Position paper
in favour of immediate harmonisation
of frequency parameters

EURELECTRIC input for the 4th GC ESC
Ljubljana 9th December 2016

Outline

1. Motivation of the initiative

2. List of parameters that should be equal or strongly coordinated

3. EURELECTRIC's proposal for dedicated ESC taskforce

1. Motivation of the initiative

- ENTSO-E has drafted the RfG NC "to set out clear and objective requirements for generators for network connection in order to contribute to:

  o **non-discrimination**, **effective competition**, and the efficient functioning of the **internal electricity market** and to ensure **system security** *

- Depending on parameters considered, the harmonisation is more or less urgent.

- In one given synchronous area, the **frequency** is permanently the same in all countries (in steady state).

The effort to control it must be shared <u>fairly</u>

* As mentioned in ENTSO-E 'NC RfG – Motivation and approach', Jan. 2012

2. List of parameters

- According to most French stakeholders' analysis*****, EURELECTRIC points out the most important parameters that should be '**equal**' or strongly '**coordinated**' between countries:

  - o **EQUAL**
    - ☑ Performances of measurement system
    - ☑ Insensitivity
    - ☑ Deadband
    - ☑ RoCoF withstand capability
  - o **COORDINATED** (depending on actual park of each country)
    - ☑ Droop
    - ☑ Authorised reduction of Pmax with falling frequency

* see *Position paper 'Setting Frequency-Related Parameters in Europe'*, by French stakeholders <u>with the support of EURELECTRIC</u>'

3. EURELECTRIC's proposal for ESC taskforce

- EURELECTRIC does not prejudge the values that will be recommended in different synchronous areas.

- EURELECTRIC wants to alert the GC ESC members on the risk of direct discrimination (with quite important economic consequences) if harmonisation is not achieved when RfG becomes applicable.

- To prevent this situation and help to achieve an important initial objective of RfG code, **Eurelectric proposes that a dedicated taskforce, on behalf of ESC, is created.**