

## **SEG 9 Smart Home/Office Building**

**TC100 AGS in San Diego**

**2017-09-25**

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## **SEG 9: Smart home/office building**

### **Backgrounds of SEG9**

- The beginning of SEG 9 is the discussion of the resolution of conflicts between TC 23 (Electrical accessories) and TC 34 (Lamps and related equipment) for Smart Home related standardization in SMB.
- After discussion at ad hoc 66, the establishment of SEG 9 was resolved at the SMB meeting in February 2017.

**The first SEG 9 meeting was held in Germany on July 6 and 7.**



## Scope of SEG 9

This group will review existing standardization activities and gaps related to electrical installations and communication technologies for Smart Home/Office Building premises systems in order to build up a high level landscape.

The perimeter of work will consist of systems, devices, components and protocols that are deployed on the consumer or user side of the electric meter (including the meter) and the communication network interface.

These allow homeowners and building users to increase comfort, security, safety and productivity while reducing maintenance costs and impacts on the environment.

Application areas will include (but will not be limited to) lighting, HAVC, energy efficiency, security, safety and technical alarms, household appliances, multimedia equipment, accessibility, personal health and wellness, in building mobility, on site power generation and storage (DER - Distributed energy resources), and electric vehicle charging.

SEG 9 will also focus on interfaces between the smart building and its external environment

*\*) This scope is corrected and added at appropriate time.*

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## SEG 9 Work Items (Deliverables)

D1: Identify new members for SEG 9 (Individual experts or organizations)

D2: Map and document broad based technology trends (e.g. connectivity, LED)

D3: Map and document broad based market evaluation trends (e.g. personal devices, aging demographics)

D4: Assessment of existing and future market segments

D5: Develop indicative general use cases

D6: Inventory of existing standards and standardization projects within and outside the IEC.

D7: Analysis of above inventory identifying gaps and overlaps, including potential remediation paths if required.

D8: Identify best practice models for coordination of cross TC/SC work in IEC and external bodies to formulate a longer term, sustainable process.

D9: Interim and final report to SMB including recommendations for future work.

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## WG activities

WG name	Assigned deliverables	Convener
WG1 : Trends, technologies and market	D2, D3, D4	Robert Nachtrieb (US)
WG2: Use Cases	D5	Cristiano Masini (IT)
WG3: Mapping of standards	D6, D7	Beatriz Novel (ES)
WG4: Coordination & process model	D8	Jim Matthews (US)

\*) D1 and D9 are considered for the entire SEG9