

## European Electricity Codes: Status Update

ENTSO-E Website: <http://networkcodes.entsoe.eu/>

**01 September 2014**

Network Code	What is it about?	Status	Status Update	Milestones to Completion
<b>Connection Codes</b>				
<b>Requirements for Generators</b>	Sets functional requirements which new generators connecting to the network (both distribution and transmission) will need to meet, as well as responsibilities on TSOs and DSOs .	Comitology preparations	Draft text was released by the Commission in January 2014, ahead of the Cross-Border Committee. The French Government has issued a paper querying a number of the technical requirements. An updated draft is anticipated.	Informal discussions by the Cross-Border Committee are expected to continue shortly, with voting to follow.
<b>Demand Connection Code</b>	Sets functional requirements for new demand users and distribution network connections to the transmission system, basic Demand Side Response capabilities, as well as responsibilities on TSOs and DSOs.	Comitology preparations	Draft text was released by the Commission in March 2014 ahead of the Cross-Border Committee. Mandatory Demand Side Response provisions have been removed from the Network Code.	Informal discussions by the Cross-Border Committee are expected to continue shortly, with voting to follow. ACER have been asked to redraft the derogations section.
<b>HVDC Network Code</b>	Sets functional requirements for HVDC connections and offshore DC connected generation.	Comitology preparations	With the European Commission ahead of Comitology.	Code with Commission for preparations for Comitology.
<b>Market Codes</b>				
<b>Capacity Allocation and Congestion Management</b>	Creates the rules for operating pan-European Day Ahead and Intraday markets, explains how capacity is calculated and explains how bidding zones will be defined. Includes the Governance Guidelines which provide a robust, reliable and non-discriminatory European Union governance framework for the operation of market coupling across Europe.	Comitology preparations	Commission has confirmed that CACM will proceed as a Guideline and not a Network Code. New CACM text released to member states ahead of Cross Border Committee Meetings.	Formal Voting of the Cross-Border Committee expected to commence in September 2014.
<b>Forward Capacity Allocation</b>	Sets out rules for buying capacity in timescales before Day Ahead and for hedging risks.	Comitology preparations	ACER had requested that amendments be made to the Network Code on the areas of firmness and timescales for Terms and Conditions. ENTSO-E has made amendments and returned FCA to ACER for review. ACER has submitted the Network Code with a qualified recommendation to the Commission.	Commission is expected to redraft as a Guideline (see CACM), and proceed through Comitology later in 2014.
<b>Electricity Balancing</b>	Sets out the rules to allow TSOs to balance the system close to real time and to allow parties to participate in those markets.	ENTSO-E Review after ACER Opinion	ACER has requested that amendments be made to the Network Code on the areas of <ul style="list-style-type: none"> <li>• Incentives on balance responsible parties to be balanced or help the electricity system to be balanced.</li> <li>• A consistent framework to foster competition between balance service providers.</li> <li>• Efficiency of balancing actions performed by TSOs.</li> </ul>	ENTSO-E is expected to revise aspects of the Network Code. ACER will then re-review the changes ahead of Comitology
<b>System Operation Codes</b>				
<b>Operational Security</b>	Sets common rules for ensuring the operational security of the pan European power system.	ENTSO-E preparing redrafting on Commission's request	The text was received by the Commission from ACER after a qualified Recommendation in November 2013.	At the Florence Forum, the Commission indicated that further drafting is likely to be required to allow the Network Code to enter in to force as a 'Network Code'.
<b>Operational Planning and Scheduling</b>	Explains how TSOs will work with generators to plan the transmission system in everything from the year ahead to real time.	ENTSO-E preparing redrafting on Commission's request	The text was received by the Commission from ACER after a qualified Recommendation in November 2013.	At the Florence Forum, the Commission indicated that further drafting is likely to be required to allow the Network Code to enter in to force as a 'Network Code'.
<b>Load Frequency Control and Reserves</b>	Provides for the coordination and technical specification of load frequency control processes and specifies the levels of reserves (back-up) which TSOs need to hold and specifies where they need to be held.	ENTSO-E preparing redrafting on Commission's request	In pre-Comitology stage. The text was received by the Commission from ACER after a qualified Recommendation in October 2013.	At the Florence Forum, the Commission indicated that further drafting is likely to be required to allow the Network Code to enter in to force as a 'Network Code'.
<b>Emergency and Restoration</b>	Ensures that efforts of restoration after a major disturbance or blackout are well coordinated at led by TSOs within a synchronous areas, and no individual action or attempts adversely affect the re-establishment of system operation as soon as possible	ENTSO-E Drafting	Mandate to commence drafting received by ENTSO-E on April 1 2014.	ENTSO-E have now published the first draft and this is available on for view on their website. Version for Public Consultation expected shortly.
<b>Transparency Regulation</b>				
<b>Transparency Regulation</b>	Establishes a minimum common set of data relating to generation, balancing, transmission and consumption of electricity which need to be made available to market participants. It also provides for a central collection and publication of the data.	GB Implementation	GB Implementation is ongoing. BSC Modification P295 has been approved.	GB Compliance required by January 2015. ENTSO-E is developing the central EMFIP platform for transparency data.

# Status of Development of European Electricity Codes

01 September 2014

Please note: All future indications for comitology are based on details released by European Commission at Florence Forum in May 2014. All future dates, associated processes, and implementation periods are 'best guess' and subject to change.

**KEY**

- Activities undertaken by ACER
- Activities undertaken by European Commission
- Activities undertaken by ENTSO-E
- Implementation Period (details TBC)
- Entry into Force / Applicability of Requirements
- Code Revisions (details TBC)

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Network Code	2013												2014												2015												2016												2017																							
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec												
<b>Transparency Regulations</b>	Comitology												Implementation period of 18 months as specified in Regulation																																																											
	Parliamentary Approval			Drafts Manual of Procedures			Public Consultation on MOP			Finalise MOP			ACER Review			Build and Test EMFIP Platform			External / 3rd Party Testing of EMFIP			Applies																																																		
<b>Capacity Allocation and Congestion Management</b>	Comitology Preparations												Comitology												Phased Implementation over 24 months (TBC)																																															
	Merge CACM and Gov. Guide; Impact Assessments, text review and other preparatory tasks												Informal Cross-Border Committee (XBC) discussions												Formal XBC Voting												Approval by EU Council & Parliament																																			
<b>Requirements for Generators</b>	Comitology Preparations												Comitology												Implementation period of 36 months (TBC)																																															
	Impact Assessments, text review and other preparatory tasks												Informal Cross-Border Committee (XBC) discussions												Formal XBC Voting												Approval by EU Council & Parliament																																			
<b>Demand Connection Code</b>	Comitology Preparations												Comitology												Implementation period of 36 months (TBC)																																															
	Impact Assessments, text review and other preparatory tasks												Informal XBC discussions												Formal XBC Voting												Approval by EU Council & Parliament																																			
<b>Operational Security</b>	ACER Review												Network Code with EU Commission												Comitology												Implementation period 18 months																																			
	Finalise drafting			ACER Review			ENTSO-E Revisions			Review			Network Code with EU Commission			Redrafting by ENTSO-E or Commission's request			Preparation			Formal XBC Voting			Approval by EU Council & Parliament																																															
<b>Operational Planning &amp; Scheduling</b>	ACER Review												Network Code with EU Commission												Comitology												Implementation period 18 months																																			
	Finalise drafting			ACER Review			ENTSO-E Revisions			Review			Network Code with EU Commission			Redrafting by ENTSO-E or Commission's request			Preparation			Formal XBC Voting			Approval by EU Council & Parliament																																															
<b>Forward Capacity Allocation</b>	ENTSO-E Drafting												Pre-Comitology												Comitology												Phased Implementation over 39 months																																			
	Initial drafting			Consultation			Finalise drafting			ACER Review			ENTSO-E Revisions			Review			Network Code with EU Commission			Redrafting by ENTSO-E or Commission's request			Preparation			Formal XBC Voting			Parliament and Council																																									
<b>Load Frequency Control &amp; Reserves</b>	ENTSO-E Drafting												Network Code with EU Commission												Comitology												Implementation period 18 months																																			
	Initial drafting			Consultation			Finalise drafting			ACER Review			Network Code with EU Commission			Redrafting by ENTSO-E or Commission's request			Preparation			Informal XBC discussions			Formal XBC Voting			Approval by EU Council & Parliament																																												
<b>Electricity Balancing</b>	ENTSO-E Drafting												Comitology												Comitology												Phased Introduction over 6 years												Until c.2021																							
	Initial Drafting			Consultation			Finalise drafting			ACER Review			ENTSO-E Revisions			Review			Preparation			Informal XBC discussions			Formal XBC Voting			Approval by EU Council & Parliament																																												
<b>HVDC</b>	ENTSO-E Drafting												Comitology Preparations												Comitology												Implementation period of 36 months												Until c. June 2018																							
	Initial Drafting			Consultation			Finalise drafting			ACER Review			Comitology Preparations			Comitology																																																								
<b>Emergency and Restoration</b>	ENTSO-E Drafting												Comitology												Comitology												Implementation (TBC)																																			
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