

CEN-CENELEC information to Euramet 2011 General Assembly

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Content of the presentation



- *The European Standardization Organizations*
- *Integrating standardization, innovation and research*
- *Smart Grid Standardization in CEN, CENELEC and ETSI*



- *European Committee for Standardization*
- *All sectors except electrotechnical and Telecommunications*
 - *construction, environment, food, healthcare, machinery safety, nanotechnologies, services, etc*
- *31 National members: national standards organizations of EU, EFTA and Croatia*
- *At the international level: ISO*
- *Main products: EN, TS, TR, CWA*



- *European Committee for Electrotechnical Standardization*
- *Example technology areas:*
 - *Electric vehicles, smart metering, smart grids, household appliances, electromagnetic compatibility, etc*
- *31 National members: national committees of EU, EFTA and Croatia*
- *At the international level: IEC*
- *Main products: EN, HD, TS, TR, CWA*

ETSI



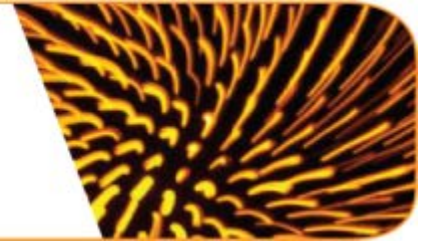
- *European Telecommunication Standards Institute*
- *Direct company membership: 700 members including from outside Europe*

CCMC



- *Since 1 January 2010, CEN and CENELEC are supported by a single secretariat: the CEN-CENELEC Management Centre (CCMC)*
- *But both organizations continue to exist as separate organizations*
- *Inside CCMC, the Innovation Department*
 - *Director John Ketchell*
 - *Plus 6 staff members*
 - *Dedicated Research and Innovation Unit from 15/6*

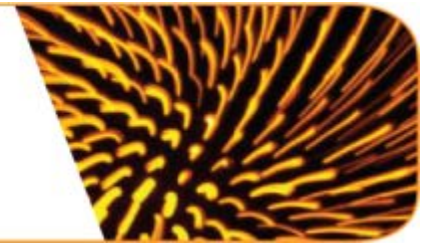
Integrating Research and Innovation with Standardization



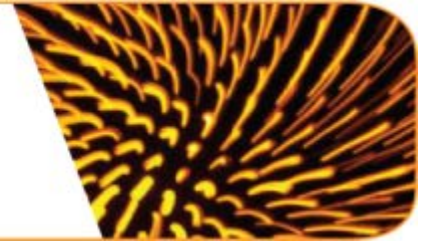
- *Since 2009:
STAIR working group;
promotion of an
integrated approach
between STAndardization,
Innovation and Research*



Integrated approach: at various stages

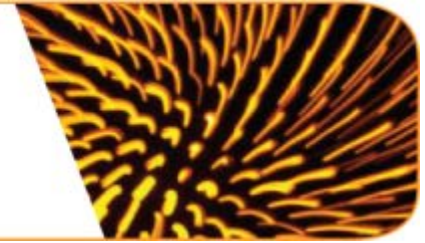


Other STAIR Developments



- *Project liaisons: this enables European projects to get involved in the activity of a relevant Technical Committee as a liaison partner*
- *Policy for participating in RTD projects: CEN and CENELEC have agreed on a project participation policy*
- *STAIR platform: Intends to be the meeting place of the research and standardization communities in identified domains; in the process of being established; primarily by virtual means*

JWG Smart Grid



- *Joint Working Group on standards for Smart Grids*
 - established May 2010
 - Reporting to the CEN, CENELEC and ETSI Joint Presidents Group
- *Participation of approx. 40-50 organizations*
 - representing European association of all involved stakeholders
- *Deliverable*
 - Report on European Status of Standardization of Smart Grid
 - Contains recommendations for standardization in the areas of Glossary; Reference architecture; System Aspects; Communication; Information Security; EMC; Generation; Transmission; Distribution; Smart Metering (complementing, not duplicating M/441); Industry; Home and Building Automation and Demand Response



Mandate M490

To be co-ordinated with the outcomes of the existing mandates

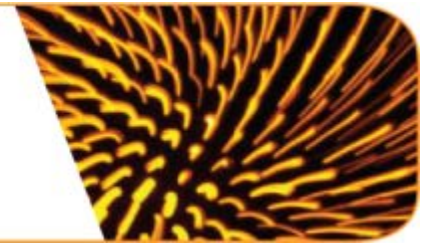
M/441 (smart metering) and M/468 (electric vehicles)

Main strands of the mandated work

- *Technical Reference Architecture*
to represent the functional information data flows between the main domains and integrate many systems and subsystems architectures, by 2012/Q1
- *Set of Consistent Standards*
to support the information exchange (communication protocols and data models) and the integration of all users into the electric system operation; a first set of standards to be available by 2012/Q4.
- *Sustainable standardization processes*
and collaborative tools to enable stakeholder interactions; a first set of Use Case management to be operational by 2012/Q1

Smart Grid Mandate
Standardization Mandate
to European Standardisation Organisations (ESOs) to support
European Smart Grid deployment

Smart Grid Co-ordination Group (SG-CG)



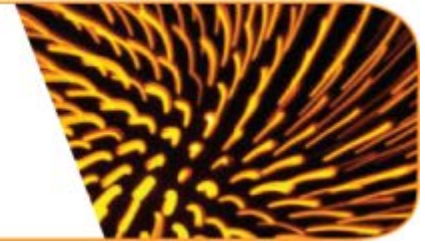
JWG continues as SG-CG; in essence, the SG-CG role is to ensure that:

- the M/490 process is transparent
- the widest group of stakeholders is represented
- the deliverables meet the requirements of the mandate & stakeholders

The SG-CG will:

- Further maintain the report on smart grid standardization in Europe.
- Manage the whole work process concerning the smart grid mandate and clarify non-technical questions to avoid unnecessary discussions in technical groups
- Provide a suitable platform for discussion of smart grid standardization-related issues with the ESOs and European Commission
- etc
- **But , the SG-CG shall not itself produce standardization deliverables.**

M/490: Overview of groups



Overview of groups involved and their broad functions:

- **Smart Grid Co-ordination Group (SG-CG)**

The plenary stakeholder group, chaired by Ralph Sporer, T&D Europe
Participation by nominees of European Associations, National Committees, relevant TCs, etc

Chairman is supported by an operational steering group

- **The SG-CG sub-groups**

develop deliverables for the mandate on behalf of the SG-CG

address each of the strands in M/490

are open to volunteers, willing to contribute; direct participation is possible

- **Technical Committees**

develop standards to meet the requirements of the mandate

Thank you for listening

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