Update on Expert Groups On-going and planned activities

ENTSO-E

8th Grid Connection European Stakeholder Committee Meeting

14 December 2017, Brussels

Public Workshops

 3rd Public Workshop on Freq. Stability Parameters – 4th Oct 2017



3nd Public Workshop on Freq. Stab. Parameters

- October 4th in Brussels Invitation sent
- 38 participants (present and web-connected)
 - 20 non-TSOs
- The workshop focused on:
 - Demand Response System Frequency Control (DR SFC)
 - Frequency ranges of automatic connection and gradient of active power increase
 - Auto reconnection after an incidental disconnection.
 - Admissible active power reduction at low frequencies.

Agenda and more information are announced here

Frequency stability parameters

On-going public consultation – Agenda item 6



8 IGDs prepared and submitted for consultation

- Frequency Sensitive Mode
 - RfG, Article 15(2)(d)
 - RfG, Article 15(2)(e)
- Limited Frequency Sensitive Mode
 - RfG Article 13(2)
 - RfG Article 15(2)(c)
- Demand Response System Frequency Control
 - DCC Article 29(2)
- Frequency Ranges
 - RfG Article 13 and Article 16(2)(a)
 - DCC Article 12
 - HVDC Article 11 and Article 39(2)(a)
- Maximum Admissible active power reduction at low frequencies
 - RfG Article 13(4) & (5)
- Automatic (re-)connection and rate of change of active power
 - RfG Articles 13(7) and 14(4)
- Rate-of-change-of-frequency withstand capability (RoCoF)
 - RfG Articles 13(1)(b) and 15(5)(b)(iii)
 - DCC Articles 28(2)(k) and 29(2)(g)
 - HVDC Articles 12 and 39(3)
- Need for synthetic inertia for frequency regulation
 - RfG Article 21(2)(a)
 - DCC Article 30(1)
 - HVDC Article 14(1)



Roadmap to completion

Synthesis of the initial context considered for the guidance (long term visions, input from stakeholders, ...)

09/03/2017 -1st Public workshop on frequency stability requirements

⇒ see next chart for details

Action plan for stakeholder involvement to be derived from workshop outcomes:

- Format of further interaction
- Scope and timing of delivery stakeholder opinions/input for providing guidance on implementation

ENTSO-E elaboration of guidance for ranges and values regarding frequency stability requirements impacting plant design and standard elaboration

04/10/2017 3rd Public Workshop on remaining frequency stability parameters

July 2017- ENTSO-E proposals and views for non-exhaustive parameters for frequency stability parameters to be available

July 2017- 2nd Public workshop on frequency stability requirements per synchronous area

ENTSO-E elaboration of a first set of guidance for operational values to be used during the operational notification procedure (e.g. default settings of parameters)

Finalisation of the relevant IGDs and internal evaluation

The week of 20th November – Kick off the public consultation of all relevant IGDs (duration: 1 month)

Jan 2018 - Publication of final versions of the IGDs on frequency stability requirements

Continuous update of analysis at synchronous area level to prepare for update of non-exhaustive requirements according to the NC amendment framework

Consultation close 21/12/2018

https://consultations.entsoe.eu/system-development/entso-e-connection-codes-implementation-guidance-d-4/consult view/



Search consultations

Consultation Hub Find Consultations



ENTSO-E Connection Codes Implementation Guidance Documents_Frequency Stability Parameters

Overview

Europe currently has three connection network codes: Requirements for generators (RfG), Demand Connection (DCC) and High Voltage Direct Current (HVDC). RfG has entered into force on 17 May 2016, the DCC on 18 August 2016 and the HVDC on 8 September 2016.

The Member States have the obligation to implement these codes no later than three years after their entry into force. Within this timeframe the Member states have 2 years to define the national specifications for the so-called non-

Closes 21 Dec 2017

Opened 20 Nov 2017

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Overview plan for next months

