



International Organization of Legal Metrology

Organisation Internationale de Métrologie Légale

Co-ordination of smart metering standardization in Europe

Willem Kool

*OIML Seminar on Smart Meters
Brijuni, Croatia – 2-5 June 2009*





Co-ordination group

- Industry initiative
- Organized and supported by CENELEC
- Joint advisory group of the ESOs with stakeholder participation
- Group does not develop standards
- Linked to CEC mandate M/441



SM-CG Participants (1)

AIE

AQUA

ERGEG/CEER

ESMIG

EURELECTRIC

EUROGAZ

EVVE

FACOGAZ

KNX Association

MARCOGAZ

□ **OIML**

WELMEC

Open Meter Project

European Social Partners:

ANEC,

ECOS,

ETUI-REHS,

NORMAPME

EC (European Commission)

EFTA (European Free Trade Association)

CEN Management Centre,

CENELEC Central Secretariat

ETSI Secretariat

Other representatives of relevant stakeholders may be invited as required



SM-CG Participants (2)

- ▣ **CEN/TC 92 “Water meters”**
- CEN/TC 171 “Heat cost allocation”**
- CEN/TC 176 “Heat meters”**
- ▣ **CEN/TC 237 “Gas meters”**
- CEN/TC 294 “Communication systems for meters and remote reading of meters”**
- CEN/TC 318 “Hydrometry”**
- CEN/WS DPP (Data Protection and Privacy)**



SM-CG Participants (3)

CLC/SR 57 - "Power systems management and associated information exchange"

CLC/TC 8X "System aspects of electrical energy supply"

CLC/TC 13 "Equipment for electrical energy measurement and load control"

CLC/TC 59X "Consumer information related to household electrical appliances"

CLC/TC 205 "Home and Building Electronic Systems"

CLC/TC 215 "Electrotechnical aspects of telecommunication equipment"



SM-CG Participants (4)

ETSI/TC M2M “Machine to Machine Communications”

ETSI/TC TISPAN “Telecoms & Internet converged Services & Protocols for Advanced Networks”

ETSI/TC ATTM “Access, Terminals, Transmission and Multiplexing”

ETSI/TC ERM “EMC and Radio Spectrum Matters”

ETSI/TC PLT “Powerline Telecommunications”



Tasks of the SM-CG

- Clarify any non-technical issues
- Propose list of European standards for smart metering
- Propose allocation of work
- Provide platform for discussion with EC and EFTA
- Consider work program implementation issues
- Monitor progress
- Provide recommendations



Chair and Secretariat

- Chairman nominated by the Group, and appointed by the CEN/CENELEC/ETSI Joint Presidents' Group
- Chairman's role is to facilitate the SM-CG work in a neutral way.
- The Chairman shall not be considered as a representative of any of the participating organizations.
- The Secretariat of the SM-CG is provided by CENELEC



Meetings

- 21 January:
 - First meeting - Creation of the SM-CG
- 25 May 2009:
 - Adoption of terms of reference
 - Nomination of chairman
 - Creation of two ad-hoc groups
- 30 September 2009



AHG 'Communications'

- **Scope**
 - Map existing standards and initiatives
 - Provide overall architecture of communication elements
 - Report on available standardized meter protocols and identify possible gaps
 - Determine criteria for communication aspects (question of interface)
 - Make recommendations for interoperability and openness
- **First meeting in June 2009**
- **Report 15 September 2009**



OIML AHG 'Additional functionalities'

- **Scope:**
 - To define list of additional functionalities
 - Data definition/quantity/format/frequency
 - To map with existing standards
 - To identify the gaps
 - To define work programme
 - To define a minimum list
 - Definiton “Functionalities”
 - Metrological function or not?
- **First meeting in June 2009**
- **Report 15 September 2009**