



Draft Pilot FG for Electricity Grid Connection

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Contents

- Review
- Problem identification
- Framework Guidelines
- Next steps



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- 3 Expert Group meetings: 04 November 2009, 13 January 2010, 08 March 2010
 - Clarifications on Problem Identification and Objectives
 - Initial discussion on Policy Options
 - Public workshop on 16 April 2010
 - Largely positive and acknowledging feedback from stakeholders
 - Many useful and detailed inputs and comments from EC
- ➔ TO DO: Restructuring of the IIA and FG + amendments of the contents in line with the results of the workshop

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Problem Identification *(add-ons)*

- Different requirements in neighbouring systems
 - High manufacturers' costs
 - Uncoordinated response from generators
- Accuracy and binding character of rules
 - Adverse consequences in the national markets / control areas
- Absence of automatic system management features
 - Could assist in coordination of action, and might reduce balancing power requirements

- Lack of coordination and consistency provision of ancillary services
 - Balancing power requirements, high costs for TSOs
- Insufficient communication and information sharing
 - Preventing informed coordinated action (i.e. during reconnection procedures)
 - Increased risk of system disturbance and prolonged time for restoration
- Lack of consideration for some specific generation technologies
 - “Newer” technologies and their specifics are not sufficiently dealt with in existing rules and can thus endanger system security

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Based on updated Problem Definition & refined Objectives, the FG Draft structure and contents were finalized:

1. Standardised Minimum Requirements

- Minimum requirements for all grid users (g/c)
- Requirements for critical grid situations
- Testing, verification, monitoring & enforcement

2. Information Exchange (TSOs/DSOs/grid users)

- General information exchange requirements
- Real time information sharing

Connection Regimes for*

3. Large Scale Intermittent Generation

- Set up of first common rules ever
- Growing importance
- Growing impact of on system operation and security

4. Distributed Generation

- Only where affecting transmission (not directly connected)

5. Demand Response

- Remove paucity of requirements for providing easier possibility for demand response to contribute to system operation activities

* *Addressing specific requirements for these areas*

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Next steps

- Pilot Project serves as a “learning template” for other FG projects therefore we have to put more effort in detailed establishment of the documents
- It is essential also that structure and content are aligned with stakeholders’ and EC expectations
 - ➔ IIA and FG Draft now well-founded and coherent in technical and organisational view
 - ➔ Since suggestions for adaptations were raised bit by bit timetable needs adjustment

- Timeplan update
 - Approval of revised IIA & Draft FG in June 2010
 - Public consultation July – September
 - Evaluation & final revision October – November
- Summary Report with “Lessons learned” for the use in other projects and by ACER



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