



ETIP “SMART ENERGY NETWORKS FOR THE ENERGY TRANSITION”: Joint Industry Input for 3rd Governing Board Meeting

Brussels, 13 September 2016

In view of the next ETIP-SNET Governance Board meeting on 16 September 2016, the undersigning organisations would like to provide the following joint comments and suggestions:

We generally welcome the creation of the new European Technology and Innovation Platform “Smart Networks for the Energy Transition” and appreciate its holistic, integrated systems view on this transition and the new market design to come. We are convinced that Europe can successfully manage its future energy system with ever more renewables, more flexibility at all levels and empowered consumers and at the same time become the leading supplier of know-how and technologies required for such a transformation.

To be smooth, reliable and resilient, this energy transition requires a strong interplay between different stakeholders, in particular technology manufacturers and power system operators. Therefore, we thank the Commission for the inclusive composition of the new Governing Board that now involves technology manufacturers throughout the entire energy system.

We however kindly call on the Commission to also appropriately reflect this agreed composition of the Governing Board in the ongoing setup of the Executive Committee and future Working Groups. For this to be achieved in practice, the undersigning organisations propose:

- to complement the current chairmanship of ETIP-SNET with a third Vice Chair speaking for European technology manufacturers as represented in the Governing Board.
- to set up Working Groups that remain technology oriented in terms of needs, capabilities, research and innovation priorities so that the new market design can be implemented without delay in practice. We jointly propose the following permanent Working Group themes and candidate chairpersons:

Joint industry proposal for Working Group Themes and Candidate Chairpersons

1. Proposal for a Permanent Working Group “EMERGING TECHNOLOGIES”

Suggested main focus:

- Analyse technologies which are either evolving within the industry, have been applied in other regions of the world for power systems or are being used in other industries (such as telecommunications) but may help in solving future tasks in the European power system
- Apply an integrated, holistic energy system approach for this analysis and thereby complement the partial approach of most of the working groups in the previous ETP SmartGrids, which mainly addressed one part or one particular aspect of the power system “only”.
- The starting point should be technology (rather than application) in order to support a creative tension with other, more application oriented groups and thereby increase the probability of new ideas and questions.

Suggested chairperson: Rodolphe de Beaufort, GE

2. Proposal for a Permanent Working Group “CYBERSECURITY”

Suggested main focus:

- Analyse, address and make recommendations regarding needs, technology capabilities and innovation to ensure cybersecurity in ever more distributed and digitised energy systems
- Address the technical and organisational issues related to cybersecurity and thereby go beyond today’s main focus of the issue on standardisation aspects

Suggested chairperson: Volker Distelrath, Siemens

Suggested vice-chair: Adam Gauci, Schneider Electric

3. Proposal for a Permanent Working Group “SUPPLY SIDE FLEXIBILITY OPTIONS IN THE POWER SYSTEM”

Suggested main focus:

- Identify flexibility options throughout the energy system, including distributed and central energy resources, that support the new market design and work out recommendations for their concrete implementation
- Particularly address:
 - Flexible generation
 - Flexible backup
 - Energy management for industrial and non-residential, commercial demand response
 - System services: Development of ancillary services capabilities (synthetic inertia, islanding operation, black start)

Suggested chairperson: Michael Ladwig, GE

Suggested vice-chair: Alain Glatigny, Schneider Electric

4. Proposal for a Permanent Working Group “CONSUMER SIDE FLEXIBILITY”

Suggested main focus:

- To provide concrete recommendations regarding energy management and demand response for residential consumers
- To include flexibility options stemming from self-generation, storage and (self-) consumption
- Smart metering

- Particularly address aggregation of flexibility (link to suggested Working Group on “Supply Side Flexibility Options in the Power System”)
Suggested chairperson: Maher Chebbo, SAP
Suggested vice-chair: Willem Strabbing, ESMIG

This list should not be regarded as exhaustive, but as a proposal for a manageable structure covering the topics of importance for the signing organisations. Should other stakeholders see the need for further, additional Working Groups, the undersigning organisations are open for discussion.

We thank the Commission in advance for taking these comments and suggestions into account and remain available for further information. We look forward to the next steps of ETIP-SNET and remain particularly committed to work constructively and result oriented in its Governing Board, Executive Committee and future Working Groups.

ORGALIME, the European Engineering Industries Association, speaks for 41 trade federations representing companies in the mechanical, electrical, electronic, metalworking & metal articles industries of 24 European countries. The industry employs some 10.9 million people in the EU and in 2015 accounted for more than €1,900 billion of annual output. The industry accounts for over a quarter of manufacturing output and a third of the manufactured exports of the European Union.

T&D Europe, the first European Association of the Electricity Transmission and Distribution Equipment and Services Industry, aims to promote the common technical, industrial economic, environmental and political interests of the European electricity transmission and distribution manufacturing, and product derives solutions industry. It represents all relevant European national associations. The companies represented by T&D Europe account for a production worth over € 25 billion, and employ over 200.000 people in Europe. T&D Europe is a driver for advanced solutions and technologies in the field of electricity networks, encouraging an energy-and cost-efficient as well as an environmentally friendly infrastructure.

ESMIG is the European voice of smart energy solution providers. Our members provide products, information technology and services solutions for Electricity, Gas, Water or Heat metering, data transfer and security, display and/or management of energy consumption and generation at consumer premises. We advocate for a regulatory framework that accelerates the introduction of our members’ innovative products and services, which are fundamental to the smart energy and water systems of Europe’s future. We actively contribute to the creation of a competitive internal energy market by development of architectures and open standards that allow efficient implementation and integration of new energy management technologies and services.

EUTurbines is the European association of gas and steam turbines manufacturers employing more than 70,000 people across Europe with a turnover of around 25 billion Euros. Our members are Ansaldo Energia, Doosan Skoda Power, GE Power, MAN Diesel and Turbo, Siemens and Solar Turbines.

EUGINE is the centre of knowledge for engine power plant technology. It represents companies which are all manufacturing in Europe the same technologies: highly energy-efficient and flexible engine power plants and their key components (internal combustion engines, alternators). Its member companies are ABB, Bosch, Caterpillar, Cummins, EC Power, Edina, GE, Liebherr, MAN, Marelli Motori, Rolls-Royce Power Systems and Wärtsilä.

EUROPACABLE is the voice of Europe's leading wire and cable producers. Members include the largest cable makers in the world providing global technology leadership, as well as highly specialized small- and medium sized businesses from across Europe. Globally, Europacable members employ over 70.000 people of which more than 50% in Europe generating a turnover over € 20 billion in 2014. The product scope of Europacable members covers the full range of energy and communication cables. Europacable is listed in the European Commission's transparency register under [453103789-92](#).

EPPSA - The European Power Plant Suppliers Association - is the voice, at European level, of companies supplying power plants, their components and related services. EPPSA members, located throughout Europe, represent a leading sector of technology with more than 100 000 highly-skilled employees. Virtually all thermal power plants in the EU are built by members of EPPSA or equipped with their components, and provide around 50% of Europe's electricity. EPPSA members provide the most advanced thermal power technologies in the world. www.eppsa.eu