

# RfG, DCC and HVDC update

For Network Code Forum  
17<sup>th</sup> Dec 2013



# Update on Connection Codes

## NC RfG

- Continuing discussions with EC, as part of comitology
- Final version of code, discussion and voting in comitology expected from Jan/Feb 14

## NC DCC

- Continuing discussions with EC, as part of comitology
- Final version of code, discussion and voting in comitology expected in parallel with NC RfG with completion post NC RfG

## NC HVDC

- In consultation until Jan 7<sup>th</sup> 14
- SEM Workshop for HVDC provisionally for 3<sup>rd</sup> Jan 14

# Network Code on Forward Capacity Allocation

Mark Lane

17<sup>th</sup> December 2013



# 1st trilateral meeting – 8 Nov

## **ACER Top 5 Issues** (not in order of priority)

1. timeline to decide on cross zonal risk hedging opportunities
2. principles for LTR payouts (revenue adequacy)
3. firmness provisions
4. timeline for platforms, allocation rules, nomination rules and type of LTR
5. regulatory approvals (non-exhaustive list, no NRA decision on national level)

## **ENTSO-E Issues**

- certainty on cost recovery
- firmness provision depends on cost recovery
- non-exhaustive NRA approval list is a cross code issue, will have a look at the new recital of OS,OPS codes



# 2nd trilateral meeting – 27 Nov

## **New cost recovery proposal & revised firmness regime of ENTSO-E shared with EC/ACER**

- EC: further adjustment is needed to clarify the legal principles to provide full cost recovery
- ACER: firmness regime proposed in the position paper

## **Single Allocation Platform**

- ENTSO-E to review/flesh out the process steps

## **Revenue Adequacy**

- ACER/ENTSO-E working on possible solution

## **Cross Zonal Risk Hedging Opportunities**

- ACER to come up with a set of criteria for the (re)assessment to be included to the code



# Harmonised Auction Rules

- **Revised ToR of HAR subgroup**
- **High level roadmap for delivery**
- **Launch for additional nominations to help with the work on 16th Dec**
- **To be presented at next AESAG meeting on 10<sup>th</sup> Jan 2014**



# Other work in the Forwards area

- **CASC-CAO MoU**
- **ACER Position Paper on Firmness**
- **ENTSO-E Position Paper on Firmness**
- **ENTSO-E Position Paper on Capacity Buy Back**
- **ENTSO-E Position Paper on Multi-annual auctions**
- EirGrid Group heavily involved in ENTSO-E position papers



# Network Code on Electricity Balancing

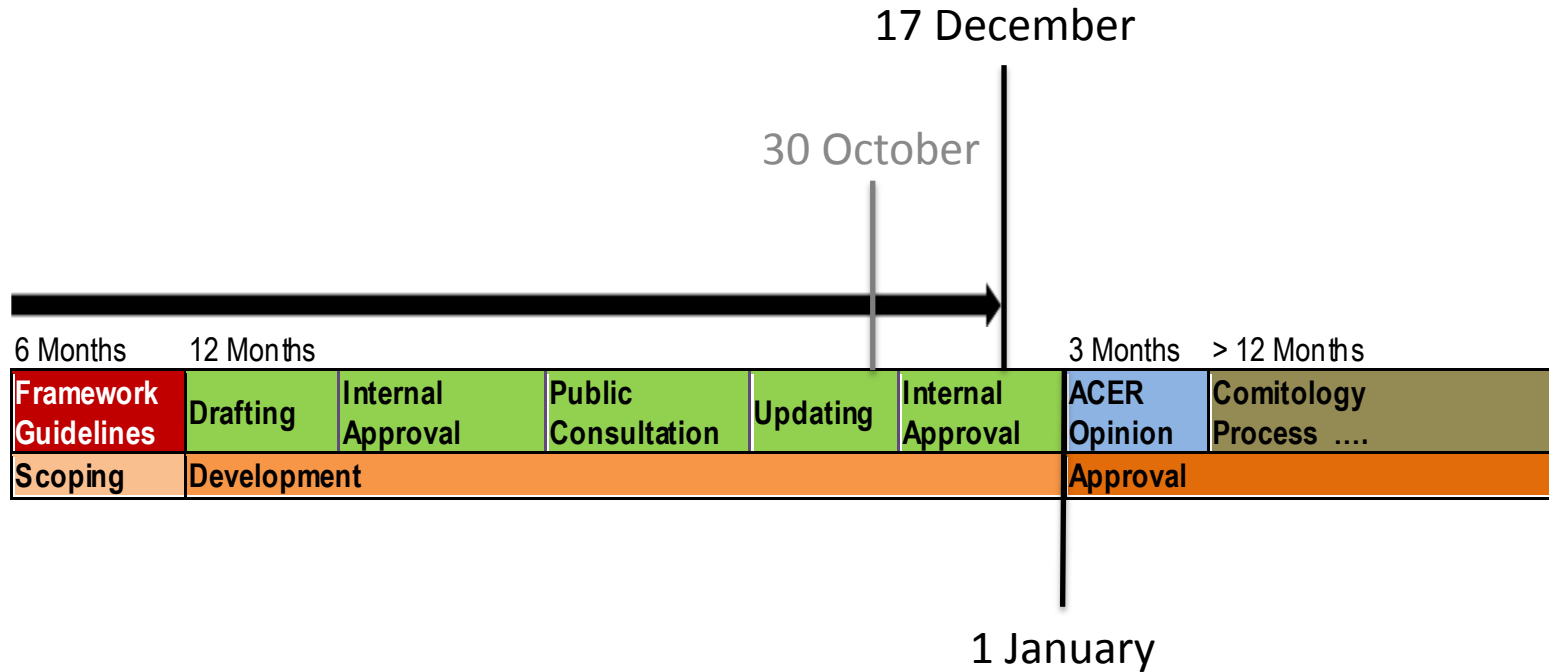
Conor Kavanagh

17<sup>th</sup> December 2013





# NC EB Drafting: Timeline



# NC EB Drafting: Steps in approval process

23 Oct

3<sup>rd</sup> Public Workshop

24 Oct -1 Nov

ENTSO-E Legal review

1 Nov -7 Nov

Preparation of final NC EB version

7 Nov -14 Nov

ENTSO-E Market Committee Approval

19 Nov -3 Dec

ENTSO-E Assembly Decision

17 Dec -23 Dec

ENTSO-E Assembly Written Approval

31 Dec

Submission of NC EB and Supporting Document to ACER



# NC EB Drafting: Public Information

Version 1.30 was published on 23 October.

Version 1.35 expected to be submitted to ACER and published ENTSO-E website by 1 January 2014.

Further drafting expected to be required in early 2014.

New web address for Network Codes:

<http://networkcodes.entsoe.eu/>



# NC EB: Implementation

## 1. TSOs/MO Introductory Analysis Document

- Published on [www.eirgrid.com](http://www.eirgrid.com) on 16 December.

## 2. Input to RA SEM High Level Design.

- NC EB requirements (frequency control & reserve)
- Additional Operational Security requirements (aka local balancing)



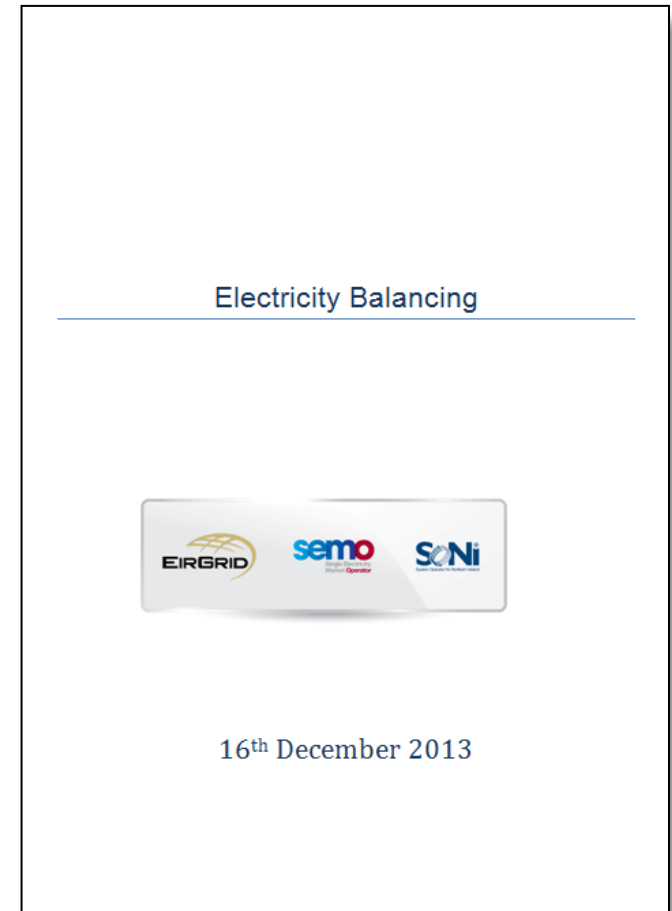
# NC EB: TSOs/MO Introductory Analysis

Updated for V1.30 (latest published version)

Similar structure to NC CACM & NC FCA docs.

Contents:

- Interactions with other Network Codes
- Entities and Roles
- Targets for Implementation
- The Methodologies in the NC EB
- NC EB in an All-island context
- The Balancing Process (day-to-day)



# NC EB: Input to RA SEM High Level Design

Meeting held on 9 December to discuss TSOs/MO Introductory Analysis Document as part of discussion on how balancing actions interface with day-ahead and intraday bids.

Local balancing actions include NC EB requirements (frequency control & reserve) and also additional Operational Security requirements.

- Voltage control
- Stability limits
- Transmission constraints etc.

Phased approach to implementation of the NC EB to be considered.



# Thank you



# NC OS and NC LFC Update 17/12/13





# NC OS

- ACER opinion on resubmitted Code 12/11
  - Recommend adoption of the code subject to a number of amendments
- EC have asked ENTSOE for some clarifications
- Majority of Pre-Comitology work to start late January
- EC plan to have an informal NC OS draft February/March
- EC plan to have a formal NC OS draft April/May
- Changes through Member State



# NC LFCR

- Positive ACER opinion with three recommendations
- Not finally decided whether LFCR will be presented at the same time as OS or later with EB
- EC plan to have an informal NC LFCR draft February/March
- EC plan to have a formal NC LFCR draft April/May
- Changes through Member State





# ACER Amendments NC OS

ACER recommend the adoption of the code subject to a number of amendments:

- NRA approval of the scope of data exchange with SGU;
- NRA approval for modifications to Demand Facilities required by the TSO;
- NRA approval of the methodology and criteria for the establishment of common contingency list in a Synchronous Area;
- Performance indicators should have a Member State resolution;
- Recital (10) should not limit the competences of Member States and NRAs;
- The possibility that the current wording of Article 1(4) could lead to interpreting the Code as not applying to any DC Transmission System (or parts of);
- Consistency and clarity of “endeavours”, “best endeavours” and “economically efficient and feasible”;
- Criteria for when a TSO can request compliance tests;
- Article 31(9) lacks clarity;
- NRA involvement in the analysis and classification of system incidents; and
- Compatibility with HVDC Code which introduces “DC-connected Power Park Modules” and HVDC Systems”, these are not referred to in NC OS.



# ACER Recommendations NC LFCR

ACER recommend the adoption of the code subject to the consideration of a number of recommendations:

- Sharing of FCR between Synchronous Areas (currently only allowed between SAs IRE and GB)
- The Recitals (7) with regard to National Scrutiny (corrected in the most recent version of the Recitals)
- The minimum time period of 30 minutes for full activation of continuous FCR (not an issue for SAs IRE and GB)



# ENTSO-E

## Network Code Update

Operational Planning and Scheduling

Glen Flanagan (Operations Engineer, SONI)



# Operational Planning and Scheduling, drafting up-date

- Drafting team, Acer & EC work together on re-draft
- Re-drafted and resubmitted to Acer 24th Sept
- Positive ACER opinion received 11<sup>th</sup> Nov. with recommendations on;
  - National scrutiny
  - Compatibility with other NC's
  - Performance indicators
  - Scope and application of NC



