

Network Code on Generation Connection

Florence Forum
5-6 December 2011



Network Code for Generators *Starting point*

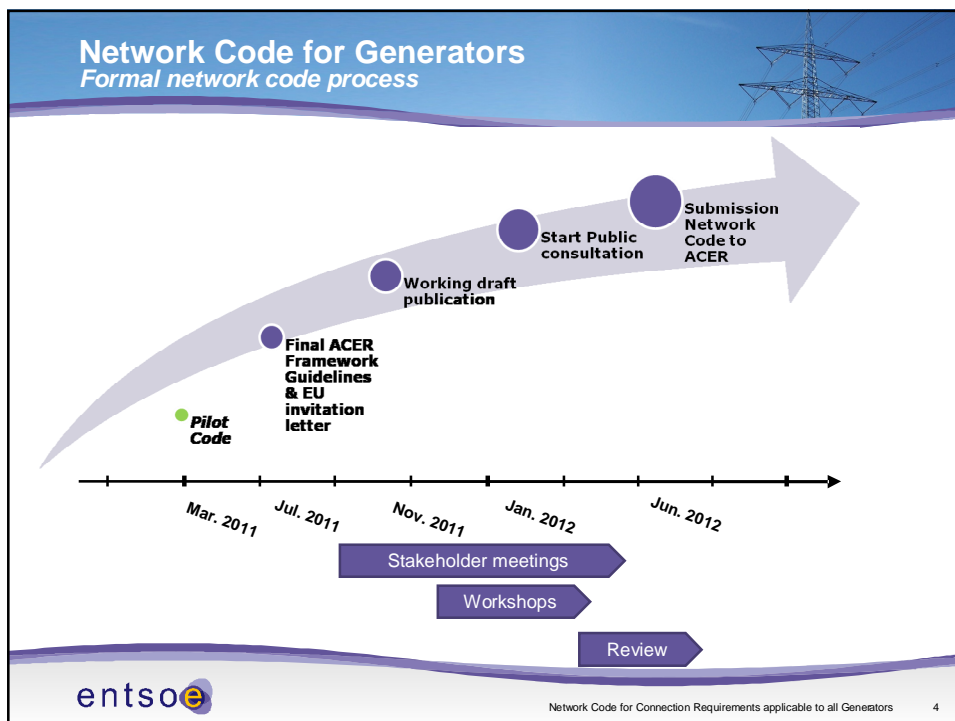
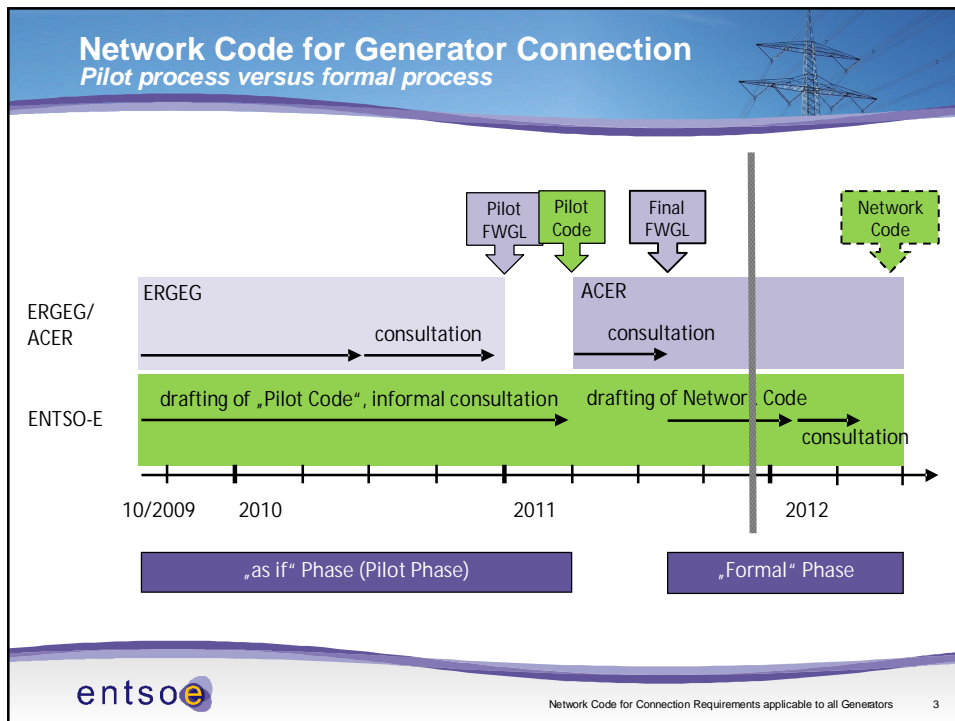
The Florence Forum has identified in 2009 wind connection as the most prominent topic for a rapid introduction of network codes

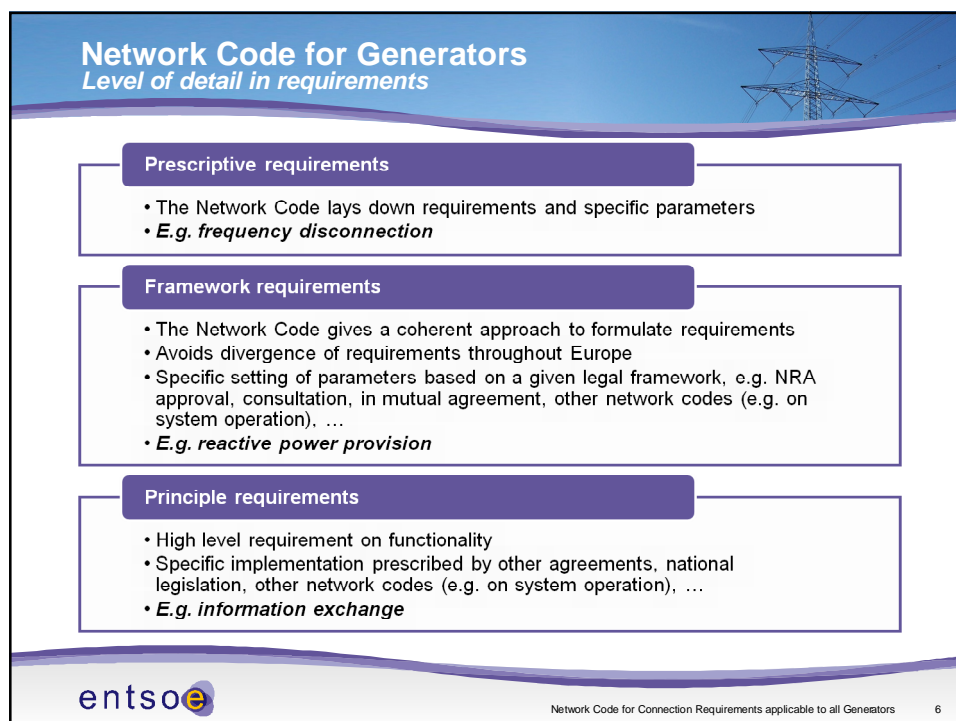
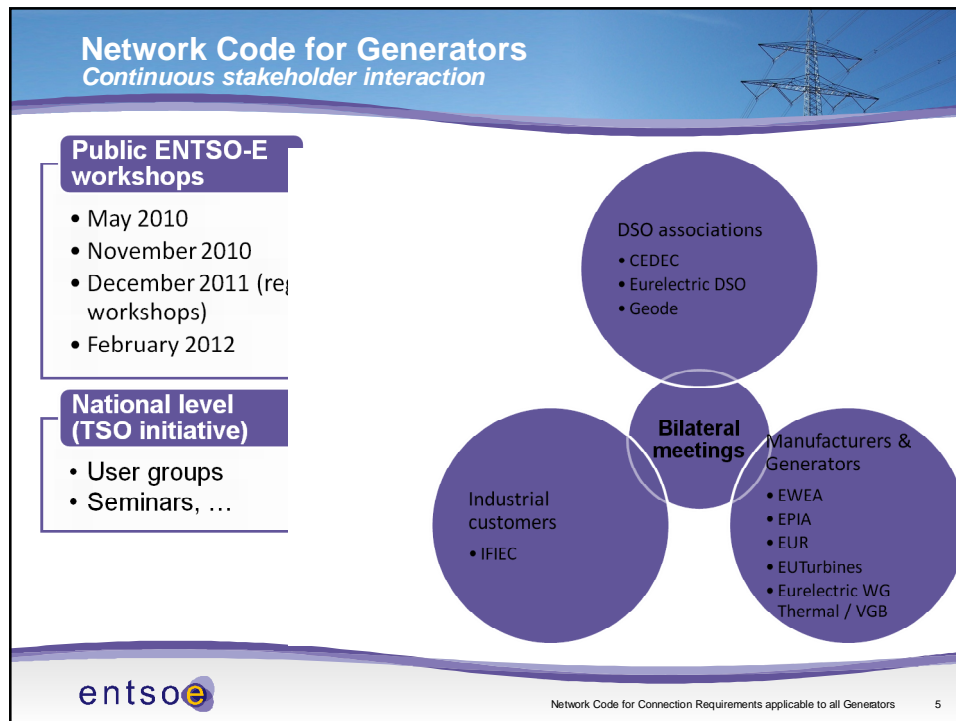
- Based on ERGEG's framework guideline on grid connection
- With the strong support of the EC and the Florence Forum
- Based on the on-going significant investment efforts on wind generation for achieving EU environmental and security of supply policy goals

Objectives

- Enable EU **energy and climate policies** ...
- ... while **securing reliability of the power system**
- Facilitate adoption of best practices
- Reduce development and investment costs
- Harmonize structure and technical contents of national codes







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Application to existing units

Retro-active application of specific requirements to specific existing users

- If a TSO makes a proposal
- that is approved by the NRA
- after a positive CBA outcome - based on a two stage approach
 - 1) Qualitative filtering by TSO (coherent ENTSO-E approach)
 - 2) If Step 1 indicates a likely positive CBA outcome, a full quantitative CBA is performed by the TSO with required input from the user
- and after a positive public consultation outcome

If no retro-active application is required

- The unit remains bound by requirements in present national legislation and agreements.
- Even if national legislation is repealed, the requirements remain valid.

Units under construction or in a design phase

- Are considered existing units if a legally binding contract exists for a main plant component (submitted within 6 months after entry into force and auditable by 3rd party)

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Most important steps

- § During recent months the draft code (pilot code) has been **revised to align** with ACER's final framework guidelines.
- § A **working draft** has been published to facilitate interaction with **stakeholders** in bilateral meetings, regional ENTSO-E workshops and usergroups/seminars initiated by TSO's.
- § **Public consultation** will commence end of **January 2012** for a two month period. An extended/updated list of **FAQs** and a high level **position paper** will be published alongside the draft code
- § **Submission** of the code to ACER is planned for **June 2012**.
- § **Note:** Development of the Network Code for Demand Connection has already started with an envisaged submission end of 2012.

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Conclusion



- Ø The European power system is **changing fast and significantly** to achieve energy and climate objectives.
- Ø Grid connection codes are **urgently needed to enable these policies** in order to maintain security of supply at least cost for European citizens.
- Ø ENTSO-E's **neutrality and expertise** guarantees the process.
- Ø **Strong involvement of stakeholders**, and in particular DSOs, are absolute prerequisites.
- Ø Consultation is ongoing; ENTSO-E is **listening** in pursuit of the best solutions acceptable by all.