THE LINK BETWEEN ECODESIGN AND STANDARDIZATION
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MATTHIAS MEIER CONSULTING

• Business Development for SMEs
• International Standardisation
  • International Electrotechnical Commission IEC
  • European Committee for Electrotechnical Standardization CENELEC
  • European Committee for Standardization CEN
PUBLIC POLICY SHOULD BE BUILT ON FIRM FOUNDATIONS. OBJECTIVE ANALYSIS, VERIFIABLE FACTS AND SOLID SCIENCE ARE GOOD STARTING POINTS, BUT THAT WAS ABSENT IN BIOFUELS POLICY-MAKING.

Dick Roche, Ireland’s former Minister of State for European Affairs
ECODESIGN
ECODESIGN IMPLEMENTATION

• Ecodesign Regulations
• Energy Labelling Regulations
• Energy Star Scheme
• Voluntary Agreements
STANDARDISATION
STRUCTURE OF STANDARDISATION WORK

• European Standards Committees CEN, CENLEC, ETSI
• National Standards Committees
• Weighted Voting in CEN and CENELEC
STANDARDISATION PROCESS

• Mandate to develop harmonised standards
• Acceptance of the mandate
• Drafting
• Enquiry – Public comment at national level & weighted vote
• Review by an Expert Consultant
• Adoption by weighted Formal Vote
• Publication of the EN
Acceptance of mandate: 1/1/2016
Start Enquiry: 16/12/2016
End Enquiry: 15/3/2017
Publication: 1/4/2018

- Drafting: 8 mons
- Preparation of Enquiry: 3.5 mons
- Enquiry: 2.98 mons
- Consideration of Comments: 0.5 mons
- Preparation of Final Vote: 8.02 mons
- Final Vote: 2 mons
- Finalisation: 2 mons
DRAFTING A STANDARD

• Easy to read and easy to use
• Performance requirements – no design specifications
• Objectively verifiable requirements
• To be applied without change as a national standard
STANDARDISATION SPECIFICS FOR
HEAT PUMPS AND AIR CONDITIONING
CEN/TC 113

• Scope: Heat pumps and air conditioning units

• Working Groups
  • CEN/TC 113/WG 06 "Refrigerant compressors – Presentation of performance data"
  • CEN/TC 113/WG 07 "Heat Pumps, air conditioners and chilling liquid packages – testing and rating at part load conditions"
  • CEN/TC 113/WG 08 "Rating and testing for performance"
  • CEN/TC 113/WG 09 "Sound rating of heat pumps, air conditioners and liquid chilling packages"
  • CEN/TC 113/WG 10 "Heat pumps for domestic hot water production and revision of EN 16147"
  • CEN/TC 113/WG 11 "Direct expansion–to–water units"
  • CEN/TC 113/WG 14 "Revision of EN 1397"
CEN/TC113/WG07 – MEMBERS

- Individual experts
- Stakeholder category
  - Industry and commerce
  - Standards application
  - Government
  - Environmental stakeholders
  - Societal consumer groups
Air conditioners, heat pumps and liquid chilling packages, including comfort and process chillers, factory made units, direct exchange-to-water(brine) heat pumps

Temperatures and part load conditions

Calculation methods for seasonal energy efficiency SEER and SEER$_{on}$, seasonal space cooling energy efficiency $\eta_{s,c}$, seasonal space heating energy efficiency $\eta_{s,h}$

Calculation methods for seasonal coefficient of performance SCOP, SCOP$_{on}$ and SCOP$_{net}$, and seasonal energy performance ratio SEPR
CEN/TC113/WG07 – EU REGULATIONS

- 206/2012: air conditioners and comfort fans
- 811/2013 and 813/2013: space heaters and combination heaters
- 2015/1095: professional refrigerated storage cabinets, blast cabinets, condensing units and process chillers
- tbd: air heating products, cooling products, high temperature process chillers and fan coil units
• Mean temperature approach
• Compensation method
• Align amendments with review cycles for ErP
GET INVOLVED
HOW TO PARTICIPATE

• EPEE as a liaison partner

• EPEE members as experts via national committee
<table>
<thead>
<tr>
<th>Country</th>
<th>Organization</th>
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<tbody>
<tr>
<td>Austria</td>
<td>Austrian Standards Institute</td>
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<tr>
<td>Belgium</td>
<td>Bureau de Normalisation/Bureau voor Normalisatie</td>
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<tr>
<td>Bulgaria</td>
<td>Bulgarian Institute for Standardization</td>
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<td>Cyprus Organization for Standardisation</td>
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<td>Czech Office for Standards, Metrology and Testing</td>
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<tr>
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<td>Dansk Standard</td>
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<td>Estonian Centre for Standardisation</td>
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<td>Finland</td>
<td>Suomen Standardisoimislitto r.y.</td>
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<td>Former Yugoslav Republic of Macedonia</td>
<td>Standardization Institute of the Republic of Macedonia</td>
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GET INVOLVED

• Consensus Process
• Technical Expertise
• Good Engineering Practice
• Sound Science
• Verifiable Facts
• Technical Data
THANK YOU