



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

ENARD

ENARD represents a major new IEA Implementing Agreement, developed on a collaborative basis in conjunction with a wide range of interested parties and stakeholders. ENARD's vision is to facilitate the uptake of new operating procedures, architectures, methodologies and technologies in electricity transmission and distribution (T&D) networks, such as to enhance their overall performance in relation to the developing challenges of network renewal, renewables integration and network resilience. It is intended that ENARD will provide a major international forum for information exchange, in-depth research, analysis and collaborative research and development (R&D).

The IEA

The International Energy Agency (IEA) acts as an energy policy advisor for the governments of its 26 member countries and beyond, to promote reliable, affordable and clean energy for the world's consumers. It was established in November 1974 within the framework of the Organisation for Economic Co-operation and Development (OECD). Energy efficiency, climate protection, energy technology collaboration and sharing its accumulated energy policy experience with the rest of the world have become core Agency objectives. It provides an appropriate forum for international collaboration in relation to energy technologies and systems, via its framework of Implementing Agreements. ENARD has been established as a new Implementing Agreement within the IEA framework, specifically to address the subject of electricity networks at the integrated system level.

Membership and Participation

Participation within ENARD is on a national basis, with individual countries usually being represented on the ENARD Executive Committee (ExCo) by their appropriate government departments.

Work Programme

ENARD's work programme activities are performed via a small series of operational Annexes. As a new Implementing Agreement, ENARD presently has just

one operational Annex (Annex I), although with active consideration in relation to the development of selected follow-on Annexes, including those in relation to the performance of specific R&D activities.

Annex I (Information Collation and Dissemination)

Annex I serves as the central information collation Annex for the Implementing Agreement as a whole and has two central facets, namely:-

- it is principally led by the organisation and delivery of a series of topical experts' meetings and workshops, which aim to draw out key issues of common interest and which may be further addressed, within the context of the Implementing Agreement as a whole;
- the experts' meetings and workshops are co-ordinated by an underlying programme of information and data collation, which aims to provide the requisite background material, to shape the context of the future development of the work programme.

Responsibility for the delivery of the Annex I work programme is vested in the Annex I Operating Agent (EA Technology), who works in close collaboration with individual National Co-ordinators, in each of the participating countries.





Opportunities

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

- electricity T&D companies
- power engineering equipment suppliers
- Governments
- policy makers

Specific objectives 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 R&D activities, to be further developed and initiated as ENARD progresses.



Benefits

ENARD provides its participants and stakeholders with a number of benefits, including:-

- highly timely and cost effective access on an international collaborative basis to detailed and in-depth knowledge in relation to electricity network T&D issues and developments;
- opportunities to participate in peer group information exchange forums;
- the provision of authoritative unbiased information and advice to Governmental officials, policy makers and key industry stakeholders;
- the identification and analysis of a range of key T&D issues and the consequential formulation of solution mechanisms and collaborative R&D activities;
- the complementary in-depth analysis of a range of associated strategic, economic and regulatory issues.

For further information:-

- visit the ENARD web-site at www.iea-enard.org

or

- contact the ENARD Secretariat:

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