



Smart Grids Regulation No. 347/2013

European Commission, DG Energy
Unit B1 Internal Market I: Networks and Regional initiatives

Definition

- *Article 2(7)*
- ‘**smart grid**’ means an electricity network that can **integrate** in a cost efficient manner the **behaviour and actions of all users** connected to it, including generators, consumers and those that both generate and consume, in order to ensure an **economically efficient and sustainable power system** with **low losses** and high levels of **quality, security** of supply and **safety**;

Definition

– Priority Thematic Areas

- *Annex I.10*
- Smart grids deployment: adoption of smart grid technologies across the Union to **efficiently integrate** the **behaviour and actions of all users** connected to the electricity network, in particular the generation of large amounts of electricity from renewable or distributed energy sources and demand response by consumers.

Definition - Energy Infr. Categories

- *Annex II.1(e)*
- any **equipment or installation**, both at transmission and medium voltage distribution level, **aiming at** two-way digital **communication**, real-time or close to real-time, interactive and intelligent **monitoring and management** of electricity generation, transmission, distribution and consumption within an electricity network in view of developing a network efficiently integrating the behaviour and actions of all users connected to it — generators, consumers and those that do both — in order to ensure an economically efficient, sustainable electricity system with low losses and high quality and security of supply and safety;

Criteria for PCI

- *Article 4(1)*
- Projects of common interest shall meet the following **general criteria**: (...)
- *Article 4(2)*
- The following **specific criteria** shall apply to projects of common interest falling within specific energy infrastructure categories: (...)

General criteria

Article 4(1)

- (a) the project is **necessary for at least one** of the energy infrastructure priority corridors and areas;
- (b) the potential overall **benefits** of the project, assessed according to the respective specific criteria in paragraph 2, **outweigh its costs**, including in the longer term; and
- (c) the project meets **any** of the following criteria:
 - (i) involves at least two Member States by directly **crossing the border** of two or more Member States;
 - (ii) is located on the territory of one Member State and has a **significant cross-border impact** as set out in Annex IV.1;
 - (iii) crosses the border of at least one Member State and a **European Economic Area country**.

Significant cross-border impact

- *Annex IV.1(e)*
- for smart grids, the project is designed for **equipments and installations** at high-voltage and medium-voltage level designed for a **voltage of 10 kV or more**. It involves transmission and distribution system **operators** from **at least two Member States**, which cover at least **50 000 users** that generate or consume electricity or do both in a consumption area of at least **300 Gigawatthours/year**, of which at least **20 %** originate from **renewable resources** that are variable in nature.

Specific criteria

- *Article 4(2)(c)*
- (i) **integration and involvement** of network users with new technical requirements with regard to their electricity supply and demand;
- (ii) **efficiency and interoperability** of electricity transmission and distribution in day-to-day network operation;
- (iii) network **security, system control and quality** of supply;
- (iv) optimised **planning** of future cost-efficient network investments;
- (v) market **functioning** and customer **services**;
- (vi) **involvement** of users in the management of their energy usage;

Criteria assessment

- *Article 4(3)*
- For projects falling under the energy infrastructure categories set out in **Annex II.1** to 3, the criteria listed in this Article shall be assessed in accordance with the indicators set out in **Annex IV.2 to 5**.
- *Annex IV.4*
- Concerning projects falling under the category set out in **Annex II.1(e)**, each function listed in Article 4 shall be evaluated against the following criteria: *(6 criteria – (a) to (f))*

Eligibility for financial assistance

- *Article 14.1*
- Projects of common interest falling under the categories set out in **Annex II.1**, 2 and 4 are eligible for Union financial assistance in the form of **grants for studies and financial instruments**.
- (...)

Eligibility for financial assistance

- *Article 14.4*
- Projects of common interest falling under the categories set out in **Annex II.1(e)** and 4 shall be also eligible for Union financial assistance in the form of **grants for works**, if the concerned project promoters can clearly demonstrate the **significant positive externalities** generated by the projects and their **lack of commercial viability**, according to the business plan and other assessments carried out, notably by possible investors or creditors or, where applicable, a national regulatory authority.



Thank you!