The IECEE CB Scheme facilitates Global trade of Information Technology products.

WTO - Symposium on the 15th Anniversary of the Information Technology Agreement

14-15 May 2012

Pierre de RUVO
Executive Secretary of the IECEE
IEC Structure

IEC COUNCIL
Full Member National Committees

COUNCIL BOARD
EXECUTIVE COMMITTEE
(IEC Officers)

Management Advisory Committees

STANDARDIZATION MANAGEMENT BOARD (SMB)
Management of consensus International Standards work

MARKET STRATEGY BOARD (MSB)
Technology watch / market priorities

CONFORMITY ASSESSMENT BOARD (CAB)
Management of Conformity Assessment operations and systems

IECEE
IECEx
IECQ

IECEE
The CAB & Conformity Assessment Systems

IECEE
System for Conformity Testing and Certification of Electrotechnical Equipment and Components

IECEx
System for Certification to Standards Relating to Equipment for use in Explosive Atmospheres

IECQ
Quality Assessment System for Electronic Components

CB Scheme

CB-FCS Scheme

PV Programme

E3 Energy Efficiency

Hazardous Substances

Ex Equipment

Ex Services

Ex Personnel

Active & Passive components

Processes

HSPM

Avionics

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What is the IEC?

Founded in 1906 the INTERNATIONAL ELECTROTECHNICAL COMMISSION (IEC) is the leading global organization that prepares and publishes International Standards for all electrical, electronic and related technologies – collectively known as “electrotechnology”.

The IEC also operates Conformity Assessment Systems that provide third party testing and certification to products and systems against its International Standards.
What is the IECEE System?

- Fully integrated in the IEC, based in Geneva
- Founded in 1985
- Based on the principle of Multi Lateral Agreement
- Operates third party C.A. Schemes and Programmes
- Facilitate trade and provides easy access to the Global Market
- Promotes harmonization but takes into account National Differences
IECEE Member Bodies by Countries

Argentina  Australia  Austria  Bahrain  Belarus  Belgium  Brazil  Bulgaria  Canada  China  Colombia  Croatia  Czech Rep.  Denmark  Finland  France  Germany  Greece  Hungary  India  Indonesia  Ireland  Israel  Italy  Japan  Kenya  Korea Rep. of  Libya  Malaysia  Mexico  Netherlands  New Zealand  Norway  Pakistan  Poland  Portugal  Romania  Russian Federation  Saudi Arabia  Serbia  Singapore  Slovakia  Slovenia  South Africa  Spain  Sweden  Switzerland  Thailand  Turkey  Ukraine  United Arab Emirates  United Kingdom  United States

53 Participating Countries
IECEE Membership

- IECEE is a voluntary C.A. System of National Member Bodies that fully represent electrotechnical interests in their countries
  - Government, industry, testing laboratories, academia, retailers, consumer groups...
- Membership – one Member Body per country - MB
- Unlimited number of Certification Bodies - NCBs
- Unlimited number of Testing Laboratories – CBTLs
- Unlimited number of Manufacturer’s Testing Laboratories - MTLs
The Members of the IECEE System are:

- 53 Member Bodies - 1 per Country
- 75 Certification Bodies - 1 or more per Country
- 359 Testing Laboratories - 1 or more per Country
- 47 ACTLs
- 2219 Manufacturer’s Testing Laboratories
In recognition of the need to facilitate international trade in electrotechnical equipment, and components primarily intended for use in homes, offices, workshops healthcare facilities and similar locations, for benefit of consumers, industries, authorities etc, and to provide convenience for manufacturers and other users of the services provided by various National Certification Bodies (NCBs), two international Schemes are operated by the IECEE, known as the:

- CB Scheme
- CB-FCS Full Certification Scheme
The IECEE Schemes are based on the principle of mutual recognition (reciprocal acceptance) by its worldwide members of test results for obtaining certification or approval at national level.

The IECEE Schemes in the last decade have naturally evolved and become « de facto » the most accepted proof of compliance by many Countries’ Authorities and Regulators as the passport to entry their markets without further testing.
The IECEE Schemes are intended to reduce obstacles to international trade which arise from having to meet different national certification or approval criteria.
Where national standards are not yet completely based on IEC standards, declared *national differences* are taken into account.

However, successful operation of the Scheme presupposes that national standards are reasonably harmonized with the corresponding IEC standards.
Scope of the IECCEE System
Safety-Performance-Environmental

- Safety: IEC Standards for electrical safety
- Energy efficiency: IEC Standards for energy efficiency
- Environmental Protection: IECEE Hazardous Substances Program
The CB Scheme and CB-FCS Processes

Sample request → CB requests sample(s) and sets the testing programme

Testing → CBTL’s Staff performs the measuring and testing programme

Inspection → CB’s Staff performs the Factory Inspection

Evaluation → CB’s Staff evaluates the Test Report

Decision → CB’s officer takes the Certification decision

Licence → CB issues the CB Test Certificate and Test Report
IECEE System in action

NCB COUNTRY B1
Recognizing

NCB COUNTRY B2
Recognizing

NCB COUNTRY B3
Recognizing

Regulators

Retailers/Vendors
Buyers

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IECEE Membership

- IECEE Membership Growth Over Time
- Countries, Certification Bodies, Testing Laboratories

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IECEE CB Scheme... a success story

Certificates re-issued over the publication of new editions of standards

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Information Technology Equipment
CBTCs issued for OFF & TRON from 2002-2010

2002 2003 2004 2005 2006 2007 2008 2009 2010 2011

TRON, 60065
OFF, 60950
- Energy Consumption
- Energy Performance
- Noise Level
The use of the IECEE System...

- Ensures that the product are safe
- Prevents redundant testing
- Facilitate trade
- Support regulatory policies

...provides a competitive edge!

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In 2001 IEC had stable membership (since 1906!), but membership requirements were deterring developing countries.

World Trade Organization was looking for ways “to ensure effective participation of Members, and particularly of developing country Members in [international standardization organizations] activities.”

The IEC found a unique approach to ensuring that participation.
Unique Approach

- Affiliate commitment to use International Standards
- No participation fee, no right to vote, *not a form of membership*
- 100% electronic environment / correspondence
- **200** free IEC International Standards for adoption
- Selection of **10 technical fields** and access to working documents
- New **Affiliate Plus** status
- Guidance on **IEC Conformity Assessment Systems**
- Attendance to **IEC General Meetings**
- A **Leader**, a **Secretariat**, two **Coordinators**, a website.
Way forward in 2012

- More Affiliate Plus countries
- Expand mentoring programme
- Cooperation with regional bodies
- Reach out to Pacific Islands and West Africa
- Training on regional basis / Virtual training
- Adoption event with ISO
- New benefits in conformity assessment: IECEE Affiliate status
Removing trade barriers

Through its global reach, the IEC Affiliate Country Programme results in increased awareness, use and adoption of IEC International Standards in developing and newly industrialized countries. It also helps develop trade with these new markets, as participants adopt IEC International Standards and use the IEC Conformity Assessment Systems, in particular IECEE, the IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components.
Benefits

This is of particular interest to industry, which can export to and import from these areas with the assurance that their products and services will operate safely and efficiently.
Benefits

This is also of particular interest to Affiliate Countries, which can set the basis in their own countries to build the necessary Conformity Assessment structures to ensure that importing electrical goods are compliant with IEC International Standards in terms of safety and efficiency.
The IECEE CB Scheme….

- Ensures that the products are safe and efficient
- Minimizes the risk to property and persons
- Contributes to the environmental aspects & public health
- Supports regulatory policies
THANK YOU!

Any question?

www.ieceee.org