

# **GLOBAL RELEVANCE**

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## **POLICIES AND IMPLEMENTATION**

**I.E.C. BRAZILIAN NATIONAL COMMITTEE**

**COPANT/PASC MEETING**

**Cartagena-Colombia**

**April 25th, 2007**

*Cobbei*

# **POLICIES**

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**INTERACTION – ABNT/CB03 and BR – IEC N.C.**

**PARTICIPATION – IEC T.Cs/S.Cs and ABNT/CB 03 TCs/SCs**

**PROMOTION - ABNT/CB03 Seminars**

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# INTERACTION IEC N.C. with ABNT/CB03

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- ✓ To provide access to IEC standards database for study purposes
- ✓ To provide access to the documentation issued by TC's during the Standardization process
- ✓ To participate / to comment / to vote IEC projects
- ✓ To provide access to IEC standards in word format in order to facilitate its adoption  
(To provide figures access, graphics, tables etc)
- ✓ To accomplish financial responsibilities towards IEC

# INTERNATIONAL PARTICIPATION

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## *Participation at SC's of IEC*

- ✓ P member – 13 SC's
- ✓ O member - 40 SC's
- ✓ COBEI has analyzed in 4 years around 7500 IEC documents and we have voted 1250 IEC documents as well.

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# INTERNATIONAL PARTICIPATION

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TC/SC	DESCRIPTION	MEMBER
2	Rotating Machinery	P
10	Fluids For Electrotechnical Applications	P
11	Overhead Lines	O
13	Equipment For Electrical Energy Measurement And Load Control	O
17A	High-Voltage Switchgear And Controlgear	O
17B	Low-Voltage Switchgear And Controlgear	O
17C	High-Voltage Switchgear And Controlgear Assemblies	O
17D	Low-Voltage Switchgear And Controlgear Assemblies	O
18	Electrical Installations Of Ships And Of Mobile And Fixed Offshore Units	P
23A	Cable Management Systems	O
23B	Plugs, Socket-Outlets And Switches	P
23C	World-Wide Plug And Socket-Outlet Systems	P
23E	Circuit-Breakers And Similar Equipment For Household Use	P
23F	Connecting Devices	O
23G	Appliance Couplers	O
23H	Industrial Plugs And Socket-Outlets	P
23J	Switches For Appliances	O

# INTERNATIONAL PARTICIPATION

TC/SC	DESCRIPTION	MEMBER
29	Electroacoustics	O
31G	Intrinsically-Safe Apparatus	P
31H	Apparatus For Use In The Presence Of Combustible Dust	P
31J	Classification Of Hazardous Areas And Installation Requirements	P
32B	Low-Voltage Fuses	O
34D	Luminaires	O
37A	Low-Voltage Surge Protective Devices	O
38	Instrument Transformers	O
48B	Connectors	P
48D	Mechanical Structures For Electronic Equipment	P
55	Winding Wires	O
59A	Electric Dishwashers	O
59D	Home Laundry Appliances	P
59F	Floor Treatment Appliances	O
59K	Ovens And Microwave Ovens, Cooking Ranges And Similar Appliances	O
61B	Safety Of Microwave Ovens	O
61C	Household Appliances For Refrigeration	O
61D	Appliances For Air-Conditioning For Household And Similar Purposes	O

# INTERNATIONAL PARTICIPATION

TC/SC	DESCRIPTION	MEMBER
61F	Safety Of Hand-Held Motor-Operated Electric Tools	0
62A	Common Aspects Of Electrical Equipment Used In Medical Practice	0
62B	Diagnostic Imaging Equipment	0
62C	Equipment For Radiotherapy, Nuclear Medicine And Radiation Dosimetry	0
62D	Electromedical Equipment	0
64	Electrical Installations And Protection Against Electric Shock	0
73	Short-Circuit Currents	0
77A	Low Frequency Phenomena	0
77B	High Frequency Phenomena	0
77C	High Power Transient Phenomena	0
85	Measuring Equipment For Electrical And Electromagnetic Quantities	0
86A	Fibres And Cables	0
86B	Fibre Optic Interconnecting Devices And Passive Components	0
86C	Fibre Optic Systems And Active Devices	0
91	Electronics Assembly Technology	0
106	Methods For The Assessment Of Electric, Magnetic And Electromagnetic Fields Associated With Human Exposure	0
CISPR I	Electromagnetic Compatibility Of Information Technology Equipment, Multimedia Equipment And Receivers	0

# **INTERNATIONAL PARTICIPATION**

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**SMB Standardization Management Board**

**CAB Conformity Assessment Board**

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# ORGANIZATION

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**COBEI : Brazilian Committee for  
Electricity, Electronics, Illumination  
and Telecommunication**

*Cobei*

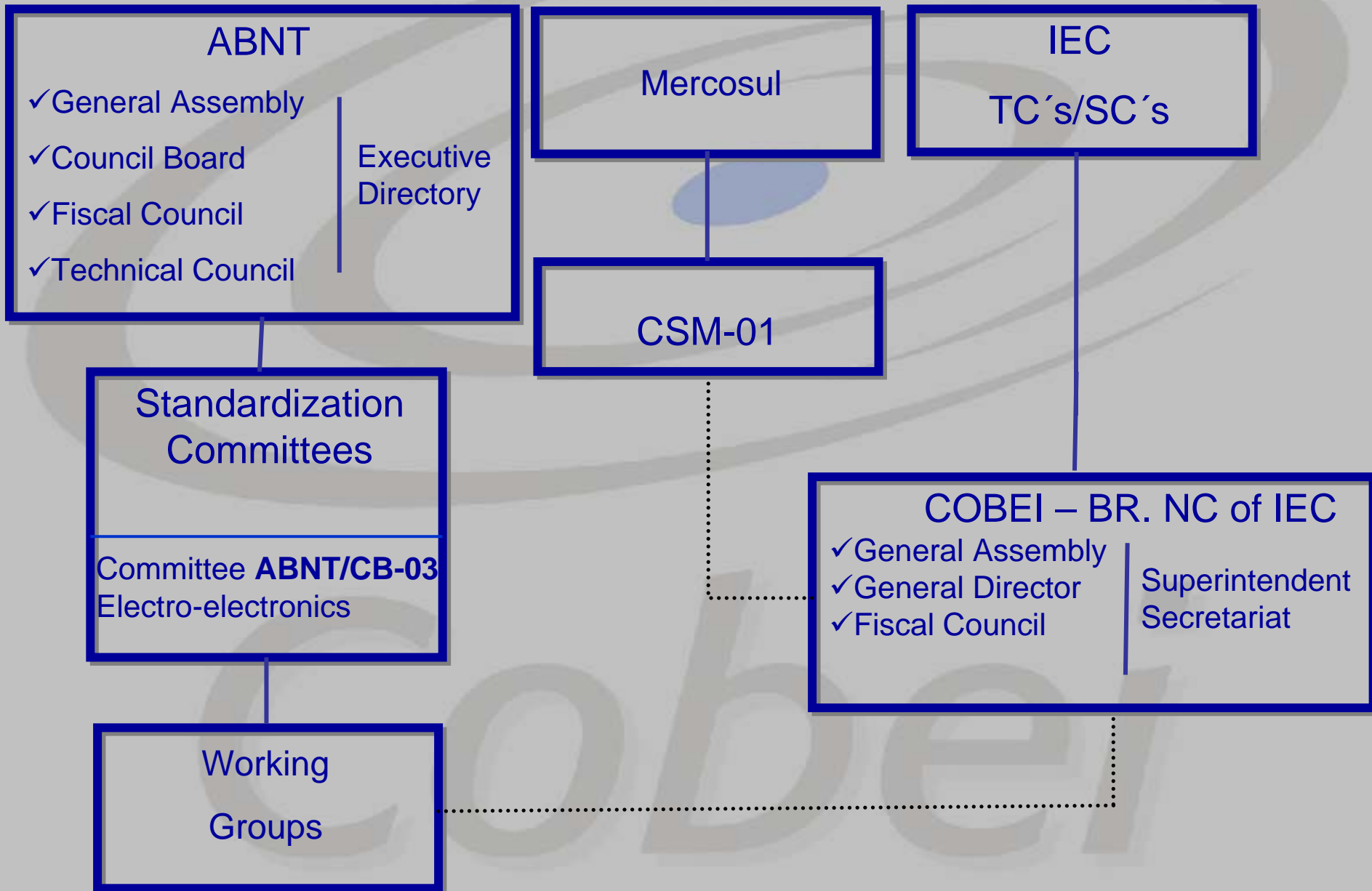
**COBEI : BRAZILIAN COMMITTEE FOR ELECTRICITY, ELECTRONICS,  
ILUMINATION AND TELECOMMUNICATION**

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**History**

- ✓ 1889: Issue of the 1<sup>st</sup> “Brazilian Technical Recommendation” for use of electricity by “Brazilian Center of Electricians”
- ✓ 1908: Foundation of the Brazilian Electrotechnical Committee – COBEI
- ✓ 1940: Integration of the COBEI into ABNT (Brazilian Association for Technical Standardization)
- ✓ 2002(June): Refoundation of COBEI as “Private civil society, maintained by associations and enterprises of electrical, electronics and related areas”
- ✓ 2002(December): COBEI represents Brazil at IEC by agreement with ABNT

# STRUCTURES / INTERACTION



# STANDARDIZATION IN BRAZIL

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**ABNT** : Brazilian Association for  
Technical Standardization

- ✓ Non governmental organization, a civil society
- ✓ Founded on 28.09.1940
- ✓ Constituted by 57 Technical Committees, corresponding the CB-03 to electrical and electronics areas
- ✓ Unique Forum for Standardization (Law 24.08.1992)

**IEC** : International Electrotechnical  
Comission



**COBEI** : Brazilian Committee for  
Electricity, Electronics,  
Illumination and  
Telecommunication, the  
Brazilian National Committe  
of IEC

- ✓ Founded on 9<sup>th</sup> April 2002
- ✓ Mission :
  - To mobilize enterprises, entities and professionals in order to support the correspondent standardization activities
  - To represent Brazil at IEC

# STANDARDIZATION EVOLUTION

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	2007	2006	2005	2004	2003	2002
<u>WG´s in activity</u> :	90	105	90	80	70	35
<u>Running Projects</u> (total) :	240	244	306	305	230	138
<u>Standards published</u>	137*	109	43	27	20	07
<u>IEC equivalent/based on projects</u>	152*	145	199	152	106	68

\* Plan 2007

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Gracias por su atención

Thank you for the attention

Obrigado pela atenção

*Cobbei*