

Framework Guidelines & Network Codes

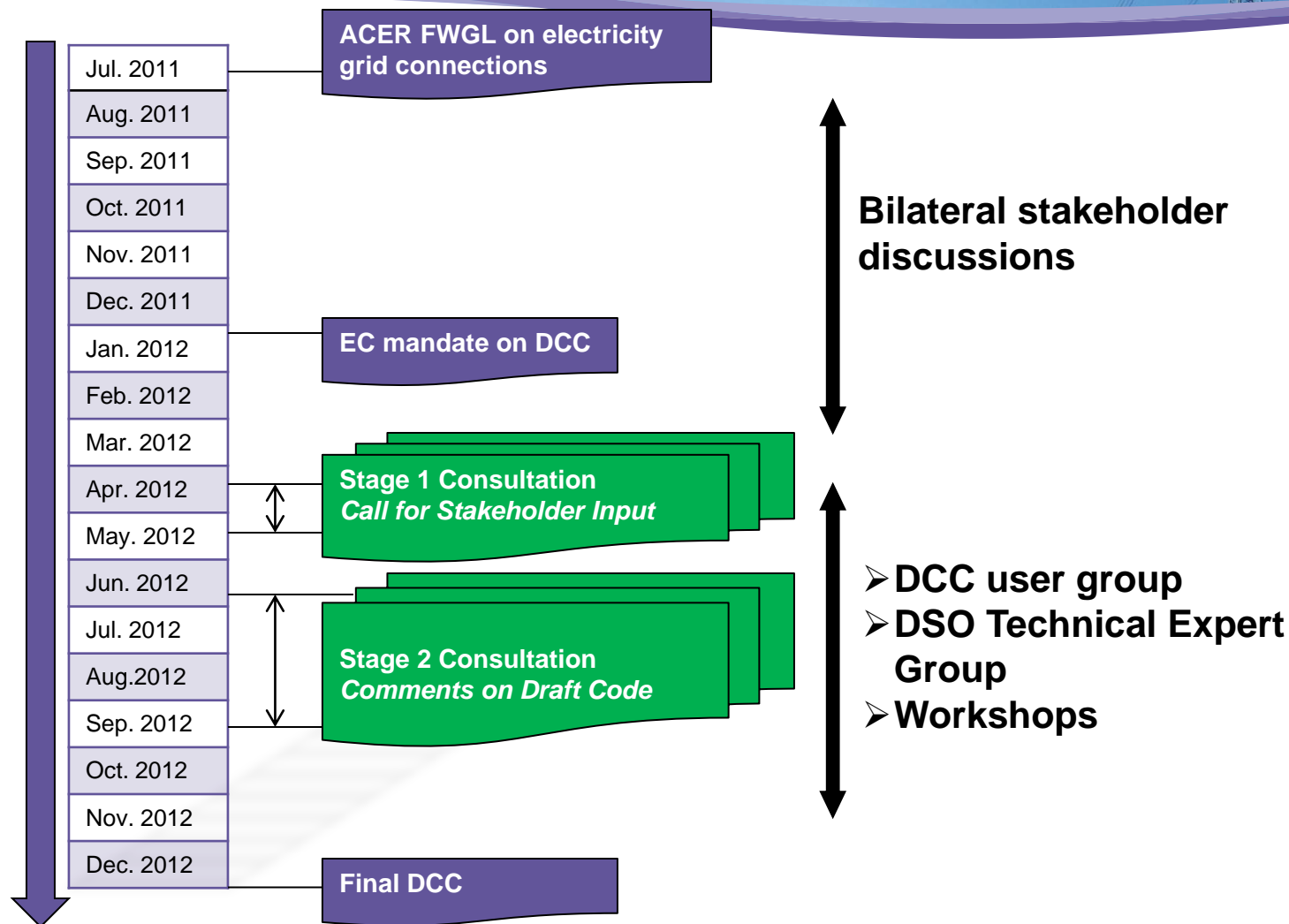
Demand Connection Related Network Code

**Florence Forum
22-23 May 2012**



Reliable Sustainable Connected

Demand Connection Code – Timeline & context



Demand Connection Code – Stakeholder interactions

- **DSO Technical Expert Group**

- Nominated by CEDEC, EDSO-SG, Eurelectric DSO and Geode
- Sequence of 9 meetings since July 2011
- Work program based on DCC principles and reviews of initial draft code

- **IFIEC**

- First meeting on DCC principles
- Second meeting on initial draft code

- **CENELEC**

- Links with standardization and ongoing work under Mandate 490

- **CECED**

- Initial discussion on demand response by domestic appliances

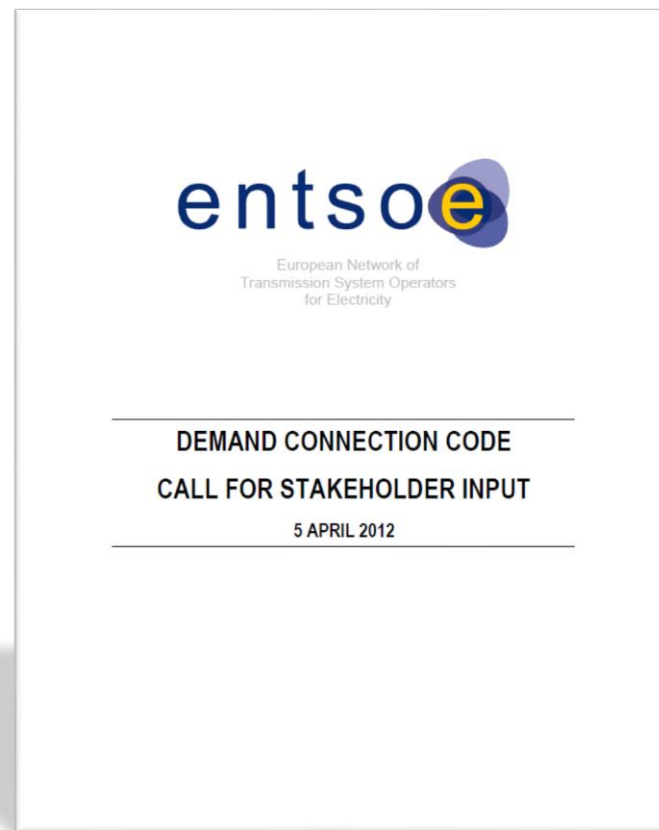
- ▶ Agreed principles/topics published as '**DCC preliminary scope**'.
- ▶ Discussions on initial draft code allowed to identify those topics for which **broader stakeholder views** are requested.
- ▶ Stakeholder discussions continue as of this stage by means of a **DCC user group**, including associations on DSOs, industrial customers, consumer rights, standardization, domestic appliances manufacturers, smart metering industry.

Demand Connection Code – Call for Stakeholder Input

- Published on 5 April 2012 with a request for feedback by 9 May 2012
- General viewpoints requested on options that can be taken by DCC
- Five topics identified which are new to many grid codes
 - Demand Side Response for Reserves
 - Demand Side Response for System Frequency Control
 - Reactive Power Exchange capability
 - Voltage withstand capability
 - Frequency withstand capability

ENTSO-E proposes options for each, underpinned by illustrating case studies, including CBAs. Viewpoints and supporting data on these are requested.

- The draft DCC and its supporting justification will use the responses received as guidance.



Demand Connection Code – Status and next steps

- The “DCC - Call for Stakeholder Input” resulted in **18 responses** covering diverse organizations: DSOs, industrial energy customers, generators, parties involved in Demand-Side-Response services.
- Generally, the two-stage process was **positively welcomed**.
- DCC is continuously **aligned with NC RfG**, e.g. on definitions, compliance, operational notification, derogation process, storage.
- **Web-consultation** on draft DCC is scheduled to start end of June for a min. 10 week period
 - Draft DCC is not planned to be published before the start of this consultation to allow a focused discussion on underlying principles in the DCC User Group.
 - Code will be accompanied by an Explanatory Note giving the assessment of responses in the “DCC - Call for Stakeholder Input”, as well as a set of Frequently Asked Questions
- Interactions with the **DSO Technical Expert Group and the DCC User Group** continue.

Thank you very much for your attention!