



## 2011 Activity Report

### Study Committee C5

#### 1. Highlights

- a) Market Disturbance Workshop in Sydney. Very successful with about 70 participants. New event in Paris August 2012 with broader announcement.
- b) Actively participated to the organization of the Symposium in Bologna, Sept 2011
- c) Progress on reports, several TB completed and WG dissolved.
- d) The SC C5 increased focus of not making the scopes too broad. New WGs will have a well-defined scope and timeline.
- e) The preferential subjects of 2012 are focused, a bit provocative with some self-examination. Will hopefully contribute to good discussion in Paris 2012.
- f) Several new WG under development

#### 2. Working group changes since the last TC meeting :

- a. New WG
  - i. WG C5.12: Generator Market Power Mitigation Measures in Electricity Markets (In TC approval process)
  - ii. WG C5.13: Interaction of Markets and Regulation Actions with Emerging Technologies (In TC approval process)
- b. WG Disbanded
  - i. W5.3 Investment in Financing (TB, Summary for Electra submitted to CO)
- c. Allocation of WG to the 4 TC strategic directions (template in the appendix)

<b>WG</b>	<b><i>Title of the WG</i></b>	<b><i>Strategic Directions*</i></b>	<b><i>TI</i></b>
C5-7	Market design - Structure and design of electricity markets	1, 2	5
C5-9	Retail Market Competition – Customer Switching, Metering and Load profiles	1	2, 5
C5-10	Establishment of Effective and Sustainable Regulatory Incentives for Capital Investments in Electricity Networks and Generation	1, 2, 3	7
C5-11	Market design for large scale integration of renewable energy sources and demand side management	1, 3	7
C2/C5-02	Development and Changes in the Business of System Operators	1, 2	5
C5.12	Generator Market Power Mitigation Measures in Electricity Markets	1	5
C5.13	Interaction of Markets and Regulation Actions with Emerging Technologies	1	5

\* Strategic Directions : indicate the main strategic direction, or the two main directions if needed

- 1 : The future power system
- 2 : Best use of the existing power system
- 3 : Environment and sustainability
- 4 : Communication with the public and with political decision makers



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### 3. Publications

- a. Publications since the last TC meeting (April 2011)
  - i. JWG C2/C5-05: “Interfaces between System Operators and Regulators” (Technical Brochure 474 + Summary in Electra)
  - ii. WG C5-3: Funding Generation and Transmission Investments (Technical Brochure and Electra submitted to CO)
  - iii. WG C5-7: Case studies of Market Adequacy Designs (Technical Brochure and Electra summary submitted to CO)
  - iv. WG C5.7: Wholesale/Retail Electricity Market Interdependencies (Electra paper submitted to CO)
  - v. Market Disturbance Workshop of SC C5 – Electricity Markets and Regulation (Electra June 2012)
  
- b. Publication plan for the coming year
  - i. WG C5-10 Establishment of Effective and Sustainable Regulatory Incentives for Capital Investments in Electricity Networks and Generation (Completed, Submitted to C5 members for approval, Technical Brochure + Presentation at colloquium Sydney 2011, Nov 2011)
  - ii. WG C5-7: Energy Market Coordination – Balancing Electricity Markets with Gas Markets ( Technical Brochure 2012)
  - iii. WG C5-11: Market design for large scale integration of renewable energy sources and demand side management (Technical Brochure 2012, Presentation at C5 Colloquium, Sidney, Nov 2011)
  - iv. WG C5-09 Retail Market Competition – Customer Switching, Metering and Load profiles (Technical Brochure 2012, Summary Electra, Presentation at Colloquium Sydney, Nov 2011)
  - v. WG C2/C5-05: Interaction between principles of transfer capacity calculation and market activity for enhanced system utilization – from a system operation perspective (Technical Brochure 2012)
  - vi. JWG C2/C5-05: Interfaces and co-operation between System Operators and Power Exchanges”. (Technical Brochure 2013)

### 4. Tutorials and workshops in 2011

- a. Market Disturbance Workshop in Sydney November 2011.

### 5. Strategic Plan and Action Plan : status (to be reviewed, updated, re-written or still valid)

- a. Strategic plan (2009 – 2018) updated (made more focused)
- b. Action plan (2009 – 2013) updated
- c. Both plans are under review at C5 meetings, The Strategic Advisory group asked to further develop the strategic plan.

### 6. Planned SC meetings (in 2011 and next)

- a. November 2011: C5 Annual Meeting, Sidney, Australia
- b. August 2012: General Meeting in Paris, France



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- c. November 2013: C5 Annual Meeting in South Africa

### 7. Participation to Regional Meetings, colloquia and symposia :

- a. In 2011 (passed)
  - i. C5 colloquia in Sydney November 2011: Drivers for Regulatory and Market Design Changes, Including the Market Disturbance Workshop”
  - ii. The electric power system of the future - Integrating supergrids and microgrids, International Symposium Bologna (Italy); September 2011
- b. In 2011 and beyond (scheduled)
  - i. Colloquium/regional meeting in South-Africa, 2013

### 8. Relations with other organisations

- a. Many of the C5 members are closely involved in other organizations as ENTSO-E, IEEE, UCTE, NERC, IEA and collect information from these
- b. Few of the members within C5 have so far come from the regulators despite the fact that Regulation is one of C5’s major responsibilities.

### 9. Measure to improve quality of SC documents

- a. Submitted to all SC members with clear expectation to check quality and give feedback
- b. Read/checked by native English speaking person

### 10. SC website : on-line contents and date of last update

- a. Updated regularly but needs a complete review after the transition to new platform as some erroneous information identified
- b. Maintenance is being done by the C5 Secretary, the C5 Chairman and by others as needed
- c. Last update January 2012

### 11. Communication Officer

Topic on the last meeting – work is in progress.

### 12. Miscellaneous

- a. Strong interest in:
  - i. Market incentives for renewable resources
  - ii. Interactions of different markets
  - iii. Regulatory effects on markets