ENTSO-E Network Code Update

Operational Security

8







- Frequency Quality
 - Set frequency quality targets
 - Data collection
 - Data analysis
 - Publication process
- Load Frequency Control Structure

Process Activation Structure

Control and implementation requirements

- •FCR
- •FRR (manual and automatic)
- •RR
- Cross Border Reserves

Process Responsibility Structure

Areas and area related obligations for TSOs







- FCR, FRR and RR
 - Determination of volume (total and share)
 - Determination of required properties
 - Characteristics of activation (proportional governor and piecewise linear)
 - Reserve providing units (amount and location)
 - Availability
 - Monitoring
 - Risk levels
 - e.g.Synchronous Area risk level as a function of Frequency







- Exchange of Reserves
 - Within synchronous areas and between synchronous areas
 - Set limits
 - Roles and responsibilities
- Synchronous Time Control
- Cooperation with DSO
 - Reserve providing unit to provide information to DSO
 - DSO can set limits on the delivery of reserves based on seurity analysis





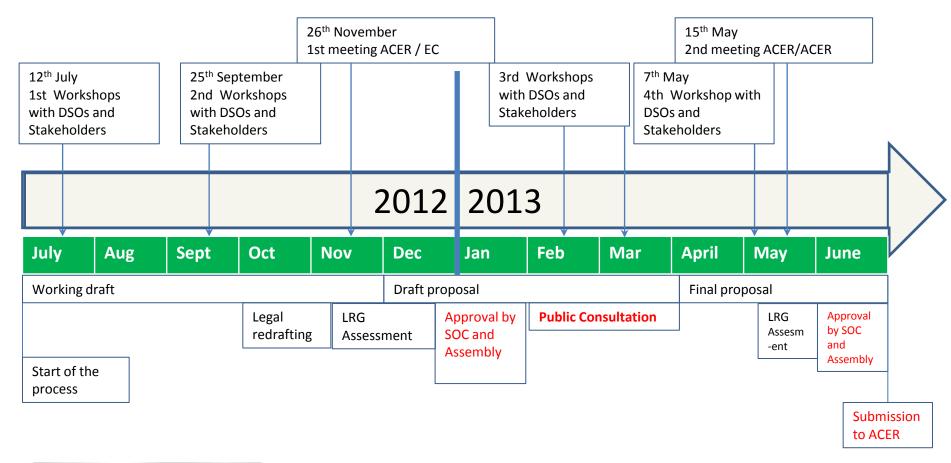


- Public consultation ended on the 2nd of April
- Stakeholder workshop held on the 12th of March
- Update draft NC based on results of public consultation
- Stakeholder workshop on 7th of May
- Compile final draft of NC
- Internal ENTSOE approvals
- Submission to ACER on the 28th of June







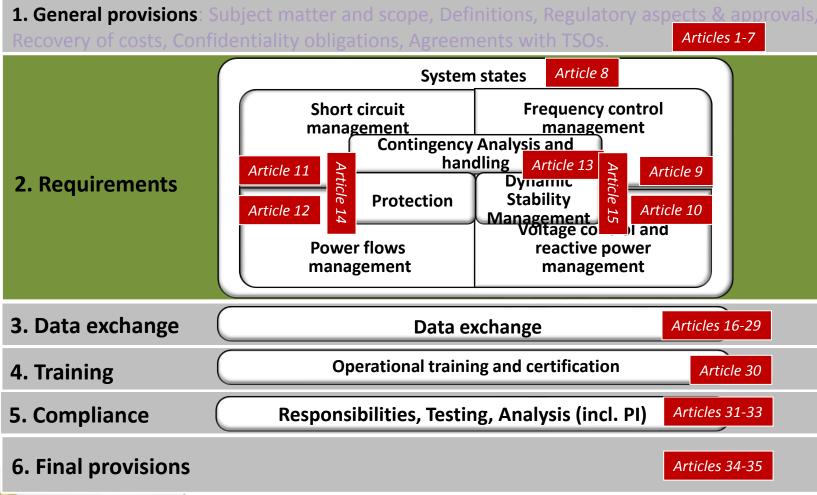




Operational Security













Operational Security





- Code was sent to ACER on the 28th February
- Meeting between EC, ACER and ENTSOE on the 22nd March
- ACER holding a public workshop on the code on the 9th of April
- Expect ACER opinion three months after submission







