

## European Network Codes: Status Update

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

02 May 2014

Network Code	What is it about?	Status	Status Update	Milestones to Completion	Next GB Stakeholder Session
<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	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. <b>An updated draft is anticipated.</b>	Discussion by the Cross Border Committee is continuing.	TBC
<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	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.	Discussion by the Cross Border Committee is continuing. <b>ACER have been asked to redraft the derogations section.</b>	TBC
<b>HVDC Network Code</b>	Sets functional requirements for HVDC connections and offshore DC connected generation.	ACER Review	<b>ENTSO-E has finalised the Network Code and submitted to ACER for Review.</b>	<b>ACER to review the Network Code by end of July 2014.</b>	<b>ACER Public Workshop in Ljubljana on 19 May 2014.</b>
<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	CACM is in the cross-border Committee stage of Comitology, and is currently in internal Commission consultation and translation.	Discussion by the Cross Border Committee is continuing and a further draft is expected in <b>May/June 2014.</b>	DECC/Ofgem Stakeholder session expected when next draft is published.
<b>Forward Capacity Allocation</b>	Sets out rules for buying capacity in timescales before Day Ahead and for hedging risks.	<b>ACER Review following ENTSO-E re-submission.</b>	ACER had requested that amendments be made to the Network Code on the areas of firmness and timescales for Terms and Conditions. <b>ENTSO-E has made amendments and returned FCA to ACER for review.</b>	<b>ACER to re-review the changes made by ENTSO-E ahead of Comitology.</b>	TBC
<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 change ahead of Comitology	TBC
<b>System Operation Codes</b>					
<b>Operational Security</b>	Sets common rules for ensuring the operational security of the pan European power system.	Comitology	In pre-comitology stage. The text was received by the Commission from ACER after a qualified Recommendation in November 2013.	The Commission is to prepare the text, prior to the Cross-border Committee meetings expected in Q2/2014.	Engagement expected during Comitology once text is produced by Commission
<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.	Comitology	In pre-comitology stage. The text was received by the Commission from ACER after a qualified Recommendation in November 2013.	The Commission is to prepare the text, prior to the Cross-border Committee meetings expected in Q2/2014.	Engagement expected during Comitology once text is produced by Commission
<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.	Comitology	In pre-comitology stage. The text was received by the Commission from ACER after a qualified Recommendation in October 2013.	The Commission is to prepare the text, prior to the Cross-border Committee meetings expected in Q2/2014.	Engagement expected during Comitology once text is produced by Commission
<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 has 12 months to draft the Network Code in line with the System Operation Framework Guidelines	TBC
<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.	<b>Further stakeholder engagement is to take place in May 2014. Further information to follow.</b>

# Status of Development of European Electricity Network Codes

02 May 2014

All Future dates are subject to change

Implementation Periods and Comitology dates are 'best guess' and subject to change through the code development / approval process. Details shown in *italics* are best approximations based on current understanding.

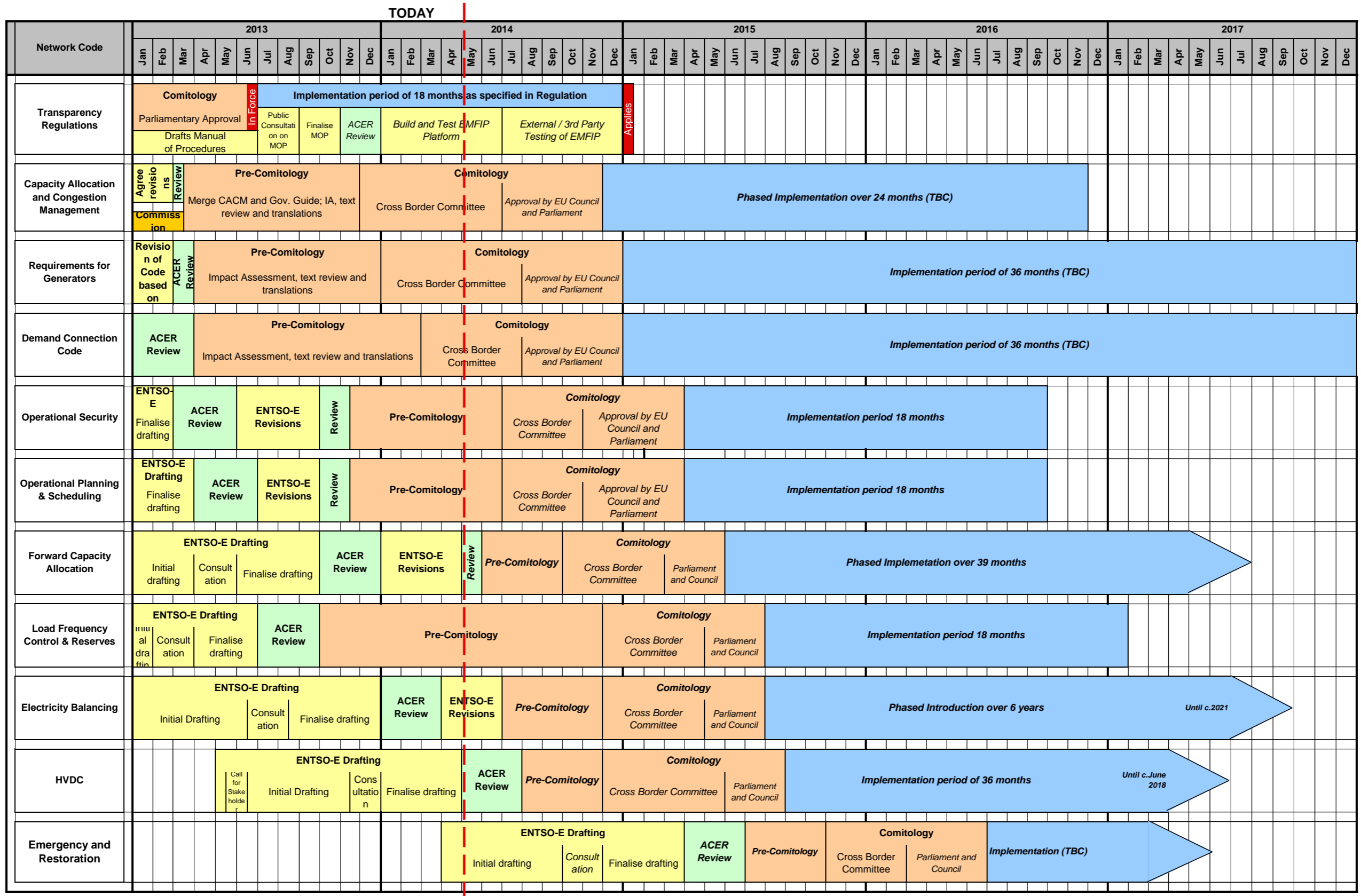
It has been necessary to 'round' some dates for the benefits of the diagram.

KEY	
<span style="background-color: #90EE90; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Activities undertaken by ACER
<span style="background-color: #FFFF00; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Activities undertaken by ENTSO-E
<span style="background-color: #FFD700; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Activities undertaken by European Commission
<span style="background-color: #FFA07A; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Comitology process - led by Commission
<span style="background-color: #FF0000; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Entry into Force / Applicability of Requirements
<span style="background-color: #ADD8E6; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span>	Implementation Period (details TBC)

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**Notes**

Sequencing of CACM, RFG, DCC, OS, and OPS through Comitology based on Commission's indications at December Cross-Border Meeting and further meeting agendas  
 Comitology details for LFCR inferred from Commission's draft 2015 priority list, which aligns LFCR with Balancing  
 Comitology details for FCA, EB and HVDC based on ENTSO-E Workplan for 2014.