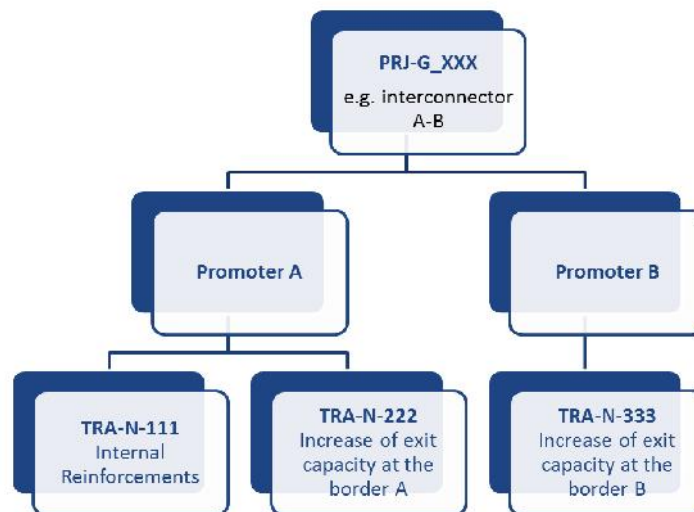


Annex A Glossary

Spreadsheet 1 - PRJ Groups Main Info

Often, a number of functionally-related project items need to be implemented for their benefit(s) to materialise. For example, in case of an interconnector connecting two (or more) countries, two different promoters are usually involved in realising the two sections of the same interconnector. It is clear in this case that the two sections of the interconnector are meant to be built and used unequivocally together. To facilitate ENTSG task in identifying these projects, starting with the TYNDP 2018 edition, promoters were asked to indicate whether their submission is part of one common “functional project” like in the example below.



- > PRJ Code, PRJ Name and PRJ Group Description: they indicate the common code, common name and description of the “functional project” whose different submissions are part of;
- > PRJ Status: is the maturity status of the “functional project”. This is calculated as the minimum between the maturity status of the different projects composing the PRJ aggregation (e.g. if project 1 is “FID” and project 2 is “non-FID Less-Advanced”, the PRJ aggregating the two submissions will be “non-FID Less-Advanced”);
- > PRJ Commissioning Year First and Last: they respectively indicate the commissioning year of the first project part of the PRJ to be commissioned and of the last project part of the PRJ to be commissioned;
- > Code of Individual Projects: TYNDP code of each single project composing the PRJ aggregation;
- > Project Name, Project Promoter and Project Host Country: respectively name, promoter and hosting country of the single project part of the PRJ aggregation.

Spreadsheet 2 - Investment Project Main Info

This section lists all the main information of all the projects submitted to TYNDP 2018.

- > PRJ Code, PRJ Name and PRJ Status: see page 1;
- > Code: TYNDP code of each single TYNDP 2018 project;
- > Project Name: TYNDP 2018 project name;
- > Country: hosting country where the project will be built. In case of a single project crossing more countries only the first country concerned is displayed
- > Promoter: the subject (being a private company, a ministry, etc.) promoting the projects;
- > Maturity status: reflects the level of advancement of the submitted projects. A project can be FID, non-FID Advanced or non-FID Less-Advanced¹;
- > PCI 3rd List, PCI 3rd List Code and PCI Priority Corridors: respectively indicate whether the project is part of the latest available Project of Common Interest (PCI) List ([link](#)), the related PCI code and the energy corridors identified in the PCI process;
- > Intention to Apply to 4th PCI List: it represents only a declaration of intention to apply to the next PCI round and does not automatically translates into the application of the project to the next PCI round. The PCI selection is in fact a process separated from the TYNDP process and under the responsibility of the TEN-E Regional Groups led by the European Commission. For projects which expressed intention to apply for 4th PCI list, ENTSOG run the PS-CBA modelling.
- > First and Last Commissioning Year: in case of projects bringing more than one capacity increment to a specific point, these fields indicate the commissioning year of the first capacity increment of the project and that of the last capacity increment to be commissioned;
- > Project CAPEX Confidential²: indicates the confidentiality status of the CAPEX as expressed by the promotor during the TYNDP 2018 project collection. As such, there are four different statuses possible:

¹ More details on the maturity status (“project status”) definition are available in the ENTSOG Practical Implementation Document at the following link:

https://www.entsog.eu/public/uploads/files/publications/TYNDP/2018/TYNDP062_180119_Practical_Implementation_Document_FINAL.pdf

² During the TYNDP 2018 Project Data Collection, promoters were asked to indicate whether their costs are confidential or not. Annex A displays the costs provided by the promoters (as of February 2018, end of TYNDP 2018 project collection), unless declared confidential. The amounts provided can differ from the figures used by the project promoters in other contexts, where costs can be updated and/or evaluated using different methodologies or assumptions. For the purposes of Annex A, in case promoters identified their costs as confidential and indicated (always during the TYNDP 2018 Project Data Collection) its intention to apply to the PCI process, ALTERNATIVE COSTS have been directly calculated by ENTSOG (and mainly based on ACER Unit Investment Cost Report⁽¹⁾) OR provided by the promoter itself.

- Non-Confidential: means that project promoter marked the project CAPEX as “non-confidential” so the CAPEX figure is published in the column “Project CAPEX”;
 - Confidential: means that project promoter marked the project CAPEX as “confidential” so the CAPEX figure is not published in the column “Project CAPEX”. This status is available only for projects which have not expressed “PCI intention” during the TYNDP 2018 project submission.
 - Confidential*: means that project promoter marked the project CAPEX as “confidential” so the promoter’s CAPEX figure is not published in the column “Project CAPEX”. However, due to project intention to apply for the 4th PCI round, an ALTERNATIVE CAPEX figure, calculated by ENTSOG, is published in column “Project CAPEX”;
 - Confidential**: means that project promoter marked the project CAPEX as “confidential” so the promoter’s CAPEX figure is not published in the column “Project CAPEX”. However, due to project intention to apply for the 4th PCI round, an ALTERNATIVE CAPEX figure, calculated by the PROMOTER, is published in column “Project CAPEX”;
- > Project CAPEX (in million EUR): project CAPEX is published in case of projects whose CAPEX has been submitted for TYNDP 2018 as “non-confidential”. For projects whose CAPEX has been submitted as “confidential”, the respective costs are not published. However, for promoters having indicated their intention to participate to the 4th PCI process and having marked their expected costs as confidential during the TYNDP 2018 project collection, ENTSOG publishes alternative CAPEX figures in line with the explanation provided above.
- > Project OPEX Confidential³: indicates the confidentiality status of the OPEX as expressed by the promotor during the TYNDP 2018 project collection. As such, there are four different statuses possible:
- Non-Confidential: means that project promoter marked the project OPEX as “non-confidential” so the OPEX figure is published in the column “Project OPEX”;
 - Confidential: means that project promoter marked the project OPEX as “confidential” so the OPEX figure is not published in the column “Project OPEX”. This status is available only for projects which have not expressed “PCI intention” during the TYNDP 2018 project submission.

³ During the TYNDP 2018 Project Data Collection, promoters were asked to indicate whether their costs are confidential or not. Annex A displays the costs provided by the promoters (as of February 2018, end of TYNDP 2018 project collection), unless declared confidential. The amounts provided can differ from the figures used by the project promoters in other contexts, where costs can be updated and/or evaluated using different methodologies or assumptions. For the purposes of Annex A, in case promoters identified their costs as confidential and indicated (always during the TYNDP 2018 Project Data Collection) its intention to apply to the PCI process, ALTERNATIVE COSTS have been directly calculated by ENTSOG (and mainly based on ACER Unit Investment Cost Report^[1]) OR provided by the promoter itself.

- Confidential*: means that project promoter marked the project OPEX as “confidential” so the promoter’s OPEX figure is not published in the column “Project OPEX”. However, due to project intention to apply for the 4th PCI round, an ALTERNATIVE OPEX figure, calculated by ENTSOG, is published in column “Project OPEX”;
- Confidential**: means that project promoter marked the project OPEX as “confidential” so the promoter’s OPEX figure is not published in the column “Project OPEX”. However, due to project intention to apply for the 4th PCI round, an ALTERNATIVE OPEX figure, calculated by the PROMOTER, is published in column “Project OPEX”;
- > Project OPEX (in million EUR per year): project OPEX is published in case of projects whose OPEX has been submitted for TYNDP 2018 as “non-confidential”. For projects whose OPEX has been submitted for TYNDP 2018 as “confidential”, the respective costs are not published. However, for promoters having indicated their intention to participate to the 4th PCI process and having marked their expected costs as confidential during the TYNDP project collection, ENTSOG publish alternative OPEX figures in line with the explanation provided above.
- > Project Website: provides a link to the project website (if the website exists).
- > Is part of NDP: indicated whether a project is part of a National Development Plan (NDP) or not;
- > NDP number: indicates the reference number or the name/label with which the project is identified in the NDP.

Spreadsheet 3 - Transmission Projects

This section includes all the main technical information for pipeline (including compressor stations) projects.

- > Project Type: a project can be (1) pipeline including CS, (2) LNG terminal or (3) Underground Storage (UGS);
- > TYNDP Code: see previous definition;
- > Project Name: see previous definition;
- > Promoter: see previous definition;
- > Maturity Status: see previous definition;
- > Section: the realisation of the same project may be characterised by different sections/phases;
- > Length, Diameter and Compressor Power: with reference to pipeline projects they indicate the length (in km) and the diameter (mm) while for compressor stations (CS) the compressor power (MW) is indicated.

Spreadsheet 4 - LNG Terminals

This section includes all the main technical information for LNG terminal projects.

- > Project Type: see previous definition;
- > TYNDP Code: see previous definition;
- > Project Name: see previous definition;
- > LNG Facility: indicates the name/location of the LNG facility;
- > Promoter: see previous definition;
- > Maturity Status: see previous definition;
- > Reloading Ability: whether the LNG terminal projects will also have ship reloading;
- > Project Yearly Volume: the expected increment in the maximum yearly volume that the terminal can regasify (in bcm/y);
- > Project Ship Size: the maximum size of the ship the terminal will be able to receive;
- > Project Storage Capacity: the maximum size of the LNG terminal tank (in m3 LNG).

Spreadsheet 5 – Underground Storages

This section includes all the main technical information for UGS projects.

- > Project Type: see previous definition;
- > TYNDP Code: see previous definition;
- > Project Name: see previous definition;
- > UGS Facility: name/location of the UGS facility;
- > Type: type of the storage facility;
- > Promoter: see previous definition;
- > Maturity Status: see previous definition;
- > WGV: working gas volume of the storage [mcm].

Spreadsheet 6 – Time Schedule

This section provides the start and/or end date of the main project activities/milestones.

- > Project Type: see previous definition;
- > Code: see previous definition;
- > Project Name: see previous definition;
- > Host country: see previous definition;
- > Promoter: see previous definition;
- > Maturity status: see previous definition;
- > FID Ends: date when the Final Investment Decision was or will be taken;
- > Feasibility Starts: date when the Feasibility Study started or will start;

- > Feasibility Ends: date when the Feasibility Study ended or will end;
- > FEED Starts: date when Front End Engineering Design started or will start;
- > FEED Ends: date when Front End Engineering Design ended or will end;
- > Permitting Phase Starts: date when the Permitting Phase started or will start;
- > Permitting Phase Ends: date when the Permitting Phase ended or will end;
- > Construction Starts: date when construction works started or will start;
- > Construction Ends: date when construction works will end;
- > Commissioning Starts: see previous definition;
- > Commissioning Ends: see previous definition;
- > Grant Obtention Date: date when a grant for studies/works have been obtained;
- > Schedule Status: compared to TYNDP 2017 commissioning year, the project can be now “on time”, “ahead of schedule”, “delayed” or “rescheduled”;
- > Delay Explanation: in case project is delayed, here is the reason for the delay:

Spreadsheet 7 – Third-Party Access Exemptions

This section provides information on the third-party access exemptions related to the project according to the Regulation 715/2009 on conditions for access to the natural gas transmission networks.

- > Project Type: see previous definition;
- > Code: see previous definition;
- > Project Name: see previous definition;
- > Promoter: see previous definition;
- > Applied For Exemption: indicates if promoter applied for third-party access exemption;
- > Exemption Granted: indicates if the exemption was granted;
- > Exemption Stage Reached: as the exemption has a scheduled expiry date, this field indicates the stage the exemption has reached;
- > Exempted % Entry: indicates the percentage of the exempted capacity in the entry direction;
- > Exempted % Exit: indicates the percentage of the exempted capacity in the entry direction;
- > Tariff Regime: indicates the type of tariff that correspond to the project;
- > TPA Regime Comments: additional information provided on the Third-Party Access regime;

Spreadsheet 8 – Intergovernmental Agreements

This section provides information on any Intergovernmental Agreements proposed for the project.

- > Project Type: see previous definition;

- > Code: see previous definition;
- > Project Name: see previous definition;
- > Promoter: see previous definition;
- > Agreement: the type of agreement proposed for the project;
- > Signed: indicates if the agreement is signed by the involved parties;
- > Signature Date: indicates the date of the signature, if the case;
- > Description: provides a description of the agreement.

Spreadsheet 9 – Enablers

This section lists the projects which are considered enablers⁴ and the enabled projects⁵

- > Project Type: see previous definition;
- > Enabler Code: TYNDP code of the enabler project;
- > Enabler Project Name: name of the enabler project;
- > Enabled Code: TYNDP code of the enabled project;
- > Enabled Project Name: name of the enabled project;

Spreadsheet 10 – CBCA & CEF

This section provides information on any Intergovernmental Agreements concluded for the project

- > Project Type: see previous definition;
- > Code: see previous definition;
- > Project Name: see previous definition;
- > Host country: see previous definition;
- > Promoter: see previous definition;
- > PCI 3rd List Code: see previous definition;
- > Previous PCI List: indicates if the project was part of previous PCI lists (2013 or 2015)
- > CBCA Decision: indicates if the project received a Cross-Border Cost Allocation (CBCA) decision;
- > CBCA Decision Date: indicates the date when the CBCA decisions was issued
- > CBCA decision website: indicates the website where the CBCA decision is available

⁴ A Project can be considered as an Enabler Project, when it is necessary for another Project (the Enabled Project) to realize its full capacity potential.

⁵ An Enabled Project is a Project, which cannot realize its incremental capacity potential partially or fully within an Entry/Exit system at an Entry/Exit point (IP point; UGS Entry/Exit Point; LNG Entry/Exit Point) without an Enabler Project.

- > Benefiting Countries: indicates the net benefiting countries of the project as identified in the CBCA decision;
- > Bearer Countries: indicates the net bearers countries of the project as identified in the CBCA decision;
- > CBCA Additional Comments: additional information on CBCA
- > Applied for CEF: indicates if the project applied for financial support for studies and/or construction related works via the Connecting Europe Facility (CEF) programme which is a key EU funding instrument;
- > Grant for studies: indicates if the project applied for grants for studies under CEF;
- > Amount granted for studies: indicates the amount of money in Mln EUR that was granted for studies
- > Grant for works: indicates if the project applied for grants for works under CEF;
- > Amount received for works: indicates the amount of money in Mln EUR that was granted for works
- > Intention to apply for CEF: in case you have not applied yet for financial support from CEF, indicate if the promoter plans to apply for CEF funds in the future (in case it has not done it);
- > Financial support for other programmes: indicate if the project received financial grants via programmes other than CEF.
- > CEF Additional Comments: additional information on CEF

Spreadsheet 11 – National Development Plan Info

This section includes the information related to the inclusion of the project in the relevant National Development Plan (NDP).

- > TYNDP Code: see previous definition;
- > Project Name: see previous definition;
- > Country: see previous definition
- > Promoter: see previous definition;
- > Maturity Status: see previous definition;
- > PCI 3rd List, PCI 3rd List Code and PCI Priority Corridors: see previous definition;
- > Intention to apply to 4th PCI List: see previous definition;
- > Is Part of a NDP: indicates whether a project is part of a National Development Plan (NDP) or not;
- > NDP Number: indicates the reference number or the name/label with which the project is identified in the NDP;
- > NDP Name or Reason for non-NDP inclusion: indicates the full NDP name or the reason the project is not included in the latest approved NDP;

- > NDP Website: indicates the URL/link of the NDP website;
- > NDP Release Date: indicates the date when the NDP has been released.

Spreadsheet 12 – Capacities

This section provides information related to the technical capacity increments assigned to the TYNDP 2018 projects.

- > Point Category: indicates the type of interconnection point to which the respective capacity increment is provided;
- > Point: provides the name of the interconnection point to which the respective capacity increment is provided;
- > From System: indicates the system which sends the respective capacity;
- > To System: indicates the system which receives the capacity increment;
- > TYNDP Code: see previous definition;
- > Project Name: see previous definition;
- > Promoter: see previous definition;
- > Maturity Status: see previous definition;
- > Operator: indicates the name of entity which will operate the capacity increment;
- > Commissioning year: indicates the commissioning year of the capacity increment;
- > Capacity: indicates the value of the capacity increment in GWh/d.