



***ENTSOG Practical implementation  
document for developing the 10-year  
network development plan (TYNDP)  
2022***

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## 1 Introduction

The present document provides guidance to the project promoters on the procedural steps as well as administrative and technical requirements the project promoters need to comply with to have their projects included in the Union-wide 10-year network development plan (“TYNDP”) 2022. ENTSOG shall adopt the TYNDP every two years pursuant to Regulation (EC) No 715/2009 of the European Parliament and of the Council of 13 July 2009 on conditions for access to the natural gas transmission networks and repealing Regulation (EC) No 1775/2005 (hereafter “Regulation 715/2009”).<sup>1</sup>

TYNDP 2020 concluded that almost all gas infrastructure gaps can be addressed in the next 5 years by projects already initiated, including supply route disruptions. However, it should be noted that, in specific areas, further development of the infrastructure is still required.

The current gas infrastructure can already support the phase out of carbon intensive fuels in carbon intensive sectors such as industry and transport sectors, but also in the power and heating sectors. However, more investments in renewables, decarbonisation and infrastructure conversion are needed. Renewable, decarbonised and low-carbon gases projects demonstrate their ability to decarbonise the energy system and next editions of the TYNDP will continue to assess them. This was confirmed by ENTSOG TYNDP 2020 ETR project collection and their sustainability assessment.

In line with current Regulation (EC) No 347/2013 on guidelines for trans-European energy infrastructure and repealing Decision No 1364/2006/EC and amending Regulations (EC) No 713/2009, (EC) No 714/2009 and (EC) No 715/2009 (hereafter “Regulation 347/2013”)<sup>2</sup>, the present document is addressed to all project promoters which are planning to develop projects of European relevance.

As such, promoters can submit the following project categories:

- Gas transmission pipeline (TRA);
- Underground storage facilities (UGS);
- Reception and storage and regasification or decompression facilities for liquefied natural gas (LNG) or compressed natural gas (CNG);
- New or repurposed infrastructure to carry hydrogen (HYD);
- Projects for retrofitting infrastructure to further integrate hydrogen (RET);
- Biomethane development projects (BIO);
- Other infrastructure related projects (OTH)

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<sup>1</sup> [Regulation \(EC\) No 715/2009 of the European Parliament and of the Council of 13 July 2009 on conditions for access to the natural gas transmission networks and repealing Regulation \(EC\) No 1775/2005 \(europa.eu\)](#)

<sup>2</sup> [Regulation \(EU\) No 347/2013 of the European Parliament and of the Council of 17 April 2013 on guidelines for trans-European energy infrastructure and repealing Decision No 1364/2006/EC and amending Regulations \(EC\) No 713/2009, \(EC\) No 714/2009 and \(EC\) No 715/2009Text with EEA relevance \(europa.eu\)](#)

Natural gas projects as well as projects related to the development of renewable, decarbonised and low-carbon gases indicated above contribute to meeting the EU sustainability and decarbonization targets. Moreover, gas infrastructure can be an essential part of the future energy system, enabling the implementation of both existing and innovative carbon neutral gas technologies.

In 2020, the European Commission started the revision process of the TEN-E while at the time of drafting this document, the process was still ongoing. Taking into consideration the foreseen changes in the draft TEN-E revision, this Practical Implementation Document has been built to be also compliant with the current TEN-E in force (i.e. Regulation No 347/2013), the Regulation 715/2009 and the Regulation (EC) No 2015/703 on establishing a network code on interoperability and data exchange rules<sup>3</sup>.

TYNDP 2022 is designed to offer a view of the future gas infrastructure evolution while also taking into consideration the ongoing decarbonization trend. The aim of TYNDP 2022 is to depict projects which bring benefits to the European society beyond exclusive eligibility for PCI.

For this reason, promoters can submit to TYNDP, on a voluntarily basis, also production facilities (such as electrolyzers) as well as projects related to the transport sector (e.g. refuelling stations not already included as part of a network development submissions). However, these submissions to ENTSOG TYNDP do not automatically mean that they are eligible to apply for the European Commission Project of Common Interest (PCI) status.

Annex III.2 of current European Commission draft TEN-E (published in December 2020) indicates which projects can apply for the Project of Common Interest selection process following their inclusion in the latest available Union-wide-ten-year network development plan for gas (TYNDP).

As part of its TYNDP, ENTSOG ensures project-specific cost benefit analysis only on projects applying to the PCI status.

This document should be read in conjunction with the “Commission Recommendation on Guidelines on equal treatment and transparency criteria to be applied by ENTSO-E and ENTSOG when developing their TYNDPs as set out in Annex III 2(5) of Regulation (EU) No 347/2013” (available [here](#)) adopted by the European Commission on 24 July 2018. This Commission Recommendation sets the general framework for the structure, principles, adoption, revision and application of the present document.

Project promoters are advised to read this document so that they understand the:

- Type of applicant the project promoter is;
- Administrative and technical criteria the promoters and their projects will be required to meet;

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<sup>3</sup> [REG\\_2564\\_L150402070\\_BASE\\_EN-6306201437454481716\\_13..26 \(europa.eu\)](#)

- Documents and information they will be required to submit to fulfil the criteria;
- Use and circulation of the information submitted, and;
- Other use of information regarding their application, including useful contact details.

By describing the TYNDP development - including application procedure, timelines, administrative and technical requirements, project promoters' rights, access to data and confidentiality principles— this document implements the TEN-E Regulation Annex III 2.5 requirement of ensuring equal treatment and transparency of the TYNDP process.

PID went through a stakeholder consultation process. As such, a dedicated stakeholders' webinar was organized on 2<sup>nd</sup> of June 2021 with the aim to introduce the draft PID for TYNDP 2022 and to request stakeholders' feedback to finalise the document.

A similar process was run with EC and ACER at the beginning of June. EC and ACER were provided the draft PID and could send comments within 3 weeks.

## 2 TYNDP process

In order to ensure greater transparency regarding the development of the gas sector in the EU, ENTSOG shall draw up, publish and regularly update a non-binding TYNDP.

The TYNDP is a biennial plan built upon national and regional development plans as well as planned developments at a European scale. It aims at developing a European supply adequacy outlook and assessment of the resilience of the gas system, including identification of the investment gaps by identifying where missing infrastructure prevents achieving the pillars of the internal energy market. Furthermore, the TYNDP assesses how the submitted projects contribute to the improvement of the European gas system, mitigating the identified infrastructure gaps.

The TYNDP process is represented in a schematic way in Figure 1 below. The timeline was valid at the date the PID was uploaded on ENTSOG website.



\* Final publication will also depend on the engagement with external stakeholders and update of the TEN-E Regulation.

**Figure 1: Phases and timeline of the TYNDP 2022 development**

Candidates will have to submit their project applications within a particular data collection window of minimum 4 weeks which will be advertised/communicated by ENTSOG in due time. ENTSOG will consider these applications and their compliance with the criteria set out in section 3 below.

The submission of projects will be done by promoters through an online tool operated by ENTSOG, when the data collection window is open. For accessing the data collection portal, each promoter needs to have valid credentials given by ENTSOG on request. New project promoters should request the credentials from ENTSOG. Project promoters are recommended to ask for new credentials well in advance but not later than one week before the opening of the TYNDP Project Data Collection Process.

The TYNDP Project Data Collection process is supported by an Information Package which will be made available to the project promoters in due time. The ENTSOG Data Portal Handbook will be updated for each Project Collection and it constitutes the Annex 3 of this document but remains a physically independent document.

Promoters of projects already included in the previous TYNDP and having the intention to be part of the TYNDP under preparation shall officially make a new re-submission for inclusion in the new TYNDP. However, the inclusion of such a project will benefit of a simplified application process for the current TYNDP under a form of pre-filled questionnaire with the latest available data, where applicable.

The validation window follows the data collection window and takes approximately 4 weeks. During this window, the ENTSOG staff will check the submitted projects, and where necessary will contact the relevant Project Promoters for clarifications.

Within 3 months after the close of the validation phase, ENTSOG will make public on its website the list of projects accepted for inclusion in the TYNDP. In advance of the list publication, ENTSOG informs and justifies to the relevant promoters about any rejection of their project from inclusion in the TYNDP.

### **3 Criteria to be fulfilled to allow a project to be part of the TYNDP**

This chapter includes the administrative and technical criteria that each candidate project of European relevance shall fulfil in order to be included in the TYNDP.

Failure to provide the necessary information to meet the administrative and technical criteria within the Project Data Collection phase, will result in the project not being included in the relevant TYNDP. The administrative and technical criteria below are grouped based on the type of the promoter, the type of the project and the maturity of the project.

A TYNDP project promoter can fall under the following categories:

**A. Project Promoters of gas transmission infrastructure project.**

**A.1** Company which is a Member, Observer or Associated Partner of ENTSOG or an entity being a partner of the company in the same project<sup>4</sup> or having a shareholding relation with this company<sup>5</sup>.

**A.2** Company which is certified or exempted from unbundling<sup>6</sup> but not Member, Observer or Associated Partner of ENTSOG (including certified DSOs).

**A.3** Any other company (including Governmental Bodies at national level).

**B. Project Promoters of storage projects.**

**B.1** Company which is a Member, Observer or Associated Partner of ENTSOG or an entity being a partner of the company in the same project or having a shareholding relation with this company.

**B.2** Company which is a licensed SSO but not Member, Observer or Associated Partner of ENTSOG (including certified DSOs).

**B.3** Any other company (including Governmental Bodies at national level)

**C. Project Promoters of LNG projects and CNG projects.**

**C.1** Company which is a Member, Observer or Associated Partner of ENTSOG or an entity being a partner of the company in the same project or having a shareholding relation with this company.

**C.2** Project promoter which is a licensed LSO but not Member, Observer or Associated Partner of ENTSOG (including certified DSOs).

**C.3** Any other company (including Governmental Bodies at national level).

**D. Project Promoters of new or repurposed infrastructure to carry hydrogen.**

**D.1** Company which is a Member, Observer or Associated Partner of ENTSOG or an entity being a partner of the company in the same project or having a shareholding relation with this company.

**D.2** Project promoter which is a certified/exempted TSO or licensed SSO/LSO but not Member, Observer or Associated Partner of ENTSOG (including certified DSOs).

**D.3** Any other company (including Governmental Bodies at national level).

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<sup>4</sup> For the purpose of this document, a partner is the entity that formally associated with the company which is Member, Observer or Associated Partner of ENTSOG in developing the project submitted for TYNDP 2022.

<sup>5</sup> For the purpose of this document, a shareholding relation means that the company which is Member, Observer or Associated Partner of ENTSOG has shares in an entity or the other way round, OR the company and the entity belong to the same corporate group.

<sup>6</sup> In line with the Directive 2009/73/EC and Regulation (EC) No 715/2009

**E. Project Promoters of projects for retrofitting infrastructure to further integrate hydrogen.**

**E.1** Company which is a Member, Observer or Associated Partner of ENTSOG or an entity being a partner of the company in the same project or having a shareholding relation with this company.

**E.2** Project promoter which is a certified/exempted TSO or licensed SSO/LSO but not Member, Observer or Associated Partner of ENTSOG (including certified DSOs).

**E.3** Any other company (including Governmental Bodies at national level).

**F. Project Promoters of biomethane developments projects.**

**F.1** Company which is a Member, Observer or Associated Partner of ENTSOG or an entity being a partner of the company in the same project or having a shareholding relation with this company.

**F.2** Project promoter which is a certified/exempted TSO or licensed SSO/LSO but not Member, Observer or Associated Partner of ENTSOG (including certified DSOs).

**F.3** Any other company (including Governmental Bodies at national level).

**G. Project Promoters of other infrastructure related projects.**

**G.1** Company which is a Member, Observer or Associated Partner of ENTSOG or an entity being a partner of the company in the same project or having a shareholding relation with this company.

**G.2** Project promoter which is a certified/exempted TSO or licensed SSO/LSO but not Member, Observer or Associated Partner of ENTSOG (including certified DSOs).

**G.3** Any other company (including Governmental Bodies at national level).

There are administrative criteria applicable for all projects while some specific criteria are applicable only for projects “under consideration”<sup>7</sup> (UC).

The status “under consideration” has been created for the purposes of this document and therefore shall be interpreted as different compared to the project status described in the CBA Methodology and used in the TYNDP to derive the so-called Infrastructure Levels. Please refer to chapter 5 for the definition of the project status.

See below the criteria a project needs to fulfil for the inclusion in TYNDP 2022.

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<sup>7</sup>For the purpose of this document, a project “under consideration” is a project at an early stage and which has not completed the phase of a feasibility study.

### 3.1 Transmission projects

#### 3.1.1 Administrative criteria

The following table shows the list of administrative pass-fail criteria. **All criteria must be fulfilled.**

No	Criteria	Promoter A.1+A.2+A.3
1	Company existence (all)	The project promoter shall be a registered undertaking or a subsidiary of a registered undertaking. The company has to be in existence for at least 1 year before the date of submission (except for projects "Under consideration" <sup>8</sup> ).
2	Financial strength (all)	The assets of the undertaking or its shareholders shall amount to at least 1 million EUR.
3	Technical expertise (all)	The project promoter has the technical expertise to realize the project by its own or by using subcontractors.

The following table shows a list of alternative administrative criteria. **At least one criterion must be fulfilled.**

No	Criteria	Promoter A.1+A.2+A.3
4	PCI (all)	The project is a PCI in the latest available PCI list
5	FID (all)	The project has taken the FID status
6	National plan (all)	Inclusion in the latest available National Development Plan (NDP) or National / Governmental Strategy
7	Incremental Capacity (all)	The project is triggered following an incremental capacity process as described in the CAM NC.
8	(Pre-) Feasibility study (all)	Completed (Pre-) Feasibility study for the project
9	Agreement with the Member State (MS) / National Regulatory Authority (NRA) (UC)	Project shall have a signed agreement with the competent MSs or NRAs
10	TSO agreement (UC)	Signed Agreement with the concerned TSO(s) regarding the development of the submitted project
11	Decision for studies (UC)	Internal decision to perform a feasibility / pre-feasibility study

#### 3.1.2 Technical criteria

The following table shows the list of technical pass-fail criteria. **All criteria must be fulfilled.**

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<sup>8</sup> Promoters of projects "under consideration" may be recently established companies therefore in order to allow also such projects to be submitted for TYNDP the promoters can be in existence for less than 1 year. This applies to all type of projects.

No	Criteria	Promoter A.1+A.2+A.3
12	Technical description	<p>The project shall be a gas transmission pipeline, technically suited to transport safely, securely and efficiently increasing percentages of H2 (possibly up to 100%) or contributing to coal to gas switch<sup>9</sup>, with the purpose to transmit gas to/from an interconnection point<sup>10</sup> or be an enabler<sup>11</sup> or enhancer<sup>12</sup> of a pipeline with the purpose to transmit gas, to/from an interconnection point;</p> <p>This category includes also any equipment or installation essential for the development of above mentioned infrastructure and for the system to operate safely, securely and efficiently or to enable bidirectional capacity including compressor stations.</p>
13	Location	The project to be at least partially located in one of the countries included in the geographical perimeter <sup>13</sup> of the TYNDP or countries hosting gas “supply chain” projects bringing additional gas sources to EU border.
14	Project data	<p>All the project characteristics necessary for the assessment. The detail of this data is included in the TYNDP Project data collection handbook<sup>14</sup>. In addition, the capacity increment of the project at an interconnection point, or at any point within the national transmission system, shall not be 0 after the application of the “Lesser-of” rule.</p> <p>ENTSOG shall make sure that all Operators affected are informed and can confirm the capacity increment at the point to apply the lesser of rule.</p> <p>Projects proposing a capacity increment at a certain IP are usually promoted by the owner Operator<sup>15</sup>, the adjacent Operator<sup>16</sup> at the IP which has been indicated by the owner TSO in the Point Creation Request Form, or a subsidiary of these Operators. In case a potential promoter does not belong to one of the aforementioned categories,</p>

<sup>9</sup> Investments implemented to deliver or distribute increased volumes of natural gas to gas fired units (e.g. CCGTs, CHPs) that replace coal-based generation

<sup>10</sup> For the purpose of this document, the interconnection point can be physical or virtual. As per the Regulation 2017/459 ‘Interconnection point’ (IP) means a physical or virtual point connecting adjacent entry-exit systems or connecting an entry-exit system with an interconnector, in so far as these points are subject to booking procedures by network users; In addition to IPs as defined in Regulation 2017/459 ENTSOG, for the purpose of TYNDP simulations, ENTSOG can also consider the creation of IPs which are not subject to booking procedures by network users but serve only for simulation purposes. Such IPs are created only upon request of all concerned promoters.

<sup>11</sup> Enabler is a project which is indispensable for the realisation of the main project in order for the later to start operating and show any benefit. The enabler itself might or not bring any direct capacity increment at any IP.

<sup>12</sup> Enhancer is a project that would allow the main project to operate at a higher rate than when main project operates on its own basis, increasing the benefits stemming from the realisation of the main investment. An enhancer, unlike an enabler, it is not strictly required for the realisation of the main project.

<sup>13</sup> The geographical perimeter of the TYNDP covers the EU-27 countries as well as United Kingdom, Switzerland, Bosnia and Herzegovina, Serbia and Republic of North Macedonia.

<sup>14</sup> The Project Data collection handbook also describes which information is considered mandatory to be provided by the project promoters.

<sup>15</sup> For the purpose of this document, owner TSO is the entity who requested the creation of the interconnection point in the ENTSOG IT System.

<sup>16</sup> Adjacent TSO is the operator with which the interconnection point is connected. The adjacent TSO is indicated by the owner TSO in the Point Creation Request Form.

		this particular promoter must have the written consent <sup>17</sup> of the Owner Operator and the adjacent Operator in order to submit the project for TYNDP.
15	Relevant authority non-binding consent	A project which is not included in the latest NDP shall have the consent of the relevant authority <sup>18</sup> . In case the project is built on several countries (e.g. an interconnection project), the project shall have the consent of at least one of the relevant authorities.

**NOTE:** In case of projects of gas equipment or installation such as gas compressor stations, regulation stations, etc. the administrative criteria described in section 3.1.1 shall apply. The technical condition for these projects to be included in the TYNDP is that the respective equipment or installation is part of or connected to a gas transmission pipeline as defined in section 3.1.2 (12).

### 3.2 Storage projects

#### 3.2.1 Administrative criteria

The following table shows the list of administrative pass-fail criteria. **All criteria must be fulfilled.**

No	Criteria	Promoter B.1+B.2+B.3
1	Company existence (all)	The project promoter shall be a registered undertaking or a subsidiary of a registered undertaking. The company has to be in existence for at least 1 year before the date of submission (except for projects "Under consideration").
2	Financial strength (all)	The assets of the undertaking or its shareholders shall amount to at least 1 million EUR
3	Technical expertise (all)	The project promoter has the technical expertise to realize the project by its own or by using subcontractors

The following table shows a list of alternative administrative criteria. **At least one criterion must be fulfilled.**

No	Criteria	Promoter B.1+B.2+B.3
4	PCI (all)	The project is a PCI in the latest available PCI list
5	FID (all)	The project has taken the FID status
6	National plan (all)	Inclusion in the latest available National Development Plan (NDP) or National / Governmental Strategy
7	(Pre-)Feasibility study (all)	Completed (Pre-)Feasibility study for the project
8	TSO agreement (UC)	Signed connection agreement with the concerned TSO

<sup>17</sup> Informal consents (such as e-mails) are also accepted.

<sup>18</sup> This condition applies only to promoters with a legally obligation to submit projects to a national competent authority.

9	Decision for studies (UC)	Internal decision of the SSO to perform a feasibility / pre-feasibility study
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### 3.2.2 Technical criteria

The following table shows the list of technical pass-fail criteria. **All criteria must be fulfilled.**

No	Criteria	Promoter B.1+B.2+B.3
10	Technical description	The project shall be a new gas storage facility or an upgrade of an existing gas storage used for storing gas in underground reservoirs (depleted gas fields, salt caverns or aquifer) under pressure, technically suited to store safely, securely and efficiently increasing percentages of H2 (possibly up to 100%) or contributing to coal to gas switch, to be connected to a gas transmission pipeline as defined in section 3.1.2 (12), aiming at promoting at least one of the following technical characteristics: <ul style="list-style-type: none"> <li>- working gas volume</li> <li>- injection and/or withdrawal rate</li> </ul>
11	Location	The project to be at least partially located in one of the countries included in the geographical perimeter of the TYNDP.
12	Project data	All the project characteristics necessary for the assessment. The detail of this data is included in the TYNDP Project data collection handbook. In addition, the capacity increment of the project at an interconnection point, or at any point within the national transmission system, shall not be 0 after the application of the “Lesser-of” rule. ENTSOG shall make sure that all Operators affected are informed and can confirm the capacity increment at the point to apply the lesser of rule.  Projects proposing a capacity increment at a certain IP are usually promoted by the owner Operator <sup>19</sup> , the adjacent Operator <sup>20</sup> at the IP which has been indicated by the owner TSO in the Point Creation Request Form, or a subsidiary of these Operators. In case a potential promoter does not belong to one of the aforementioned categories, this particular promoter must have the written consent <sup>21</sup> of the Owner Operator and the adjacent Operator in order to submit the project for TYNDP.
14	Relevant authority non-binding consent	A project which is not included in the latest NDP shall have the consent of the relevant authority <sup>22</sup> . In case the project is built on several countries (e.g. an interconnection project), the project shall have the consent of at least one of the relevant authorities.

<sup>19</sup> For the purpose of this document, owner TSO is the entity who requested the creation of the interconnection point in the ENTSOG IT System.

<sup>20</sup> Adjacent TSO is the operator with which the interconnection point is connected. The adjacent TSO is indicated by the owner TSO in the Point Creation Request Form.

<sup>21</sup> Informal consents (such as e-mails) are also accepted.

<sup>22</sup> This condition applies only to promoters with a legally obligation to submit projects to a national competent authority.

### 3.3 LNG projects and CNG projects

#### 3.3.1 Administrative criteria

The following table shows the list of administrative pass-fail criteria. **All criteria must be fulfilled.**

No	Criteria	Promoter C.1+C.2+C.3
1	Company existence (all)	The project promoter shall be a registered undertaking or a subsidiary of a registered undertaking. The company has to be in existence for at least 1 year before the date of submission (except for projects "Under consideration").
2	Financial strength (all)	The assets of the undertaking or its shareholders shall amount to at least 1 million EUR
3	Technical expertise (all)	The project promoter has the technical expertise to realize the project by its own or by using subcontractors

The following table shows a list of alternative administrative criteria. **At least one criterion must be fulfilled.**

No	Criteria	Promoter C.1+C.2+C.3
4	PCI (all)	The project is a PCI in the latest available PCI list
5	FID (all)	The project has taken the FID status
6	National plan (all)	Inclusion in the latest available National Development Plan (NDP) or National / Governmental Strategy
7	(Pre-)Feasibility study (all)	Completed (Pre-)Feasibility study for the project
8	TSO agreement (UC)	Signed connection agreement with the concerned TSO
9	Decision for studies (UC)	Internal decision of the LSO to perform a feasibility / pre-feasibility study

#### 3.3.2 Technical criteria

The following table shows the list of technical pass-fail criteria. **All criteria must be fulfilled.**

No	Criteria	Promoter C.1+C.2+C.3
10	Technical description (all)	<p>The project shall be a new LNG/CNG terminal/facility or an upgrade of an existing terminal technically suited to transport safely, securely and efficiently increasing pre-defined percentages of liquefied H2 (possibly up to 100%) or contributing to coal to gas switch, to be connected to a gas transmission pipeline as defined in section 3.1.2 (12), aiming at promoting at least one of the following technical features/characteristics:</p> <ul style="list-style-type: none"> <li>- Send-out (regasification or decompression) capacity.</li> <li>- LNG storage capacity.</li> <li>- Range of ship size to be received in an LNG terminal.</li> </ul>
11	Location (all)	The project to be at least partially located in one of the countries included in the geographical perimeter of the TYNDP.

12	Project data (all)	All the project characteristics necessary for the assessment. The detail of this data is included in the TYNDP Project data collection handbook. In addition, the capacity increment of the project at an interconnection point, or at any point within the national transmission system, shall not be 0 after the application of the “Lesser-of” rule. ENTSOG shall make sure that all Operators affected are informed and can confirm the capacity increment at the point to apply the lesser of rule. Projects proposing a capacity increment at a certain IP are usually promoted by the owner Operator <sup>23</sup> , the adjacent Operator <sup>24</sup> at the IP which has been indicated by the owner TSO in the Point Creation Request Form, or a subsidiary of these Operators. In case a potential promoter does not belong to one of the aforementioned categories, this particular promoter must have the written consent <sup>25</sup> of the Owner Operator and the adjacent Operator in order to submit the project for TYNDP.
13	Relevant authority non-binding consent	A project which is not included in the latest NDP shall have the consent of the relevant authority <sup>26</sup> . In case the project is built on several countries (e.g. an interconnection project), the project shall have the consent of at least one of the relevant authorities.

### 3.4 New or repurposed infrastructure to carry hydrogen

#### 3.4.1 Administrative criteria

The following table shows the list of the administrative pass-fail criteria. **All criteria must be fulfilled.**

No	Criteria	Promoter D.1+D.2+D.3
1	Company existence (all)	The project promoter shall be a registered undertaking or a subsidiary of a registered undertaking. The company has to be in existence for at least 1 year before the date of submission (except for projects “Under consideration”).
2	Financial strength (all)	The assets of the undertaking or its shareholders shall amount to at least 500,000 EUR
3	Technical expertise (all)	The project promoter has the technical expertise to realize the project by its own or by using subcontractors

The following table shows a list of alternative administrative criteria. **At least one criterion must be fulfilled.**

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<sup>23</sup> For the purpose of this document, owner TSO is the entity who requested the creation of the interconnection point in the ENTSOG IT System.

<sup>24</sup> Adjacent TSO is the operator with which the interconnection point is connected. The adjacent TSO is indicated by the owner TSO in the Point Creation Request Form.

<sup>25</sup> Informal consents (such as e-mails) are also accepted.

<sup>26</sup> This condition applies only to promoters with a legally obligation to submit projects to a national competent authority.

No	Criteria	Promoter D.1+D.2+D.3
4	FID (all)	The project has taken the FID status
5	IPCEI (all)	The project is included in the Important Projects of Common European Interest list of projects. <sup>27</sup>
6	ECHA (all)	The project is included in the Energy Clean Hydrogen Alliance list of projects.
7	National plan/strategy (all)	Inclusion in a National Development Plan or National / Governmental Strategy
8	(Pre-) Feasibility study (all)	Completed (Pre-) Feasibility study for the project
9	TSO agreement (all)	Signed Agreement with the concerned TSO regarding the cooperation on the submitted project
10	Decision for studies (UC)	Internal decision to perform a feasibility / pre-feasibility study

### 3.4.2 Technical criteria

The following table shows of the list pass-fail criteria. **All criteria must be fulfilled.**

No	Criteria	Promoter D.1+D.2+D.3
9	Technical description	<p>The project shall be:</p> <ul style="list-style-type: none"> <li>- The repurposing of existing pipelines for hydrogen use;</li> <li>- The construction of on- or offshore pipelines to enable the transport of pure hydrogen;</li> <li>- The repurposing of existing storages to enable the storage of pure hydrogen;</li> <li>- The construction of storages to enable the storage of pure hydrogen;</li> <li>- The repurposing of existing LNG terminal for pure hydrogen;</li> <li>- New liquefied hydrogen terminal incl. hydrogen embedded in other chemical substances with the objective of injecting the hydrogen into the grid;</li> <li>- Hydrogen production with network related function</li> <li>- Any other network development to enable production and/or injection of hydrogen;</li> <li>- Any equipment or installation essential for the hydrogen system to operate safely, securely and efficiently or to enable bi-directional capacity, including compressor stations;</li> <li>- Hydrogen deblending;</li> </ul> <p>Note: In case any of the above subcategories include also hydrogen production facility, this should be indicated in the project description and related data (such as capacity) should also be provided.</p>
10	Location	The project to be at least partially located in one of the countries included in the geographical perimeter of the TYNDP.
11	Project data (all)	All the project characteristics necessary for the assessment. The detail of this data is included in the TYNDP Project data collection handbook.

<sup>27</sup> In case the decision for inclusion of the project on the IPCEI list has not been taken at the moment of the project submission for TYNDP, the promoter should inform ENTSOG about this aspect and ENTSOG will decide if the mere application for such a label is enough to meet the selected criterion.

### 3.5 Projects for retrofitting infrastructure to further integrate hydrogen

#### 3.5.1 Administrative criteria

The following table shows the list of the administrative pass-fail criteria. **All criteria must be fulfilled.**

No	Criteria	Promoter E.1+E.2+E.3
1	Company existence (all)	The project promoter shall be a registered undertaking or a subsidiary of a registered undertaking. The company has to be in existence for at least 1 year before the date of submission (except for projects "Under consideration").
2	Financial strength (all)	The assets of the undertaking or its shareholders shall amount to at least 500,000 EUR
3	Technical expertise (all)	The project promoter has the technical expertise to realize the project by its own or by using subcontractors

The following table shows a list of alternative administrative criteria. **At least one criterion must be fulfilled.**

No	Criteria	Promoter E.1+E.2+E.3
4	FID (all)	The project has taken the FID status
5	ECHA (all)	The project is included in the Energy Clean Hydrogen Alliance list of projects.
6	National plan/strategy (all)	Inclusion in a National Development Plan or National / Governmental Strategy
7	(Pre-) Feasibility study (all)	Completed (Pre-) Feasibility study for the project
8	TSO agreement (all)	Signed Agreement with the concerned TSO regarding the cooperation on the submitted project
9	Decision for studies (UC)	Internal decision to perform a feasibility / pre-feasibility study

#### 3.5.2 Technical criteria

The following table shows of the list pass-fail criteria. **All criteria must be fulfilled.**

No	Criteria	Promoter E.1+E.2+E.3
10	Technical description	<p>The project shall aim at retrofitting an existing gas infrastructure to further integrate hydrogen such as:</p> <ul style="list-style-type: none"> <li>- Retrofitting of existing gas pipelines and other network related assets for (bio-) methane-hydrogen blending;</li> <li>- Retrofitting of existing storages for H2 blending;</li> <li>- Retrofitting of existing LNG terminal for blending (storage and/or injection to the natural gas grid);</li> </ul>

		Note: In case any of the above subcategories include also hydrogen production facility, this should be indicated in the project description and related data (such as capacity) should also be provided.
11	Location	The project to be at least partially located in one of the countries included in the geographical perimeter of the TYNDP.
12	Project data (all)	All the project characteristics necessary for the assessment. The detail of this data is included in the TYNDP Project data collection handbook.

### 3.6 Biomethane development projects

#### 3.6.1 Administrative criteria

The following table shows the list of the administrative pass-fail criteria. **All criteria must be fulfilled.**

No	Criteria	Promoter F.1+F.2+F.3
1	Company existence (all)	The project promoter shall be a registered undertaking or a subsidiary of a registered undertaking. The company has to be in existence for at least 1 year before the date of submission (except for projects "Under consideration").
2	Financial strength (all)	The assets of the undertaking or its shareholders shall amount to at least 500,000 EUR
3	Technical expertise (all)	The project promoter has the technical expertise to realize the project by its own or by using subcontractors

The following table shows a list of alternative administrative criteria. **At least one criterion must be fulfilled.**

No	Criteria	Promoter F.1+F.2+F.3
4	FID (all)	The project has taken the FID status
5	National plan/strategy (all)	Inclusion in a National Development Plan or National / Governmental Strategy
6	(Pre-) Feasibility study (all)	Completed (Pre-) Feasibility study for the project
7	TSO agreement (all)	Signed Agreement with the concerned TSO regarding the cooperation on the submitted project
8	Decision for studies (UC)	Internal decision to perform a feasibility / pre-feasibility study

#### 3.6.2 Technical criteria

The following table shows of the list pass-fail criteria. **All criteria must be fulfilled.**

No	Criteria	Promoter F.1+F.2+F.3
9	Technical description	The project shall aim at enabling an increasing share of biomethane such as: - Network development projects enabling biomethane production/injection into the gas grid;

		<p>- A project enabling the reverse transportation between DSO and TSO of biomethane;</p> <p>Note: In case any of the above subcategories include also a biomethane production facility, this should be indicated in the project description and related data (such as capacity) should also be provided.</p>
10	Location	The project to be at least partially located in one of the countries included in the geographical perimeter of the TYNDP.
11	Project data (all)	All the project characteristics necessary for the assessment. The detail of this data is included in the TYNDP Project data collection handbook.

### 3.7 Other infrastructure related projects

#### 3.7.1 Administrative criteria

The following table shows the list of the administrative pass-fail criteria. **All criteria must be fulfilled.**

No	Criteria	Promoter G.1+G.2+G.3
1	Company existence (all)	The project promoter shall be a registered undertaking or a subsidiary of a registered undertaking. The company has to be in existence for at least 1 year before the date of submission (except for projects "Under consideration").
2	Financial strength (all)	The assets of the undertaking or its shareholders shall amount to at least 500,000 EUR
3	Technical expertise (all)	The project promoter has the technical expertise to realize the project by its own or by using subcontractors

The following table shows a list of alternative administrative criteria. **At least one criterion must be fulfilled.**

No	Criteria	Promoter G.1+G.2+G.3
4	FID (all)	The project has taken the FID status
5	National plan/strategy (all)	Inclusion in a National Development Plan or National / Governmental Strategy
6	(Pre-) Feasibility study (all)	Completed (Pre-) Feasibility study for the project
7	TSO agreement (all)	Signed Agreement with the concerned TSO regarding the cooperation on the submitted project
8	Decision for studies (UC)	Internal decision to perform a feasibility / pre-feasibility study

#### 3.7.2 Technical criteria

The following table shows of the list pass-fail criteria. **All criteria must be fulfilled.**

No	Criteria	Promoter G.1+G.2+G.3
9	Technical description	The project shall aim at contributing to the decarbonization of the economy with projects such as:

		<ul style="list-style-type: none"> <li>- Hydrogen production facilities other than the ones included in category HYD</li> <li>- Projects enabling the production, reception, injection, transportation or end-use supply of hydrogen;</li> <li>- Biomethane production facilities;</li> <li>- Synthetic methane projects aiming at decarbonizing the gas grids;</li> <li>- A project related to the transport sector (incl. road, railway, aviation and maritime transport);</li> <li>- The conversion of natural gas network for CO2 transport or storage;</li> <li>- Dedicated projects to reduce methane emission in existing infrastructure;</li> <li>- Projects enabling gas- electricity integration;</li> <li>- Any other infrastructure related projects;</li> </ul>
10	Location	The project to be at least partially located in one of the countries included in the geographical perimeter of the TYNDP.
11	Project data (all)	All the project characteristics necessary for the assessment. The detail of this data is included in the TYNDP Project data collection handbook.

#### 4 Data handling and access to the assessment

##### 4.1 Access to and usage of the provided data and documentation

The **documents** provided by the project promoters during the submission phase to prove the fulfilment of the administrative and technical criteria **will be solely used by ENTSOG** to ensure compliance with the criteria defined in this document and will be treated as confidential by ENTSOG, in line with the internal rules, unless already public. However, upon request, ENTSOG will make available to the European Commission (EC) and the Agency for Cooperation of Energy Regulators (ACER) data and documentation provided by the promoters as part of the project submission phase. In this respect, EC and ACER will comply with the confidentiality provisions. Project promoters will be beforehand informed about the request and subsequent transmission of the data and documentation. In case of projects applying for PCI, all the technical data (including costs) will be made available to the European Commission and the Agency for Cooperation of Energy Regulators upon their request.

The documents provided by the project promoters are not intended to include any personal data. Should it however be the case, ENTSOG would in any case not process such data without the prior written consent of the concerned data subject. Any data (personal or not) will be processed by ENTSOG for the exclusive purposes described in this practical implementation document. Without prejudice to previous paragraph, in any case, unless otherwise and expressly stated in this document, any personal data shall not be used for any other purposes, and, in particular, shall not be communicated to third parties for commercial use or direct marketing purposes. These data are handled in accordance with the Belgian Act of 8 December 1992 on the protection of privacy in relation to the processing of personal data and in

accordance with the General Data Protection Regulation (“GDPR”, the Regulation (EU) 2016/679)<sup>28</sup>.

The technical input provided by the project promoters as part of the project data collection as well as the benefits of the projects assessed in accordance with the CBA methodology in force will be made public by ENTSOG within the TYNDP processes and TYNDP reports.

The cost data submitted by the project promoters for the projects to be included in the TYNDPs will be made public by ENTSOG unless the data is deemed confidential by the respective project promoters. Such confidentiality should be however duly justified. Failing to provide the full disclosure of CAPEX/OPEX costs for a project may trigger the non-inclusion of the project in TYNDP following discussions with EC and ACER.

At the same time, it is important that projects interested in applying for the PCI label ensure the highest possible level of transparency and level-playing field. On this basis, in case of projects having indicated their intention to participate to the PCI process, the project costs are fully disclosed.

#### 4.2 Correction of project input data

The project promoter is **fully responsible for the correctness and completeness of the information** that it provides in the TYNDP process.

In case of incomplete submission of information during the application period, ENTSOG will send a request to the Project promoter to complete the missing information within a specific window of submission.

In case the missing information is not provided to ENTSOG and, where applicable, this missing information prevents the TYNDP assessment, this specific project will be disregarded, and not included in the TYNDP.

With respect to the corrections of the project information, they shall be dealt with in the following manner:

- In case of incorrect information submitted within the data collection window the project promoter shall perform the correction of the data through the ENTSOG project portal, not later than by the end of the validation phase.
- Between the validation phase and the draft TYNDP public consultation, project promoter shall inform ENTSOG by e-mail of any incorrect information as long as it refers to elements that would not impact on the TYNDP assessment and TYNDP timeline. This correction will be included in the respective TYNDP project sheet and be clearly labelled with the date of information submission.

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<sup>28</sup> ENTSOG will in any case fulfil this privacy policy: <https://entsog.eu/index.php/privacy-policy-and-terms-use>.

#### 4.3 Access to assessment results

Where relevant and in accordance with the CBA methodology in force and in line with the timeline described in section 2, ENTSOG will deliver to the project promoters at least one month in advance of the final TYNDP publication their project's assessment results, if not differently specified in the latest available Annual Working Programme<sup>29</sup>. If deemed necessary, a request can be made to ENTSOG for a bilateral meeting by sending a request to the contact details as set out in Annex 1 of this document. This request should include a brief description of the topics and issues that the project promoter may wish to discuss, including the project promoters' upcoming availability.

ENTSOG will be hosting public workshops at key stages in the development of the TYNDP to consult on the associated methodologies and results. Project promoters are strongly advised to contribute through these workshops to the ongoing development of the TYNDP. These workshops are advertised on ENTSOG's website.

#### 4.4 Right to request a review

All information submitted in the ENTSOG project data collection template as part of the application process for TYNDP shall be treated in line with section 4.1 above.

A promoter has the right to request a review by ENTSOG in two cases:

- In case of disagreement with the ENTSOG decision to reject its project from inclusion in the TYNDP;
- In case of a disagreement with ENTSOG's assessment of its project conducted in accordance with the CBA methodology in force.

In both cases, the concerned project promoter shall contest ENTSOG decision by email within two weeks from the notification of the project rejection (as per section 2) or, respectively from the receipt of the assessment results. ENTSOG may consult with the European Commission and the Agency and if deemed necessary, it may also consult on an ad-hoc basis the relevant stakeholders. ENTSOG will respond to the project promoter contestation after duly examining the project promoter's justifications and duly taking into account the views expressed by the consulted parties.

The following elements - considered as having been already consulted with stakeholders earlier in the process, agreed upon and finalised – **are not to be open for discussion within the project assessment review phase**: scenario assumptions and data, CBA methodologies in force and project data submitted within the process.

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<sup>29</sup> The ENTSOG Annual Working Programme is a document detailing all the activities to be performed by ENTSOG within a calendar year, including an indicative calendar. The Programme is prepared in accordance with the Regulation 715/2009 and it is available on ENTSOG website.

## 5 Project status in TYNDP

Depending on their level of maturity projects are categorized along different status. Those status are a pre-requisite for the definition of the infrastructure levels to be used in the TYNDP assessment.

Each project status is directly derived from the information provided by its promoter when submitted for inclusion in the TYNDP:

- The **FID status** of a project corresponds to a project that has taken the final investment decision ahead of TYNDP project collection.
- the **Advanced status** is applied to all non-FID projects that, based on the information submitted, have:
  - commissioning year expected at the latest by 31st December of the year of the TYNDP project data collection + 6 (e.g. 2027 in case of TYNDP 2022, for which projects are collected in 2021)
  - and
    - whose permitting phase has started ahead of the TYNDP project data collection OR
    - FEED has started (or the project has been selected for receiving CEF<sup>30</sup> grants for FEED<sup>31</sup> ahead of the TYNDP project data collection).
- All projects which do not meet the criteria of being FID or Advanced are considered as having the **Less-Advanced status**.

Additionally, the **PCI status** is assigned to a project which is part of the latest approved Union list of Projects of common interest (The PCI List) referred to in Article 3 of the Regulation 347/2013, irrespective of the above-mentioned project status.

## 6 Common guidelines for projects relevant for joint ENTSOG and ENTSO-E assessment

In 2020, ENTSO-E and ENTSOG have joined forces to further test, verify and develop draft project screening and dual assessment methodologies based upon the outcome of the report “Investigation on the interlinkage between gas and electricity scenario and infrastructure projects assessment”. A Progress Report was then published in May 2021<sup>32</sup>.

In the context of this investigation, ENTSOG and ENTSO-E have identified some projects that can have a direct impact on both gas and electricity side. This is the case of projects integrating electrolyzers or steam methane reformers technologies with other infrastructural projects (e.g. project hubs integrating renewable production with electrolyser(s) + H2 pipeline(s) and/or electricity transmission line(s)). As stated in the Progress Report, these projects might have different characteristics and configurations. In such case, an ad hoc assessment would

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<sup>30</sup> Connecting Europe Facility

<sup>31</sup> Front End Engineering Design.

<sup>32</sup> <https://www.entsog.eu/sites/default/files/2021-05/ILM%20Investigation%20Document.pdf>



be carried by ENTSOG and ENTSO-E to ensure that all relevant interlinkages are duly considered.

ENTSOG and ENTSO-E will consider that the aforementioned assessment will also have to be compatible with new TEN-E regulation.

The TYNDP 2022 Practical Implementation Document and the ENTSOG Project Portal have been adapted to ensure that all the relevant information will be collected and available for the joint project assessment in case it has to be carried out by ENTSOG and ENTSO-E.

Project promoters developing these types of projects are encouraged to submit their project to both ENTSOG and ENTSO-E TYNDPs. In case of (some) information will be submitted to only one of the two ENTSO's TYNDP, the concerned ENTSO will share all the collected project information relevant for the joint assessment with the other ENTSO.

## 7 Annex 1: Required documentation to prove the fulfilment of administrative and technical criteria

All documents necessary to prove the fulfilment of administrative and technical criteria shall be provided together with the submission of the project during the project data collection phase. In case of documents provided in the promoter's national language, promoters should provide at the request of ENTSOG, a specific document (or part of it) in English language.

### 7.1 Transmission projects

#### 7.1.1 Administrative documentation

Information requested to fulfil the administrative pass-fail criteria:

No	Criteria	Promoter type		
		A.1	A.2	A.3 <sup>33</sup>
1	Company existence (all)	Already available	Proof of certification/exemption	The constitutive act/statutes of the registered undertaking
2	Financial strength (all)	Already available	Proof of exemption	The latest available balance sheets submitted to the national tax office (shareholders' balance sheets are also accepted). For companies younger than 1 year this information is to be proven with the company existence documentation.
3	Technical expertise (all)	Already available	Proof of exemption	Information on the company and its technical expertise, including references from other relevant projects or existing infrastructure, organisational chart, CVs of key personnel. In case of subcontractors, a copy of the contract has to be provided. Anonymised and truncated documents are accepted if they are fit for the purpose.

Information requested to fulfil the administrative alternative criteria. **At least one criterion must be fulfilled.**

No	Criteria	Promoter A.1+A.2+A.3
4	PCI (all)	PCI number and definition as in the latest approved EC published PCI list.
5	FID (all)	FID status to be taken before of the project data collection and to be indicated as such in the project submission questionnaire as part of the project data collection.

<sup>33</sup> In case the project promoter is a Governmental Body at national level, the document to be provided as a proof of fulfilling the Administrative criteria is the Legal basis for the establishment of the Governmental Body.

6	National plan (all)	The reference code of the project in the latest available National Development Plan <sup>34</sup> . When the NDP does not use project codes, promoters can indicate the name of the project as labelled in the NDP.
7	Incremental capacity (all)	Positive NRA decision for capacity allocation process.
8	(Pre-)Feasibility study (all)	Completed (Pre-)Feasibility study <sup>35</sup> performed for the project.
9	MS / NRA agreement (UC)	The signed agreement on the project between the TSO and the relevant MSs or NRAs of the impacted countries, and the recent amendments for it if any.
10	TSO agreement (UC)	The signed common agreement with the concerned TSO(s) regarding the development of the submitted project.
11	Decision for studies (UC)	Documents proving the launch of a tender for a feasibility / pre-feasibility study OR (In case the study is performed in-house or the tender has not been launched yet) a formal written statement <sup>36</sup> of the concerned TSO(s) to perform a feasibility / pre-feasibility study

**NOTE:** In case of projects of gas equipment or installation such as gas compressor stations, regulation stations, etc., the information requested in section 6.1.1 shall apply. The technical proof for these projects to be included in the TYNDP is that the respective equipment or installation is part/connected of/to a gas transmission system.

#### 7.1.2 Technical documentation

Information requested to fulfil the technical pass-fail criteria:

No	Criteria	Promoter A.1+A.2+A.3
12	Technical description (all)	The technical description (and relevant documents when requested <sup>37</sup> ) which demonstrates the compliance of the project with the criterion described in 3.1.2 (12) shall be provided in the project Data Collection Portal ("Project Description" box) when the promoter submits the project for the TYNDP and should be consistent with the specific project data.
13	Location (all)	Location of the project (using ENTSOG map layout)

<sup>34</sup> Preferably the National Development Plan (NDP) should be the APPROVED version. However, in case of projects "Under consideration" or other exceptional cases of projects, inclusion in a DRAFT NDP is also accepted.

<sup>35</sup> The feasibility/pre-feasibility study shall not be older than 4 years at the date of submitting the project.

<sup>36</sup> Formal written statement means a document signed by the relevant personnel by which the company commits to perform the relevant activities.

In order to demonstrate that a project is technically suited to transport safely, securely and efficiently increasing percentages of H2 (possibly up to 100%) or that a project contributes to coal to gas switch, promoters are requested to upload in dedicated fields within the project portal a one-page document in English providing the necessary information/clarification in this respect. Promoters are encouraged to provide additional technical information from existing project documentation, or they could be asked to provide it in case of need for further verification.

14	Project data (all)	To be provided as part of the project data collection in line with ENTSOG handbook. The resulting capacity increment of the project at an interconnection point after the application of the "Lesser-of" rule can be checked by the promoter in the report "Capacities after Lesser-of rule" available on the Project portal.
15	Relevant authority non-binding consent	Non-binding written consent of the relevant authority (applicable only for projects not included in the latest NDP). In case the project is built on several countries (e.g. an interconnection project), the project shall have the consent of at least one of the relevant authorities. If the non-binding consent cannot be provided during the project submission phase due to the duration of the procedure of issuing it, the consent can be provided also during the project correction phase.

## 7.2 Storage projects

### 7.2.1 Administrative documentation

Information requested to fulfil the administrative pass-fail criteria is presented in the tables below.

No	Criteria	Promoter type		
		B.1	B.2	B.3 <sup>38</sup>
1	Company existence (all)	Already available	Proof of certification/exemption	The constitutive act/statutes of the registered undertaking
2	Financial strength (all)	Already available	Proof of exemption	The latest available balance sheets submitted to the national tax office (shareholders' balance sheets are also accepted). For companies younger than 1 year this information is to be proven with the company existence documentation.
3	Technical expertise (all)	Already available	Proof of exemption	Information on the company and its technical expertise, including references from other relevant projects or existing infrastructure, organisational chart, CVs of key personnel. In case of subcontractors, a copy of the contract has to be provided. Anonymised and truncated documents are accepted if they are fit for the purpose.

Information requested to fulfil the administrative alternative criteria. **At least one criterion must be fulfilled.**

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<sup>38</sup> In case the project promoter is a Governmental Body at national level, the document to be provided as a proof of fulfilling the Administrative criteria is the Legal basis for the establishment of the Governmental Body.

No	Criteria	Promoter B.1+B.2+B.3
4	PCI (all)	PCI number and definition as in the latest approved EC published PCI list.
5	FID (all)	FID status to be taken before of the project data collection and to be indicated as such in the project submission questionnaire as part of the project data collection.
6	National plan (all)	The reference code of the project in the latest available National Development Plan <sup>39</sup> . When the NDP does not use project codes, promoters can indicate the name of the project as labelled in the NDP.
7	(Pre-)Feasibility study (all)	Completed (Pre-)The feasibility study <sup>40</sup> performed for the project.
8	TSO agreement (UC)	The signed connection agreement with the impacted TSO.
9	Decision for studies (UC)	Documents proving the launch of a tender for a feasibility / pre-feasibility study OR (In case the study is performed in-house or the tender has not been launched yet) (i) formal written statement <sup>41</sup> of the SSO to perform a feasibility / pre-feasibility study or (ii) official request of the SSO to the concerned TSO(s) to perform the feasibility / pre-feasibility study

### 7.2.2 Technical documentation

Information requested to fulfil the technical pass-fail criteria:

No	Criteria	Promoter B.1+B.2+B.3
10	Storage facility	The technical description (and relevant documents when requested <sup>42</sup> ) which demonstrates the compliance of the project with the criterion described in 3.2.2 (10) shall be provided in the project Data Collection Portal ("Project Description" box) when the promoter submits the project for the TYNDP and should be consistent with the specific project data.
11	Location	Location of the project in the ENTSOG map
12	Project data	To be provided as part of the project data collection in line with ENTSOG handbook.

<sup>39</sup> Preferably the National Development Plan (NDP) should be the APPROVED version. However, in case of projects "Under consideration" or other exceptional cases of projects, inclusion in a DRAFT NDP is also accepted.

<sup>40</sup> The feasibility/pre-feasibility study shall not be older than 4 years at the date of submitting the project.

<sup>41</sup> Formal written statement means a document signed by the relevant personnel by which the company commits to perform the relevant activities.

<sup>42</sup> In order to demonstrate that a project is technically suited to transport safely, securely and efficiently increasing percentages of H2 (possibly up to 100%) or that a project contributes to coal to gas switch, promoters are requested to upload in dedicated fields within the project portal a one-page document in English providing the necessary information/clarification in this respect. Promoters are encouraged to provide additional technical information from existing project documentation, or they could be asked to provide it in case of need for further verification.

		The resulting capacity increment of the project at an interconnection point after the application of the “Lesser-of” rule can be checked by the promoter in the report “Capacities after Lesser-of rule” available on the Project portal.
13	Relevant authority non-binding consent	Non-binding written consent of the relevant authority (applicable only for projects not included in the latest NDP) In case the project is built on several countries (e.g. an interconnection project), the project shall have the consent of at least one of the relevant authorities. If the non-binding consent cannot be provided during the project submission phase due to the duration of the procedure of issuing it, the consent can be provided also during the project correction phase.

## 7.3 LNG projects and CNG projects

### 7.3.1 Administrative documentation

Information requested to fulfil the administrative pass-fail criteria is presented in the tables below.

No	Criteria	Promoter type		
		C.1	C.2	C.3 <sup>43</sup>
1	Company existence (all)	Already available	Proof of certification/exemption	The constitutive act/statutes of the registered undertaking
2	Financial strength (all)	Already available	Proof of exemption	The latest available balance sheets submitted to the national tax office (shareholders' balance sheets are also accepted). For companies younger than 1 year this information is to be proven with the company existence documentation.
3	Technical expertise (all)	Already available	Proof of exemption	Information on the company and its technical expertise, including references from other relevant projects or existing infrastructure, organisational chart, CVs of key personnel. In case of subcontractors, a copy of the contract has to be provided. Anonymised and truncated documents are accepted if they are fit for the purpose.

Information requested to fulfil the administrative alternative criteria. **At least one criterion must be fulfilled.**

No	Criteria	Promoter C.1+C.2+C.3
4	PCI (all)	PCI number and definition as in the latest approved EC published PCI list.

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<sup>43</sup> In case the project promoter is a Governmental Body at national level, the document to be provided as a proof of fulfilling the Administrative criteria is the Legal basis for the establishment of the Governmental Body.

5	FID (all)	FID status to be taken before of the project data collection and to be indicated as such in the project submission questionnaire as part of the project data collection.
6	National plan (all)	The reference code of the project in the latest available National Development Plan <sup>44</sup> . When the NDP does not use project codes, promoters can indicate the name of the project as labelled in the NDP.
7	(Pre-)Feasibility study (all)	Completed (Pre-)feasibility study <sup>45</sup> performed for the project
8	TSO agreement (UC)	The signed connection agreement with the impacted TSO.
9	Decision for studies (UC)	Documents proving the launch of a tender for a feasibility / pre-feasibility study OR (In case the study is performed in-house or the tender has not been launched yet) (i) formal written statement <sup>46</sup> of the LSO to perform a feasibility / pre-feasibility study or (ii) official request of the LSO to the concerned TSO(s) to perform the feasibility / pre-feasibility study

### 7.3.2 Technical documentation

Information requested to fulfil the technical pass-fail criteria:

No	Criteria	Promoter C.1+C.2+C.3
10	LNG facility (all)	The technical description (and relevant documents when requested <sup>47</sup> ) which demonstrates the compliance of the project with the criterion described in section 3.3.2 (9) shall be provided in the project Data Collection Portal (“Project Description” box) when the promoter submits the project for the TYNDP and should be consistent with the specific project data.
11	Location	Location of the project in the ENTSOG map
12	Project data	To be provided as part of the project data collection in line with ENTSOG handbook. The resulting capacity increment of the project at an interconnection point after the application of the “Lesser-of” rule can be checked by the promoter in the report “Capacities after Lesser-of rule” available on the Project portal.

<sup>44</sup> Preferably the National Development Plan (NDP) should be the APPROVED version. However, in case of projects “Under consideration” or other exceptional cases of projects, inclusion in a DRAFT NDP is also accepted.

<sup>45</sup> The feasibility/pre-feasibility study shall not be older than 4 years at the date of submitting the project.

<sup>46</sup> Formal written statement means a document signed by the relevant personnel by which the company commits to perform the relevant activities.

<sup>47</sup> In order to demonstrate that a project is technically suited to transport safely, securely and efficiently increasing percentages of H2 or that a project contributes to coal to gas switch, promoters are requested to upload in dedicated fields within the project portal a one-page document in English providing the necessary information/clarification in this respect. Promoters are encouraged to provide additional technical information from exiting project documentation, or they could be asked to provide it in case of need for further verification.

13	Relevant authority non-binding consent	Non-binding written consent of the relevant authority (applicable only for projects not included in the latest NDP). In case the project is built on several countries (e.g. an interconnection project), the project shall have the consent of at least one of the relevant authorities. If the non-binding consent cannot be provided during the project submission phase due to the duration of the procedure of issuing it, the consent can be provided also during the project correction phase.
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## 7.4 New or repurposed infrastructure to carry hydrogen

### 7.4.1 Administrative documentation

In case of a joint venture supporting the project, the Administrative criteria 1 to 3 below (company existence, financial strength and technical expertise) have to be fulfilled by at least one company from the joint venture. The proofing documents to be submitted should be related to the selected company.

Information requested to fulfil the pass-fail criteria:

No	Criteria	Promoter type		
		D.1	D.2	D.3
1	Company existence (all)	Already available	Proof of certification/exemption	The constitutive act/statutes of the registered undertaking
2	Financial strength (all)	Already available	Proof of exemption	The latest available balance sheets submitted to the national tax office (shareholders' balance sheets are also accepted). For companies younger than 1 year this information is to be proven with the company existence documentation.
3	Technical expertise (all)	Already available	Proof of exemption	Information on the company and its technical expertise, including references from other relevant projects or existing infrastructure, organisational chart, CVs of key personnel. In case of subcontractors, a copy of the contract has to be provided. Anonymised and truncated documents are accepted if they are fit for the purpose.

Information requested to fulfil the administrative alternative criteria. **At least one criterion must be fulfilled.**

No	Criteria	Promoter D.1+D.2+D.3
4	FID (all)	FID status to be taken before of the project data collection and to be indicated as such in the project submission questionnaire as part of the project data collection.
5	IPCEI	Link to the Important Projects of Common European Interest list of projects list of projects or any other relevant document proofing that project is included in the IPCEI list.
6	ECHA	Link to the Energy Clean Hydrogen Alliance list of projects or any other relevant document proofing that project is included in the ECHA list.

7	National plan/ strategy (all)	The reference/web link to the latest available National Plan / Strategy
8	(Pre-)Feasibility study (all)	Completed (Pre-)Feasibility study <sup>48</sup> performed for the project.
9	TSO agreement (all)	Agreement (or similar document) with the concerned TSO(s) regarding the cooperation of the parties on the submitted project.
10	Decision for studies (UC)	Documents proving the launch of a tender for a feasibility / pre-feasibility study OR (In case the study is performed in-house, or the tender has not been launched yet) a formal written statement <sup>49</sup> of the concerned TSO(s) to perform a feasibility / pre-feasibility study

#### 7.4.2 Technical documentation

Information requested to fulfil the technical pass-fail criteria:

No	Criteria	Promoter D.1+D.2+D.3
11	Technical description	The technical description which demonstrates the compliance of the project with the criterion described in section 3.4.2 (9) shall be provided in the project Data Collection Portal ("Project Description" box) when the promoter submits the project for the TYNDP, and should be consistent with the specific project data.
12	Location	Location of the project in the ENTSOG map.
13	Project data	To be provided as part of the project data collection in line with ENTSOG handbook

## 7.5 Projects for retrofitting infrastructure to further integrate hydrogen

#### 7.5.1 Administrative documentation

In case of a joint venture supporting the project, the Administrative criteria 1 to 3 below (company existence, financial strength and technical expertise) have to be fulfilled by at least one company from the joint venture. The proofing documents to be submitted should be related to the selected company.

Information requested to fulfil the pass-fail criteria:

No	Criteria	Promoter type		
		E.1	E.2	E.3
1	Company existence (all)	Already available	Proof of certification/exemption	The constitutive act/statutes of the registered undertaking

<sup>48</sup> The feasibility/pre-feasibility study shall not be older than 4 years at the date of submitting the project.

<sup>49</sup> Formal written statement means a document signed by the relevant personnel by which the company commits to perform the relevant activities.

2	Financial strength (all)	Already available	Proof of exemption	The latest available balance sheets submitted to the national tax office (shareholders' balance sheets are also accepted). For companies younger than 1 year this information is to be proven with the company existence documentation.
3	Technical expertise (all)	Already available	Proof of exemption	Information on the company and its technical expertise, including references from other relevant projects or existing infrastructure, organisational chart, CVs of key personnel. In case of subcontractors, a copy of the contract has to be provided. Anonymised and truncated documents are accepted if they are fit for the purpose.

Information requested to fulfil the administrative alternative criteria. **At least one criterion must be fulfilled.**

No	Criteria	Promoter E.1+E.2+E.3
4	FID (all)	FID status to be taken before of the project data collection and to be indicated as such in the project submission questionnaire as part of the project data collection.
5	ECHA	Link to the Energy Clean Hydrogen Alliance list of projects or any other relevant document proofing that project is included in the ECHA list.
6	National plan/ strategy (all)	The reference/web link to the latest available National Plan / Strategy
7	(Pre-)Feasibility study (all)	Completed (Pre-)Feasibility study <sup>50</sup> performed for the project.
8	TSO agreement (all)	Agreement (or similar document) with the concerned TSO(s) regarding the cooperation of the parties on the submitted project.
9	Decision for studies (UC)	Documents proving the launch of a tender for a feasibility / pre-feasibility study OR (In case the study is performed in-house, or the tender has not been launched yet) a formal written statement <sup>51</sup> of the concerned TSO(s) to perform a feasibility / pre-feasibility study

### 7.5.2 Technical documentation

Information requested to fulfil the technical pass-fail criteria:

No	Criteria	Promoter E.1+E.2+E.3
10	Technical description	The technical description which demonstrates the compliance of the project with the criterion described in section 3.5.2 (9) shall be provided in the project Data Collection Portal ("Project Description" box) when the promoter submits the project for the TYNDP, and should be consistent with the specific project data.
11	Location	Location of the project in the ENTSOG map.
12	Project data	To be provided as part of the project data collection in line with ENTSOG handbook

<sup>50</sup> The feasibility/pre-feasibility study shall not be older than 4 years at the date of submitting the project.

<sup>51</sup> Formal written statement or information by which the company commits to perform the relevant activities.

## 7.6 Biomethane developments projects

### 7.6.1 Administrative documentation

In case of a joint venture supporting the project, the Administrative criteria 1 to 3 below (company existence, financial strength and technical expertise) have to be fulfilled by at least one company from the joint venture. The proofing documents to be submitted should be related to the selected company.

Information requested to fulfil the pass-fail criteria:

No	Criteria	Promoter type		
		F.1	F.2	F.3
1	Company existence (all)	Already available	Proof of certification/exemption	The constitutive act/statutes of the registered undertaking
2	Financial strength (all)	Already available	Proof of exemption	The latest available balance sheets submitted to the national tax office (shareholders' balance sheets are also accepted). For companies younger than 1 year this information is to be proven with the company existence documentation.
3	Technical expertise (all)	Already available	Proof of exemption	Information on the company and its technical expertise, including references from other relevant projects or existing infrastructure, organisational chart, CVs of key personnel. In case of subcontractors, a copy of the contract has to be provided. Anonymised and truncated documents are accepted if they are fit for the purpose.

Information requested to fulfil the administrative alternative criteria. **At least one criterion must be fulfilled.**

No	Criteria	Promoter F.1+F.2+F.3
4	FID (all)	FID status to be taken before of the project data collection and to be indicated as such in the project submission questionnaire as part of the project data collection.
5	National plan/ strategy (all)	The reference/web link to the latest available National Plan / Strategy
6	(Pre-)Feasibility study (all)	Completed (Pre-)Feasibility study <sup>52</sup> performed for the project.
7	TSO agreement (all)	Agreement (or similar document) with the concerned TSO(s) regarding the cooperation of the parties on the submitted project.
8	Decision for studies (UC)	Documents proving the launch of a tender for a feasibility / pre-feasibility study OR (In case the study is performed in-house, or the tender has not been launched yet) a formal written statement <sup>53</sup> of the concerned TSO(s) to perform a feasibility / pre-feasibility study

<sup>52</sup> The feasibility/pre-feasibility study shall not be older than 4 years at the date of submitting the project.

<sup>53</sup> Formal written statement or information by which the company commits to perform the relevant activities.

### 7.6.2 Technical documentation

Information requested to fulfil the technical pass-fail criteria:

No	Criteria	Promoter F.1+F.2+F.3
9	Technical description	The technical description which demonstrates the compliance of the project with the criterion described in section 3.5.2 (9) shall be provided in the project Data Collection Portal ("Project Description" box) when the promoter submits the project for the TYNDP, and should be consistent with the specific project data.
10	Location	Location of the project in the ENTSOG map.
11	Project data	To be provided as part of the project data collection in line with ENTSOG handbook

## 7.7 Other infrastructure related projects

### 7.7.1 Administrative documentation

In case of a joint venture supporting the project, the Administrative criteria 1 to 3 below (company existence, financial strength and technical expertise) have to be fulfilled by at least one company from the joint venture. The proofing documents to be submitted should be related to the selected company.

Information requested to fulfil the pass-fail criteria:

No	Criteria	Promoter type		
		G.1	G.2	G.3
1	Company existence (all)	Already available	Proof of certification/exemption	The constitutive act/statutes of the registered undertaking
2	Financial strength (all)	Already available	Proof of exemption	The latest available balance sheets submitted to the national tax office (shareholders' balance sheets are also accepted). For companies younger than 1 year this information is to be proven with the company existence documentation.
3	Technical expertise (all)	Already available	Proof of exemption	Information on the company and its technical expertise, including references from other relevant projects or existing infrastructure, organisational chart, CVs of key personnel. In case of subcontractors, a copy of the contract has to be provided. Anonymised and truncated documents are accepted if they are fit for the purpose.

Information requested to fulfil the administrative alternative criteria. **At least one criterion must be fulfilled.**

No	Criteria	Promoter G.1+G.2+G.3
4	FID (all)	FID status to be taken before of the project data collection and to be indicated as such in the project submission questionnaire as part of the project data collection.
5	National plan/ strategy	The reference/web link to the latest available National Plan / Strategy

	(all)	
6	(Pre-)Feasibility study (all)	Completed (Pre-)Feasibility study <sup>54</sup> performed for the project.
7	TSO agreement (all)	Agreement (or similar document) with the concerned TSO(s) regarding the cooperation of the parties on the submitted project.
8	Decision for studies (UC)	Documents proving the launch of a tender for a feasibility / pre-feasibility study OR (In case the study is performed in-house, or the tender has not been launched yet) a formal written statement <sup>55</sup> of the concerned TSO(s) to perform a feasibility / pre-feasibility study

#### 7.7.2 Technical documentation

Information requested to fulfil the technical pass-fail criteria:

No	Criteria	Promoter G.1+G.2+G.3
9	Technical description	The technical description which demonstrates the compliance of the project with the criteria described in section 3.7.2 (9) shall be provided in the project Data Collection Portal ("Project Description" box) when the promoter submits the project for the TYNDP, and should be consistent with the specific project data.
10	Location	Location of the project in the ENTSOG map.
11	Project data	To be provided as part of the project data collection in line with ENTSOG handbook

### 8 Annex 2: ENTSOG contact details

ENTSOG can be contacted for this specific topic by using the following contact details:

- Email: [projects@entsog.eu](mailto:projects@entsog.eu)
- Address: Avenue de Cortenbergh 100, 1000, Brussels, Belgium

### 9 Annex 3: ENTSOG Data Portal Handbook

Document is provided via a separate link.

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<sup>54</sup> The feasibility/pre-feasibility study shall not be older than 4 years at the date of submitting the project.

<sup>55</sup> Formal written statement means a document signed by the relevant personnel by which the company commits to perform the relevant activities.