

# THIRD PARTY PROJECTS IN THE 2014 RELEASE OF THE TYNDP- Technical criteria

Maarit Uusitalo  
WG TYNDP Transparency Manager  
ENTSO-E

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# What conditions shall be fulfilled –technical criteria

- The main equipment is at least 220 kV in case of AC overhead line or at least 150 kV for the DC lines/cables and is, at least partially, located in one of the 34 countries where the ENTSO-E members activate AND;
- the project increases the GTC at a network boundary within the ENTSO-E interconnected network (e.g. additional NTC between two market areas) or at its borders (i.e. increasing the import and/or export capability of ENTSO-E countries vis-à-vis others) AND
- The grid transfer capability increase (expressed in MW) meets at least one of the following minimums:
  - o At least 500 MW of additional NTC; or
  - o Connecting or securing output of at least 1 GW/1000 km<sup>2</sup> of generation; or
  - o Securing load growth for 10 years for an area representing consumption greater than 3 TWh/y

## Definitions – Projects of European significance

- *A Project of European significance is...*

- ... a set of EHV assets (with at least one part in Europe);
- ... all contributing to a same grid transfer capability increase across a grid boundary, valued in MW;
- ... matching the following thresholds:
  - main equipment > 220 kV for OHL AC and > 150 kV else
  - Grid Transfer Capability Increase either
    - enabling > 500 MW of additional NTC; or
    - enabling or securing output of > 1 GW/1000 km<sup>2</sup> of generation (new and/or existing); or
    - securing for > 10-year load growth for an area > 3 TWh/yr.

EC Reg. 2010/617 on notification of infrastructures

EC 2009/72

# Necessary documentation – Technical documentation

## Technical documentation

Technical description of the project along with the motivation, status and the expected GTC increase associated to the proposed projects, expected commissioning date and costs

Electro-technical parameters of the projects which allow ENTSO-E to model the project in the network study

A map with the location of the proposed project

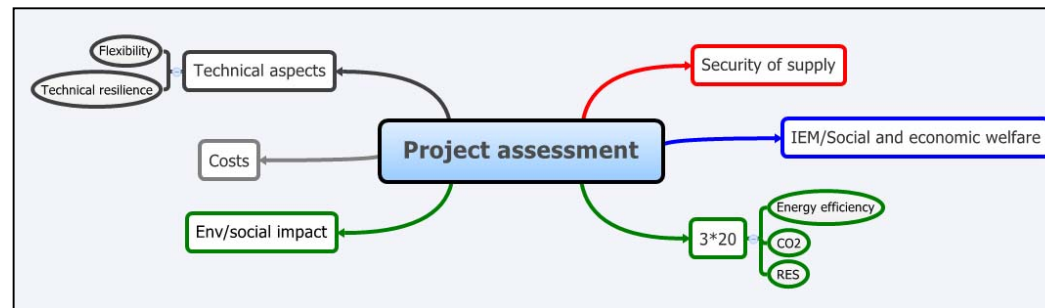
Electro-technical parameters of the project which are necessary to model the proposed investments in the network studies such as

- connection points ( substations name), nominal voltage, type of conductor, nr/phases, resistance(R), reactance(X), conductance(B), thermal limit ( $I_{max}$ ), km of the route (for the line/cable), km to each border if the infrastructure is tie- line.
- For the direct current(DC) infrastructure: type of converters (VSC/LCC), nominal voltage, capacity,

## 3<sup>rd</sup> party projects – the same process as for the TYNDP projects

2012

- Scenario elaboration & validation
  - Market studies
  - Network studies
- Project identification & valuation**



2014

- Reports compilation

# Questions

ENTSO-E would like to receive feedback on:

The technical criteria – do the stakeholders see any problems with the suggested criteria?

Do you have suggestions on this topic?

Do you feel comfortable on giving the described information to ENTSO-E?