

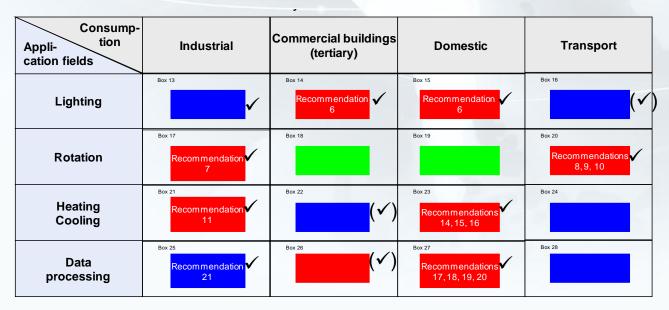
Ralph Sporer ACEE Chairman

EE Workshop 13.03.14 Paris



# IEC SG 1: Strategic Group on Energy Efficiency

- SG 1 was established in 2007-02 with the task to analyze the status quo in the field of energy efficiency and renewable and formulate recommendations for further actions.
- SG 1 examined the whole energy supply chain (Industry, Buildings, Home, Transport, Generation, Transmission, Distribution)





medium significance

✓ done





low significance

no significance

# IEC SG 1: issued 34 Recommendations

Area	Priority	Recommendation	Who, Lead	Remarks	Status
Terminology, calculation methods	1	SG1 Recommendation 1:  To develop a common general terminology, metrics, general calculation methods and criteria in the field of energy efficiency in order to provide a generic framework as the basis for further detailed domain specific requirements. This should be a joint activity of IEC, ISO and possibly ITU incl. the cooperation with the International Energy Agency (IEA).	IEC, ISO, ITU	Attention is drawn to IEC/TC 111's project 62542 "Standardization of environmental aspects - Glossary of terms" as well as existing definitions of IEC product committees. Furthermore, the work of ISO/TC 203 "Technical energy systems" and possibly other TCs should be checked for relevance.  NOTE 1- It is recommended that within the new Project Committee a well balanced engagement of experts delegated by ISO, IEC, IEA and ITU is achieved.  NOTE 2- The IEC/TC 111 results on harmonizing the concepts of equipment modes in respect to power demand should be given as an input for the ISO/IEC JWG on terminology.	Approved 2008-09-01 (SMB/3718B/R SMB/3718C/CC)
Follow-up	ISO/IEC JPC 2 during 2009 established under ISO lead, 1st meeting held 2010-01			2010-08	

 Rec. #1: Foundation of ISO/IEC JPC 2 on Terminology in 2009: JPC2/CDV/38:2013-05 (EE) and JPC2/CDV/39:2013-05 (RE)

approved (SMB/3718B/R SMB/3718C/CC Withdrawn 2009-12-03

 Rec. #7/#21: Foundation of IEC/TC 65/JWG 14 on Energy Efficiency in Industrial Automation (rec. #7 and #21): IEC/TR 62837 "Industrial-process measurement, control and automation - Energy Efficiency through

Automation Systems ods for power transformers with

immersed distribution transformers 50 Hz, from 50 kVA to 2 500 kVA with highest voltage for

(SMB/3718B/R SMB/3718C/CC)

• ...



## IEC ACEE: Advisory Committee on Energy Efficiency

#### Terms of Reference AC/11/2013

ACEE deals with energy efficiency matters which are **not specific to one single** technical committee of the IEC. It coordinates activities related to energy efficiency.

ACEE is responsible for the **assignment of horizontal energy efficiency** aspects and requirements. **ACEE provides guidance** for implementation in a general perspective and for specific sectors.

It encourages a **systems perspective** for the development of standards for energy efficiency and provides support for system considerations.



## **IEC ACEE: Member**



#### **Experts from National Committees**

Australia, Canada, China, France, Germany, Italy, Japan, Korea, Switzerland, United States of America

#### **Representatives of Technical Committees**

TC 17	Switchgear and controlgear
TC 22	Power electronic systems and equipment
TC 23	Electrical accessories
TC 27	Industrial electroheating and electromagnetic processing
TC 59	Performance of household and similar electrical appliances
TC 64	Electrical installations
TC 65	Industrial-process measurement, control and automation
TC 100	Audio, video and multimedia systems and equipment
TC 105	Fuel cell technologies
TC 120	Energy Storage



## **IEC ACEE: Work Plan**

#### **Methodology - operational**

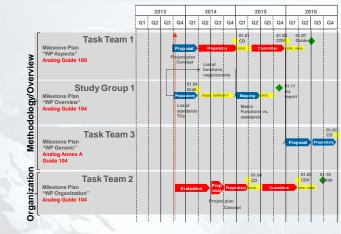
- Aspects Definition of EE aspects
- Overview Overview of existing EE standards
- Generic Derive generic approaches per aspect

#### Organization – structural

Organization - Description of IEC organization

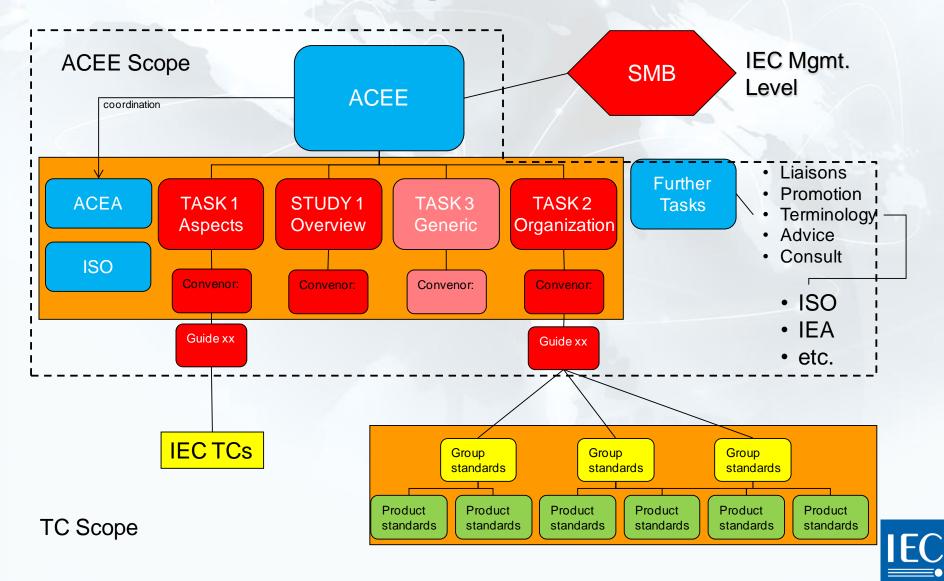
#### **Accompanying actions**

- Definitions Terminology
- Marketing Dissemination





# **IEC ACEE - Organization**



### **IEC ACEE - Outlook**

# TC work on EE Odganization Methodology Energy Efficiency is one major foundation of IEC

#### Guidance

- Guide(s) for technical committee work
- Harmonized, systematic approach for inclusion of energy efficiency in IEC standards
- Consulting of standardization management board (SMB) of IEC

#### Information

Existing standards repository classified towards energy efficiency aspects

# **Energy Efficiency is a major foundation of IEC**





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