PANEL SESSION – STANDARDIZATION INITIATIVES

RUDI SCHUBERT, IEEE STANDARDS ASSOCIATION, MODERATOR
ERIC LAMBERT, EDF - R&D, CEN-CENELEC-ETSI
BAS DE VRIND, ALLIANDER
KALLE KUKK, ELERING, EU-SYSFLEX PROJECT
GERRIT FOKKEMA, EDSN, EBIX
VALERIE REIF, FLORENCE SCHOOL OF REGULATION
Development of Energy Data Sharing Scheme in the Netherlands

Pilots and experiments
• Co-creation: DSO's and market parties
• Customer (consumer / business) in control
• Identification, authentication and relationship with end-point
• Easy customer journey
• Consent at the source

• Cross sectoral data sharing with financial sector

Development 'all-parties' energy data sharing scheme
• Involvement of wide range of stakeholders
• Customer in control and equal level playing field
• Ongoing joint development of nine building blocks (standard agreements), like;
  • Governance
  • Data exchange protocols
  • Identification, authentication and authorisation
  • Consent
  • Cost model

Lessons learned
### System Use Cases

<table>
<thead>
<tr>
<th>Use Case</th>
<th>Requirement</th>
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<tbody>
<tr>
<td>Manage access permissions</td>
<td>Ability to share access permissions between data owners, concerned DEPs, applications and data sources</td>
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<tr>
<td>Erase, restrict and rectify</td>
<td>Ability to share information related to erasure of personal data between personal data data owners, concerned DEPs, applications and data sources</td>
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<td>data users</td>
<td>Ability to share authentication information between data users, Customer Portal and Authentication Service Provider</td>
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<tr>
<td>Manage data logs</td>
<td>Ability to share information related to data logs between data owners, concerned DEPs, applications and data sources</td>
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<td>Collect energy data</td>
<td>Data portability (applies to personal data - Article 20 of the GDPR)</td>
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<tr>
<td>Transfer energy data</td>
<td>Data owner’s access to data through DEP (and foreign DEP)</td>
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<td></td>
<td>Application’s access to data through DEP (and foreign DEP)</td>
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<tr>
<td>Anonymize energy data</td>
<td>DEP ability to forward anonymized data from data source to data user</td>
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<tr>
<td>Aggregate energy data</td>
<td>DEP ability to forward aggregated data from data source to data user</td>
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### Business Objects

- **Authenticate Information**
- **Authorization information**
- **Customer Consent**
- **Data log request**
- **Data log**
- **Metering Data, incl. Sub-Meter Data**
- **Market Data (e.g. Flexibility Bid)**
- **Authenticate Information**
- **Authenticate Information**
ebIX® is an association of (organisations from) 11 countries in the European energy market, that models and harmonises downstream market processes;

ebIX® models Business Requirements Specifications (BRS) and Business Information Models for processes in the downstream energy market that need information exchange in a harmonised way and allowing for local adjustments (see www.ebIX.org);

ebIX® has made a BRS for Administration of Consent;

Identifying a Customer is not a problem and not market specific;

Authorisation of Market Parties and Customers is well doable and not market specific;

Linking the rightful Customer to the Accounting Point is still a market specific challenge;

Tools like eIDAS may be useful for conversion of Customer-ID’s between countries and should not be used for market-entities that already have been assigned unique ID’s.
Standardization of private data in energy markets: What role for public policy?

• Objective: decarbonized, integrated, flexible and interoperable energy system with competitive markets and customer empowerment

• Will the industry develop adequate standards and/or harmonized processes for using existing standards that support interoperability in a sufficiently short time frame and efficient way?

• If not, public policy has a clear role to foster the emergence of interoperability standards and related processes for their implementation, while considering the multi-layer and cross-services/-domain/-border nature of interoperability

• In doing so, governments/public authorities should leave the energy silo and increasingly adopt a cross-sectoral perspective