

European Network Codes: Status Update

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

07 July 2014

Network Code	What is it about?	Status	Status Update	Milestones to Completion	Next GB Stakeholder Session
Connection Codes					
Requirements for Generators	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.	TBA
Demand Connection Code	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.	TBA
HVDC Network Code	Sets functional requirements for HVDC connections and offshore DC connected generation.	ACER Review	ENTSO-E has finalised the Network Code and submitted to ACER for Review.	ACER to review the Network Code by end of July 2014.	TBA
Market Codes					
Capacity Allocation and Congestion Management	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 indicated that in its current format CACM can not proceed as a Network Code. The text is now expected to proceed through Comitology as a Guidelines (as defined in Regulation (EU) 714/2009).	Redrafting is expected by the Commission followed by voting of the Cross-Border Committee	TBA
Forward Capacity Allocation	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 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.	TBA
Electricity Balancing	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"> • Incentives on balance responsible parties to be balanced or help the electricity system to be balanced. • A consistent framework to foster competition between balance service providers. • Efficiency of balancing actions performed by TSOs. 	ENTSO-E is expected to revise aspects of the Network Code. ACER will then re-review the changes ahead of Comitology	TBA
System Operation Codes					
Operational Security	Sets common rules for ensuring the operational security of the pan European power system.	Comitology preparations	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'. Further details of process and responsible parties to be determined.	TBA
Operational Planning and Scheduling	Explains how TSOs will work with generators to plan the transmission system in everything from the year ahead to real time.	Comitology preparations	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'. Further details of process and responsible parties to be determined.	TBA
Load Frequency Control and Reserves	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.	Comitology preparations	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'. Further details of process and responsible parties to be determined.	TBA
Emergency and Restoration	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.	ENTSO-E Stakeholder Workshop - Wednesday 9 July in Brussels. https://www.entsoe.eu/news-events/events/Pages/Events/Network-Code-on-Emergency--Restoration.aspx
Transparency Regulation					
Transparency Regulation	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.	National Grid European Transparency Regulation & REMIT Briefing - Monday 14 July, National Grid House Warwick

Status of Development of European Electricity Network Codes

07 July 2014

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

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)

Prepared by:

nationalgrid

europencodes.electricity@nationalgrid.com

Network Code	2013												2014												2015												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
Transparency Regulations	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																										
Capacity Allocation and Congestion Management	Comitology Preparations												Comitology												Phased Implementation over 24 months (TBC)																							
	Agree revisions	Review	Commission	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																										
Requirements for Generators	Revision of Code based on	ACER Review	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																											
Demand Connection Code	ACER Review	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																												
Operational Security	ENTSO-E Finalise drafting	ACER Review	ENTSO-E Revisions	Review	Network Code with EU Commission												Redrafting expected by Commission Process and parties TBD	Preparation	Comitology			Implementation period 18 months																										
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Forward Capacity Allocation	ENTSO-E Drafting	ACER Review	ENTSO-E Revisions	Review	Pre-Comitology	Comitology	Phased Implementation over 39 months																																									
	Initial drafting	Consultation	Finalise drafting		Network Code with EU Commission	XBC discussions	Formal XBC Voting	Parliament and Council																																								
Load Frequency Control & Reserves	ENTSO-E Drafting	ACER Review	Network Code with EU Commission												Redrafting expected by Commission Process and parties TBD	Preparation	Comitology			Implementation period 18 months																												
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Electricity Balancing	ENTSO-E Drafting	ACER Review	ENTSO-E Revisions	Review	Comitology Preparations	Comitology	Phased Introduction over 6 years																																									
	Initial Drafting	Consultation	Finalise drafting		XBC discussions	Formal XBC Voting	Parliament and Council																																									
HVDC	ENTSO-E Drafting	ACER Review	Comitology Preparations												Comitology	Implementation period of 36 months																																
	Call for Stakeholder	Initial Drafting	Consultation	Finalise drafting		Impact Assessments, text review and other preparatory tasks	XBC discussions	Formal XBC Voting	Parliament and Council																																							
Emergency and Restoration	ENTSO-E Drafting	ACER Review	Comitology Preparations												Comitology	Implementation (TBC)																																
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