# **Load-Frequency Control and Reserves Network Code**







David Bunney JESG – 19 March 2013

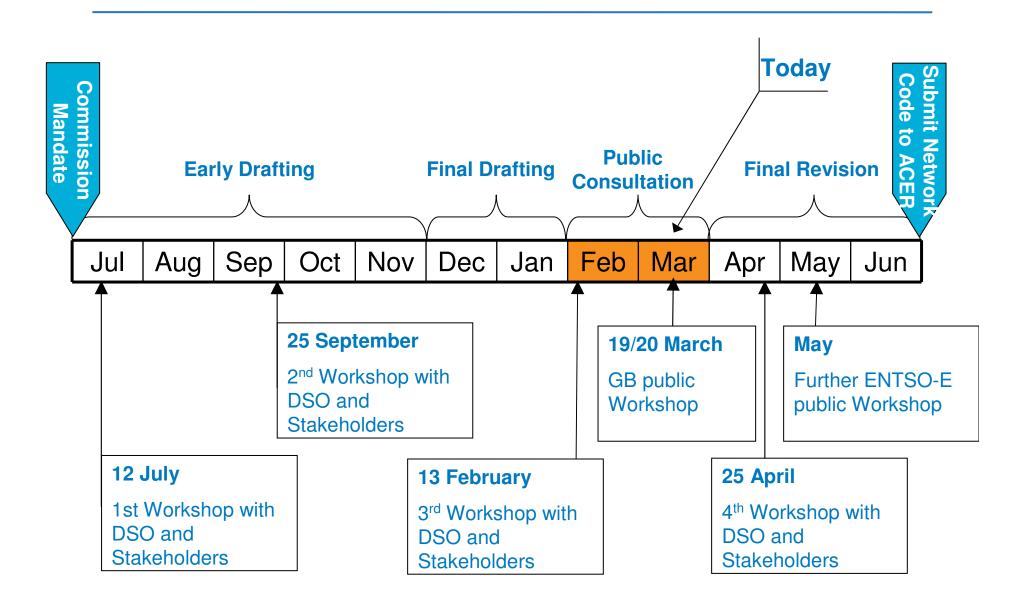
#### **Agenda**

- Overview and Timescales
- Key Requirements of the Network Code
- Key Issues
- Stakeholder Engagement

#### **Overview**

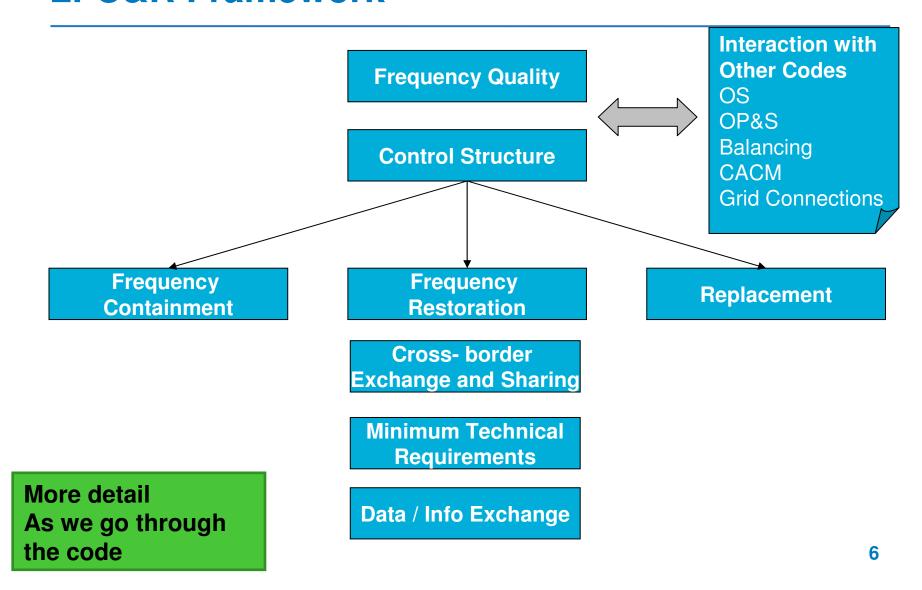
- One of the Network Codes being developed under the System Operation Framework Guidelines
- Overview:
  - The LFC&R Network Code considers the containment and restoration system frequency and appropriate dimensioning of reserves to achieve and maintain satisfactory frequency quality in terms of the frequency deviations from the nominal value and how often these deviations occur within a defined time period.
  - The code seeks harmonisation where practical and achievable and standardisation of terminology.
- Where necessary parameters are defined on a per synchronous area basis

#### **ENTSO-E LFC&R Timescale**



#### **Provisions of the Network Code**

#### LFC&R Framework



## **Stakeholder Engagement**

#### **ENTSO-E Stakeholder Engagement**

- ENTSO-E Public Stakeholder Workshop
  - 12/03/2013 took place in Brussels
  - A further Public Workshop will be arranged towards the end of the drafting process
- All Responses to ENTSO-E by electronic comment via the consultation website.
  - https://www.entsoe.eu/news-events/entso-e-consultations/
  - https://www.entsoe.eu/major-projects/network-codedevelopment/load-frequency-control-reserves/

#### **GB Stakeholder Engagement**

- (Today) 19<sup>th</sup> & 20<sup>th</sup> March 2 day event (ELEXON Building)
  - Presentation and discussion on the LFCR code and its impact on GB operations and industry.
  - Please this does not replace the ENTSO-E consultation. Formal stakeholder comments are to be submitted directly to ENTSO-E.

#### **Thank You**

Move to specific review of the articles in the code