



ENARD:- IEA Implementing Agreement on Electricity Networks Analysis, Research and Development

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Message from the Chair - Philip Baker, UK Department of Trade and Industry

ENARD represents a major new international collaborative work programme, organised under the auspices of the International Energy Agency's (IEA's) framework of Implementing Agreements. ENARD provides an international forum for information exchange, research, analysis and collaborative research and development across a range of electricity transmission and distribution (T&D) network issues.

We have worked hard over the past 18 months to develop ENARD in close consultation with a wide range of key stakeholders, in order to address some of the very real challenges and opportunities associated with network renewal, renewables integration and network resilience. We now look forward to the delivery of the first phase of ENARD's activities, via the initiation of the Annex I work programme.



Aim and Objectives

It is intended that ENARD will develop such as to provide authoritative, comprehensive and unbiased international information, data and advice to its four key stakeholder communities, namely:-

- Governments
- policy makers
- power utilities
- power engineering equipment suppliers

Specific objectives for the year ahead include the collation and exchange of information and data in relation to current and anticipated electricity T&D developments within the participating countries and associated programme activities, complemented by the organisation and delivery of a series of topical experts' meetings and workshops, each addressing particular areas of interest.

It is intended that such activities will act as the foundation for the development of future collaborative research and development (R&D) activities, to be further developed and initiated as ENARD progresses.

Inaugural Executive Committee Meeting held in Milan, Italy, September 2006.

ENARD is overseen by a senior level Executive Committee (ExCo), comprising national representatives from each of its participating countries. Following on from earlier informal meetings, the ENARD ExCo met for the first time at CESI Ricerca, Milan, 29th September, where it addressed a range of issues, including the election of its Chair, Philip Baker, from the UK Department of Trade and Industry (DTI), and the selection and appointment of EA Technology as the Annex I Operating Agent and ENARD Secretariat.



This inaugural ExCo meeting was preceded by the ENARD's first full experts' meeting, on 28th September, where national experts' addressed a range of distributions systems and end user issues.

Participating Countries

As we go to press, eight countries (as indicated below) have already signed up to participate in ENARD and with further countries expected to join in the near future. We therefore look forward to expanding our participation base and in welcoming these new member countries to ENARD.



Belgium



Denmark



Finland



Italy



Norway



Sweden



Switzerland



UK



Annex I – Information Collation and Dissemination

Annex I was initiated at Milan as ENARD's first operational project (or Annex) and will play a central role in the collation and dissemination of information, throughout the course of the Implementing Agreement. Specifically, it will also serve as the definition Annex, as a pre-cursor to follow-on (R&D) Annexes, which are expected to be developed via a process of dialogue and information exchange, over the 12 months ahead.

Annex I will be essentially led by a series of experts' meetings and workshops, supported by underlying information collation and dissemination activities.

EA Technology Appointed as Annex I Operating Agent

The Milan ExCo meeting also reached agreement on the selection and appointment of EA Technology as the ENARD Annex I Operating Agent. EA Technology will also service the requirements of the ExCo, via its discharge of the ENARD Secretariat function.

John Baker, Principal Consultant, EA Technology, who will lead the Annex I Operating Agency said: "We have been pleased to work closely with the Interim ExCo and a wide cross-section of associated interest groups in the development of ENARD. We now very much look forward to discharging the first phase of ENARD's work programme and working with the ExCo and their various national experts, to further develop ENARD in relation to the very real challenges associated with the development and operation of T&D power systems".



Experts' Meetings and Workshops

Following on from ENARD's first full experts' meeting in Milan, which addressed a range of distributions systems and end user issues, further experts' meetings and workshops are planned in the 12 months ahead, including:

- Integration of Distributed Energy Sources and New Business Models: Vienna, Austria, March 2007
- Transmission Systems Issues, Trondheim, Norway, June 2007
- Economic and Regulatory Issues, Belgium date to be confirmed

ENARD Web-Site

A dedicated ENARD web-site is to be developed in the near future. Watch this space for further details!

ENARD Secretariat

Further information on ENARD, including participation in the Implementing Agreement, may be obtained from:



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