

Joint European Stakeholder Group



Wednesday 25 May: Meeting 12

1. Welcome, Introductions & Travel From

Barbara Vest
JESG Independent Chair

2. Review of Action Log

Sara-Lee Kenney
JESG Technical Secretary

JESG Standing Actions

ID	Topic	Lead Party	Source
S1	Continue to review the membership of the JESG and engage additional industry parties where appropriate.	JESG Chair	JESG S3
S2	Prepare a commentary / comparison document between the Network Code and the existing GB arrangements at appropriate stages in the Code development for each Network Code.	NGET/Ofgem/DECC	JESG S1
S3	Share any intelligence about how other member states are approaching demonstrating compliance through information gained from other government departments, regulators or parent companies	DECC / Ofgem / Industry parties with European parent companies	ECCAF 3/2
S4	Stakeholders are requested to provide specific examples of inconsistent or problematic definitions in the Network Codes to Ofgem (natasha.z.smith@ofgem.gov.uk) and DECC (elena.mylona@decc.gsi.gov.uk).	All Stakeholders	JESG S6

JESG Open Actions

ID	Topic	Lead Party	Update
27	Possibility to schedule a JESG meeting in late spring Brussels in 2016	Energy UK	On hold At the April JESG, Stakeholders agreed value in holding a JESG in Brussels but suggested to place on hold and revisit later on in 2016.
41	DECC to communicate details of the Stakeholder sessions they have held to date on the 'view for the future Energy Market Design' to the JESG along with any future sessions planned	DECC	Open
42	Look to hold a Glasgow JESG either side of the Autumn NGET Customer Seminars (October).	Technical Secretary	Open - The structure, format and dates for future NGET Customer Seminars is currently being developed. Further information to follow pending this review.

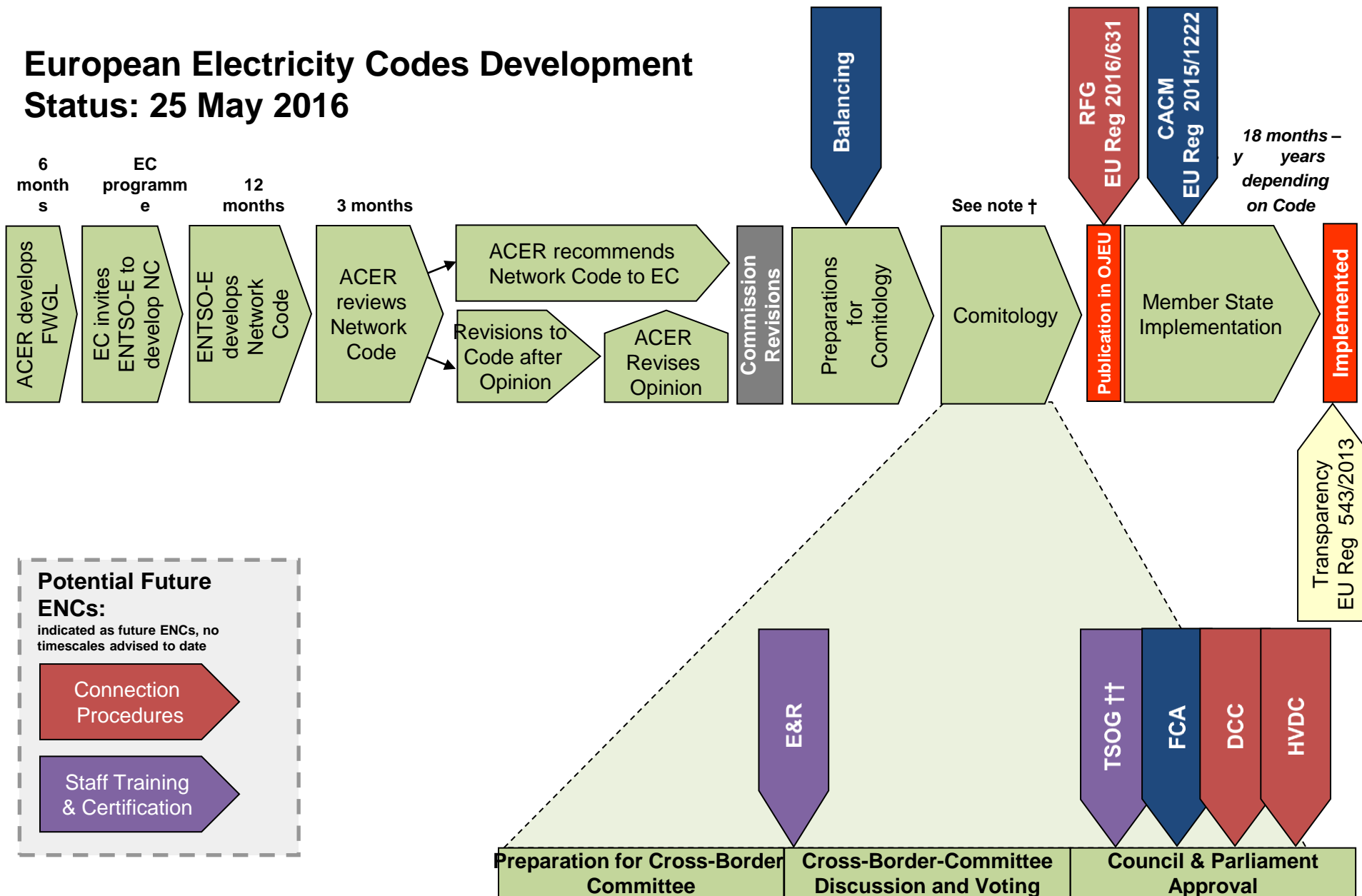
3. Summary Status of European Network Codes

JESG Technical Secretary & Ofgem

Key updates since we last met...

- Transmission System Operator Guideline (TSOG) approved by Member States
- Requirements for Generators Network Code: Published in the Official Journal of European and now law (**EU Reg 2016/631**)
- Emergency & Restoration Network Code: Latest Version released to member states expected to be discussed at the next Cross Border Committee
- **CACM: Capacity Calculation Regions Decision Update**

European Electricity Codes Development Status: 25 May 2016





† Timescales for the stages of Comitology are not specified and under the Commission's control
 †† OS, OPS and LFCR have been merged in to form one single Transmission System Operation Guideline.


All queries to: europancodes.electricity@nationalgrid.com


Stakeholder Engagement


Key:

 GB Meeting

 European Meeting

 Decision

 Potential GB Meeting

 Potential European Meeting

	May	Jun	Jul	Aug	Sept	Oct
CACM	<div> NRA CCR Decision</div> <div> HAR, ID etc Workshops</div> <div> JESG Subgroup</div>	<div> CGM and GDLPM submissions to all NRAs</div> <div> JESG Subgroup</div>	<div> JESG Subgroup</div>	<div> JESG Subgroup</div>	<div> JESG Subgroup</div>	<div> JESG Subgroup</div>
Connection Codes: RFG, DCC, HVDC	<div> Workgroup & Co-ord group</div>	<div> Workgroup & Co-ord group</div>	<div> Workgroup & Co-ord group</div>	<div> Workgroup & Co-ord group</div>	<div> Workgroup & Co-ord group</div>	<div> Workgroup & Co-ord group</div>
FCA		<div> Anticipated EIF</div>				
TSOG	<div> Code Mapping Workshop</div>	<div> Expected Stakeholder Session</div>				
ER	<div> Cross Border Committee Discussion</div>					
BAL		<div> BSG</div> <div> BSFG</div>				
JESG Meetings	<div> JESG meeting</div>	<div> JESG meeting</div>	<div> JESG meeting</div>	<div> JESG meeting Edinburgh</div>	<div> JESG meeting</div>	<div> JESG meeting</div>
Cross Code						
Stakeholder Committees	<div> Market Meeting (closed membership)</div>	<div> Grid Connection Meeting (closed membership)</div>				

Code	May	Jun	Jul	Aug	Sept	Oct
Capacity Allocation and Congestion Management	National Regulatory Authority (NRA) decision on Capacity Calculation Regions (CCRs) due 14 May CACM/FCA mplementation Subgroup: PM - Wed 25 May, London ENTSO-E Public Workshops: 6 May - Harmonised Allocation Rules 9 May - Day Ahead Firmness Deadlines & Intraday Cross Zonal Capacity Gate Opening and Closure Time		Mid July Deadline for all TSOs to submit proposals on Common Grid Model (CGM) and Generation and Load Data Provision Methodology (GDLPM) to NRAs			
Grid Connection Codes: RfG, DCC, HVDC	11/12 May GCC Workgroups Requirements for Generators (RfG) Network Code: Approved to become Law	14/15 June GCC Workgroups	12/13 July GCC Workgroups			
Forward Capacity Allocation	CACM/FCA Implementation Subgroup: PM - Wed 25 May, London	Anticipated Entry Into Force				
Transmission System Operation Guideline	GB Code Mapping Workshop Number 4: 26 May					
Emergency & Restoration	Cross Border Committee Discussions expected					
Balancing		<ul style="list-style-type: none"> Balancing Stakeholder Group (BSG) – 29 June (ENTSO-E – Brussels) Balancing Stakeholder Focus Group (BSFG) GB – TBC 				
JESG	25 May – London	21 June - London	20 July London	24 August Edinburgh	28 September - London	26 October - London
Cross Code						
Stakeholder Committee	11 May (Markets)	6 June (Grid Connection)				

4. TSO Obligations under the European Network Codes

Ofgem

5. GLDPM & CGMM Methodologies Update

Rob Selbie
(NGET)

GLDP & CGMM Methodologies Update

Generation and Load Data Provision Methodology (GLDPM) & Common Grid Model Methodology (CGMM)

Progress since last update;

- ENTSO-E Public consultation closed; over 200 stakeholder comments received
 - Plus informal feedback from regulators
 - Responses to each comment will be made available
 - Documents have been changed in light of feedback
- Documents now take the format of a legal regulation
 - All descriptions, explanations have been removed
 - Organised largely by topic and process
 - Clearer to understand the requirements
 - Specific and explicit timescale for implementation

Now being approved by all TSOs and submitted to all NRAs on 14th June

6. JESG Helpful Information Review

Sara-Lee Kenney
(Technical Secretary)

An Overview for GB Industry Parties Electricity European Network Codes

Last updated: June 2015

INTRODUCTION

This document has been put together by National Grid on behalf of the JESG to assist industry parties in understanding the European Network Codes, the process for developing and implementing them and the potential high-level impacts on industry parties.

This document is provided solely for information purposes its contents do not constitute legal advice.

LATEST CODE STATUS

For the latest information on each of the Network Codes, please refer to the JESG website 'Useful Documents Section': <http://www2.nationalgrid.com/UK/industry-information/Electricity-codes/European-network-codes/Joint-European-Stakeholder-Group/>

4 SUITE OF EUROPEAN NETWORK CODES

There are presently ten European Network Codes/Guidelines at various stages within the development process.

Both network codes and guidelines have the same legal status and will become directly applicable EU regulations, the difference being their development and modification routes. (As defined in Regulation (EU) 543/2013). The European Commission has indicated that network codes should be complete whereas guidelines may leave methodologies to be determined after entry into force.

These ten European Network Codes/Guidelines are deemed the 'priority' by the European Commission and grouped into three areas of focus: 'Grid Connection', 'Markets' and 'System Operation' as detailed below.

Topic	Network Codes	What the codes cover
Grid Connection Network Codes	<ul style="list-style-type: none"> Requirements for Generators Demand Connection code High Voltage Direct Current 	Provide functional requirements for generators, demand and HVDC equipment wishing to connect to Transmission and Distribution Networks.
Markets Network Codes/Guidelines:	<ul style="list-style-type: none"> Capacity Calculation & Congestion Management Guideline Forward Capacity Allocation Guideline Balancing Network Code 	Central to delivering the single European Energy Market, dealing with the allocation of cross-border capacity and energy in the forwards, day-ahead and intra-day markets. The Balancing European Network Code delivers a framework to facilitate the cross-border exchange of balancing and reserve products between system operators.
System Operation Network Codes:	<ul style="list-style-type: none"> Operation Security Operational Planning & Scheduling Load Frequency Control & Reserves Emergency & Restoration 	Designed to ensure a secure and harmonised approach to system operation across systems. Also to establish a framework for the sharing and exchange of reserve products between member states.

In addition there is a European Regulation on submission and publication of data in electricity markets (Regulation (EU) 543/2013) known as the Transparency Regulation. The implementation of this regulation is complete – please refer to the ENTSO-E transparency platform: <https://transparency.entsoe.eu/>

It is expected that further European Network Codes will need to be developed in the future, however no firm dates have been identified in either the ACER or ENTSO-E work schedules. Future European Network Codes are expected on Connection Procedures, and Tariff Harmonisation.

EUROPEAN THIRD ENERGY PACKAGE

The European Third Energy Package was adopted in July 2009, and has been law since March 2011. The Third Energy Package refers to a suite of legislation for both Electricity and Gas and is a key step forward in developing a more harmonised European energy

decarbonisation obligations; ensuring security of supply in light of a changing generation mix; and creating a single European Market for Electricity.

For Electricity, the Third Energy Package comprises of two regulations and a directive:

- Conditions for access to the network for cross-border exchanges in electricity (Regulation (EU) 714/2009);
- Regulation establishing an Agency for the Cooperation of Energy Regulators (Regulation 713/2009);
- Common rules for the internal market in electricity (Directive 2009/72/EC).

As is common to all EU law, regulations apply directly to the member states, whereas directives require transcription into national law. In particular, Directive 2009/72/EC was transcribed into GB Law via The Electricity and Gas (Internal Markets) Regulations 2011.

EUROPEAN NETWORK CODE DEVELOPMENT PROCESS

The development process for the European Network Codes is outlined in Regulation 714/2009 and details a staged process involving:

- European Commission
- ACER (Agency for the Cooperation of Energy Regulators)
- ENTSO-E (European Network of Transmission System Operators for Electricity)

The development process is outlined in Figure 1 below.

The key stages in the process are as follows:

- **Development of Framework Guidelines (FWGL).** ACER is invited by the European Commission to prepare a set of high-level principles on particular topics. This is a 6 month process.
- **Development of the European Network Code.** ENTSO-E is invited to prepare a European Network Code on a particular topic based on the Framework Guidelines. This is a 12 month process and includes a 2 month public consultation period.
- **Review of the European Network Code.** ACER will review the European Network Code for compliance with the framework guidelines. They may ask ENTSO-E to make some revisions. ACER will issue an opinion and (qualified) recommendation to the European Commission. The initial review will take 3 months, however, the process for ENTSO-E to make revisions is not time constrained.
- **Comitology.** Comitology, or 'committee procedure', is the formal process by which European Law is agreed. It involves member states, the Council of the European Union and European Parliament. The Comitology process is explored in further detail later.
- **Publication.** The European Network Codes are expected to be published in the Official Journal of the European Union (OJEU). The European Network Codes are expected to take the form of a Regulation.
- **National Application.** Individual member states will need to align their domestic requirements with the requirements of the European Network Codes, based on the scope and timelines outlined in them. This will ensure that domestic requirements are consistent with the requirements of the European Network Codes.

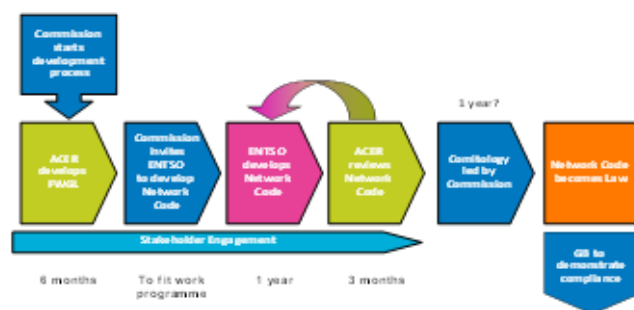
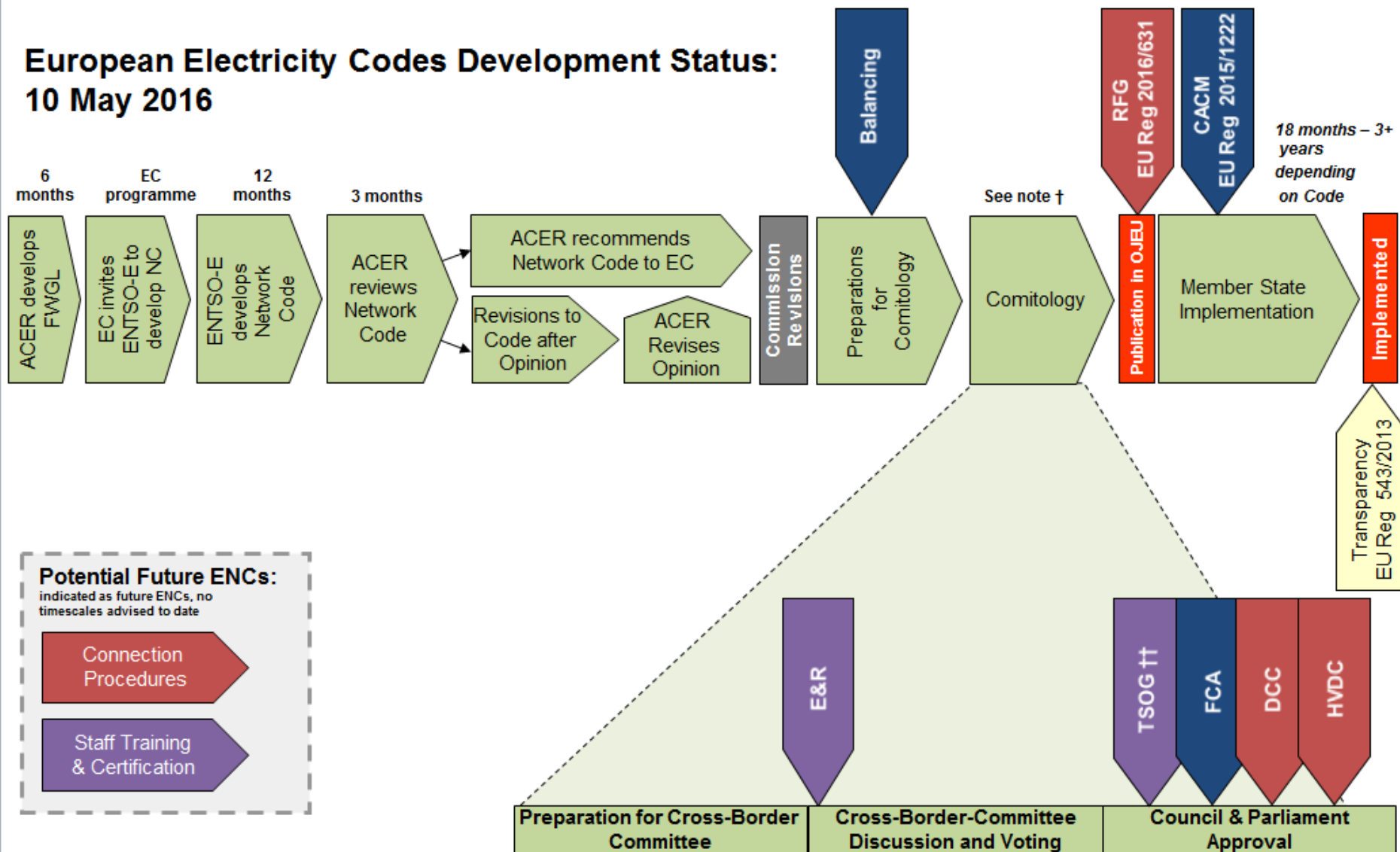


Figure 1: ENO development process

European Electricity Codes Development Status: 10 May 2016



† Timescales for the stages of Comitology are not specified and under the Commission's control
 †† OS, OPS and LFCR have been merged in to form one single Transmission System Operation Guideline.

All queries to: europeancodes.electricity@nationalgrid.com

Electricity European Network Codes Status and Timeline

10 May 2016

The dates and future processes are based on "best guess". In particular, all timescales associated with Comitology and implementation are indicative and subject to change.

KEY

Activitior undertaken by ACER

Activitior undertaken by European Commisrion

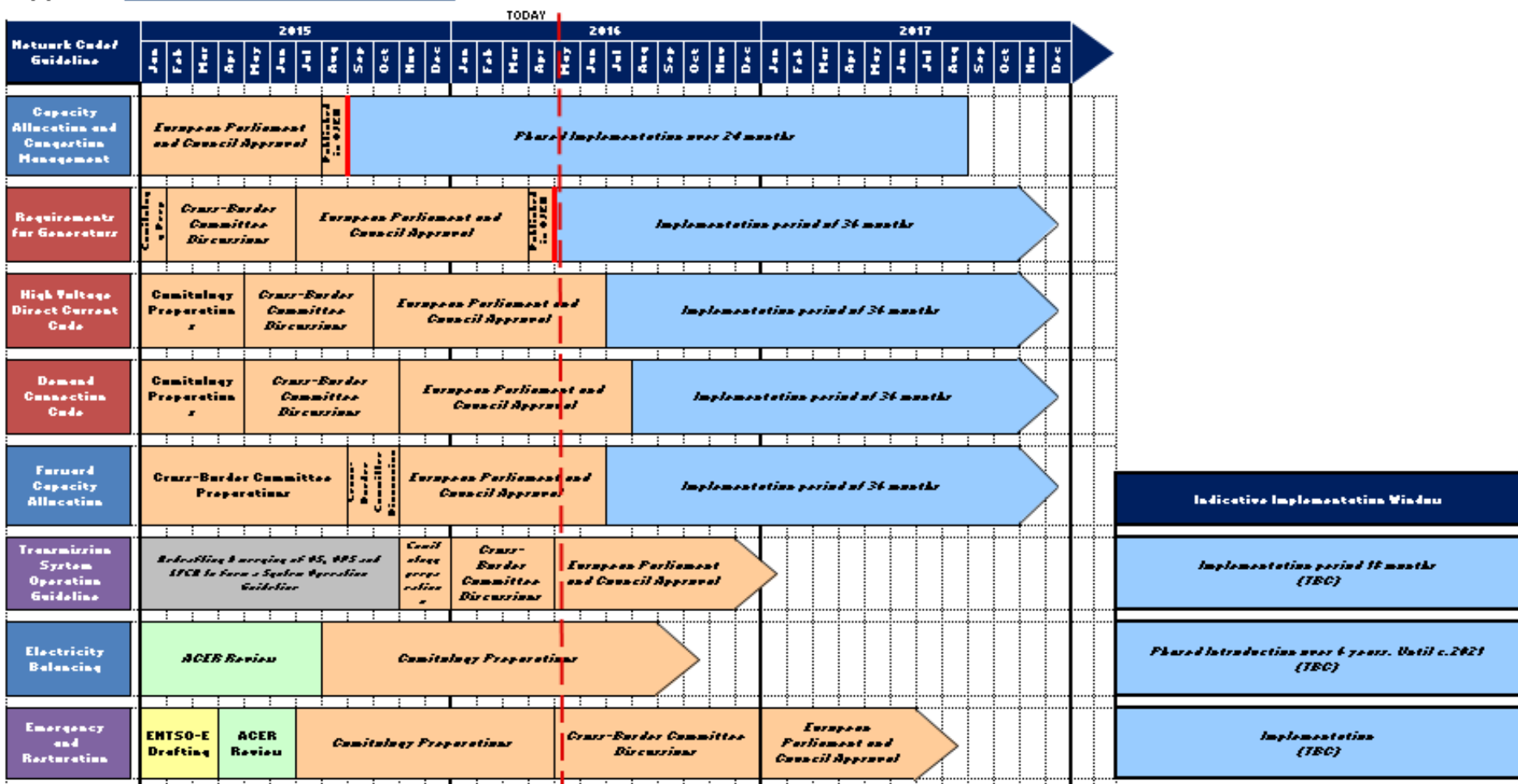
Activitior undertaken by ENTSO-E

Implementation Period

Entry into Force / Applicability of Requirements

Code Revision

Any queries to: enrg@ec.europa.eu



Electricity European Network Codes & Guidelines Summary

10 May 2016

Grid Connection Codes



	Requirements for Generators (RfG) Regulation (EU) 2016/631	Demand Connection Code (DCC)	High-voltage Direct Current (HVDC)
What does it cover?	The regulation will set, or lays down a process for setting, the requirements that new generators must meet to connect to the network. It also sets some requirements for existing generators in very limited cases.	The regulation will define requirements for new demand users and distribution network connections to the network.	The regulation will provide requirements for HVDC connections and offshore DC connected generation.
Who may be impacted by it?	All new generators from 800W and above connected at Transmission and Distribution voltages. A generator is considered new if it connects after 2 years after entry in to force of this regulation, unless it has let contracts for major plant before that 2 year deadline. By exception, the European Network Code can be applied retrospectively to existing generators, subject to successful cost benefit analysis and Regulatory approval.	All new 'significant demand' at Transmission and Distribution voltages. Demand is considered new if it connects after 2 years after entry in to force of this regulation, unless it let contract for major plant before that 2 year deadline. Significant demand is that providing a Demand Side Response Service, or connected to the Transmission Network. The European Network Code can be applied retrospectively to existing equipment, subject to successful cost benefit analysis and Regulatory approval.	Operators of new HVDC links, and new offshore Power Park Modules connected to the onshore Network via HVDC. The European Network Code can be applied retrospectively to existing equipment, subject to successful cost benefit analysis and Regulatory approval.
Potential GB Framework Impact ¹	Changes to the Grid Code and Distribution Code were confirmed by code mapping and an implementation plan has been produced.	Code changes will be detailed through code mapping when this is completed.	Code changes will be detailed through code mapping when this is completed.
Latest Text	Final - OJEU Publication (Official Journal of the European Union)	September 2015 Commission draft. See JESG website	September 2015 Member States voted on draft. See JESG website
Network Code or Guideline	Network Code	Network Code	Network Code
Phase of development	Published in the OJEU as a Regulation	Comitology - Awaiting European Parliament & Council Approval	Comitology - Awaiting European Parliament & Council Approval
Status Update	RfG became Regulation (EU) 2016/631 on 14 April 2016 and becomes law 20 days after publication. GB Implementation is being considered by GCRP/DCRP RfG Joint Workgroup GC0048 . For more information please contact grid.code@nationalgrid.com	DCC was adopted by Member States in Comitology on 16 October 2015 and now sits with the European Parliament and Council for approval (expected Q2 2016). GB implementation is being considered by GCRP/DCRP DCC Joint Workgroup GC0091 . For more information please contact grid.code@nationalgrid.com	HVDC was adopted by Member States in Comitology on 11 September 2015 and now sits with the European Parliament and Council for approval (expected Q2 2016). GB implementation is being considered by GCRP HVDC Workgroup GC0090 . For more information please contact grid.code@nationalgrid.com
Next Milestone	Member States Implementation	Subject to approval by the European Parliament and Council, publication in the Official Journal of the European Union (OJEU). Entry into Force being 20 days following this publication.	Subject to approval by the European Parliament and Council, publication in the Official Journal of the European Union (OJEU). Entry into Force being 20 days following this publication.
GB Stakeholder	DECC and Ofgem Stakeholder workshop Issues	DECC and Ofgem Stakeholder workshop Issues	DECC and Ofgem Stakeholder workshop Issues

European Network Code/Guidelines Contacts: DECC, Ofgem & NGET

European Network Code Programme GB

	Markets CACM, FCA & BAL	Grid Code Connection RfG, DCC & HVDC	System Operation TSOG (LFCR, OP & OPS) & ER
DECC	Elena Mylona (Code Negotiation) Joe Parsons (Code Implementation)	Ian Lomas (Code Implementation)	Elena Mylona (Code Negotiation) Rob Kinnaird (Code Implementation TSO) David Coan (Code Implementation ER)
Ofgem	Natasha Smith (CACM, Coordination) Lewis Heather (FCA) Grendon Thompson (BAL)	Stephen Perry	David Freed
NGET	Rob Selbie (Lead CACM & FCA) Bec Thornton (Coordination) Chris Fox (Lead BAL)	Rob Wilson (RfG lead) Franklin Rodrick (DCC Lead) Richard Woodward (HVDC Lead)	John Young (Lead) Honor Hynes (Coordination)

Joint European Stakeholder Group

[Barbara Vest](#) (Independent Chair) and [Sara-Lee Kenney](#) (Technical Secretary)

EU Network Codes

What are they?

The Third Energy Package & Regulation (EC) 714/2009 sets out the areas in which network codes will be developed and a process for developing them with the overarching objective to achieve a more harmonised European Energy Market.

There are currently 8 network codes which are grouped into 3 areas of focus 'Markets', 'System Operation' and 'Grid Connection'

Markets	Establishes a platform for managing capacity and flow around the interconnected system to facilitate the setup of a single EU market		
	Capacity Allocation & Congestion Management ("CACM")	Forward Capacity Allocation ("FCA")	Balancing
System Operation	Harmonises the processes Transmission System Operators have to manage their systems, including system restoration		
	(Transmission) System Operation Guideline ("TSOG")	Emergency & Restoration ("ER")	
Grid Connection	Sets consistent technical requirements across EU for new connections of user equipment (e.g. generation/interconnectors)		
	Requirements for Generators ("RfG")	High Voltage Direct Current ("HVDC")	Demand Connection (Code) ("DCC")

Each network code is subject to a development process resulting in it becoming EU law. As this supersedes GB law, our existing regulatory frameworks (e.g. network codes/licences) will need to be aligned accordingly to implement the requirements and ensure compliance.

This is on-going via GB framework code governance at the moment...

For more information email:

europencodes.electricity@nationalgrid.com

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EU Network Codes

How can I get involved?

High level – Single GB Stakeholder Forum:

Joint European Stakeholder Group (JESG)

The JESG is a pan-industry GB Stakeholder forum covering the development, ratification and implementation of EU network codes & guidelines. The JESG meets every month, typically at Elexon in London and other locations including Edinburgh (24 August).

A weekly update is also sent by the JESG every Friday which covers latest developments and headlines associated with the network codes and GB framework.



Working level – Workgroups and Implementation

There are opportunities to engage at a working level for the GB implementation of the EU Network Codes. The list of these groups is shown below.

Workgroups under Grid Code/Distribution Code governance are hosted by National Grid. For more information please email grid.code@nationalgrid.com

EU Category	Code	Impacted GB Frameworks	Industry workgroup	Meeting Frequency
Markets	CACM	Market arrangements (BSC?)	JESG Subgroup	Monthly
	FCA			Monthly
	Balancing	BSC (+ others)	BSFG	Quarterly
System Operation	TSOG	STC/Grid Code/SQSS (+ others)	TBD - Ad hoc sessions via JESG	
	ER			
Grid Connection	RfG	Grid Code/D-Code	GC0048	Monthly
	HVDC	Grid Code	GC0090	Monthly
	DCC	Grid Code/D-Code	GC0091	Monthly

For more information email:

europencodes.electricity@nationalgrid.com

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7. Future Meeting Dates & Agenda Items

Sara-Lee Kenney
(JESG Technical Secretary)

ENTSO-E Forthcoming Events\ Workshops

- | | |
|-------------------|---|
| JUN
01 | Workshop on experiences and conditions for successful implementation of incentives for innovation
01 June 2016
ENTSO-E, Brussels |
| JUN
02 | Joint ENTSOs workshop on 2 June: Let's develop together the future TYNDPs scenarios
02 June 2016
ENTSOs - Brussels |
| JUN
06 | Grid Connection European Stakeholder Committee
06 June 2016
Brussels |
| JUN
07 | Summer Outlook 2016 webinar
07 June 2016
web based seminar |
| JUN
13 | Florence Forum - June 2016
13 June 2016 to 14 June 2016
Florence, Italy |
| JUN
13 | Engaged Customers driving the energy transition
13 June 2016 to 15 June 2016
Brussels |

Visit ENTSO-Es Website for further information:

www.entsoe.eu/news-events/events

Forthcoming Events/Workshops:

ACER:

<http://www.acer.europa.eu/media/events/Pages/default.aspx>

Applicable events to the ENC Programme will also be advertised through the JESG Weekly Updates

2016 JESG Meetings

Date	Description	Venue
Tuesday 21 June	JESG Meeting	Elxon, London
Wednesday 20 July	JESG Meeting	Elxon, London
Wednesday 24 August	JESG Meeting	Shepherd & Wedderburn, Edinburgh
Wednesday 28 September	JESG Meeting	Elxon, London
Wednesday 26 October	JESG Meeting	Elxon, London
Wednesday 23 November	JESG Meeting	Elxon, London
Tuesday 13 December	JESG Meeting	Elxon, London

JESG Website: The full dates and details can be found on the [2016 Meeting dates on the JESG Website](#)

As always registration is required and will be opened through the JESG Weekly updates.

europencodes.electricity@nationalgrid.com

Future Agenda Items

- What would you like to see discussed at future meetings....
- Both London and Edinburgh JESG Meetings

8. Stakeholder Representation

Barbara Vest/ All

9. Any Other Business

Lunch: 12:00-12:30

