Task Force Smart Grids.
Debate on market models –
State of play

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Smart Grids: Tapping synergies between DSOs and ICT
Brussels, 6 November 2013
European Smart Grids Task Force

High Level Steering Committee

European Commission

9 DGs

27+ associations representing all stakeholders

Regulators ICT&Energy

TSOs

DSOs

Consumers

Technology Supply

Ad-hoc expert working groups

350+ experts from national regulatory agencies and industrial market actors
SG Task Force - Plan of Work for 2012/13

http://ec.europa.eu/energy/gas_electricity/smartgrids/taskforce_en.htm

- Standards and interoperability
  - Validation the M/490 Work Plan
  - Monitoring work and deliverables
  - Ensure coordination within and other Mandates

- Privacy, Data Protection and Cyber-security
  - Develop a proposal for Privacy and Data Protection Impact Assessment Framework Template
  - Develop a cyber-security assessment framework

- Regulation
  - Define a few reference market models
  - Examine the potential implications for the regulatory frameworks

- Infrastructure
  - Establish a process for identifying projects of common interest

- Industrial Policy
  - Organising structure, work plan and procedures
EG3: three possible Data Processing models

Case I: DSO as Market Facilitator

Case II: Third Party Market Facilitator (Independent Central Hub)

Case III: Data Access Point Manager (DAM)

one size does not fit all
Case I: DSO as market facilitator
Case II: Third Party Market Facilitator (Independent Central Hub)
Case III: Data Access Point Manager (DAM)
Roll out of smart electricity metering by 2020

- 20 CBA, 16+ MS rolling out
- 75% EU consumers
- 198 million meters
- € 35 billion
Market models for the roll-out (electricity)

<table>
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<tr>
<th>MS rolling out smart meters</th>
<th>Deployment Strategy</th>
<th>Responsible party for access to metering data</th>
<th>Responsible party for roll-out and ownership</th>
<th>Metering Market</th>
<th>Financing of roll-out</th>
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<tbody>
<tr>
<td>Austria Finland France Greece Ireland Luxembourg Romania Spain</td>
<td>Mandatory</td>
<td>DSO</td>
<td>DSO (Multi-annual concession in France)</td>
<td>Regulated</td>
<td>Network tariffs (rental in Spain; DSO in Denmark, Italy and Sweden)</td>
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<td>Italy Denmark</td>
<td>Mandatory + Voluntary</td>
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Financing of roll-out:
- Supplier
- Competitive
- Private funds

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Basic Advanced Metering Infrastructure

- Metering Management
- Energy Management
- District Gateway
- Metering Gateway
- Energy Management Gateway
- Meters
- Home Automation