

Joint European Standing Group *Meeting 29*



15 October 2014
Elexon, London

1. Introductions



Barbara Vest
JESG Independent Chair

2. Review of the Action Log



Sara-Lee Kenney
JESG Technical Secretary

JESG Standing Actions

Action No	Action	Lead Party
S1	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
S2	Engage with DECC and Ofgem to ensure appropriate and timely input can be provided from GB Stakeholders in to the Comitology process.	JESG Chair
S3	Continue to review the membership of the JESG and engage additional industry parties where appropriate.	JESG Chair
S4	Provide update on future Network Codes and incentives being developed as and when appropriate.	NGET/Ofgem/DECC
S5	If required by the Commission, facilitate an industry-wide read-through of the Network Codes once they are released by the Commission . (formerly Open Action 135)	JESG Chair/Ofgem/DECC
S6	Stakeholders are requested to provide specific example of inconsistent or problematic definitions in the Network Codes to Ofgem (reuben.aitken@ofgem.gov.uk) and DECC (will.francis@decc.gsi.gov.uk). (formerly Open Action 140)	All
S7	Consider the need for how to best capture stakeholders' most recent priority issues before and during the Comitology process, in particular for the RFG, DCC and CACM Network Codes as the codes develop in the pre-comitology phase.	DECC

JESG Actions

Action No	Action	Lead Party	Status	Update
152	Arrange another stakeholder group workshop on RfG Network Code following publication of the next draft.	NGET/DECC/Ofgem	Open	Awaiting new RfG draft
157	<p>What are the arrangements for stakeholder engagement in TERRE and/or the Balancing Network Code:</p> <ul style="list-style-type: none"> • Will stakeholders be consulted on Balancing Code amendments? • Will there be a GB TERRE group? <p>Will CBAs be published to stakeholders?</p>	NGET	Open	Update to be provided at JESG 15 October.
158	What products and what gate closure time will Project Terre use?	NGET	Open	Update at JESG 15 October
159	Report to JESG on ACER's opinion on having both firm and non-firm transmission rights on the same TSO border	Ofgem	Open	The current FCA draft states that rights should be firm.

JESG Actions (continued)

Action No	Action	Lead Party	Status	Update
161	Review the issues logs for the Network Codes that are published on the JESG website	DECC/Ofgem/NGET	Open	Material published on the JESG website needs to be reviewed to assess accuracy/relevance.
163	Invite Simon Reid (GB ENTSO-E Balancing Pilot Project Stakeholder Representative) to a future JESG meeting to provide an update on the Balancing Pilot Projects.	NGET	Open	Simon has been invited to JESG, we will look to organise an update at the next meeting
164	Consider if there should be an obligation to publish the volumes of standard/non-standard balancing products used by the SO.	DECC/Ofgem	Open	
165	Consider how to capture stakeholder concerns ahead of the 17-18 September ENTSO-E Project TERRE workshop.	NGET	Open	
167	Schedule a stakeholder workshop on the ER Network Code	NGET	Open	1 – 2 December 2014, details to be circulated

3. Update on EU Network Codes



Sara-Lee Kenney
JESG Technical Secretary

European Electricity Codes Development Status

9 October 2014

Third Energy Package: Areas for Network Codes and Guidelines detailed in Articles 8(6) & 18(3) of Regulation 714/2009 (EC)

Drafting / Revisions

- ENTSO-E Drafting
- ACER Review
- Revisions following ACER Review

Comitology / Approval

- Comitology preparations & informal discussion
- Redrafting as required by Commission
- Cross-Border Committee Voting
- Parliament/Council Approval

Grid Connection Codes

Requirements for Generators

Demand Connection Code

HVDC

Market Codes

CACM

Forward Capacity Allocation

Balancing

System Operation Codes

Operational Security

Operational Planning and Scheduling

Load-Frequency Control and Reserves

Emergency and Restoration

Published in OJEU
Reg (EU) No 543/2013
Transparency Reg.

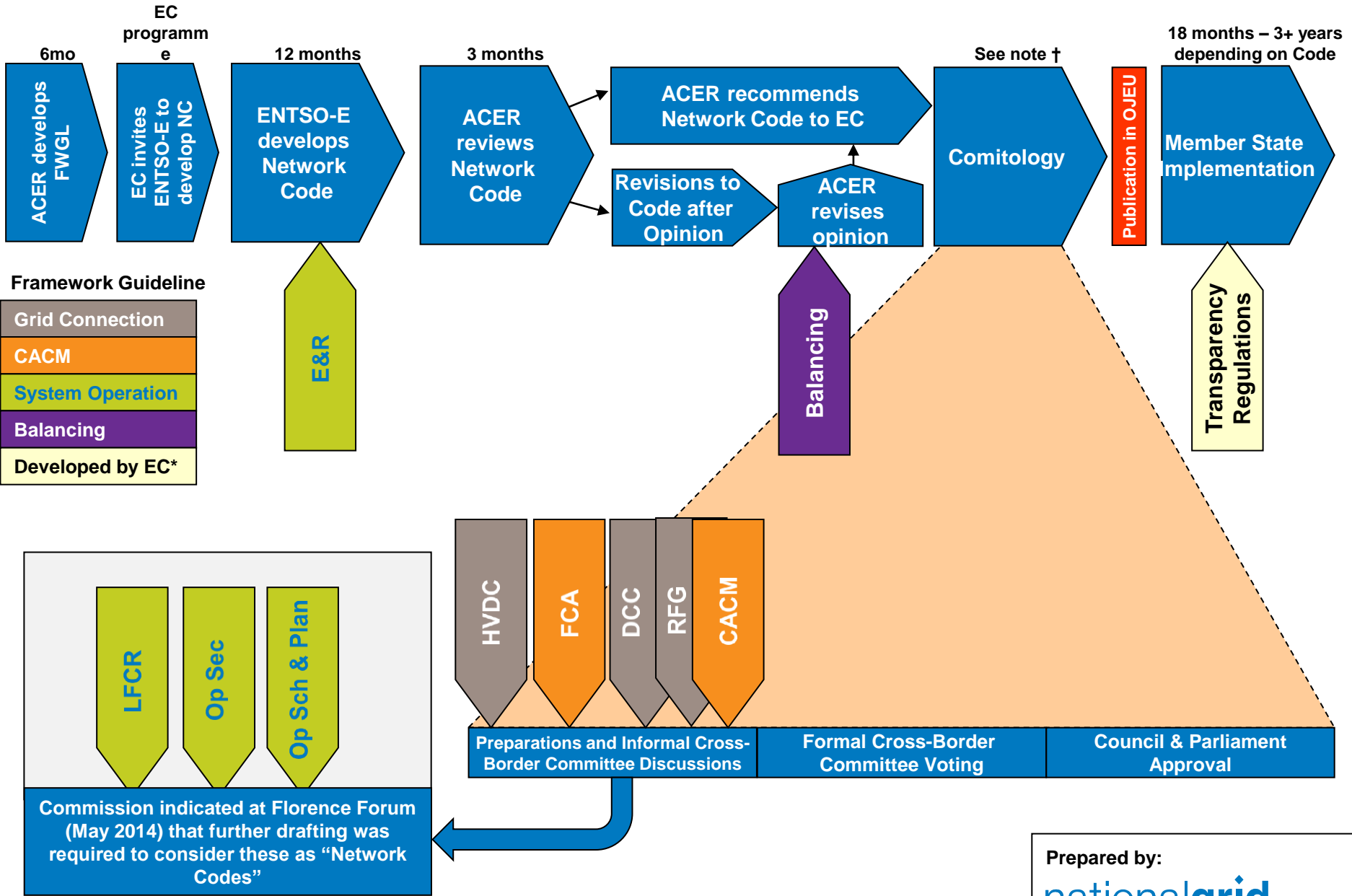
Future ENCs:
indicated as future ENCs, no timescales advised to date

Connection Procedures

Staff Training and Certification

Prepared by:
nationalgrid
europencodes.electricity@nationalgrid.com

European Electricity Codes Development Status: 9 October 2014



* Areas developed by EC follow a different development process and there are no Framework Guidelines.

† Timescales for the stages of Comitology are not specified and under the Commission control

Prepared by:

nationalgrid

europencodes.electricity@nationalgrid.com

Network Code	2013												2014												2015						Implementation Window
	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	
Transparency Regulations	Comitology Parliamentary Approval			Implementation period of 18 months as specified in Regulation												Comitology (TBC)						Now European Law. Implementation in process.									
Capacity Allocation and Congestion Management	Comitology Preparations			Comitology Preparations												Comitology (TBC)						Phased Implementation over 24 months (TBC)									
Requirements for Generators	Comitology Preparations			Comitology Preparations												Comitology (TBC)						Implementation period of 36 months (TBC)									
Demand Connection Code	Comitology Preparations			Comitology Preparations												Comitology (TBC)						Implementation period of 36 months (TBC)									
Forward Capacity Allocation	ENTSO-E Drafting			ACER Review			ENTSO-E Revisions			Review			Comitology Preparations			Comitology (TBC)						Phased Implementation over 39 months (TBC)									
HVDC	ENTSO-E Drafting			ACER Review			ENTSO-E Revisions			Review			Comitology Preparations			Comitology (TBC)						Implementation period of 36 months. Until c.June 2018 (TBC)									
Operational Security	ENTSO-E Drafting			ACER Review			ENTSO-E Revisions			Review			Network Code with EU Commission			Redrafting by ENTSO-E on Commission's request			Comitology (TBC)						Implementation period 18 months (TBC)						
Operational Planning & Scheduling	ENTSO-E Drafting			ACER Review			ENTSO-E Revisions			Review			Network Code with EU Commission			Redrafting by ENTSO-E on Commission's request			Comitology (TBC)						Implementation period 18 months (TBC)						
Load Frequency Control & Reserves	ENTSO-E Drafting			ACER Review			ENTSO-E Revisions			Review			Network Code with EU Commission			Redrafting by ENTSO-E on Commission's request			Comitology (TBC)						Implementation period 18 months (TBC)						
Electricity Balancing	ENTSO-E Drafting			ACER Review			ENTSO-E Revisions			Review			Network Code with EU Commission			Comitology (TBC)						Phased Introduction over 6 years. Until c.2021 (TBC)									
Emergency and Restoration	ENTSO-E Drafting			ACER Review			ENTSO-E Revisions			Review			Network Code with EU Commission			Comitology (TBC)						Implementation (TBC)									

4. Update on RfG Working Group



Sara-Lee Kenney (On behalf of Rob Wilson)
JESG Technical Secretary

RfG Workgroup (GC0048): 24 September 2014

Workgroup discussions summary;

- RfG progress to date and task starters
- Structure for mapping RFG to GB Codes
- National Implementation
- Task List planning

RfG Workgroup (GC0048): 24 September 2014

Workgroup progress and actions summary;

- Workgroup consensus for creation of new connection conditions section (GB)
- List of GB parameters (applicable RfG articles)
- Production of a workgroup task list and project plan

Next Meeting: Monday (20 October)

5. Project TERRE & Standard Balancing Products Update



Steve Miller
NGET

By way of introduction...

The Balancing Code

An update as to where matters are, and what is anticipated next.

&

The ENTSO-E Pilot – Project TERRE

A brief overview, and what can be expected in the next few months.

The Balancing Code

- Since the August update... the Balancing Code still resides in pre-Comitology.
- Two key changes in September submission:
 - The requirement that all regulatory approval which would have influence on market participants be subject to public consultation;
 - TSOs (subject to NRA approval) shall be obliged to allow BSPs to offer balancing energy bids via BSP-TSO model to TSOs.

Project TERRE

- Project TERRE: a reminder & a recap;
 - The Project TERRE road map;
 - Standard products for Replacement Reserve;
 - Product activation timings...an example; &
 - Our next national stakeholder engagements.

Project TERRE – a recap of our objectives

■ Imperatives:

- No net impact on GB and European System Security
- No unnecessary change, cost or impact to GB SO activities or GB industry;
- Align with Balancing, LFCR and other target models;

■ Goals:

- Develop one or more strategic balancing / reserve products in the RR and beyond timescales;
- Improve flexibility and reduce costs of Balancing;

TERRE Product Current Position (Under Negotiation)

Standard Characteristics	
<i>(a) Preparation Period</i>	<15mins
<i>(b) Ramping Period</i>	<15mins
<i>(c) Full Activation Time;</i>	<30mins
<i>(d) minimum and maximum quantity;</i>	1MW Min
<i>(e) Deactivation Period;</i>	<15 mins
<i>(f) Price of the Bid;</i>	Positive/Negative Up/Down
<i>(g) Divisibility;</i>	Time Yes
<i>(h) minimum and maximum duration of Delivery Period;</i>	60 Product, 15,30 or 60
<i>(i) The Bidding Zone where the bid is located;</i>	Local
<i>(j) Validity Period; and</i>	Chosen by BSP
<i>(k) Mode of Activation.</i>	Manual
<i>(l) minimal duration between the end of Deactivation Period and the beginning of the following Ramping Period</i>	Overlap – linked bids

Timing for Product Activation (Under Negotiation)

Example time-sequence for a balancing window covering 9:00 to 11:00 with security analysis and regional optimisation 09:00 to 10:00 and delivery after 10:00

Time T0	BSP	09:00	End of Trading Time for the period from 10:00 to 11:00
T+10		09:10	Final Submission of Bids + Technical Data by BSPs for the period 10AM to 11AM
T+20	TSO	09:20	Completion of security analysis of Bids by each Connecting TSO
	CA	09:20	TERRE Central Algorithm returns results to each TSO
T+25	TSO	09:25	TSOs Integrate the TERRE solution into their national / secure solution
	TSO	09:25	Activation of TERRE Standard Products by each Connecting TSO
	BSP	09:25	BSPs receive
T+45	Delivery	09:45	End of Preparation
	Delivery	10:00	End of Ramping
T+60	Delivery	10:00	Full Activation achieved
	Delivery	10:00	Delivery Commences
T+90	Delivery	10:30	Delivery Ends (varies by product but if we assume a 30min product)

Next stakeholder engagements...

- Common Slide pack for each TSO
 - Consistent and Transparent
- SPOC Meetings
- ENTSO-E Stakeholder Group
- European Code/Interconnector team in Balancing Services
 - Afternoon Workshop at JESG-OFGEM-DECC?
 - Operational Forum?

6. Emergency & Restoration Network Code Update



Peter Chandler
NGET

Contents of Network Code

The Network Code consists of 8 Chapters -

- Chapter 1 - General Provisions
- Chapter 2 - System Defence Plan
- Chapter 3 - Restoration Plan
- Chapter 4 - Market Interactions
- Chapter 5 - Information Exchange and Communication, Tools and Facilities
- Chapter 6 - Compliance and Review
- Chapter 7 - Implementation
- Chapter 8 - Final Revisions

In addition a Supporting Document has been prepared

Network Code Status

Drafting Team Emergency & Restoration has improved the draft:

- All Chapters have been developed
- Consistency ensured in the requirements
- Redundant requirements with other Network Codes avoided
- Stakeholder comments taken in to account

Chapters on Restoration Plan and Compliance and Review have been significantly extended compared to version released in June

Network Code Improvements

Restoration Plan Chapter

- Re-energisation strategies
- Criteria for appointment & responsibilities of Frequency Leader
- Frequency management obligations in case of system split or significant frequency deviation
- Re-synchronisation issues and appointment & responsibilities of Re-synchronisation Leader
- Stakeholder comments taken in to account

Network Code Improvements

Compliance and Review Chapter

- Minimum requirements based on existing practices

Information Exchange and Communication, Tools and Facilities Chapter

- Availability of relevant facilities, in case of loss of primary power supply, is set to at least 24 hours

Market Interaction Chapter

- New

Sensitive Issues

- System Defence Plan: Low Frequency Demand Disconnection parameters to be harmonised for each Synchronous Area
- Market Interactions: Market Suspension & Restoration rules being developed. Cost recovery for generators raised as a significant issue at 1st Stakeholder Workshop. Market Interactions Working Group progressing
- Information Exchange and Communication, Tools and Facilities: At least 1 voice communication channel shall have backup power supply for at least 24 hours. Not all TSOs can currently achieve this (OK for GB)
- Compliance and Review: Compliance testing timescales could be challenging for Black Start plant, demand facilities, LFDD relays, communication channels & tools, TSO facilities

Stakeholder Engagement

- 1st Stakeholder Workshop on 9th July 2014
- Public Consultation 13th October – 8th December 2014
- 2nd Stakeholder Workshop on 12th November 2014
- ACER meetings
- SOC meetings
- DSO Technical Expert Group meetings
- Market Interactions Working Group meetings

Milestones & Next Steps

- Key Policy Issues document approved by Assembly in July
- Network Code Legal Assessment completed in September
- Network Code Mature 1 & Supporting Document submitted to SOC and Assembly in September
- Approved by Assembly on 13th October -
 - Network Code Mature 1
 - Supporting Document
 - Legal Consistency Note
 - Legal Assessment
- Public Consultation 13th October – 8th December 2014
- Drafting Team meetings to review comments from Public Consultation on 13th November, 11th December & 16th-18th December
- Assembly meeting on 10th December

7. TYNDP 2014 Consultation Feedback



Bec Thornton
NGET

TYNDP

- 2014 Plan consultation closed and thus far well received
- 2014 Plan due for publication Nov 2014
- 2016 Plan – work commenced
- Plan includes both ENTSO-E member and non-member TSO projects (all self-nominated)

TYNDP – Projects of common interest

- PCIs are essential to increase transmission opportunities along key gas & electricity corridors
- Potential PCIs are self nominated – need to be included in previous TYNDP first
- Next list due 2015 Nominations for PCIs will be Feb 2015
- Further details on ENTSO-E website or EC website

8. JESG & ECCAF 2015 Meeting Dates



Sara-Lee Kenney
JESG Technical Secretary

Provisional JESG Dates 2015

Date	Comments
Tuesday 20 January	
Tuesday 24 February	(Avoiding half term week 16-20 Feb)
Tuesday 24 March	
Tuesday 21 April	
Thursday 21 May	(Avoiding Energy UK Board meeting on Tuesday 19 th)
Tuesday 23 June	
Tuesday 21 July	
August – Date TBC	Edinburgh JESG
Tuesday 22 September	
Tuesday 20 October	
Tuesday 24 November	
Tuesday 15 December	

Provisional ECCAF Dates 2015

Date	Description
Tuesday 6 January	
Tuesday 3 February	
Tuesday 3 March	
Tuesday 14 April	(Avoiding half term 30 March – 10 April)
Tuesday 5 May	
Tuesday 2 June	
Wednesday 1 July	
August - TBC	
Tuesday 1 September	
Thursday 1 October	
Tuesday 3 November	
Tuesday 1 December	

9. Forthcoming Events



Sara-Lee Kenney
JESG Technical Secretary

Forthcoming Events – ENTSO-E

- European Utility Week 2014
 - 4 – 6 November, Amsterdam

- Emergency & Restoration Network Code: Stakeholder Workshop
 - Wednesday 12 November, Brussels

- ENTSO-E Conference
 - Wednesday 19 November, Brussels

www.entsoe.eu/news-events/events

Forthcoming Events – E&R Network Code

- Emergency & Restoration Network Code Stakeholder Workshop
 - 1 – 2 December 2014, Elexon, London
 - Within the consultation period for the E&R Network Code; follows the ENTSO-E event on 12 November
 - 13:00 – 17:00 Monday 1 December
 - 10:00 – 17:00 Tuesday 2 December
 - Registration details to be circulated via the JESG Weekly Update

Forthcoming Events - JESG

- Next Scheduled JESG: Tuesday 4 November
- December JESG: Wednesday 3 December

<http://www2.nationalgrid.com/UK/Industry-information/Electricity-codes/Standing-groups/Joint-European-standing-group/>

10. Review of Stakeholder Representation



Barbara Vest
JESG Independent Chair

11. Any Other Business



Barbara Vest
JESG Independent Chair

12. Lunch





Afternoon Session



DECC/Ofgem Stakeholder Meeting