DCC development process and status

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**Irish ENTSO-E public consultation workshop
on Demand Connection Code (DCC)**
Dundalk, 2 August 2012

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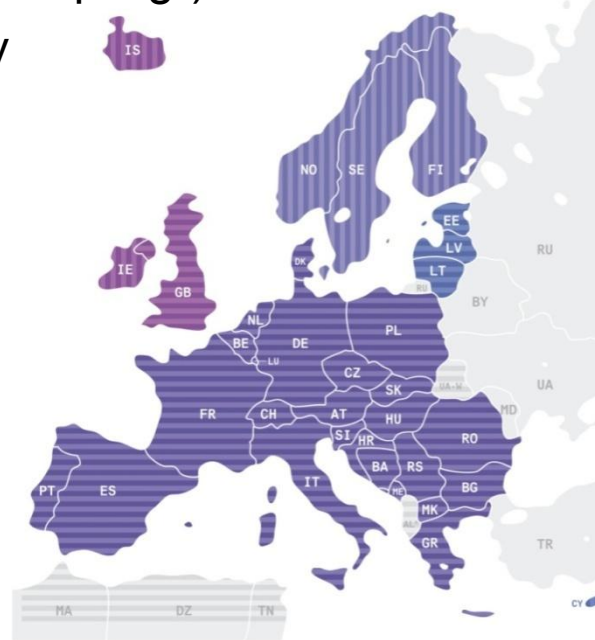Reliable Sustainable Connected

ENTSO-E association

Key activities set out in Regulation 714/2009 (on cross-border electricity trade, part of the 3rd Internal Energy Market Package)

- Deliver **network codes**
- Deliver **network plans** European / regional view of system needs ("TYNDP")
- Deliver crucial aspects of **market integration** ("market coupling")
- **R&D Plan** (fully included in EEGI – European Electricity Grid Initiative, part of the SET Plan)
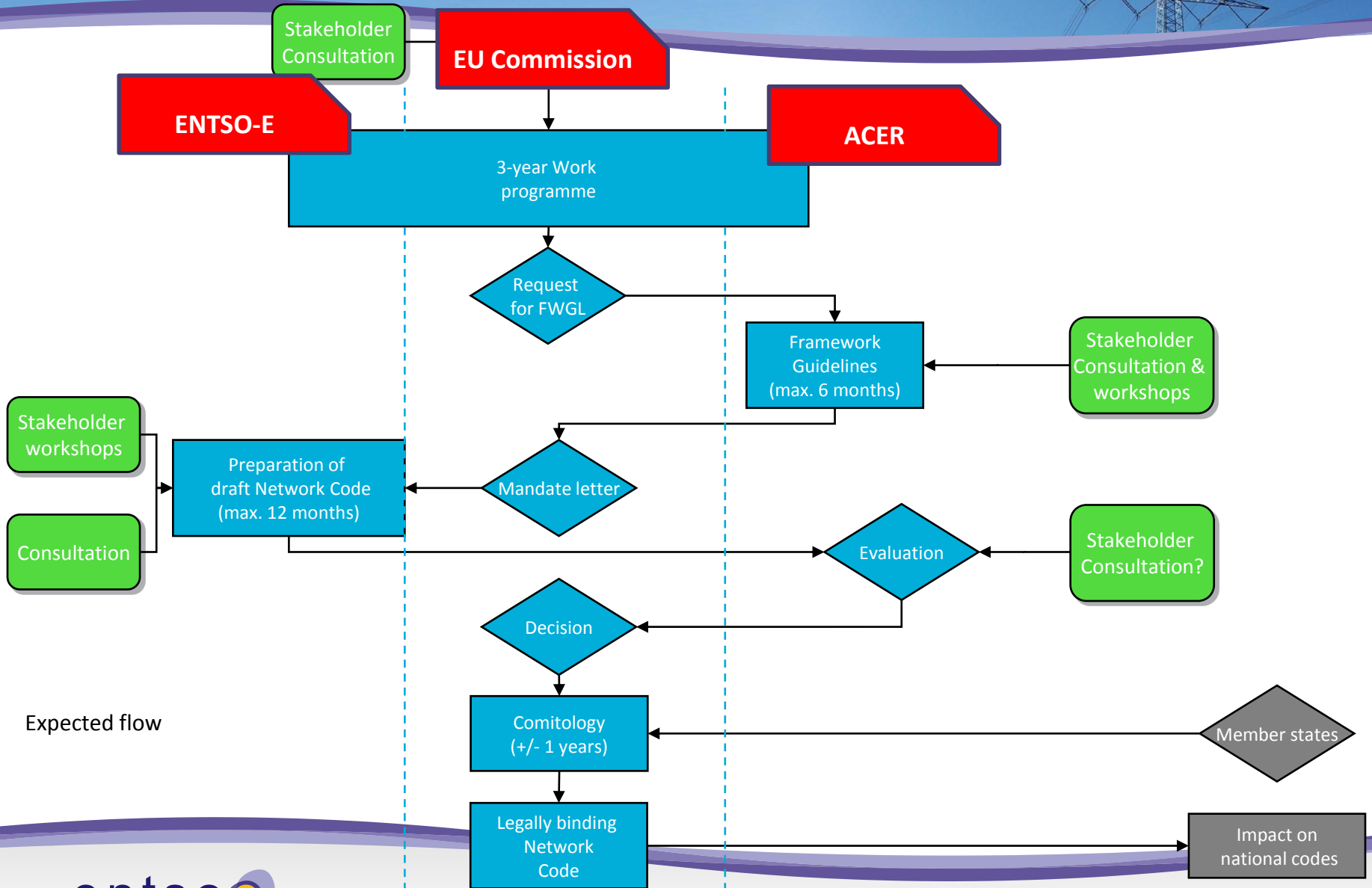
Through its members deliver the **infrastructure** to:

• enable markets to function,

• secure energy supply,

• meet climate change objectives through connecting RES

Represents **41 members from 34 countries**

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How are Network Codes developed?

Stakeholder Consultation

EU Commission

ENTSO-E

ACER

3-year Work programme

Request for FWGL

Framework Guidelines (max. 6 months)

Stakeholder Consultation & workshops

Stakeholder workshops

Preparation of draft Network Code (max. 12 months)

Mandate letter

Consultation

Evaluation

Stakeholder Consultation?

Decision

Expected flow

Comitology (+/- 1 years)

Member states

Legally binding Network Code

Impact on national codes

Article 8 – Tasks of ENTSO-E

6. *"The network codes … cover the following areas, taking into account, if appropriate, regional specificities:"*

FWGL System Operation

FWGL Grid Connection

a. **network security and reliability rules incl. rules for technical transmission reserve capacity for operational network security;**

b. **network connection rules;**

c. *third-party access rules;*

d. *data exchange and settlement rules;*

e. *interoperability rules;*

FWGL System Operation

f. **operational procedures in an emergency;**

g. **capacity-allocation and congestion-management rules;**

FWGL CACM

h. *rules for trading related to technical and operational provision of network access services and system balancing;*

i. *transparency rules;*

draft FWGL Balancing

j. **balancing rules incl. netwo ed reserve power rules;**

k. *rules regarding harmonised transmission tariff structures incl. locational signals and inter-transmission system operator compensation rules; and*

l. *energy efficiency regarding electricity networks.*

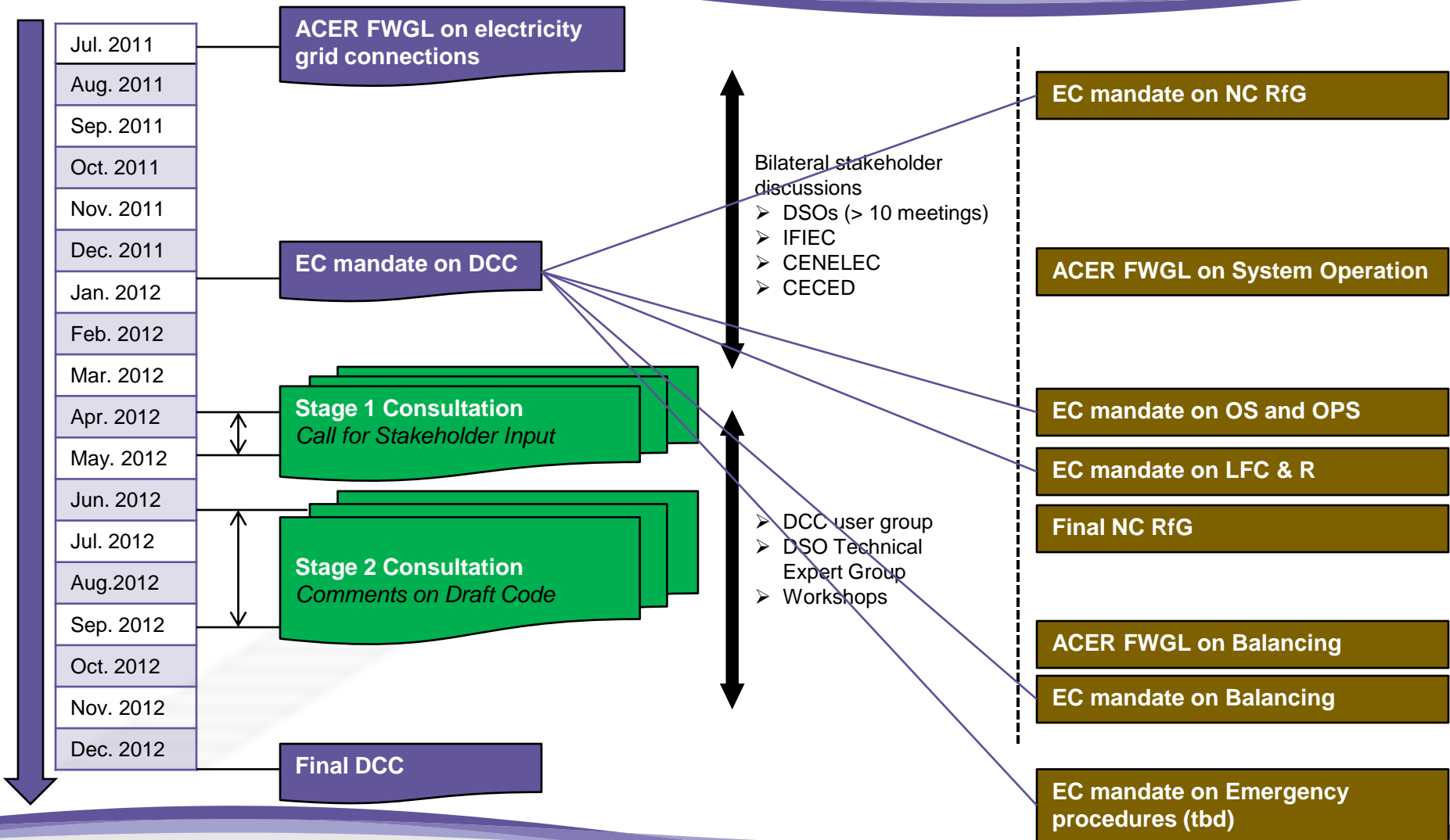http://ec.europa.eu/energy/gas_electricity/codes/codes_en.htm

Deliverable	Scoping Phase		ACER FG draft		ENTSO-E code drafting		ACER evalua tion	Comit ology
	Start	End	Start	End	Start	End		Start
Products/legislation relevant for effective implementation of the IEM								
FG on capacity allocation and congestion management			Q1/11	Q2/11				
NC on capacity allocation and congestion management [1]					Q3/11	Q3/12	Q4/12	Q1/13
NC on forward markets					Q4/12	Q3/13	Q4/13	Q1/14
Regional progress, setup and testing (incl. AESAG process and Regional Initiatives Work Program)								
EC comitology guideline on governance								Q1/13
FG on grid connection			Q2/11	Q2/11				
NC on grid connection					Q3/11	Q2/12	Q3/12	Q4/12
NC on DSO and industrial load connection					**Q1/12**	**Q4/12**	**Q1/13**	**Q2/13**
NC on HVDC connection					Q1/13	Q1/13	Q1/14	Q1/14
FG on system operation [2]			Q2/11	Q4/11				
NC on operational security					Q1/12	Q1/13	Q2/13	Q3/13
NC on operational planning and scheduling					Q2/12	Q1/13	Q2/13	Q3/13
NC on load-frequency control and reserves					Q3/12	Q2/13	Q3/13	Q4/13
NC on operational training								
NC on requirements and operational procedures in emergency								
FG on balancing	Q3/11	Q4/11	Q1/12	Q3/12				
NC on balancing [3]					Q4/12	Q3/13	Q4/13	Q1/14
EC comitology guideline on transparency								Q3/12
FG on Third Party Access								
NC on third party access								
NC on data exchange and settlement								
Possible Guidelines/FG on incentives to TSOs to increase cross-border	Q3/12	Q4/12						
Possible Guidelines on investment incentives to TSOs	Q3/12	Q4/12						
EC Comitology Guideline on tariffs	Q3/12	Q4/12						

Electricity

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DCC Timeline

Timeline	
Jul. 2011	**ACER FWGL on electricity grid connections**
Aug. 2011	
Sep. 2011	
Oct. 2011	
Nov. 2011	
Dec. 2011	**EC mandate on DCC**
Jan. 2012	
Feb. 2012	
Mar. 2012	
Apr. 2012	**Stage 1 Consultation** *Call for Stakeholder Input*
May. 2012	
Jun. 2012	
Jul. 2012	**Stage 2 Consultation** *Comments on Draft Code*
Aug.2012	
Sep. 2012	
Oct. 2012	
Nov. 2012	
Dec. 2012	**Final DCC**

Bilateral stakeholder discussions
- DSOs (> 10 meetings)
- IFIEC
- CENELEC
- CECED

- DCC user group
- DSO Technical Expert Group
- Workshops

EC mandate on NC RfG

ACER FWGL on System Operation

EC mandate on OS and OPS

EC mandate on LFC & R

Final NC RfG

ACER FWGL on Balancing

EC mandate on Balancing

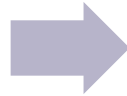**EC mandate on Emergency procedures (tbd)**

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# Involvement of DSOs in Network Code developments

Regulation 714/2009

- **Responsibility** for drafting of network codes lays with ENTSO-E
- Open and transparent **stakeholder consultation** is stressed
- Essential to **publish** relevant information of all stakeholder interactions

Role of DSOs

- Distribution networks are **users** of the transmission system
- The importance of involving DSOs on cross-border topics affecting their capacity to **ensure distribution system security** is reflected in ENTSO-E's Rules of Procedure
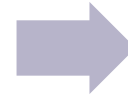
DSO Technical Expert Groups

- Early and pro-active interaction by set-up of DSO **Technical Expert Groups** for all relevant network codes
- Higher frequency of **work sessions** with dedicated agenda
- Experts appointed by **largest European DSO associations**

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DCC User Group

- **Open call for members published on 13 March 2012**

  - Focus on European-wide associations

  - 2 members per association

  - Essential means of liaising also with organizations at national level

- **Two meetings and one conf call so far**

- **Main forum for further improvement of the code post consultation**

- **13 participating associations covering various backgrounds**

  - ANEC/BEUC, CECED, CEDEC, CENELEC, EDSO4SG, EHPA, ESMIG, Eurelectric DSO, Eurelectric WG Thermal, IFIEC, Orgalime, Geode, SEDC

  - Attended by EC / ACER

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DCC – Call for Stakeholder Input

- 'pre-consultation' running from 5 April – 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.

- 18 responses received (available at website) – assessed in DCC Explanatory Note

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European Network of
Transmission System Operators
for Electricity

DEMAND CONNECTION CODE

CALL FOR STAKEHOLDER INPUT

5 APRIL 2012

DCC – draft code consultation

- **Public consultation – open to anyone to provide argumented proposals for improvement of the draft code**

- **Running from 27 June – 12 September 2012**

- **Only comments submitted via https://www.entsoe.eu/consultations/ are accepted as formal comments**

- **Supporting documents available**

  - Frequently Asked Questions: explanations on technical legaldetails

  - Explanatory Note: high-level approach motivated, a.o. based on assessment of feedback received in the DCC – Call for Stakeholder Input

ENTSO-E web-based consultation open
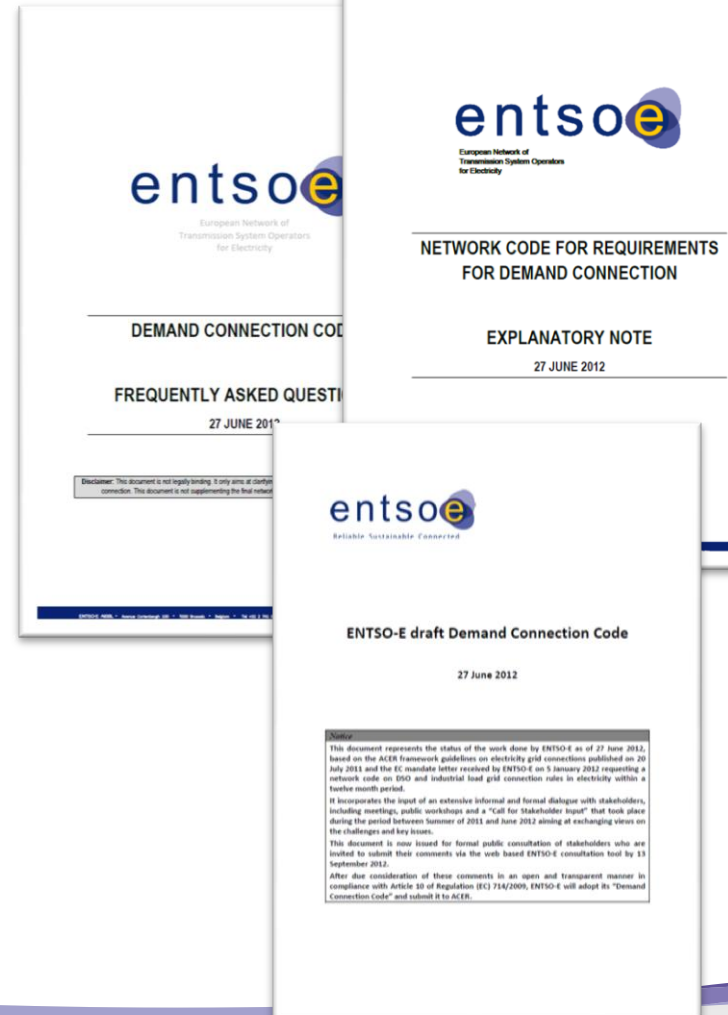
Why web-based?

- To guarantee centralization of comments for respondents and reviewers
- To allow communication with registered respondents
- To improve efficiency by making a clear identification of comments and format mandatory

How to use?

- Register as a user at https://www.entsoe.eu/consultations/
- Link your account to the DCC consultation
- Save draft comments while working
- Make comments final by 12 September 2012 at the latest
- In case of questions, contact consultations@entsoe.eu

What happens with my comments?

- Draft comments will never be visible to anyone but yourself
- Final comments are visible to ENTSO-E, but not to other respondents before closure of the consultation
- Evaluation of comments will be published together with the final DCC.

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ENTSO-E web consultation tool
https://www.entsoe.eu/consultations/

Create New Comment

ENTSO-E intends to consider and respond to every comment made within a rigid document framework. Therefore, each comment must be assigned to a specific Article, Paragraph and Subparagraph. Due to time constraints when reviewing submitted comments, incorrectly assigned comments might not be given the same level of detail.

document version	1
article	Please select …
paragraph	Please select …
subparagraph	Please select …
start line of commented text	
end line of commented text	
initial version	
proposed version	
justification text	
attach a file for additional background information or illustrative purposes	Browse…

Save as draft   Save as final

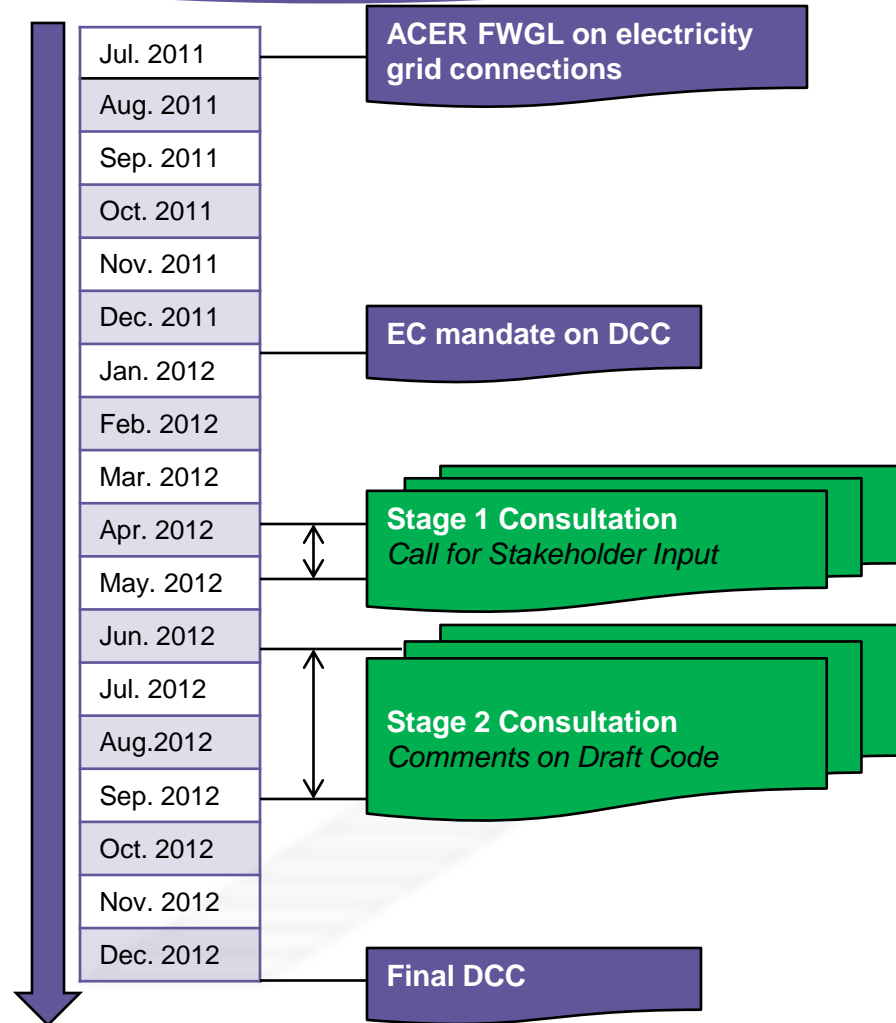**Create a new comment**

Identify your comment

Explain your comment

Save as draft or final

Summary

- **Consultation open until 12 September**

- **Outcome of stakeholder interactions & Assessment of 'Call for Stakeholder Input' available on ENTSO-E website**

- **Interaction continuing by workshops (national and ENTSO-E initiated), DSO Technical Expert Group and stakeholder user group**

- **Final Demand Connection Code by end of 2012 as a crucial enabler in the set of all network codes and Europe's energy goals**

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Key references

- **Consultations overview** - **https://www.entsoe.eu/resources/consultations/**

- **Web consultation interface** - **https://www.entsoe.eu/consultations/**

- **Last status on « Demand Connection Code »** - **https://www.entsoe.eu/resources/network-codes/demand-connection/**