

EUROPEAN COMMISSION  
DIRECTORATE-GENERAL FOR  
ENERGY AND TRANSPORT  
DIRECTORATE B - Security of  
supply and energy markets  
Task Force Smart Grids  
Steering Committee meeting  
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# **Some Consumers' interests in Smart Grids and Smart Meters**



## **1. Islanding in Smart Grids to assure consumers' electricity supply**

When a grid is overloaded or multiple failures like short circuits occur, it is customary to disconnect some receivers to create islands with functioning electrical power supply.

When planning islanding for emergency situations in smart grids, the highest priority should be given to rescue the consumers in the residential areas so that families, hospitals and other social service institutions can continue to function without interruption

## **2. Smart Meters usage to reduce consumers' expenditures and save the environment**

In many households smart meters are installed at the owners' expenditure.

To take advantage of the smart meter, not only the present tariff should be presented but also the expected kW/h price in the coming hours.

This way the consumer is able to plan the usage of some household appliances and eventually delay the start of some activities e.g. to start the washing machine. The consumer is saving money and simultaneously protects the environment. The daily electricity production's peaks are evened and the environment is less strained

# Overview of ANEC

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- **Established in 1995**
- Co-funded by the European Commission and EFTA
- Represents national **consumer** organisations in all 27 EU Member States and 3 EFTA countries
- Involved in more than 80 technical and political bodies of CEN, CENELEC and ETSI; and in ISO
- Established ad-hoc group of members' representatives to elaborate **consumers' views on smart grids and smart meters**

# ***Aims and Objectives***

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**Represent consumer interest in standardisation and certification; and influence legislation related to standardisation by:**

- Ensuring a high level of protection
  - Counterbalancing the industry view
  - Promoting accessibility and 'Design for All'
  - Ensuring public interest representation
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# ***Requirements for consumers***

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- Protect consumers against risks from new functionalities
- Protect consumers from risks related to control of data
- Help consumers realise benefits
- Meet the specific requirements of consumers in vulnerable circumstances