IEC mission

Be globally recognized as the leading platform for standards, conformity assessment systems and related services needed to facilitate international trade and enhance user value in the fields of electricity, electronics and associated technologies.
IEC Family: 167 countries

83 Members
84 Affiliates

IEC CO
Geneva

ReCNA
Boston

LARC
São Paulo

AFRC
Nairobi

APRC
Singapore

IECEx/IECQ
Sydney
IEC in figures

- IEC family = 83 members + 84 affiliates
- >170 technical committees
- Close to 20 000 experts
- >9 000 publications in catalogue
- 4 conformity assessment systems
Two MSB White Papers:
- Factory of the Future
- Strategic asset management of power networks

Four MSB task forces established to identify emerging technologies:
- Market strategy derived from global concerns;
- ICT – new trends
- Smart homes/buildings
- Development and technology trends of power generation
Africa Regional Centre
systems approach
Systems Committees

• **Systems Evaluation Groups (SEG)**
  -> First stage of systems development

• **Systems Committee (SyC)**
  -> Working at the systems instead of the product level
  -> functions generally as a conventional TC

• **Systems Resource Group (SRG)**
  -> specialized tools and software applications
  -> share best practices within the Systems Committees
Developments in 2015

• Standards work
  – Proposal for Systems Committee, *Smart Cities*
  – Systems Resource Group launched
  – Strategic Group 9, *Communication Technologies*
  – Strategic Group 10, *Wearable Smart Devices*
  – ACART, *Advisory Committee on Applications of Robotic Technology, including electrotechnology*

• Conformity Assessment work will be covered by my colleague
Expanding the universe of systems standardization

- SG3 Smart Grid
- SG5 AAL
- SG4 LVDC
- SG6 Electro-technology for Mobility
- SEG-1 Smart Cities
- SEG-2 Smart Grid
- SEG-3 Ambient Assisted Living
- SEG-4 LVDC Applications
- SEG-5 Electro-technology for Mobility
- SEG-6 Non-Traditional Distribution Networks / Microgrids

- SyC Smart Cities (Voting)
- SyC Smart Energy
- SyC Active Assisted Living

Systems Resource Group Now Operating

SEG secretariats in IEC CO Geneva
IEC-ISO-UNECE Conference

Using and referencing ISO and IEC standards to support public policy

Conference and Training

2-3 November 2015, Geneva, Switzerland
Thank you!

Thomas Robertson
IEC International Liaison for Developing Countries

UNECE – WP6
3 December 2015
Geneva