after the said date it will be necessary to check with the **Operator** the technical feasibility of the **STMG** presented in the authorization process,
- the project compliance assessment issued by the **Operator**.

1A.5.3 ter 4 If the **production plant** is subject to VIA, and if the person in charge of the VIA believes the conditions for successful completion of the VIA exist, then the latter checks with the **Operator** the persistence of the conditions of feasibility and viability of the **STMG** drafted by the **Operator**, before informing the **Applicant** of the successful completion of the procedure. Within 20 (twenty) working days after receiving the request for an opinion regarding the persistence of the feasibility and viability conditions of the **STMG**, the **Operator** checks if the said **STMG** is still feasible and informs the person in charge of the procedure and the **applicant** of the results of this analysis. If coordination with other **grid operators** becomes necessary, then the aforementioned timeline shall be defined excluding the time necessary for the coordination, that is, the time between the date when the request for coordination was sent and the date when the opinion of the other **grid operator** is received.

The latter shall send its opinion within 15 (fifteen) working dys from the date the coordination request was received. If the results of the assessment carried out by the **Operator** are positive, the **Operator** shall confirm the **STMG** definitively. Otherwise, in the following 45 working days and with the exclusion of the time necessary for the possible coordination with other **grid operators**, the **Operator** establishes a new **STMG** and notifies it to the **applicant**. The new **STMG** shall lapse if it is not formally accepted by the **applicant** within 30 days from receiving the said communication; the current **connection** estimate shall lapse at the same time.

If the **STMG** is accepted:

- the **Operator** shall confirm the related grid **transport capacity**;

- the **applicant** shall present the documentation relating to the new **STMG** to the manager of the procedure and inform the **Operator** of this following the timeline and procedure described in paragraph 1A.5.6.2 bis in the case of plants not subject to the single procedure or in paragraph 1A.5.7.1 in the case of plants subject to the single procedure, calculated starting from the date of acceptance of the new **STMG**. Failure to observe these conditions entails the lapse of the **connection** estimate and of the **STMG** with the methods provided for in the same paragraphs.

1A.5.3 ter 5 If the **production plant** is not subject to VIA, the manager of the single authorization procedure checks with the **Operator** the persistence of the conditions of feasibility and viability of the **STMG** subject to authorization. The **applicant** may independently send to the **Operator** a request for the confirmation of persistence of the feasibility and viability of the **STMG** subject to authorization. The **Operator** shall reply to the **applicant**'s request only if the applicant has attached to the said request a copy of the convening letter for the final meeting of the so-called service conference ("conferenza dei servizi"). Within 20 (twenty) days from the date of receiving the request for an opinion forwarded by the manager of the single authorization procedure or by the **applicant**, the **Operator** shall check that the said **STMG** is still viable and shall notify the results of the assessment to the manager of the procedure and to

the **applicant**. If coordination with other **grid operators** becomes necessary, then the aforementioned timeline shall be defined excluding the time necessary for the coordination, that is, the time between the date when the request for coordination was sent and the date when the opinion of the other **grid operator** is received. The latter shall send its opinion within 15 (fifteen) working days from the date the coordination request was received. If the results of the assessment carried out by the **Operator** are positive, the **Operator** shall confirm the **STMG** definitively. If, on the contrary, the **Operator's** assessment is negative, in the following 45 working days, excluding the time necessary for possible coordination with other **grid operators**, the **Operator** shall prepare a new **STMG** and notify it, in the same amount of time, to the **applicant**. The new **STMG** shall lapse if it is not formally accepted by the **applicant** within 30 days from receiving the said communication; the current **connection** estimate shall lapse at the same time. Once the new **STMG** has been accepted, the **Operator** shall confirm the related **grid transport capacity** definitively.

1A.5.3 ter 6 If the authorization procedure is finalized after the terms described in paragraph 1A.5.3 ter 1 and in the absence of a positive opinion of the **Operator**, as described in paragraphs 1A.5.3 ter 4 and 1A.5.3 ter 5, related to the viability of the **STMG** to which the authorization refers, the said **STMG** remains indicative and is non-binding for the **Operator**. In these cases, after receiving the communication stating that the authorization procedure has been completed, the **Operator** shall check the feasibility and viability of the authorized **STMG**. If the result of the assessment is positive, this **STMG** shall be confirmed and the **Operator** shall confirm the related **grid transport capacity** definitively. Otherwise, the **connection** estimate shall lapse and the **connection** fee shall be paid back, with the legal interest accrued.

1A.5.3 ter 7 If during the authorization procedure adjustments are made to the **STMG** without modifying the **requested injection power**, the **connection** fee may be increased up to a maximum of 20% compared to the value indicated in the **connection** estimate, regardless of the actual **connection solution** to be implemented.

1A.5.4 Fulfilments following acceptance of the connection estimate

1A.5.4.1 Once the **connection** estimate has been accepted, the **applicant** shall start the construction of the **production plant** within 18 (eighteen) months from the communication of acceptance of the **connection** estimate. Furthermore, the applicant shall provide the **Operator** with an affidavit stating that the **production plant** construction works have begun – attaching any reports forwarded to the competent authorities.

If the term stated above cannot be fulfilled because the authorization procedures have not been completed either for force majeure or for reasons that cannot be ascribed to the **applicant**, then the **applicant** shall provide the **Operator** with the following:

- an affidavit stating failure to comply with the terms related to the start of the plant construction works as well as the description of the causes of the failure to start the works and of the type of authorization procedure to which the plant is subject, if the applicant cannot comply with the term because of failure to complete authorization procedures;

- subsequently, every six months, an affidavit containing an update of the progress in the **connection** procedure that states:

- the traceability code communicated by the **Operator** in the connection estimate;
- the reason for the failure to start the **production plant** construction;
- if the **applicant** cannot comply with the terms because of failure to complete the authorization procedures, the start date of the authorization procedure and the type of authorization procedure to which the production plant referred to in the communication is subject.

If the **applicant** fails to send the aforementioned affidavit to the **Operator** by the deadline specified in the present paragraph, then:

- the **Operator** shall solicit the **applicant** and
- the **applicant** shall send the said affidavit to the **Operator**, within 30 working days after receiving the **Operator**'s reminder, on penalty of lapse of the **connection** estimate. The contents of such affidavits cannot, in any case, be referred to events that occurred on dates subsequent to the date by which the **applicant** was supposed to send the affidavit.

The **applicant** must keep the documents necessary to certify the information provided to the **Operator** under the current paragraph.

1A.5.5 Rules governing planning activities for authorization purposes

1A.5.5.1 If the authorization procedure for the **grid plants for connection**, including possible work on the existing electricity grids, is carried out by the **applicant** pursuant to paragraph 1A.5.6.1 in the case of plants not subject to the single procedure or to paragraph 1A.5.7.1 in the case of plants subject to the single procedure, the latter shall perform all the necessary tasks

linked to the process of obtaining authorization including the project for authorization of the said plants on the basis of the **Operator's** technical standards.

The **applicant** may consult the **Operator** in order to prepare the planning documentation for the authorization, paying a fee for preparation of the documentation for authorization purposes pursuant to paragraph 1A.5.11.2 letter (a) point (ii), established by the **Operator** in the **connection** estimate in compliance with principles of transparency and non-discrimination.

The **applicant** unconditionally and irrevocably undertakes to:

(a) submit to the **Operator** the plan for the **grid plants for connection** and for the work on the existing electricity grids, in order for the latter to issue its opinion on whether the design meets the technical requirements pursuant to the Grid Code, including the Technical Connection Rules as per Section 1 B of this chapter, before it is submitted to the competent authorities;

(b) pay the **Operator** at the same time as submitting the plan for the **grid plants for connection** under point a) a fee, under paragraph 1.A.5.11.2, letter a), point i), for verification and evaluation linked to the issuance of the opinion of compliance pursuant to letter a) above; this fee is not due in the event that the **applicant** avails itself of the **Operator's** consultancy in preparing the project to be submitted for authorization;

(c) bear the economic burden related to the authorization procedure;

(d) transfer, free of charge, the authorization for the **grid plants for connection** to the **Operator** for fulfilment of the responsibilities which the **Operator** must perform, including the rights and obligations associated with the authorization or deriving from it;

(e) pay the **Operator**, after obtaining the necessary authorizations and at the same time as the **STMD** request, the fee for the **STMD** itself;

(f) accept the **STMD** as the reference minimum solution for the executive planning and development of the **grid plants for connection**.

If there is a plurality of **connection solutions** that involve the same **grid plant for connection**, the design of this plant is defined in close coordination with the **Operator**, in specific technical meetings, during which the **Operator** shall work to reach, where possible, a common agreement among the parties involved, in order to define a single project to be presented to the competent Authorities.

After the project documentation has been prepared and before approval of the same by the **Operator**, the **applicant** that has prepared the project, in mutual agreement with the participants in the technical meetings, shall make the said project available to the **Operator**, authorizing it also to distribute the same to other **applicants** for the **connection** interested in using it.

The time necessary to the **Operator** for validation of the project for the **grid plants for connection** and of the work on the existing electricity grids, is equal to 60 working days from the date it receives the complete documentation. With validation by the **Operator** of the project for the **grid plants for connection** the **connection** estimate is understood as confirmed by the **Operator.**

1A.5.5.2 Failure to comply with even some of the undertakings in the previous paragraph 1A.5.5.1 and, in any case, until the **connection contract** is signed, the **Operator** will not proceed to build the **connection**.

1A.5.5.3 If the authorization process for the **grid plants for connection** is completed by the **Operator**, the same will take care of the project for the authorization of the said plants.

The **applicant** unconditionally and irrevocably undertakes to:

(a) submit the plans of its own **user plant for connection** to the **Operator** so that the **Operator** can verify the methods of connection to the **NTG**;

(b) pay the **Operator**, prior to the start of activities the **Operator** is responsible for, and independent of the outcome of the authorization process, the fee for performance by the **Operator** of the authorization procedures under paragraph 1.A.5.11.2, letter b), for completion of the authorization procedures and for development of the necessary plans.

1A.5.bis Qualification of the production units in Gaudì

In relation to the **GAUDÌ** system, designed, among other things, to monitor the stages of the **connection** process after completion of the authorization process, and the activities preparatory to activation of the **connection** and to entry into commercial operation of the plant, the **applicant** is obliged to enter into **GAUDÌ** the information necessary to complete the registration of the plant, according to the procedures published on the **Operator's** website.

1A.5.6 Rules for authorization of plants not subject to the single procedure

1A.5.6.1 In the case of **connection** of **production plants** with thermal power of not more than 300 MW (not subject to Italian Law No. 55 of April 9, 2002) and **production plants** powered by renewable sources (subject to Italian Legislative Decree No. 387 of December 29, 2003) for the authorization of the **plants for connection**, the **applicant**, on acceptance of the **connection** estimate, has the right to ask the **Operator**, as provided for in paragraph 1.A.5.3.1.bis letter b, to be able to handle the procedure for authorization directly until the same has been granted, not only for **user plants for connection** but also for **grid plants for connection**, including work on existing electricity grids pursuant to paragraph 1A.5.2.1 letter b), preparing all the necessary plans. In this case, the **applicant** is responsible for all of the activities linked to the authorization procedures, including preparation of the documentation for submitting the authorization requests to the appropriate authorities. In these cases the same timing pursuant to paragraph 1A.5.6.2 bis below is valid.

For the purposes of preparing the said documentation, the **Operator**, upon request by the **applicant** to be formalized upon acceptance of the **connection** estimate, must, within the following 45 working days, and without any additional cost to the **applicant**, supply all the necessary information for the preparation, on the part of the said **applicant**, of the documentation which must be submitted for the authorization procedure.

The **applicant** must update the **Operator**, at least every six months, on the progress of the permitting process, promptly informing on the positive or negative conclusion of the said process.

1A.5.6.2 In the event that the **applicant** does not exercise the right under the previous paragraph, the **Operator** will complete the authorization procedure, communicating the approximate time-frame, exclusively for the **grid plants for connection** and for work on existing electricity grids under paragraph 1A.5.2.1 letter b).

Within 90 (ninety) working days for **HV** (high voltage) **connections** and 120 (one hundred and twenty) days for **EHV** (extra high voltage) **connections**, from receipt of the acceptance of the **connection** estimate by the **applicant**, the **Operator** must, informing the **applicant** itself, submit any requests for authorization it is responsible for and must update the **applicant** on the progress of the said authorization procedures every six months.

The fee for the performance by the **Operator** of the authorization procedures, to cover the costs incurred by the **Operator,** pursuant to paragraph 1A.5.11.2, letter b) below, is paid by the **applicant** to the **Operator** itself before the authorization applications are presented.

1A.5.6.2 bis The **applicant** must submit the request to initiate the process for permission to build and operate the **production plant**, inclusive of all the necessary documentation, within 120 (one-hundred and twenty) working days, for connections to **HV**, or within 180 (one-hundred and eighty) working days, for connections to **EHV**, from the date of acceptance of the **connection** estimate. The **applicant** must simultaneously send an affidavit to the Operator, so as to certify that the aforementioned request has been duly submitted. In this affidavit, the **applicant** shall inform the **Operator** of the type of authorization procedure followed and shall also communicate the details and the contact information of the person in charge of the authorization procedure and, if necessary, of the person in charge of the VIA procedure.

If this declaration is not sent to the **Operator** within the correct time frame, then:

- the **Operator** shall solicit the **applicant;**
- within the following 30 (thirty) working days, the **applicant** shall send an affidavit to the **Operator** so as to certify that the request to initiate the

authorization procedure has been duly submitted in the time frame mentioned above;

- the **connection** estimate shall lapse if the **applicant** does not send the affidavit within the following 30 (thirty) days.

Furthermore, the **applicant** must:

- update the **Operator**, at least every six months, on the progress of the authorization procedure;

- promptly inform the **Operator** that it has obtained the permission to build and operate the **production plant** indicating the deadline by which the **production plant** has to be completed or, on the contrary, of the negative outcome of the authorization procedure;

- If the authorizations have been obtained, on making the above communication, the **applicant** shall ask the **Operator** for a POD Code to be attributed to it for the purposes of registration of the plant details in **GAUDÌ**. For the purposes of issuance of the POD Code, the request to be presented to the **Operator**, must be accompanied by the following documentation:

    - details of the **applicant** (VAT No., Tax Code, Certified E-mail address, etc.);

    - delivery address, invoicing address (if different from delivery address), registered office address (if different from invoicing address);

- voltage of connection to the **NTG**;
- **requested withdrawal power** expressed in kW;
- **requested injection power** expressed in kW;
- **nominal power** of the plant;
- generation source;
- commercial arrangement for input (e.g. total or partial sale).

On the outcome of the request complete with this information, the **Operator** shall issue the POD Code.

1A.5.7 Framework governing the authorization process if plants for connection are subject to the single procedure

1A.5.6.1 In the case of connection of **production plants** with thermal power of not more than 300 MW (not subject to Italian Law No. 55 of April 9, 2002) and **production plants** powered by renewable sources (subject to Italian Legislative Decree
No. 387 of December 29, 2003), the **applicant** availing itself of the single procedure shall directly complete the authorization procedure up to the point of obtaining authorization not only for **user plants for connection** but also for **grid plants for connection**, including work on existing electricity grids pursuant to paragraph 1.A.5.2.1 letter b) and letter c), where applicable, preparing the necessary projects.

In this case, the **Operator,** on drafting the estimate for the **connection**, must supply, without any additional costs for the **applicant**, all the information needed by the **applicant** for preparing the documentation to present in the single procedure.

The **Operator**'s opinion is acquired within the scope of the Service Conference pursuant to Italian Law No. 55/02 and Italian Legislative Decree No. 387/03,

Including at the specific request of the **Operator**, the **applicant** must request from the competent Administrations, together with the **Operator** itself, the transfer to the **Operator** of the single authorization for the construction and operation of the plants for the consequent formalities. Within 120 (one-hundred and twenty) working days, for **HV connections**, or within 180 (one-hundred and eighty) working days, for **EHV connections**, from the date of acceptance of the **connection** estimate, the **applicant** must submit the request to initiate the single authorization procedure together with all the necessary documentation, including the project of the **grid plant for connection** and of possible work on existing electricity grids (where planned), validated by the **Operator**, sending at the same time to the **Operator** an affidavit certifying that the request to initiate the authorization procedure has been duly submitted. In this affidavit, the **applicant** shall inform the **Operator** of the type of authorization procedure followed and shall also communicate the details and the contact information of the person in charge of the authorization procedure and, if necessary, of the person in charge of the VIA procedure.

If this declaration is not sent to the **Operator** within the correct time frame, also taking into consideration the time necessary to the **Operator** to validate the finalized project after receiving it from the **applicant**, then:

a) the **Operator** shall solicit the **applicant**;

b) Within the following 30 (thirty) working days, the **applicant** shall send an affidavit to the **Operator** so as to certify that the request to initiate the authorization procedure has been duly submitted in the time frame mentioned above;

c) the **connection** estimate shall lapse if the **applicant** does not send the affidavit mentioned in the previous letter b).

Furthermore, the **applicant** must:

- update the **Operator**, at least every six months, on the progress of the authorization procedure;

- promptly inform the **Operator** that it has obtained the permission to build and operate the **production plant** indicating the deadline by which the **production plant** has to be completed or, on the contrary, of the negative outcome of the single authorization procedure;

- If the authorizations have been obtained, on making the above communication, the **applicant** shall ask the **Operator** for a POD Code to be attributed to it for the purposes of registration of the plant details in **GAUDÌ**. For the purposes of issuance of the POD Code, the request to be presented to the **Operator**, must be accompanied by the following documentation:

    - details of the **applicant** (VAT No., Tax Code, Certified E-mail address, etc);

    - delivery address, invoicing address (if different from delivery address), registered office address (if different from invoicing address);

    - voltage of connection to the **NTG**;

    - **requested withdrawal power** expressed in kW;

    - **requested injection power** expressed in kW;

    - **nominal power** of the plant;

- generation source;
- commercial arrangement for input (e.g. total or partial sale).

On the outcome of the request complete with this information, the **Operator** shall issue the POD Code.

1A.5.8 Fulfilments following the granting of authorizations and consequences related to failure to obtain authorizations

1A.5.8.1 Following the granting of authorizations regarding the grid plants for connection and any work on the existing electricity grids, the **applicant** shall ask the **Operator** for the **STMD**. The said **STMD** will be considered the reference document concerning executive planning and construction of the **plants for connection**.

1A.5.8.2 At the same time as submitting the request for the **STMD**, the **applicant** is required to:

- pay the fee for processing of the **STMD** as per paragraph 1A.5.11.3;
- attach the certification issued by the **Operator**, that states that entry in the plant registry has duly been carried out in **GAUDÌ**, if it has not already been sent;
- attach a copy of the authorization obtained and of the project documentation, approved by the **Operator** and stamped by the licensing authority.

In the absence of such conditions, the **STMD** cannot be issued.

1A.5.8.3 At the same time as submitting the request for the **STMD**, the **applicant** confirms or not the intention to exercise the right to build, either entirely or partially, the **grid plants for connection** with reference to the plants for which such a possibility is foreseen.

1A.5.8.4 The **Operator** prepares the **STMD** and notifies the **applicant** within 90 (ninety) days from the date of receiving the application.

The **STMD** contains:

(a) the list of the executive design phases for the work on the **grid plant for connection**, and any work on existing electricity grids necessary in order to satisfy the **connection application**;

(b) an estimated time frame for each of the aforementioned phases, indicating who will be responsible for each phase;

(c) the costs for construction of the **grid plants for connection** mentioned in paragraph 1A.5.2.1 letter (a);

(d) the costs of work on the existing electricity grids pursuant to paragraph 1.A.5.2.1. letter b) with the exception of works regarding the **NTG.**

The costs pursuant to letter c) above may not exceed by more than 20% the costs notified in the **STMG**, pursuant to paragraph 1A.5.2.1 point (iii), with the exception of costs due to changes made to the **STMG** deriving from conditions imposed as a result of the authorization procedures.

1A.5.8.5 The term for acceptance of the **STMD** by the **applicant** is set, on penalty of forfeiture of the said **STMD**, within and no later than 60 (sixty) days from notification by the **Operator** of the **STMD**.

1A.5.8.6 The **Operator** communicates to the **applicant** its opinion on the request as per paragraph 1A.5.8.3, after verifying that the **applicant** is in possession of the eligibility requirements for the construction of **grid plants for connection**.

1A.5.8.7 In compliance with the provisions set forth in Article 1, paragraph 3 of the **MAP** Directive of June 25, 2003, the **Operator** carries out periodic checks on the

authorized **production plants** with thermal power greater than 300 MW which are under construction or transformation, in order to ascertain the expected time for entry into operation of the new power, in relation to the causes of any delays. By the months of May and November of every year, the owners of **production plants** must send the **Operator** an update of the chronological schedules related to construction of the authorized plants. The **Operator** sends to the **MSE** (Ministry of Economic Development) the state of progress of the activities carried out for authorized **production plants,** by the months of June and December of each year.

The **Operator** has the right to develop **technical connection solutions** different from the minimum technical **connection** solutions while respecting all the provisions relating to the financial conditions for the **connection**. In this case, the costs that exceed those corresponding to the minimum technical **connection** solution will be borne by the **Operator**.

1A.5.8.8 If the single authorization procedure or the process to obtain permission to build and operate the **production plant** has had a negative outcome (including cases of impossibility to proceed), the following events will happen, starting from the date in which the information sent by the **applicant** or the authorizing administration was received:

- the accepted **connection** estimate lapses;
- the **Operator** shall refund the portion of the **connection** fee that had been paid on acceptance of the **connection** estimate, plus the legal interest accrued, within the following 45 (forty-five) working days.

1A.5.8.9 If the outcome of the authorization procedure for the construction of a **grid plant for connection** and/or of the authorization procedure for work on the existing grid, when foreseen, if disjointed from the authorization procedure for construction and operation of the **production plant**, is negative, the following occur:

a) if the procedure has been dealt with by the **Operator**:

- the **Operator**, within 45 (forty five) working days from the receiving the said information, informs the **applicant** of the negative outcome and consequent conclusion of the authorization procedure. In addition, the Operator inquires whether the procedure needs to be restarted with a new **connection solution** or whether the **connection** estimate needs to be cancelled paying back the part of the fee that had been paid on acceptance of the estimate, increased by the accrued legal interest;

- no later than 45 (forty five) days after receiving the aforementioned information from the **Operator**, the **applicant** informs the **Operator** of the decisions taken on the subject. Otherwise, the **connection** estimate shall be considered lapsed.

- in turn, the **Operator** shall comply with the requests no later than 45 (forty five) days after receiving the **applicant**'s response;

b) if, on the contrary, the procedure has been dealt with by the **applicant**:

- the **applicant** informs the **Operator** of the negative outcome and consequent conclusion of the authorization procedure, no later than 45 (forty-five) working days after being informed of the negative outcome. The **applicant** shall then request either a new **connection solution** or the lapse of the **connection** estimate together with the refund of the part of the **connection** fee paid on acceptance of the estimate, increased by the accrued legal interest.

- within 45 (forty-five) working days after the date on which the communication was received by the **applicant**, the **Operator** shall comply with the requests.

1A.5.8.10 If the **grid plant for connection**, or part of it, is shared amongst a number of **applicants**, these **applicants** have the right to decide on the management of the entire authorization procedure according to what is described in the **STMG**, informing the **Operator** of this. Otherwise, the **Operator** or the **applicant** that first obtains the necessary permissions, is required to inform the Operator and the other **applicants**.

1A.5.8.11 If the **production plant** is not complete within the time frame laid down in the construction and operation permission, including possible extensions granted by the licensing authority, then the accepted **connection** estimate shall also lapse.

1A.5.9 Methods for construction of the grid plants for connection by the Operator

1A.5.9.1 The relations between the **Operator** and the **applicant** for the **connection,** for the purpose of providing the **connection** service, are regulated through a specific **connection contract**, signed prior to the start of construction of the **grid plants for connection** and on the basis of documentation capable of guaranteeing also observance of the construction times pursuant to the **STMG**.

1A.5.9.2 If the construction is being handled by the **Operator,** and only if the prerequisites exist, the said Operator shall commence the procedure for the construction of the **grid plants for connection** in one of the following ways:

(a) direct construction in the case of new lines, new **electrical substations** and work on existing portions of the **NTG** owned by the **Operator**;

(b) entrusting of the work to the **NTG holder** affected by the work.

1A.5.9.3 In the case of direct construction as per the foregoing paragraph 1A.5.9.2 letter (a) the times and costs for each conventional technical connection solution are indicated in the document *"Soluzioni tecniche convenzionali per la connesione alla RTN – Rapporto sui costi e sui tempi di realizzazione degli impianti di rete"* (Conventional technical solutions for connection to the NTG – Report on the costs and times for the construction of grid plants) which is available on the website www.terna.it, in the Grid Code section.

Once the work on constructing the **production plant** is complete, the **applicant** sends the **Operator** the work completion communication, stating that the work has been completed within the deadline provided for in the authorization for construction and operation including extensions granted by the licensing authority. This communication is made with an affidavit. Within 5 working days after receiving the said affidavit, the **Operator** consequently updates the **GAUDÌ** system.

1A.5.9.4 While awaiting completion of the work on the **NTG** indicated in the **connection** estimate, it is permissible to connect the **production plant** to the **NTG** in transitory operating mode, if the status of the portion of **grid** involved permits this, even with possible limitations on the operating mode.

It is understood that:

- definition of the project and performance of any work that becomes necessary to enable the transitory **connection**, needed specifically for the duration of the same (including any installation of equipment needed to limit the injection power to guarantee the security of the **SEN**), and obtainment of any further authorizations, are chargeable exclusively to the **applicant** for the **connection**;

- the conditions and operating methods for operation of the transitory **connection** are punctually indicated, each time, by the **Operator**.

1A.5.9 bis Methods for construction of the grid plants for connection by Users

1A.5.9 bis.1 Except in cases of disputes or pleadings to the judicial authority, the **Operator** undertakes to bring to completion, normally within 30 days from acceptance of the **STMD** by the **applicant**, the procedure of direct entrustment to other **NTG holders** involved, fixing the terms for construction. The **Operator** is exempt from every responsibility for the lack of or delay in entry into operation of a **grid plant for connection** built by other **Owners of the NTG.**

1A.5.9.bis 2 With reference to the plants for which this possibility is foreseen following the request by the **applicant,** to be presented on acceptance of the **connection** estimate or at the moment of requesting the **STMD**, the **Operator**:

a) allows the **applicant** to build the **grid plant for connection** in the parts that do not entail carrying out work on existing electricity grids, if compatible with the security needs related to the functioning of the **NTG**. If the **grid plant for connection** is functional to the **connection** of more than one **applicant**, the **Operator** shall assess the request also in the other **applicants'** interest, reserving the right to build the **grid plant for connection**;

b) may allow the **applicant** to carry out work on existing electricity grids, without prejudice to security needs and to safeguarding the continuity of the electricity service.

The **Operator** shall send to the **applicant** all the elements necessary to create the **connection** according to the said **Operator's** construction standards, no later than 90 days after formal confirmation that the **applicant** intends to exercise the said option.

In cases pursuant to the present paragraph, the **Operator** prepares in any case the **STMD** so that it may be taken by the **applicant** as the **connection solution** of reference. After acceptance of the **STMD**, the **applicant** shall send the related executive project of the plant to the **Operator**, in order to obtain from the **Operator** the opinion on compliance with the technical requirements. At the same time the **applicant** shall also send the documentation attesting payment of the approval testing charges.

After obtaining a positive opinion on the compliance of the project with the technical requirements, the **applicant** can start the work.

Once the works on constructing the **production plant** is complete, the **applicant** sends to the **Operator**:

- the work completion notice together with all the necessary documentation for the testing, operation and management of the related parts of the **grid**, stating that the work has been completed within the deadline provided for in the authorization for construction and operation including possible extensions granted by the licensing authority. This communication is made with an affidavit. Within 5 working days after receiving the said affidavit, the **Operator** consequently updates the **GAUDÌ** system;

- in cases in which the electricity withdrawn is not intended to be used exclusively for the supply of **auxiliary services** of the **production plant**, an affidavit, signed both by the future producer and by the future **final customer** which attests in what category of **Other Simple Production and Consumption Systems (Altri Sistemi Semplici di Produzione e Consumo - ASSPC)** the plant configuration that will exist downstream of the **connection point** will fall under, following completion of the **connection** procedure. In these cases, if the conditions are met, a communication must also be sent regarding the intention to acquire the qualification of SEU after application to the Energy Services Operator (Gestore Servizi Energetici - GSE).

1A.5.9.9bis.3 If the **grid plant for connection**, or a part of it, is shared by several **applicants:**

a) the **applicants** that share the **grid plant for connection**, or part of it, are required to agree on the option to build the shared part of the **grid plant for connection** on their own or not. The **Operator** defines a time limit for the applicants to make this agreed request and anticipates that the shared part of the **grid plant for connection** shall normally be built by the **Operator** itself if the applicants fail to reach an agreement;

b) if the **applicants** agree to build the shared part of the **grid plant for connection** on their own, they are required to indicate a contact person who will be the only interface with the **Operator**. In this case, the **Operator** provides for the signing of a contract which will govern the timing, the fees and the responsibilities for the construction observing the rules pursuant to the present Chapter.

1A.5.9 bis.4 During work on constructing the **production plant**, the **applicant** sends to the **Operator**, at least every quarter, an update of the construction time schedule of the **production plant**, updating in particular the date envisaged for completion of the work on constructing the said **production plant**.

1A.5.10 Procedure for communication of connection activation and for entry into operation of the production plant

The procedure for communication of **connection** activation and for entry into operation of the **production plant** is distinct for:

a) **production plants** that fall within the scope of application of section 1B of this Chapter of the **Grid Code** (“existing plants”).

   For these plants, when construction of the **plant for connection** is complete, the **Operator** sends the **applicant** the notice of **connection** construction completion and availability for entry into operation of the **connection,** reporting any further obligations which the **applicant** must fulfil so that the **connection** can be activated;

b) **production plants** (limited to **generator groups** of types C and D connected to the NTG) that fall within the scope of application described in section 1C[1] of this Chapter 1 of the **Grid Code** (“new plants”), for which the procedure for entry into operation is divided into three phases, registered by the **Operator** on the **GAUDÌ[2]** system:

   i. the energisation operational notification (EON) that authorizes activation of the **connection**, understood as entry into operation of the **user plant** of the group (therefore excluding the group itself in production operating set-up) and **auxiliary services**. This phase is described in paragraph 1A.5.10.3.1;

   ii. the interim operational notification (ION), that authorizes activation of the **generator group**, understood as energisation, first parallel and interim operation in parallel with grid of the **generator group**. This interim operational notification has the purpose of verifying conformity of the group with the requirements described in section 1C of this Chapter of the **Grid Code**. This phase is described in paragraph 1A.5.10.3.2;

[1] For the purposes described in section 1A of this Chapter 1 of the Grid Code, plants connected/to be connected to the Sardinian **grid** are included in this category of plants. This is conditional on the fact that, as set out in section 1C of this Chapter, they are new plants (not connected at the date of entry into force of the relative European Connection Code; or for which the User has not closed a final and binding contract for purchase of the main equipment within 24 months of the entry into force of the relative European Connection Code) or existing plants, in the case of significant changes or partial/complete overhaul of the plant.

[2] The registration function in GAUDÌ shall be made available following subsequent IT development.

iii. the final operational notification (FON) authorizes final activation of the **generator group**; this phase is described in paragraph 1A.5.10.3.3.

During the period of operation following the FON, as described in paragraph 1A.5.10.3.3, if the **generator group** is temporarily affected by significant changes or loss of capacity, or by anomalies that compromise the functionality required by the Technical Connection Rules, the **generator group** temporarily enters a limited operation regime, formalised via the limited operational notification (LON) as described in paragraph 1A.5.10.3.4, that will be recorded and monitored by the **Operator**.

In cases where the connection service to the **NTG** has been issued through a transitory connection, if passage to the final connection set-up and activation of the new **grid plant for connection** requires changes to the plant in relation to the portion managed by the **applicant**, the operational notification procedure set out in this article (and subsequent) shall be repeated and the **Operator** shall evaluate, on the basis of the plant changes required, which new documents must be provided and which new operational notifications (EON, ION and FON) must be issued.

The operational notification procedure for connection of a “new plant” applies unless there are specific instructions otherwise, to **direct-current merchant lines**.

With reference to type D **generator groups** connected on different **grids** from the **NTG**, the **Operator** will coordinate with the **grid operator** to which the group is connected regarding the procedure for activation of the **connection** and entry into operation of the group.

1A.5.10. 1 Actions required of the applicant for an “existing” plant

In order to activate the **connection**, the **applicant** must:

- have signed with the **Operator** the **Operating Regulations** governing the methods of operation of the **connection site**, the relations between the **Operator**'s operating units and the **User**'s personnel, and any third parties;

- have signed directly or also through interposition of a third party, with the Operator the dispatching service contract;
- have sent to the **Operator** the linear metering diagram and the metering technical schedules related to the **Metering Equipment (Apparecchiature di Misura - AdM)** installed with reference to the **production plant**;
- have carried out the fulfilments related to the supply of electricity;
- have correctly followed the procedure for **connection** to the **grid**, according to the indications of paragraph 1A.5.1 above;
- have sent the work completion notice, prepared as provided for in Article 1A.5.9
- have sent to the **Operator** a sworn expert's report signed by an authorized professional, containing:
  - a report on the dimensions of the earthing plants of the works built by the **applicant**;
  - a test and on-site verification report on the earthing plants, including, if appropriate, the tests in proximity to the earth connections of the **user plant for connection**;
  - the attestation of conformity between what has been built by the **applicant** and what was authorized by the competent Administrations;
  - the attestation of conformity between the state of the art and what was declared by the said **applicant** in the linear metering diagram of the plant and in the metering technical schedules related to the AdMs installed;
  - the attestation of consistency between the data communicated by the **applicant** in **GAUDÌ** and the status of the places, with particular reference to the information related to the **connection point** and to the size of the plants.

It is understood that the **Operator** may require further documentation, on the basis of specific needs.

In the event of changes to the data and information of the **connection documentation**, the **applicant** is obliged to inform the **Operator** promptly, so that the latter may proceed with any activities it is responsible for. In these

cases, therefore, the **Operator** is exonerated from all liability deriving from the non-transmission or incomplete transmission of such data and information.

1A.5.10. 2 Actions required of the Operator for an "existing" plant

1A.5.10. 2.1 In order to activate the **connection**, the **Operator** must:

a) check that the conditions pursuant to paragraph 1A.5.10.1 above have been fulfilled.

b) carry out an on-site inspection of the plant in order to make sure that what was declared by the **applicant** in the linear metering diagram of the plant and in the metering technical schedules related to the AdMs installed by the said **applicant** corresponds to the state of the places;

c) check that the data communicated by the **applicant** in **GAUDÌ** correspond to the state of the places, with particular reference to the information related to the **connection point** and to the size of the plant. In order to carry out the checks pursuant to letters b) and c) above, the **Operator** shall communicate to the **applicant** its willingness to perform the on-site inspection, indicating possible dates. The **applicant** is required to reply to the **Operator**'s communication, communicating promptly the date chosen for the said inspection.

If the **applicant** objects to access of the **Operator's** personnel upon activation of the connection, the latter does not proceed with activation of the connection and suspends the deadline for activation of the connection, providing notification to the **applicant** and to GSE if the production plant may be eligible for incentives.

The **Operator**, upon activation of the connection, prepares an activation report (of failed activation report) for the connection, structured in order to guarantee an accurate description of all aspects arising during on-site verification (description of activities performed and essential information regarding production plant).

1A.5.10.2.2 The **Operator** will carry out the on-site inspection and subsequently communicate to the **applicant** the final result of the inspection.

1A.5.10.2.3 In the case of a positive result of the checks pursuant to the previous point, the

Operator shall allow the first parallel of the plant and activate the **connection**. Following the **connection** of the plant to the **NTG** the **applicant** acquires the right to inject/withdraw electricity into/from the **NTG** within the limits of the **connection power** and observing:

- the connection contract;
- the Technical Connection Rules laid down by the **Operator**;
- the technical and economic conditions for access and interconnection to the **grid** laid down by the **Authority**;
- the Dispatching Rules;
- the other obligations placed on the **User** and contained in the Grid Code.

On activation of the **connection**, the **applicant** must sign a specific declaration in which it acknowledges that the **user plant for connection** is connected to the **NTG.**

1A.5.10.3 Procedure for activation of the connection and energisation of a "new plant"

1A.5.10.3.1 Energisation operational notification (EON)

An EON (energisation operational notification) authorizes the **applicant** to energise its internal grid and auxiliary services without the **generator group** (**direct-current merchant lines**) being able to issue (exchange) electricity with the **NTG**.

In order to obtain the EON, the **applicant** must have completed the activities indicated in the **connection contract** and must have performed the following activities:

i. notification to the **Operator** of completion of works for realisation of the **plant for connection** under its responsibility. In this communication, the **applicant** must provide the sworn expert's report on compliance of plants including the outcome of checks on grounding system and certifications of plant compliance with safety regulations;
ii. signing and sending to the **Operator** of the linear metering diagram and the metering technical schedule related to the **Metering Equipment** (Apparecchiature di Misura - AdM) installed with

reference to the **generator group**, as agreed with the **Operator**; For this purpose, at least six months prior to the date set for activation of the connection infrastructure of the **generator group**, the **applicant** must send the **Operator** all technical details and information useful for preparation of the metering technical schedule;

iii. fulfilment of all obligations relative to the requirement for visibility of the **generator group**. For this purpose, at least nine months prior to the date set for energisation of the connection infrastructure of the **generator group** (and in any case within adequate time for completion of the connection to the control system, based on the specific site characteristics), the **applicant** is required to request activation of the communication systems for remote reading of metering and signals aimed at control by the **Operator** and remote tripping, where compliance is required, in line with Annex 13 to the **Grid Code**;

iv. establishment, directly or via a third party, with the **Operator**, of a contract for the supply of electricity withdrawn;

v. have signed with the **Operator** the **Operating Regulations** governing the methods of operation of the **connection site**, the relations between the **Operator**'s operating units and the **User**'s personnel, and any third parties;

vi. sending to the Operator of plant technical details in observance of the provisions under Annex A.65;

vii. implementation of a calibration plan for the protection system provided by the **Operator**;

viii. sharing with the **Operator** of a testing schedule for the first energisation with definition of personnel authorized by the **applicant** for performance of the actual tests.

Once the activities under the previous points have been completed, the **applicant** requests the **Operator** to issue the EON.

The **Operator**, having completed the connection works under its responsibility and checked that information gathered is complete, issues the EON and subsequently updates the **GAUDÌ** system.

If the tests for initial energisation of the connection are unsuccessful, the **applicant** reports the anomalies encountered and proceeds with a new request for EON emission, as soon as the anomalies encountered are resolved.

1A.5.10.3.2 Interim operational notification (ION)

An ION authorizes the **applicant** to manage the plant and produce electricity using the connection to the grid for a limited period of time. The ION authorizes the **applicant** to perform energisation and first parallel of the **generator group** (HVDC conversion unit in the case of **direct-current merchant lines**) and to operate the **generator group** (HVDC conversion unit in the case of **direct-current merchant lines**), with the main purpose of demonstrating its compliance with the requirements under section 1B of this Chapter of the **Grid Code**;

To obtain the ION, the **applicant** must first:

i. have obtained the EON from the **Operator**;
ii. have notified the **Operator** of completion of the works for realisation of the **generator group** with an affidavit as per the indications under paragraph 1A.5.9;
iii. have updated, if necessary, the **Operating Regulations** for operation in parallel with the grid, for the parts modified compared to the EON.
iv. have sent the **Operator** the further plant technical data indicated in Annex A.65 in order to obtain the ION;
v. have permitted the **Operator** to perform an on-site inspection of the plant in order to make sure that what was declared by the **applicant** in the linear metering diagram of the plant and in the metering technical schedules related to the AdMs installed by the said **applicant** corresponds to the state of the places;
vi. have established, directly or via a third party, a contract for input dispatching activity;
vii. have sent the **Operator** the plant simulation models (generator group, conversion station and HVDC system in the case of **merchant lines**) as specified in section 1C of this Chapter of the **Grid Code**;
viii. have performed and sent the **Operator** simulations demonstrating the

performance specifications expected in steady-state and dynamic modes, as specified in section 1C of this Chapter of the **Grid Code**;

ix. have agreed with the **Operator**, at least one month prior to the start set for testing, a schedule with the group under load during provisional operation and regarding:
   - live testing energised for remote reading of meters;
   - live testing energised for remote reading of metering and signals aimed at control by the **Operator**;
   - live testing energised for remote tripping where compliance is required;

x. have agreed a schedule with the Operator for testing to be performed during the ION phase. These tests consist of compliance testing as specified in chapter 1C of the **Grid Code**;

xi. have provided any further documentation required by the **Operator**.

Once the activities under the previous points have been completed, the **applicant** requests the **Operator** to issue the ION.

The **Operator**, having approved the documentation provided, issues the ION and subsequently updates the **GAUDÌ** system.

Regarding specific time frames and extensions for issue of the ION, the following applies:

a) validity of the ION issued by the **Operator** cannot exceed 18 months. During the period of validity of the ION, the **applicant** must perform the tests as per the agreed schedule.

   The compliance testing indicated above (subsection x) must be performed in compliance with the provisions of the Technical Connection Rules and Annex A.18, and under the monitoring and responsibility of a specific certification body, accredited according to standard CEI UNI EN ISO/IEC 17065 to issue generator group certifications.

   In the event of non-performance or negative outcome of one of the tests indicated in the previous subsection x of this paragraph, the **applicant** shall submit an updated testing schedule to the **Operator** within two weeks of the date set for repetition of the test. In any case, resolution of problems encountered shall be entirely the responsibility of the **applicant**.

b) Within 30 days of the ION expiry, and having completed all activities required (with particular reference to compliance testing), the **applicant** shall then send the **Operator** the following documents:

i. declaration of compliance issued by the Manufacturer/Installer, attesting:
   - observance of the technical requirements as per the Technical Connection Rules (section 1C of this Chapter of the **Grid Code**);
   - installation of components and materials manufactured to correct standards, certified and suitable for the installation site;
   - compliance of the group in terms of safety and functionality;

ii. report on the methods for execution of compliance testing;

iii. verification report on outcome of testing, prepared by Accredited Institution;

iv. update of simulation models submitted during the ION request phase on the basis of outcome of testing.

If the **Operator**, having assessed the documentation received, identifies a non-conformity in relation to one or more technical connection requirements:

- on request of the **applicant**, the **Operator** agrees on an extension with the former of the ION to allow continuation of the procedure for achievement of full compliance of the group. In such cases, the **applicant** must demonstrate that it has made significant progress in relation to the initial schedule and to have the capability to achieve full compliance of the group; or
- The **applicant** requests a derogation in relation to application of the connection requirement for which it is impossible to achieve full compliance. In the latter case, the provisions of Chapter 14 of the **Grid Code** apply.

1A.5.10.3.3 Final operational notification (FON)

An FON authorizes the **applicant** to use the connection to the grid and authorizes the input (exchange, in the case of direct current **merchant lines**) of electricity, having fulfilled all obligations in the previous phases described in paragraphs **1A.5.10.3.1** and **1A.5.10.3.2**, without prejudice to the provisions of

paragraph 1A.5.10.3.4.

Within the validity period of the ION, the **Operator**, having approved the group for participation in the **energy market** and verified the documentation provided and compliance of the group (with the exception of any derogations permitted in compliance with the provisions of Chapter 14 of the **Grid Code**), issues the FON and subsequently updates the **GAUDÌ** system. In the case of non-compliance of the group, if derogation is not permitted, the **Operator** has the right to refuse authorization for operation of the group until the **applicant** has resolved any incompatibility and the **Operator** considers it to be compliant with the Technical Connection Rules as per section 1C of this Chapter.

1A.5.10.3.4 Limited operational notification for a "new plant"

In the event that a **generator group**, for which the FON has already been issued, is temporarily involved by problems that compromise observance of the technical requirements set out in section 1C herein, the **user** is required to provide prompt notification to the **Operator**. This notification, in addition to describing the specific nature of the problem encountered, must also indicate the estimated time frame for its resolution and restoration of normal group operating conditions.

In the event that the time frame for resolution of the problem is greater than three months, the **user** requests the **Operator** to issue a LON. The LON request by the **user** must be accompanied by a description of the solution defined for resolution of the anomaly encountered. The **Operator**, having approved the documentation received, issues the LON communication. During the validity period of the LON, the FON is suspended.

A LON contains the following information, that are clearly identifiable:

i. unresolved matters that justify issue of the LON;
ii. responsibilities and implementation times for the planned solution;
iii. maximum validity period no greater than 12 months. The period initially assigned may be shorter and can be extended subject to positive assessment by the **Operator** of elements presented to it demonstrating significant progress made towards compliance;

iv. compliance testing that the **user** has to perform to demonstrate resolution of the issue;

Within the LON validity period, the **user** will provide adequate documentation (and certification where requested) on the outcome of tests performed following resolution of the problem and will update, where applicable, the data provided to the **Operator** in line with Annex A.65.

Further extension of the LON validity period may be permitted in the event of a request for derogation presented in compliance with the indications of the previous Chapter 14 of the **Grid Code**.

If, at the end of the LON validity period, the problem has not been resolved, the **Operator** may refuse authorization of operation of the **generator group**.

1A.5.10.bis Transfer of the connection procedure

1A.5.10.bis.1 The party wishing to acquire a currently valid **connection** procedure may, at any phase of the **connection** procedure, request the **Operator** for transfer of the procedure, following the indications below.

The request for transfer of a **connection** procedure must be prepared in the form of an affidavit. This must contain:

a. the traceability code of the **connection** procedure subject to transfer;
b. the CENSIMP code of the **production plant** to which the **connection** procedure to be transferred applies, if the plant has already been registered on the **GAUDÌ** system;
c. the type of transfer, i.e.:
    1. change only of the applicant, if different from the **producer** associated with the **production plant** subject to the **connection** procedure;
    2. change only of the **producer** associated with the **production plant** subject to the **connection** procedure, if different from the applicant;
    3. change of both parties indicated in the previous points. These circumstances include transfers where the **applicant** and

producer are a single party.

d. the date from which it is requested that the transfer take effect;

e. the ID details of the transferee and the transferor. For this purpose, the request must at least contain the data specified in paragraph 1. A.5.3. lett. bb) e cc), for both parties;

f. in the event of change only of the **applicant**, copy of the representation mandate issued by the **producer** to the transferee (new applicant);

g. in the event of change only of the **producer**, copy of the representation mandate issued by the transferee **producer** to the **applicant**;

h. declaration of the transferee that it has:

- viewed and accepted all conditions set out in the documentation already signed by the transferor;
- access to the installation site of plants for the production of electricity;
- ownership of authorizations (to be attached to the declaration itself) involved in the procedure in question already issued by the relative authorities;

i. the declaration of the transferor containing necessary clearance for successful closure of the transfer with validity from the date indicated in the transfer request and agreed with the transferee;

j. documentation proving payment of the fee covering administrative charges as detailed in Article 28, paragraph 28.1 of the Consolidated Connections Act.

1A.5.10.bis.2 The Operator, within 10 working days of the date of receipt of the transfer request, verifies correspondence in its systems between the details in the transfer request and those in its own possession, that the transfer request is compliant with the provisions of the previous paragraph 1A.5.10.bis.1 and that it contains all the aforementioned information. If these checks have a positive outcome, the **Operator**, within ten days:

- notifies the transferee that the transfer process of the **connection** procedure has been successfully completed and that from the date indicated in the transfer request as per letter d), paragraph 1A.5.10.bis.1,

the transferee takes ownership of the procedure;

- notifies the transferor that, from the data indicated on the transfer request as per letter d) of paragraph 1A.5.10.bis.1,, the **connection** procedure subject to transfer is no longer under its ownership;
- updates the **GAUDÌ** system in the event of change only of the **producer** and in the event of change both of the **applicant** and the **producer**, it updates the transferee **producer** details and association between these details and those of the **production plant** subject to the **connection** procedure transferred from the date on which the transfer becomes effective.

In the event that verification has a negative outcome, the **Operator**, within ten days, notifies the transferee and the transferor of this outcome of the verifications performed, specifying the reasons.

1A.5.11 Summary of the economic conditions for connection

1A.5.11.1 Upon submitting the **connection application**, the **applicant** must pay the **Operator** the fee for obtaining the **connection** estimate in the fixed amount of €2,500 (excluding VAT).

1A.5.11.1bis Upon acceptance of the **connection** estimate, the **applicant** shall pay an amount equivalent to 30% of the **connection** fee to the **Operator**, as described in paragraph 1A.5.11.4.

1A.5.11.2 Following acceptance of the **connection** estimate, the **applicant** must pay the **Operator** the following fees indicated by the **Operator** according to principles of transparency and non-discrimination, in the **connection** estimate:

(a) when it is the **applicant** that completes the procedure for authorization of the **grid plants for connection** and for any work on the existing electricity grids:

i. a fee for verification and evaluation activities associated with the issuance of the opinion verifying the compliance of the project with the technical requirements pursuant to the Grid Code, including the Technical Connection Rules as set forth in this chapter, before its

submission to the appropriate authorities, if the said project is developed by the **applicant**, or

ii. a fee for preparation of the documentation for authorization if the **applicant** avails itself of the **Operator's** consultancy. As far as **production plants** powered by renewable sources and **high-performance co-generation plants** are concerned, this fee is limited to the costs incurred by the **Operator** for preparation of the documentation to be presented in relation to the procedure only for the **grid plant for connection**;

(b) when the authorization procedure for **grid plants for connection** and for any work to be performed on existing electricity grids is not being carried out by the **applicant**, a fee for the handling by the **Operator** of the authorization procedure and for the development of the necessary projects. This fee shall be paid by the **applicant** to the said **Operator** before management of the authorization procedure begins. As far as production plants powered by renewable sources and **high-performance co-generation plants** are concerned, this fee is limited to the costs incurred by the **Operator** for the authorization procedure only for the **grid plant for connection**.

1A.5.11.3 At the moment of requesting the **STMD**, the **applicant** must pay the **Operator** the fee for processing of the **STMD** which is determined on the basis of the type of plant:

(a) **Production plants** powered by sources that are not renewable nor high-performance co-generation:

Fixed fee	*Variable fee*	*Maximum limit*
€ 2,500	0.5 €/kW	Euro 50,000

To calculate the variable fee, the power to be used for reference shall be the power for connection purposes.

(b) **Production plants** that are powered by renewable sources and **hybrid power plants** that comply with the conditions under Article 8, paragraph

6 of Italian Legislative Decree No. 387/03: for this type of plant, the fee related to the processing of the **STMD** is reduced by 50% with respect to the amount in the foregoing letter a).

Also the maximum ceiling indicated therein shall accordingly be reduced by 50%.

(c) **High-performance Co-generation plants:** for this type of plant the fee for processing of the **STMD**, under letter a), is reduced by 20% with respect to the amount set out in letter a). The maximum ceiling indicated in letter a) will accordingly be reduced by 20%.

1A.5.11.4 Following acceptance of the **STMD,** the **applicant** must pay 70% of the **connection** fee according to the provisions of the **connection contract**.

The **connection** fee is determined taking into consideration:

i. the type of plant to be connected (divided into the categories as per paragraph 1A.5.11 .3 letters a, b and c);

ii. the construction costs related to the **grid plants for connection** and the work on the existing electricity grids except for work related to the **NTG**.

iii. the value of the operational conventional maximum power under normal definitive operating conditions, on the basis of the voltage level of the conventional technical **connection** solutions under paragraph 1A.4, in the following table:

Voltage level (kV)	*Conventional maximum power (kVA)*
380	1,777,000
220	476,000
150	325,000
132	286,000
120	260,000

Conventional power for calculation of the connection fee

(a) For **production plants** powered by sources that are not renewable nor high-performance co-generation: the **connection** fee is equal to costs for the construction of the **grid plant for connection** and any work on existing electricity grids, excluding any work related to the **NTG**.

(b) For plants powered by renewable sources and hybrid power plants that comply with the conditions stated in Article 8, paragraph 6 of Italian Legislative Decree No. 387/03: the **connection** fee is equal to the product of:

i. The higher amount between zero and the difference between the construction costs of the **grid plant for connection** and the threshold parameter as per Table 1 below

and

ii. the ratio between the **power for connection purposes** and the conventional maximum operating power of the **grid plant for connection**.

PCL	100,000 €/km
(Parameter for Cable Line)	*(up to a maximum of 1 km)*
POL	€40,000/km
(Parameter for Overhead Line)	*(up to a maximum of 1 km)*

Table 1

For mixed compositions (i.e.: both overhead lines and cable lines) the maximum figure of 1 km should be understood as only once for the entire line. The contributions to the threshold shall be determined in proportion to the actual lengths of the two sections of the line.

(c) for **high-performance co-generation plants** the **connection** fee is equal to the product of:

i. the construction costs of the **grid plant for connection** and

ii. the ratio between the **power for connection purposes** and the conventional maximum operating power of the **grid plant for connection**.

1A.5.11.4bis In the case of **hybrid power plants** for which the same fee for processing of the **STMD** and the same **connection** fee applied to **production plants** powered by renewable sources have been applied, the **applicant** sends to the Operator, as well as to the **GSE** annually, up to the third calendar year inclusive after entry into operation, an affidavit containing any attestation of observance, or non-observance, of the conditions pursuant to Article 8, paragraph 6, of Italian Legislative Decree No. 387/03 on the basis of the real **operating** data. For each year in which the conditions stated in Article 8, paragraph 6 of Italian Legislative Decree No. 387/03 have not been fulfilled, the **applicant** shall pay the **Operator**:

- 30% of the difference between the fee for processing of the **STMD** envisaged for **production plants** powered by sources that are not renewable nor high-performance co-generation pursuant to paragraph 1A.5.11.3 letter a) and the fee for processing of the **STMD** envisaged for **production plants** powered by renewable sources pursuant to paragraph

1A.5.10.3 letter b);

- 30% of the difference between the **connection** fee envisaged for **production plants** powered by sources that are not renewable nor high-performance co-generation pursuant to paragraph 1A.5.11.4 letter a) and the **connection** fee envisaged for **production plants** powered by renewable sources pursuant to paragraph 1A.5.11.4 letter b).

For **high-performance co-generation plants**, the **applicant** must send, to the **Operator** and to the **GSE**, a notice similar to the one described in Article 8, paragraph 2 of the Ministerial Decree of September 5, 2011, on an annual basis, until the third year after the entry into operation of the plant, on the basis of the final operating data for each of the sections which constitute the **production plant**. For each calendar year in which at least one section is not high-performance co-generation according to the final data, the **applicant** shall pay, to the **Operator**:

- 25% of the difference between the fee for processing of the **STMD** envisaged for **production plants** powered by sources that are not renewable nor high-performance co-generation pursuant to 1A.5.11.3 letter a) and the fee for processing of the **STMD** envisaged for **high-performance co-generation plants** pursuant to 1A.5.11. 3. letter c);

- 25% of the difference between the **connection** fee envisaged for **production plants** powered by sources that are not renewable nor high-performance co-generation pursuant to paragraph 1A.5.11.4 letter a) and the **connection** fee envisaged for **high-performance co-generation plants** pursuant to paragraph 1A.5.11.4 letter c).

1A.5.11.5 For **production plants** powered by renewable sources and for **high-performance co-generation plants**, in the cases in which the construction of the **grid plants for connection** and of any work on existing electricity grids is carried out by the **applicant**, the **Operator**, no earlier than activation of the initial **connection** to the grid plant subject to purchase by the **Operator**, following

signing of the deed of acquisition relative to works carried out, shall refund to the **applicant** the portion of any **connection** fee already paid by the said **applicant** , plus the legal interest. Furthermore, in such cases, the **Operator** shall pay the **applicant** a fee equal to the difference, if positive, between the average cost for building the works carried out by the applicant - grid plant for connection and/or any work on existing electricity grids - and the **connection** fee under paragraph 1A.5.11.4 letter b) or c). The average cost for building the **grid plant for connection** and/or any work on existing electricity grids, is conventionally defined by the **Operator** and indicated in the **STMD**. The conditions for payment of the said fee, which in any case provide for a time frame of no longer than 5 years from completion of the **STMD**, are defined in the **connection contract**. Should there be any delay, the legal interest shall be applied.

1A.5.11.6 For **production plants** powered by renewable sources and **high-performance co-generation plants**, an **applicant** that builds the **grid plant for connection** and/or carries out any work on existing electricity grids must pay the costs connected to the approval testing and the subsequent acceptance by the **Operator** itself according to the procedures set forth in the **connection contract**, even when the outcome is negative.

Type of fee		**When it must be paid**
Fee for obtaining the connection estimate		At the moment of the connection application
Fee for changing the connection estimate		At the moment of the request for changes to the connection estimate, if this request is made by the **applicant**
Fee for verification and evaluation activities for the purpose of issuance of the opinion on compliance of the project with the technical requirements pursuant to the Grid Code		At the moment of presentation to the **Operator** of the project for the **grid plants for connection** and for any work on existing electricity grids, if the **applicant** does not avail itself of the **Operator's** consultancy in preparing the project documentation to be submitted for the purposes of the authorization procedure

Fee for preparation by the **Operator** of the documentation for authorization purposes		After acceptance of the connection estimate, if the **applicant** avails itself of the **Operator's** consultancy in preparing the project documentation to be submitted for the purposes of the authorization procedure of the **grid plants for connection** and of any work on existing electricity grids
Fee for performance by the **Operator** of the authorization procedures		After acceptance of the connection estimate, when it is the **Operator** that completes the procedure for authorization of the grid plants for connection and for any work on the existing electricity grids:
Fee for processing of the STMD		At the moment of requesting the **STMD**
Connection fee		At the moment of accepting the connection estimate (30%) and at the moment of accepting the STMD (70%)

List of fees provided for in the procedure for connection of production plants and merchant lines

1A.5.12 Methods for communications and for payments – general rules

1A.5.12.1 **Connection applications** and all other notifications transmitted between the **Operator** and the **applicant** shall be sent through the dedicated application on the **Operator's** website.

1A.5.12.2 If necessary, the **Operator** shall have the right during any of the phases of the **connection** process to ask the **applicant** for any further specific clarifications and/or documentation. In this case, all the terms imposed by the procedure are momentarily suspended until the documents requested have been received. Furthermore, if the **Operator** deems that certain **connection applications** need to be studied in more depth, then the **Operator** shall notify the deferment of the response times in writing to the **applicant** as well as justifying it appropriately.

1A.5.12 .4In all cases in which **connection applications** are rejected or have lapsed, sending a new **connection application** means that all the documentation must once again be submitted, and the fee for obtaining the **connection** estimate provided for in paragraph 1A.5.11.1. must once again be paid. In this case, the **Operator** will assign a different identification number to the **connection application**.

1A.5.13 Automatic indemnity

1A.5.13.1 Should the **connection** estimate or the **STMD** not be made available within the times respectively under paragraphs 1A.5.2.1. and 1A.5.8.4, or should the time frames not be met as established in Article 35 of the **TICA** as related to the means of coordination amongst **grid operators** when the **connection** is carried out on the grid managed by the **grid operator** to which the **connection application** was submitted, entailing work on the grids managed by other **grid operators**, then the **Operator**, excepting reasons of force majeure or reasons ascribable to the **applicant** or to third parties, must pay to the **applicant** an automatic indemnity equal to 20 €/day for every day of delay.

1A5.13.2 Automatic indemnity shall be paid by the **Operator** to the **applicant** within 30 (thirty) days from the date of carrying out the required service for which there was a delay. If the automatic indemnity is not paid by the **Operator** in the above time-frames, the automatic indemnity shall be increased by € 10 for each working day of the delay. If the delay in providing the indemnity exceeds 90 (ninety) days of the calendar year, the automatic indemnity to be paid shall be increased by 40 euro for each extra working day of the delay.

1A.5.13.3 The consequences for delays in building the **grid plants for connection** and any work on the existing electrical grids are set out in the **connection contract**.

1A.5.14 Forms and facsimiles

1A.5.14.1 **Connection applications**, acceptance of the minimum technical **connection** solutions, the subsequent contractual obligations on the part of the **applicant** and the guarantees as well as, in general, all documentation necessary for **connection**, must be in accordance with the forms available on the **Operator's** website**.**

1A.5.15 Coordination amongst Operators

1A.5.15.1 If coordination with the other **grid operators** is needed for the management of a **connection application** and, in particular, if:

- the **connection** needs to be made to a **grid** that is not the **grid** managed by the **grid operator** to which the **connection application** has been submitted and/or

- the **connection** is made to the **grid** that is managed by the **grid operator** to which the **connection application** has been submitted, entailing work on **grids** managed by other **grid operators**;

then the **Operator** shall suitably coordinate the other **grid operators** involved, according to procedures agreed between the operators themselves, and observing the provisions of Articles 34 and 35 of the **TICA** published on the **Operator**'s website at the following address: http://www.terna.it/default/Home/SISTEMA_ELETTRICO/Connessioni_Rete/Coordinamento_GESTORI_rete.aspx. In the event of **connections** to **grids** managed by other parties and used by the **Operator**, the **connection** service is

issued by the **Operator**, in coordination with the **grid operators** of the aforementioned **grids**, on the basis of special agreements under the terms of article 2.3 of the **TICA**.

1A.5.16 Open season

1A.5.16.1 For the areas included in the directory of critical areas, the **Operator** can provide for activation of the open season, lasting 6 (six) months for **connection applications**. In these cases, the time frames foreseen in relation to the availability of the **connection** estimate and/or the time frames related to the coordination between **grid operators** mentioned in the previous paragraph, have effect from the working day following the open season end date, as published by the **Operator**. The **Operator**, after notification to the **Authority**, publishes the start and end date of the open season at least one month in advance. Publication one month in advance after the end of the previous open season is not necessary when the area considered is still listed as critical.

1A.5.17 Overview of lapsed estimate situations

1A.5.17.1 The cases of lapse of the **connection** estimate or failure to complete the **connection** estimate acceptance, already presented in the present chapter, are listed below:

The **connection** estimate lapses totally or partially, in the following cases:

a. failure to accept the **connection** estimate within its period of validity (120 days after the notification by the **Operator** of the connection estimate, that is, from the notification described in paragraph 1A.5.3.1);
b. failure to accept the new **connection** estimate, prepared under the terms of Articles 33.5 and 33.6 of the **TICA**, within 30 (thirty) days from the date when the **connection** estimate was received;

c. failure to pay 30% of the **connection** fee on acceptance of the **connection** estimate.

d. failure to submit the request to start the authorization procedure within the deadline specified in paragraph 1A.5.6.2 bis in the case of plants not subject to the single procedure or in paragraph 1A.5.7 in the case of plants subject to the single procedure, that is 120 working days for **HV connections** and 180 working days for **EHV connections** from the date of acceptance of the **connection** estimate;

e. negative outcome (including cases of impossibility to proceed) of the single authorization procedure or of the authorization procedure for building and operating the **production plant**, under paragraph 1A.5.8.8. This lapse has effect from the date on which the related information sent by the **applicant** or by the authorizing Administration has been received;

f. failure to complete the **production plant** within the time frame provided for in the building and operation authorization – including any extensions granted by the licensing authority, under paragraph 1A.5.8.11.

g. negative outcome of the authorization procedure for construction costs of the **grid plant for connection** and/or for work on existing electricity grids, when foreseen, if the **applicant** does not ask for the procedure to be restarted through a new **connection solution** or does not cancel the **connection** estimate; after a reminder from the **Operator**, failure to communicate the start of work on the construction of the **production plant** within 18 months from the date of acceptance of the **connection** estimate with the exception of cases of impossibility due to failure to complete the authorization procedure either for reasons of force majeure or for reasons that cannot be ascribed to the **applicant**, pursuant to paragraph 1A.5.4.1;

h. failure to inform the **Operator**, every six months as stated in paragraph 1A.5.4.1, after a reminder from the **Operator**, on the progress of the **connection** procedure if the time frame referred to in the previous paragraph cannot be met because of failure to complete the authorization procedure either owing to force majeure or for reasons that cannot be ascribed to the **applicant**;

i. in the event that upon completion of the authorization procedure beyond the time limits prescribed in paragraph 1A.5.3. ter 1 (270 working days from the acceptance date) and in the absence of a positive opinion from the **Operator** referred to in paragraphs 1A.5.3 ter 4 and 1A.5.3 ter 5 the **Operator** ascertains the infeasibility of the authorized **STMG**.

1A.5.18 Information flows

1A.5.18.1 The information flows related to activation and construction of the **connection** as well as to the commercial viability of the plant are governed by Articles 23 and 36 of the **TICA** as well as by the **connection contract**.

1A.6 PROCEDURE FOR THE CONNECTION OF PLANTS CORRESPONDING TO GRIDS WITH THIRD-PARTY CONNECTION OBLIGATIONS

1A.6.1 Methods for submitting connection applications

1A.6.1.1 **Applications for connection** to the **NTG**, made by the **applicant**, are to be presented to the **Operator** in writing.

1A.6.1.2 **Connection applications** must include explicit information concerning:

(a) the **applicant** with the related identifying data;

(b) the type of plant to be connected to the **NTG**;

(c) the voltage level of the **grid** to be connected to the **NTG** and the possible need to interpose voltage transformers;

(d) a cadastral plan of the work, if available, showing the location of the plant;

(e) the purpose of the new plant and any critical issues;

(f) the **grid diagram** to be connected to the **NTG** with an indication of any other existing **connections** of the same to the **NTG**, the interconnections with **other grids with third-party connection obligations** and connections to **other electrical grids**;

(g) the installed power or the **transport capacity** in the **connection point** which is the subject of the **connection application** itself, and the information referring to the portion of the **grid** in question as per Chapter 2, paragraph 2.5.4 of this Grid Code;

(h) the power/change of power withdrawn/injected in full operation and any reduction of power withdrawn in full operation by the other **primary distribution stations** which involve the same portion of **grid**.

(i) the proposal of the type of **connection** scheme, making reference to the Technical Connection Rules and to the clauses and conditions contained therein, as per section 1B of this chapter, without prejudice to the fact that the **connection solution** is, in any case, defined by the **Operator**;

(j) the interconnection with the **MV grid** and the re-feedability of the **MV grid**, specifying in particular the degree of counter-feeding of the plant in the event of outage on the **HV grid**;

(k) the scheduled date of entry into operation of the plant;

(l) unconditional and irrevocable acceptance of all provisions in this Grid Code.

1A.6.1.3 In the case of incomplete **connection applications**, the **Operator** requires the **applicant** to supplement the **connection application** indicating the elements needing additional information. The supplement must be received by the **Operator** within the following 60 (sixty) days. After this deadline has passed, if the supplementary documentation has not been received, the **connection application** will lapse.

1A.6.2 Methods and response times of the Operator

1A.6.2.1 Following a **connection application,** the **Operator** elaborates an **STMG** and notifies the **applicant** of this within 90 (ninety) days from the date of receiving the **connection application**.

1A.6.2.2 If a portion of the **grid with third-party access** to be connected to the **NTG** is interconnected with other **grids with third-party access**, which are different from the **NTG**, the **Operator**, if appropriate, shall perform a general evaluation of the possible effects of the connection to the **NTG** on the said other **grids with third-party access**.

1A.6.2.3 The **Operator** shall also identify, for each of the **STMGs** proposed, the parts of the **plant for connection** corresponding to the **NTG plant** and communicate to the **applicant** a preliminary estimate of the **connection** costs

related to the **NTG plants**.

1A.6.2.4 Following the **Operator**'s communication of the **STMG**, the **applicant** has the right within the following 60 days to make any observations concerning the **STMG(s)** indicated. The **Operator** will communicate to the **applicant party**, as a rule within another 60 days, its own evaluations concerning the above observations.

1A.6.3 Methods and terms for acceptance of the STMG

1A.6.3.1 The term for the acceptance of the **STMG** on the part of the **applicant** is set within and no later than 120 (one hundred and twenty) days from the notification by the **Operator** of the said **STMG** or from the notification pursuant to paragraph 1A.6.2.4 above; otherwise the application will lapse.

1A.6.3.2 Except where provided for in Chapter 12 of this Grid Code, the above acceptance exempts the **Operator** from all of the obligations regarding confidentiality pertaining to the initiative for which the **connection** to the **NTG** has been requested.

1A.6.3.3 With the acceptance of the **STMG** the **applicant** assumes the responsibility for any fees which may result from the modification of telecommunications systems as a result of **interference**, pursuant to Article 95 paragraph 9 of Italian Legislative Decree 259/03,

1A.6.4 Fulfilments following acceptance of the STMG

1A.6.4.1 Following acceptance of the **STMG**, the **applicant** shall agree with the **Operator** on a general time schedule for carrying out the work and may request, in the cases outlined in paragraph 1A.6.4.2 below, to directly handle the authorization procedures not only for **non-NTG plants** but also for **NTG plants for connection**, preparing the necessary projects according to the indications in paragraph 1A.6.5.2 below.

1A.6.4.2 The **Operator** shall identify the type of **NTG plants for connection** for which the **applicant** may directly handle the authorization procedures until the authorization has been granted.

1A.6.4.3 The **Operator** shall provide for construction of the **NTG plants for connection**; the **applicant** shall provide for construction of the **non-NTG plants**.

1A.6.4.4 In the case under paragraph 1A.6.4.2 above, the **applicant** shall prepare the necessary plans on the basis of the documents under paragraph 1A.6.7.1 below.

1A.6.5 Rules governing planning for authorization purposes

1A.6.5.1 If the Operator is handling the procedure for the authorization of the **NTG plants for connection**, the **applicant** must conventionally regulate with the **Operator** the rights and obligations of the parties concerning the planning and the authorization procedure of the **plants for connection** including the related economic costs.

1A.6.5.2 If the planning and authorization stage is dealt with by the parties on their own for the work they are respectively responsible for, once the definitive location of the site of the plant has been identified, the **applicant** shall communicate to the **Operator** the land registry details and the cadastral plan of the site providing also the project documentation of its plant.

On the basis of the definitive location of the site of the plant, as communicated by the **applicant**, if necessary and in the event of significant differences with respect to the location initially proposed, the **Operator** reserves the right to modify the initial **STMG**, informing the **applicant** of this promptly.

1A.6.5.3 If the authorization procedure for the **NTG plants for connection** is being handled directly by the **applicant** pursuant to section 1A.6.4, the **applicant** shall prepare plans for the **NTG plants for connection** on the basis of the **Operator's** technical standards and shall undertake unconditionally and irrevocably to:

(a) submit the plan for the **NTG plant for connection** to the **Operator** in order for the latter to issue its opinion concerning compliance with the **Operator**'s technical requirements, including the Technical connection rules, before forwarding it to the competent Authorities;

(b) keep the **Operator** constantly informed of the stage of progress of the authorization procedure;

(c) bear the economic burden related to the authorization procedure;

(d) transfer, free of charge, the authorization for the **NTG plants for connection** to the **Operator** for completion of the fulfilments it is responsible for as set out in paragraph 1A.6.6.3 below, including the rights and obligations linked associated with it or deriving from it;

(e) *[optional]* make available, free of charge, to the **Operator** the plan for the **NTG plants for connection**, as authorized, so as to allow for the completion of the procedures set out in paragraph 1A.6.6.3 below for the construction of the same.

1A.6.5.4 If during or on completion of the authorization procedure, there is found to be a need for significant changes to the **STMG** already previously accepted by the **applicant**, the **Operator** shall promptly inform the **applicant** for the appropriate considerations.

1A.6.5.5 If the construction of the **NTG plants for connection** involves developing a portion of the existing **NTG**, which cannot be made available by the **Operator**, and, therefore, such that it must be directly entrusted to an **NTG holder** different from the **Operator**, without prejudice to the rules set out in paragraph 1A.6.5.3 above, the **applicant** unconditionally and irrevocably undertakes to request from the **NTG holder** the plan concerning the portion itself or to draw up the said plan in agreement with the said **NTG holder**.

1A.6.5.6 In the event of failure to comply with even part of the undertakings in the previous paragraphs, and in any case up until the signing of the **connection contract** as per paragraph 1A.6.6.1 below, the **Operator** will not undertake to build the plants.

1A.6.6 Economic terms, timelines and conditions

1A.6.6.1 For the purposes of the construction of the **plants for connection** including the economic costs related to the **connection**, the relationship between the **Operator** and the **applicant** shall be regulated by a special **connection contract** to be signed after obtaining the authorizations for construction of the **NTG plant for connection**.

1A.6.6.2 In the event of construction of plants for interconnection between grids, the **Operator** shall obtain recovery of the related costs through the investment remuneration detailed in the " Testo Integrato delle disposizioni dell'Autorità per l'energia elettrica e il gas per l'erogazione dei servizi di trasmissione e distibuzione di energia elettrica"

1A.6.6.3 After the contract has been signed the Operator shall begin its duties for the construction of the **NTG plants for connection** by means of one of the following procedures:

(a) direct construction in the case of new lines, new **electrical substations** and work on existing portions of the **NTG** within the availability of the **Operator**;

(b) entrusting of the construction work to the **NTG holders** in question.

1A.6.6.4 The **Operator** shall be exempted from any liability for failed or delayed entry into operation of the **NTG plant for connection** constructed by other **NTG Owners.**

By the end of May and November of every year, **applicants** must send the **Operator** an update of the time schedules related to construction of the authorized plants.

1A.6.7 Conventional technical solutions for construction of plant connections

1A.6.7.1 The conventional technical solutions for **connection** of the **plants for connection** adopted by the **Operator** are indicated in the document A.2 "Guide to connection schemes" pursuant to Appendix A to the present chapter.

1A.6.7.2 In any case, the **Operator** reserves the right to identify connection solutions other than those under paragraph 1A.6.7.1 above, should technical reasons justify a connection solution.

1A.6.8 Identifying plants for connection

1A.6.8.1 In the context of the conventional technical solutions for the **connection**, pursuant to paragraph 1A.6.7.1 above, connections in antenna between the **NTG** substation and the applicant's substation are normally considered **non-NTG plants**. In any case, the **Operator** shall identify the parts of the apparatus corresponding to the **NTG plant for connection** on the basis of the management and development needs of the **NTG**.

1A.6.9 Technical standards and project specifications

1A.6.9.1 The technical standards and the project specifications under paragraph 1A.4.4 , which are herein incorporated in full, shall be applied to connections with **grids with third-party connection obligations**.

1A.6.10 Notification

1A.6.10.1 **Connection applications** and all other notifications transmitted between the **Operator** and the **applicant** shall be sent through the dedicated application on the **Operator's** website.

1A.6.10. 2 The **Operator** informs the **applicant** of the identification code related to the **connection**. This code needs to be indicated by the **applicant** itself in each of the subsequent notifications as well as the name and address of the person within the **Operator** accountable for the whole procedure related to the **connection**.

1A.6.10.3 If necessary, the **Operator** shall have the right during any of the phases of the **connection** process to ask the **applicant** for any further specific clarifications and/or documentation. In this case, all the terms imposed by the procedure are momentarily suspended until the documents requested have been received. Furthermore, if the **Operator** deems that certain **connection applications** need to be studied in more depth, then the **Operator** shall notify the deferment of the response times in writing to the **applicant** as well as justifying it appropriately.

1A.6.11 Procedure for the activation of connection and energising of a plant corresponding to grids with third-party connection obligations

For plants corresponding to grids with third-party connection obligations that fall within the scope of application of section 1C of this Chapter of the **Grid Code** (new **consumption units**), the energisation procedure is divided into three phases:

i. energisation operational notification (EON)
ii. interim operational notification (ION)
iii. final operational notification (FON)

Specifically, this procedure follows the same methods defined for the “new” **consumption units** described in the following paragraphs 1.A.7.5 Bis, 1.A.7.5 Bis.1, 1.A.7.5 Bis.2, 1.A.7.5 Bis.3 and 1.A.7.5 Bis.4.

1A.7 PROCEDURE FOR CONNECTION OF PLANTS CORRESPONDING TO CONSUMPTION UNITS

1A.7.1 Methods for submitting connection applications

1A.7.1.1 **Connection applications**, must be submitted by the **applicant** to the **Operator** for plants with **connection power** of 10 MVA or more.

1A.7.1.2 **Connection applications** shall contain explicit indications regarding:

(a) the **applicant** with the related identifying data;

(b) the **connection power** of the said **connection application**;

(c) information on possible disturbances introduced into the **grid**. These may include harmonics, the **flicker**, dissymmetry of voltages;

(d) the person which the **applicant** may delegate to act on its behalf regarding the technical aspects related to the **connection**;

(e) the linear diagram, signed by a qualified technician, and related to the part of the plant that has the same delivery voltage level, including the voltage transformers from the delivery voltage level to other voltage levels and the devices relevant to the **connection** (general, interface and generation devices; consumption and connection measurement points) regardless of the voltage levels of the said devices and measurement points; the unconditional and irrevocable acceptance of all provisions in this Grid Code.

(f) the documentation necessary for the purpose of acquiring the anti-Mafia information.

It is the **Operator**'s responsibility to acquire, from the relevant offices, the anti-Mafia certification related to the **applicant** for the **connection**. It remains understood that the supply of the connection service is in any case subject to a condition subsequent in the case of disqualifying anti-Mafia information received from the competent bodies.

1A.7.1.3 Under penalty of claim preclusion, **connection applications** shall be accompanied by a copy of the bank receipt proving payment by the **applicant** of the fee due to the **Operator** for defining the **STMG** as determined by the **Authority**.

1A.7.1.4 In the case of incomplete **connection applications**, the **Operator** shall require the **applicant** to supplement the **connection application** indicating the elements needing additional information. The supplement must be received by the **Operator** within the following 60 (sixty) days. After this deadline, if the supplementary documentation has not been received, the **connection application** will lapse.

The **Operator** under the terms of Art. 3, paragraph 1, of Italian Legislative Decree No. 79/99 may reject **connection applications** providing adequate reasons.

1A.7.2 Methods and response times of the Operator

1A.7.2.1 Following the **connection application** the **Operator** shall process the **STMG** and inform the **applicant** within the term of 90 (ninety) days from the date of receiving the **connection application**. For an **STMG** which includes work on the lines it owns or within the availability of other **grid operators**, the terms for the preparation and delivery of the **STMG** on the part of the **Operator** shall be in compliance with the operating conditions defined by the **grid operator** affected by the **connection**.

The **STMG** includes a description of:

(a) the **grid plant for connection** corresponding to one of the conventional technical **connection** solutions referred to in section 1A.4 and of the related **user plant for connection** or the specific **connection solution**;

(b) any work to be carried out on existing electricity grids which is strictly necessary in order to satisfy the **connection application**;

(c) any temporary **operational** methods for the **applicant's** electrical plant to be adopted for the time necessary to carry out any work on existing electricity grid under letter (b) and the technical reasons for this;

(d) the necessary data for preparing, depending on the particular characteristics of the areas involved in the **connection**, the documentation to be attached to the authorization requests to submit to the competent authorities drafted starting from the **STMG**.

The **STMG** is accompanied by:

- the time required for building the **grid plant for connection** and the work on the existing electricity grids which is necessary to satisfy the **connection application**, net of any reclamation and/or restoration of the area to be used for the **grid plant for connection** and for all needs related to guaranteeing service continuity;

- construction costs of the **plants for connection** pursuant to paragraph 1A.7.2.1 letter (a) and of any work on existing electricity grids pursuant to paragraph 1A.7.2.1 letter (b);

Costs are understood as net of work regarding:

- reclamation and/or restoration (earth moving, levelling, consolidation) of the area intended for the **grid plant for connection**;

- acquisition of availability of the land on which the **grid plant for connection** will be located;

The **Operator** prepares the **STMG** taking into account the rational development needs of the electricity **grids** and the need to ensure service continuity and, at the same time, in a manner that does not lead to permanent limitations of the **connection power** in the foreseeable operating conditions of the **SEN**).

When necessary the **Operator** can include in the **STMG** as possible options a **connection solution** for the **grid** belonging to another **grid operator** with third-party connection obligations. To this end, the **Operator** shall implement, in coordination with the **grid operators** with third-party connection obligations, appropriate measures for technical and economic coordination.

If the **STMG** entails the **connection** to another electricity **grid** different from the **NTG,** the **grid operator** involved in the **connection** will take the place of the **Operator** in building the **grid plant for connection**. Such replacement will be effective following the acceptance, by the **applicant**, of the **STMG**.

1A.7.2.2 The **Operator** shall also identify in the **STMG** the parts of the **plant for connection** corresponding respectively to the **grid plant for connection** and to the **user plant for connection**. The **Operator** shall identify the types of **grid plants for connection** the **applicant** is allowed to plan and develop, under the economic conditions established by the **Authority.**

1A.7.2.3 The **Operator** has the discretion to develop **technical connection solutions** different from the minimum technical **connection** solutions while respecting all the provisions relating to the economic conditions for the **connection**. In this case, the costs that exceed those corresponding to the minimum technical **connection** solution will be borne by the **Operator**.

1A.7.2.4 Following the **Operator's** notification of the **STMG**, the **applicant** has the right to request, within the following 60 (sixty) days, an additional **STMG**. The request for an additional **STMG** is considered for all effects and purposes a new **connection application**. The **Operator** notifies the **applicant** of its assessment on the matter within the next 60 (sixty) days.

1A.7.2.5 If the **connection solution** provided by the **Operator** does not match with the one suggested by the **applicant**, the **Operator**, upon request of the **applicant**, must provide an adequate explanation indicating any expected **operating** limitations.

1A.7.2.6 In the case of a change in the **connection power** pursuant to paragraph 1.A.2.1. letter b) the **applicant** is obliged to promptly communicate the extent of the change. The **Operator** reserves the right to change the **connection solution** including when it has already been accepted by the **applicant**.

1A.7.3 Methods and conditions for acceptance of the connection solution

1A.7.3.1 The deadline for acceptance of the **STMG** by the **applicant** is set, on penalty of lapse of the **connection application**, within and no later than 120 (one hundred and twenty) days from notification by the **Operator** of the said **STMG** or from notification by the **Operator** of its assessment on the request for an additional **STMG** pursuant to paragraph 1.A.7.2.4 above.

1A.7.3.2 Except where provided for in Chapter 12 of this Grid Code, the above acceptance exempts the **Operator** from all of the obligations regarding confidentiality pertaining to the initiative for which the **connection** to the **NTG** has been requested.

1A.7.3.3 With the acceptance of the **STMG** the **applicant** assumes the responsibility for any fees which may result from the modification of telecommunications systems as a result of **interference**, pursuant to Article 95 paragraph 9 of Italian Legislative Decree

259/03,

1A.7.3.4 The **Operator** agrees, subject to a request from the **applicant for connection**, at the moment the STMG is accepted, that a plant for connection identified as the **user plant for connection**, will be included among the **grid plants for connection**and, consequently, will fall within the responsibility of the **Operator** at the conditions set out by the **Authority**. It is understood that the conventional **connection point** for service quality monitoring purposes remains the one indicated by the **Operator** in the **STMG**. In these cases the **Operator** shall modify the **connection estimate** within the following 90 days, taking into account that the part of infrastructure initially considered external to its **grid** will become a part of it.

1A.7.3.5 As an alternative to the provisions of paragraph 1A.7.3.4, the **Operator** reserves the right to propose a different **connection solution**, identifying ad hoc rules of both an economic and a technical nature.

1A.7.4 Rules for authorization of grid plants for connection of plants corresponding to consumption units

1A.7.4.1 For the purposes of developing **plants for connection**, the **applicant** that has accepted the **STMG** has the right to ask the **Operator** to be able to directly handle the procedure for authorization until the same has been granted, for both **user plants for connection** and **grid plants for connection**, including the works on existing electricity grids as per paragraph 1A.7.2.1 letter b), preparing all the necessary plans. In this case, the **applicant** is responsible for all of the activities linked to the authorization procedures, including preparation of the documentation for submitting the authorization requests to the appropriate authorities. In order to prepare the said documentation, the **applicant for connection** may avail itself of the **Operator's** consultancy in exchange for remuneration established by the **Operator** according to principles of transparency and non-discrimination.

1A.7.4.2 Should the **applicant** not exercise the right under the previous paragraph, the **Operator** shall handle the authorization procedure, communicating the

indicative time frame exclusively for the **grid plant for connection** pursuant to paragraph 1.A.7.2.1 letter a) and for any work on existing electricity grids pursuant to paragraph 1.A.7.2.1 letter b) in exchange for the fee for the performance of the authorization procedures pursuant to paragraph 1A.7.6.2 letter b).

1A.7.5 Fulfilments after acceptance of the general minimum technical solution (STMG) for connection to the NTG

1A.7.5.1 Within six months from acceptance of the **STMG**, on penalty of lapse of the **connection application**, the **applicant** shall communicate to the **Operator** the general time schedule of its own venture, describing the necessary activities and the state of the authorization procedure it is availing itself of, formulating, if necessary, the request that a **plant for connection** identified as a **user plant for connection** be included among **grid plants for connection** pursuant to paragraph 1A.7.3.4. In this case, in the following 30 (thirty) days, the **Operator** shall communicate its evaluations as well as the terms and methods of the fulfilments preparatory to the construction of the **grid plants for connection.**

1A.7.5.2 During work on constructing the **consumption unit**, the **applicant** sends to the **Operator**, at least every quarter, an update of the construction time schedule, updating in particular the date envisaged for completion of the work on constructing the said **consumption unit**.

1A.7.5.3 Once the work on constructing the **consumption unit** is complete, the **applicant** sends the **Operator** the work completion notice, stating that the work has been completed within the deadline provided for in the authorization for construction and **operation** including extensions granted by the licensing authority and updates the **Operator** highlighting completion of the work.

This communication is made with an affidavit.

1A.7.5.bis *Procedure for activation of the connection and energisation* of a "new consumption unit"

In addition to the provisions in the previous paragraph 1A.7.5 for **consumption units** that fall within the scope of application of section 1C[3] of this Chapter of the **Grid Code** (new **consumption units**), the energisation procedure is divided into three phases:

a. energisation operational notification (EON)
b. interim operational notification (ION)
c. final operational notification (FON)

The process for energisation of "new" consumption units follows the same methods set out under letter b) of the previous paragraph 1.A.5.10, with the exception of the indications listed below.

1A.7.5.bis.1 Energisation operational notification (EON)

The procedure to obtain the energisation operational notification (EON) for the **consumption unit** follows the same methods described in paragraph 1. A.5.10.3.1.

1A.7.5.bis.2 Interim operational notification (ION)

The procedure to obtain the interim operational notification (ION) by the **applicant** follows the same methods described in paragraph 1.A.5.10.3.2, with the following specific measures:

- compliance testing as per paragraph 1.A.5.10.3.2 must be performed under the monitoring and responsibility of the **applicant**, in line with the testing requirements and methods set out in section 1C of this Chapter and relative

[3] For the purposes described in section 1A of this Chapter 1 of the Grid Code, plants connected/to be connected to the Sardinian **grid** are included in this category of plants.

annexes*;*

- validity of the ION issued by the **Operator** cannot exceed 24 months;
- regarding compliance for issue of the ION, it is noted that:

  - all parts of the plant and equipment must be compliant with the most recent applicable CEI, IEC and CENELEC technical standards, with the exception of special cases that will be identified by the **Operator**;

  - the plant parts that are significant in terms of the reliability and continuity of the service to the NTG (e.g. machinery, equipment or control systems) must be provided by manufacturers operating in line with certified quality standards. For this apparatus, the applicant must send the Operator the declaration of compliance provided by the manufacturer/installer, certifying:
    - observance of the technical requirements as per the Technical Connection Rules (section 1C of this Chapter of the **Grid Code**);
    - installation of components and materials manufactured to correct standards, certified and suitable for the installation site;
    - compliance of the group in terms of safety and functionality..

1A.7.5.bis.3 Final operational notification (FON)

The procedure to obtain the final operational notification (FON) by the owner **applicant** follows the same methods described in paragraph 1. A.5.10.3.3.

1A.7.5.bis.4 Limited operational notification (LON)

The procedure for obtainment of the limited operational notification (LON) by the **user** follows the same methods described in paragraph 1.A.5.10.3.4, with the following specifications:

- Users that have already obtained an FON notify the **Operator**, within 24 hours of identifying one of the following circumstances:
  a) the unit/systems is/are temporarily affected by significant changes or loss of capacity that influence performance; or

b) faults in equipment compromise observance of specific Technical requirements defined in section 1C of this Chapter of the **Grid Code**.

1A.7.6 Summary of the economic conditions for connection

1A.7.6.1 Upon submitting the **connection application**, the **applicant for connection** must pay the **Operator** the fee for processing of the **STMG** under paragraph 1A.7.1.3 of the fixed amount of €2,500 (excluding VAT).

1A.7.6.2 Following acceptance of the **STMG**, the **applicant** for **connection** must pay the **Operator**:

(a) when it is the **applicant** completing the procedure for authorization of the **grid plant for connection**, a fee determined by the **Operator** according to principles of transparency and non-discrimination:

i. for verification and evaluation activities associated with the issuance of the opinion evaluating compliance of the plans for the **grid plant for connection** with the technical requirements under this chapter, before its submission to the appropriate authorities, should the said project be developed by the **applicant**, or

ii. for preparation of the documentation for the authorizations of the **grid plant for connection** if the **applicant** avails itself of the **Operator**'s consultancy;

(b) when the authorization procedure for the **grid plant for connection** is not being carried out by the **applicant**, a fee determined by the **Operator** according to principles of transparency and non-discrimination, for the completion of the authorization procedure and the drafting of the necessary plans.

1A.7.6.3 Following obtainment of all authorizations necessary for construction and **operation** of the **grid plant for connection** and any work to be done on existing electricity grids which is strictly necessary in order to satisfy the **connection application**, and at the moment of requesting the **STMD**, the **applicant** for connection must pay the **Operator** a fee determined on the basis

of the parameters in the table below.

Fixed fee	*Variable fee*	*Maximum limit*
€ 2,500	0.5 €/kVA	Euro 50,000

1A.7.6.4 Following acceptance of the **STMD**, the **applicant** must pay the **connection** fee equal to 50% of the expenses linked to the construction of the **grid plants for connection**, based on the terms and methods indicated in the **connection contract**. Linked expenses mean the costs incurred for on-site work and for the labour above the general expenses, considered equal to 20% of the aforesaid sums. General expenses will cover the administrative costs, any possible expenses linked to obtaining the right of way and expropriation as well as the fees linked to power lines in general, provided that they are within the legal constraints and are not consequent to particular demands on the part of the **applicant** which will not allow them to be kept within those limits.

The cost incurred for the construction of **plants for connection** is determined with reference to all the works necessary for the **connection**, including those prepaid by the **Operator**. This cost shall be charged on a pro-rata basis in proportion to the power available to the **applicant**, provided it is related to plants at the same level of voltage at which the provision is performed.

1A.7.6.5 The **applicant** constructing on its own the **grid plants for connection** must pay the costs for approval testing and the consequent acceptance by the **Operator** according to the conditions indicated in the **connection contract**.

1A.7.7 General rules

1A.7.7.1 For **connections** of systems corresponding to **consumption units**, the general rules, inasmuch as compatible, pursuant to section 1. A.5.12. shall apply.

1A.8 PROCEDURE FOR THE CONNECTION OF SSPCs

In the case of new connections to the **NTG** of an **Other Simple Production and Consumption System (Altro Sistema Semplice di Produzione e Consumo** - **ASSPC)** or of a change to the existing **Simple Production and**

Consumption System (Sistema Semplice di Produzione e Consumo - SSPC) connection, the **connection service** is provided applying, insofar as compatible**:**

a) the prescriptions pursuant to paragraph 1A.5:
   - in cases of **application for connection** to the **NTG** in injection and withdrawal, with withdrawal request destined to feed users other than power plant auxiliary systems;
   - in cases of requests for changes to the existing **connection** if the **connection application** can be classified as a **connection application** in injection;

b) the prescriptions pursuant to paragraph 1A.7 in cases of requests for changes to the existing **connection** for the purpose of creating an **ASSPC** if the **connection application** can be classified as a **connection application** in withdrawal.

1A.8.1 *Methods for submitting connection applications*

In particular, **connection applications**, besides what is provided for in the rules pursuant to paragraphs 1A.5.1.3 and 1A.7.1, must contain the following indications:

(i) the linear diagram, drawn up under the terms of the IEC standards, which shows, if present, the further **points of connection** with other **grids**, the related level of voltage and the **POD,** any presence of devices that prevent, including temporarily, the **grids** on which the said points lie from being made parallel, and the **connection point** involved in the adjustment;

(ii) the information needed to identify the **final customer** to which ownership of the **connection** is to be registered and the related POD;

(iii) the type of **ASSPC** to be created on the basis of the definitions of **ASSPC** pursuant to the "**Integrated Text on Simple Production and Consumption Systems (Testo Integrato dei Sistemi Semplici di**

Produzione e Consumo" - TISSPC) or the type of **SSPC** which is the subject of the requests for changes to the existing **connection**.

1.A.8.1.1. Connection application for points connected on a circuit

Applications for a new **connection** related to **ASSPCs** that are to be connected to the public grid through several **connection points** interconnected to each other on a circuit must be sent to the **Operator** if the **connection point** intended to be used as the main one, according to the provisions of Article 9 of the **TISSPC**, lies on the **NTG**, also if the **connection** regards secondary **connection points**.

1.A.8.1.2. Application for adjustment of existing connections

In all cases in which changes are made to an **SSPC**, the **final customer** or the **producer**, with a mandate without representation from the **final customer**, submits to the **Operator** an application for adjustment of an existing **connection**, ascribable to the following main types:

1) applications relating to a **connection point** on which an **ASSPC** already lies. In these cases the **applicant** is required to attach an affidavit which attests that the changes made do not determine the cessation of the conditions of Other Self-Production System (Altro Sistema di Auto-Produzione - **ASAP), Other Existing Systems (Altri Sistemi Esistenti - ASE), Efficient User System (Sistema Efficiente di Utenza - SEU)** or **Existing Systems Equivalent to Efficient User Systems (Sistemi Esistenti Equivalenti ai Sistemi Efficienti di Utenza - SEESEU).**
2) applications relating to cases in which the creation of an **ASSPC** derives from the creation of a private connection which puts into communication one or more **production plants** with **consumption units** in which at least one of the plants and/or **consumption units** is already connected to the public grid. If the creation of this connection entails a system configuration with **connection points** lying on both the **NTG** and the **distribution grid**, the **applicant** is required to send an application for adjustment of an existing connection to the **Operator**. This application must also contain the following further information:

a) the existence of any further **connection points** with the public grids, the related **grid operators** and the related **PODs**;

b) the request to decommission the said **connection points** or to change the electricity plant of the **ASSPC** in such a way as to ensure that there is no interconnection in a circuit, even a temporary one, between the aforesaid **connection points**;

c) the request to keep the said **points connected** in a circuit and the reasons underlying this request.

If the request is in accordance with current laws and regulations, the **Operator** proceeds to provide the **connection service** after coordination with the **operators of grids** on which the other **connection points** lie.

3) applications relating to an **ASSPC** already connected to the public grid through several **connection points** interconnected to each other in a circuit. These cases include both adjustments on existing **connection points** and the creation of new **connection points** connected in a circuit to already existing points.

   In these cases, if the main **connection point**, according to the provisions of Article 9 of the **TISSPC**, lies on the **NTG**, the applications for adjustment must be sent to the **Operator**, also when the adjustment of the **connection** regards secondary **connection points**. To this end, the **applicant** is required to highlight the information needed to identify the other **connection points** and in particular the related **PODs** and the operators of grids on which these points already lie.

   It is understood that in such cases the operator of the grid on which the main **connection point** lies activates any procedure for coordination with the other **grid operators** involved.

4) application for a new **connection point** of the **ASSPC** to the **NTG**, in addition to the existing ones, in the absence of a **connection** in a circuit among the various points.

Taking into account that, following the **connection** to the **NTG** of an **ASSPC** the ownership of the **connection point** to the public grid always lies with the **final customer** present within the **ASSPC**, if the **final customer** asks the **Operator** for a change in the existing **connection** that modifies the **requested injection**

power, the **final customer** itself informs at the same time the **producer** of the application for a change submitted, giving evidence of this to the **Operator**.

It is understood that, for requests to adjust an existing **connection** that do not change its configuration entered in **GAUDÌ** or on the user's electricity plant and that do not entail works by the **Operator** on the **connection point** or on the existing grid, nor the creation of **grid** developments, the **applicant** is required exclusively to send the **Operator** a communication of update.

1A.8.2 Response methods and times of the Operator - connection estimate

The **connection** estimate includes, besides what is provided for in paragraphs 1A.5.2.1 and 1A.7.2.1., the following indications:

a) when the intention is to connect to the **NTG**, through the same **connection point**, **production plants** and plants corresponding to **consumption units**, the indication that the permissible plant configurations are exclusively those described under the terms of the **TISSPC**;

b) in cases pursuant to the previous point, the indication that for **SEUs** and **SEESEUs**, the transmission and distribution tariff fees, and those covering the general and territorial compensation expenses, are determined making exclusive reference to the electricity withdrawn at the **points of connection** to the public grid, while, for self-consumed energy, the fees covering the general and territorial compensation expenses are applied for the amount laid down by current legislation and that these tariff benefits are applied, only after the issue, by the **GSE**, of the related qualification, according to the methods indicated in the **TISSPC.**

In addition, when the **final customer** asks the **Operator** for a change in the existing **connection** which modifies the **requested injection power**, the **Operator** at the moment of sending the **connection** estimate informs also the **producer** of the change request submitted.

1.A.8.3. Rules for emergency connection applications

In the cases provided for by Article 18.3 of the **TISSPC**, the **producer** may request the creation of an emergency **connection** and submit a specific application to the **Operator.** In these cases:

a) if the **requested injection power** at the emergency point is less than or equal to the **requested injection power** at the **connection point** of the **ASSPC**, the **connection application** is managed:
   - for the purposes of calculating the **connection** fee, as an application for a new **connection**,
   - for the purposes of defining the **STMG** and possibly also the **STMD**, as if the **requested injection power** were already reserved by the **producer** at the moment of the **connection application** of the **ASSPC** and therefore already available.

b) in the other cases, the emergency connection application is managed as an application for a new **connection** submitted under the terms of the **TICA**.

1A.8.4. Financial conditions for the connection

In cases of a new **application for connection** to the **NTG** in both injection and withdrawal, if the withdrawals are not destined only to supply auxiliary services, the **connection** fee is set as equal to that which, as a total, would be paid by a **final customer** that requests, in sequence, first the **connection** of a passive user under the terms of the **TIC**, then the **connection** of the **production plant** under the terms of the **TICA.**

In cases of requests for a change in the existing **connection** for the purposes of creating an **ASSPC**:

- the fees provided for in the **TICA** and summarised in paragraph 1A.5.11 are applied if the **connection application** can be considered an injection request;
- the fees provided for in the **TIC** and summarised in paragraph 1A.7.6 are applied if the **connection application** can be considered a withdrawal request.

Applications for adjustment of existing **connections** pursuant to paragraph

1A.8.1, which do not change their configuration entered in **GAUDÌ** or on the **grid user's** electricity plant and that do not entail works by the **Operator** on the **connection point** or on the existing grid, nor the creation of **grid** developments, do not entail the payment of any fee.

1A.8.5 Fulfilments after completion of the work on constructing the production plant

Once the works on constructing the **production plant** is complete, the **applicant** sends to the **Operator**:

- the work completion notice, highlighting the fact that the works have been completed within the time frame foreseen by the construction and operation authorization, including possible extensions granted by the licensing body. This communication is made with an affidavit. Within 5 working days after receiving the said affidavit, the **Operator** consequently updates the **GAUDÍ** system;

- in cases in which the electricity withdrawn is not intended to be used exclusively for the supply of **auxiliary services** of the **production plant**, an affidavit, signed both by the future producer and by the future final customer which attests in what type of **ASSPC** falls under the plant configuration that will exist downstream of the **connection point**, following completion of the connection procedure. In these cases, if the conditions are met, a communication must also be sent regarding the intention to acquire the qualification of **SEU** after application to the GSE.

1A. 9 PROCEDURE FOR THE CONNECTION OF PLANTS CORRESPONDING TO GRIDS OTHER THAN THOSE WITH THIRD-PARTY CONNECTION OBLIGATIONS

In the case of **grids** other than **grids with third-party connection obligations** the procedure for connection to the **NTG** follows the same methods, insofar as they are compatible, described in paragraph 1A.6.

1A.10 PROCEDURE FOR THE CONNECTION OF OFF-SHORE WIND POWERED PLANTS

1A.10.1 In the case of off-shore wind powered plants the procedure for connection to the **NTG** is the same, as far as compatible, as that described in section 1A.5, with the specifications indicated herein.

1A.10.2 The **General Minimum Technical Solution (STMG)** contained in the **connection** estimate includes a description of the **grid plant for connection** corresponding to one of the **conventional technical connection solutions** referred to in section 1A.4 and of the related **user plant for connection** (including the infrastructures located in Italian waters) or the specific **connection solution**.

1A.10.3 In the case of distinct **applications for connection** to the **NTG** which involve the same portion of grid, the **Operator** reserves the right to identify **connection solutions** which minimise the grid infrastructures in the geographical area involved, providing if necessary the same infrastructures to several **Users**.

1A.10.4 At the specific request of the **applicant** at the moment of acceptance of the estimate, the **Operator** may allow the inclusion of the **plant for connection** initially identified as a **user plant for connection** among the **grid plants for connection,** provided that the following conditions are met:

a. it is possible to identify a **grid diagram** that makes it possible to guarantee the continuity and security of operation of the **grid** on which the plant to be included in the **NTG** is to be inserted;

b. it is functional to future work on developing the **NTG**,

and on condition that the **user plant for connection** is designed and constructed in compliance with the standard **NTG** plant requisites.

1A.10.5 If the conditions described in the above section are met, the **Operator** assesses the possibility of including the user plant among the grid plants. As an alternative, the **Operator** reserves the right to propose a different connection solution, identifying ad hoc rules of both an economic and technical nature.