



For IEC use only

C/1807A/INF

2013-11-08

**INTERNATIONAL ELECTROTECHNICAL COMMISSION**

**COUNCIL**

**SUBJECT**

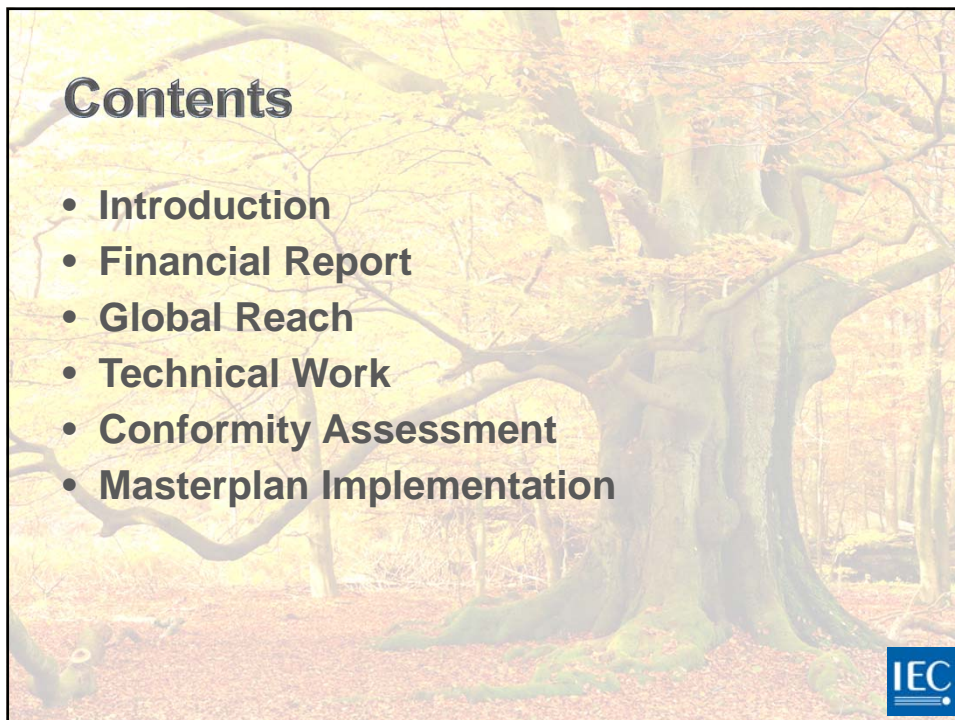
**Agenda item 5.1**

**Activity Report by the General Secretary – adjusted final content**

**BACKGROUND**

The General Secretary's Activity Report as given at the Council Statutory Session is provided in attachment 1. The traditional complete Activity Report is provided in attachment 2.

*Attachments (2)*



## Contents

- Introduction
- Financial Report
- Global Reach
- Technical Work
- Conformity Assessment
- Masterplan Implementation



[Introduction](#) | [Financial](#) | [Global](#) | [Technical](#) | [Conformity](#) | [Masterplan 2011](#)

## Building on our strengths

- Membership-based organization
- Large family: 165 countries
- More than 13 700 experts
- ~7 000 publications in catalogue
- 3 successful CA Systems
- Home of industry



## Building on our strengths

- Well-run organization, efficient and effective
- Good support via IT tools and systems
- Vision, mission and Masterplan 2011
- Masterplan calls for improvements
- Improvements can and are to be made



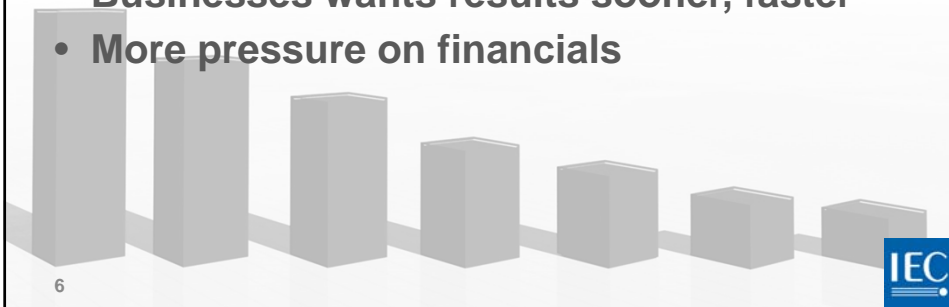
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## Building on our strengths

### Some observations

- Financial crisis continues:
  - less money, more unemployment...hope for improvement
- Businesses want results sooner, faster
- More pressure on financials



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## Building on our strengths

- More political tension in the world
- More pressure in society, less tolerance
- Emphasis on nationalistic issues, increased nationalistic behaviour



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## Building on our strengths

- More bilateral trade agreements
- Undervalue INTERNATIONAL Standards-setting process
- Need for more communication at board level
- Need to better include all stakeholder at all levels



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## IEC Vision

Worldwide use of IEC Standards &  
Conformity Assessment Systems  
*as the key to international trade*

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## IEC Mission

IEC's mission is to 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

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## IEC Mission

- Encourage national adoption of International standards, which are consensus based
- Stimulate world trade and business by ensuring technical and market relevance of its products
- Make results applicable and available for voluntary adoption world wide
- Set the framework for conformity assessment in global markets

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## Progress since Oslo

- New TC/SCs
- New Systems Evaluation Groups (SEGs) and Systems Committees (SyCs)
- New CA System: IECRE for renewable energies
- Affiliate Conformity Assessment Status (ACAS)

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Introduction | **Financial** | Global | Technical | Conformity | Masterplan 2011

## Financial report

### Exceptionally updated budget

- Personnel transitions
- Increase in IT and support
- Masterplan implementation activities
- Travels – need to be closer to members and industry
- Marketing

Pressure on business model  
Conservative budgeting





## Actuals 2012

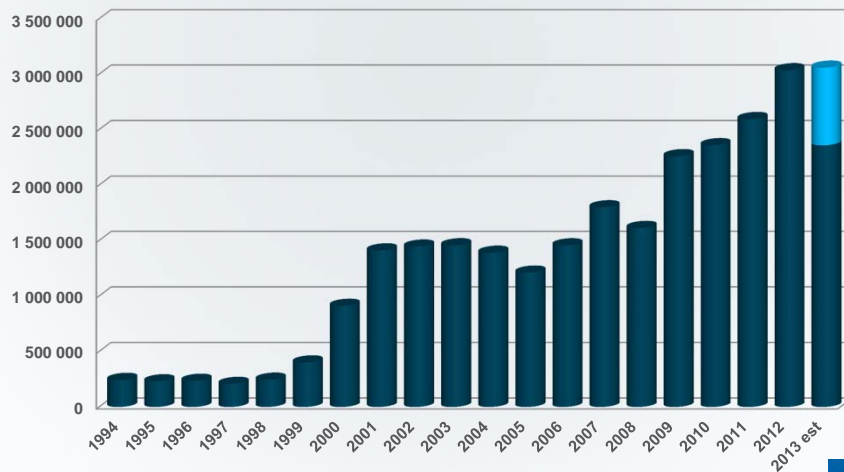
	Actual 2012	Actual 2011	Budget 2012
	CHF	CHF	CHF
<b>INCOME</b>			
Dues	9,508,500	10,418,400	9,500,000
Net sales and royalties	<b>11,320,670</b>	8,802,870	8,400,000
Allocation of expenses to CA systems	1,096,912	1,376,536	1,600,000
Net financial revenue and other incomes	<u>335,958</u>	<u>317,426</u>	<u>500,000</u>
Total	<u>22,262,040</u>	<u>20,915,232</u>	<u>20,000,000</u>
<b>EXPENSES</b>			
Personnel expenses	15,937,545	15,809,936	13,900,000
Office and administration expenses	4,527,953	4,043,716	4,500,000
Travel and meetings expenses	1,953,422	1,767,889	1,600,000
Reserves	<u>(1,211,545)</u>	<u>(802,461)</u>	
Total	<u>21,207,375</u>	<u>20,819,080</u>	<u>20,000,000</u>
<b>Budget result</b>			<u>0</u>
<b>Surplus for the year before dues write off</b>	<u>1,054,665</u>	<u>96,152</u>	<u>0</u>
Dues write-off	0	0	0
<b>Surplus for the year</b>	<u>1,054,665</u>	<u>96,152</u>	<u>0</u>

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There is a 5<sup>th</sup> quarter in 2012 royalties income (CHF 2.1M) due to change in fiscal year span: from Jan to Dec instead of Oct to Sep



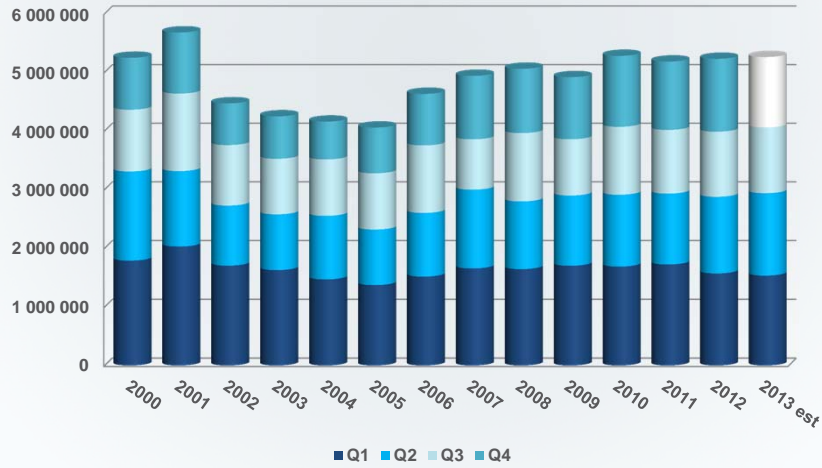
## Royalties paid to NCs on CO sales



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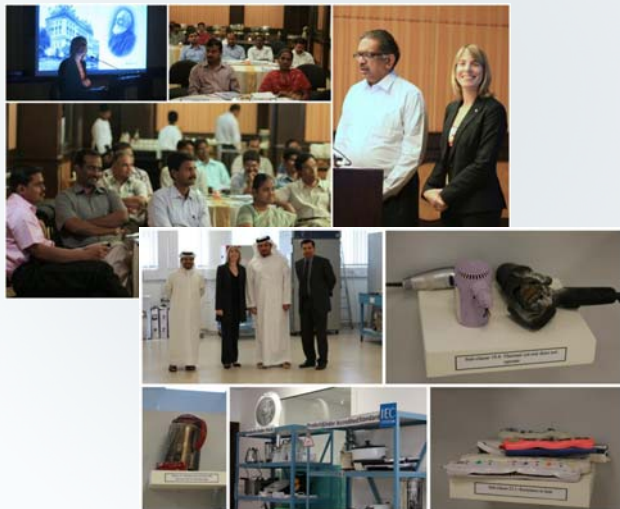
## IEC CO total sales



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## Sales roadshow



- China
- India
- UAE
- USA

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Introduction | Financial | **Global** | Technical | Conformity | Masterplan 2011

## NCs are the IEC



- NCs promote IEC standards and services
- NCs ensure the right parties are represented
- NCs participate at all levels

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## IEC Asia-Pacific Regional Centre

- Technical Support to 52 TC/SCs
- Close collaboration with NCs and Affiliates in the region
- Promotion of IEC
- Raise awareness and market profile
- Participation in, and support of key regional events
- Training workshops (with TISS)

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## IEC Latin America Regional Centre

- Promote IEC standardization and conformity assessment activities
- Participation in regional and international events in the region
- Country visits – Meetings with:
  - NCs and stakeholders
  - Authorities and potential stakeholders
- Training workshops (with TISS)

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## IEC North America Regional Centre

- Technical support to 39 TC/SCs
- Training workshops (with TISS)
- Part of Central Office

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## Young Professionals

- Future leaders of the IEC
- Ambassadors for your NC
- 211 participants from 40 NCs in 4 years
- 12 NC equivalent programmes running or being established
- Dedicated YP web area



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## YPs – 2013 workshop

- **Feedback on the workshop:**
  - 98% found the workshop valuable
  - 83% expectations fulfilled
  - 96% plan to get more involved in IEC work
- **2013 IEC YP recommendations:**
  - IEC national YP programme essential
  - Encourage mentoring
  - Communicate, communicate, communicate

**... Follow-up is essential!**

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## IEC Mentoring Programme

- **Objective: Broaden participation at all levels**
- **Launched in June 2013 as part of the Masterplan implementation**



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## Mentoring Agreements

- **Austria-Rwanda**
  - Mentoring began on 1 September 2013
- **Germany-Czech Republic**
  - Mentoring began on 23 September 2013



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## Affiliate Country Programme

- Adoption of IEC Standards
- Successful tool to reinforce the IEC Family
- Help developing countries comply with WTO TBT Agreement
- 83 countries committed
  - South Sudan (04/13)
  - Saint Kitts and Nevis (09/13)
- 40 have a National Electrotechnical Committee (NEC)
  - New: Bhutan, Burundi, Cambodia, Gabon

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## Affiliates Conformity Assessment Status (ACAS)

- **Enhancing Affiliate participation in IEC CA Systems, recognition of certificates**
  - Regional awareness events
  - Documentation and guides on CA at the IEC
- **Based on feedback from 52 Affiliate Countries**
- **Webinars (upon request)**
  - Learning modules on IEC website and CD-ROMs (under development)
  - Resource database (under development)
  - Active participation in each system, based on prerequisite training conditions

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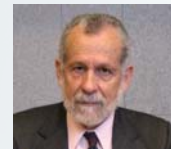


## Affiliate team



**Affiliate Leader:**  
Phuntsho Wangdi, Bhutan

**Coordinator for Latin America:**  
Carlos Rodriguez, Costa Rica



**Coordinator for Africa:**  
Evah Oduor, Kenya

**Secretariat in Geneva**  
Françoise Rauser



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## World Standards Cooperation (WSC)

- Promote the value of the IEC/ISO/ITU international standardization system (WTO recognition)
- Three-year rolling plan
- WSC Workshops
  - Fully Networked Car 2013
  - Academia Day / ICES 2013
  - North American Roundtable 2013 and 2014
- Proposals for new ways to achieve WSC aims, e.g.
  - Video / brochure / web article
  - Case studies on co-operative work

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## World Trade Organization (WTO)

- IEC attends TBT Committee meetings as Observer
- IEC reports to TBT Committee: on standardization & WTO principles
- 24 country delegation at IEC CO in Geneva



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## Cooperation with Academia



- International Cooperation about Standardization (ICES) and WSC Academic Day Sophia Antipolis, France,
- WSC Roundtable, Washington DC, brought together academics, standardizers, government

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## UN SE4ALL partnership

- United Nations Sustainable Energy for All initiative
- Initiative sets three objectives for 2030:
  - Universal access to modern energy services
  - Doubling global rate of improvement in energy efficiency
  - Doubling share of renewable energies in global energy mix
- IEC joined in 2013
- Facilitated access to IEC standards for rural electrification for developing countries



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## Global Sustainable Electricity Partnership (GSEP)

- World's largest electric utilities
- IEC roundtable on MSB White Paper on Microgrids in Washington DC (06/13)



## IEC websites

- New IEC website homepage
- myIEC
- Feedback button
- IECQ website



## Marketing

### Integrated marketing and communications

- **Example: positioning IEC in energy**
  - Researched IEC involvement in global energy value chain
  - Developed brochure / web content / presentations / media material / media releases / short impact full messages
  - Participation in events where messages could be delivered
- Take into account needs of different audiences, used in coordinated, integrated fashion
- Require market and stakeholder analysis including motivational patterns and prioritization of tools



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## Marketing


### Positioning & messaging:

- **short messages such as:**
  - “Don’t let the competition write the rules for you, participate in, and influence IEC standardization work
- **Q&A for use with different target groups**
  - identify what makes them "tick"
  - deliver messages that push the right buttons
- **Streamline IEC corporate identity**
  - New IEC Graphic Charter underway

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## Communications

- New Global Visions interviews (Goldwind, LSIS, NIST, South African regulator)
- New brochures
  - Electrical energy – IEC helps keep the power on
  - Secrets of effective participation (for TC experts)
  - Piracy in electrical and electronic products (in 8 languages)
- Articles placed in trade magazines
- Event endorsement
- Social media
  - More than 10 000 members 
  - Close to 36 000 weekly views 
- Coming soon: IEC e-tech app for iOS and Android devices



## IEC trademark protection

- IEC Logo
  - Registered in 65 countries, excluding the European Union as one entity
  - Applications pending in 8 countries
- IEC Words (“International Electrotechnical Commission”)
  - Registered in 45 countries, excluding the European Union as one entity
  - Applications pending in 6 countries

## IEC trademark protection

- **Assigned legal advisor in Geneva**
  - Responsible for: registration of IEC trademark in Member States
  - Trademarks renewals, filing oppositions, counsel...
- **Trademark License Letter**
  - Signed by almost all National Committees
  - licenses the respective NC to use the logo and names and to be able to issue permissions to any approved third parties

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## IP: copyright issues

- **Pirating**
- **Incorporated by Reference**
- **Obligation for NCs to maintain IEC business model, otherwise suspension**
- **NO free standards – threat of suspension**
- **Looking for ways to solve current issues case by case**
- **Aligned with ISO**

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Introduction | Financial | Global | **Technical** | Conformity | Masterplan 2011

## MSB

- **Nanotechnology in the sectors of solar energy and energy storage**
  - Technology Report (10/13)
- **Microgrids for disaster preparedness & recovery (MDR)**
  - 4<sup>th</sup> IEC White Paper (early 2014)



## SMB

- ACEE (Advisory Committee on Energy Efficiency (ex SG 1))
- SG 6 (Electrotechnology for e-Mobility) to produce roadmap on EV standards
- New areas of work
  - Electrical Energy storage systems (TC 120)
  - Grid integration of large capacity renewable energy sources (SC 8A)
  - Proposal for new TC on UHV AC transmission systems
  - Proposal for new TC on Switchgear and controlgear and their assemblies for low voltage

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## Systems Evaluation Groups

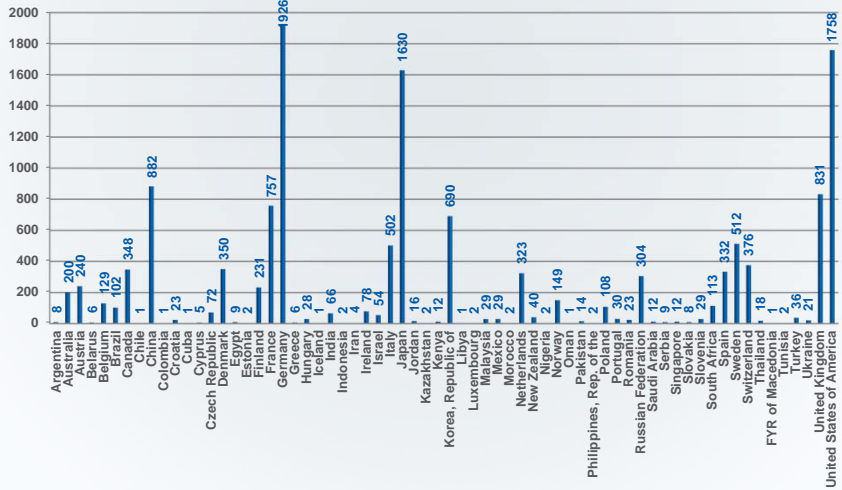
- Broad strategic view, work covering broad domains
- SEGs (System Evaluation Groups) open to all interested parties
  - SEG Smart Grid (transformation of SG 3)
  - SEG Smart Cities
- Need to cooperate with ISO, ITU and other organizations from the beginning
- *Need for change of mindset !!*

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## Participation of experts in IEC work



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## IEC Publications

### Published

2012-10 to 2013-09

**475 (451)**

### Publications in library

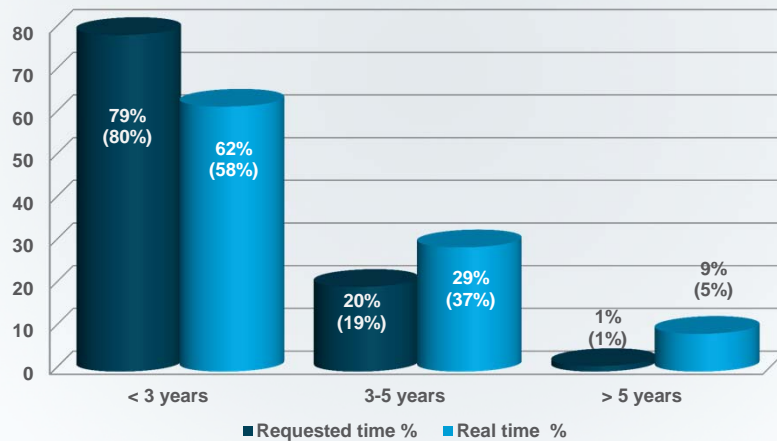
2013-09-30

**6 894 (6 637)**

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## Development time for publications



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## IEC Trainings

- **Aim: to increase awareness of and participation in IEC work**
- **Organized by TISS with IEC Regional Centres when relevant**
- **For IEC members, experts and community at large**



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## IEC Trainings 2013

- Argentina
- Belgium
- Brazil
- Chile
- Mexico
- Indonesia
- Philippines
- Thailand
- Singapore
- Sweden
- Kenya
- Germany
- Korea
- Japan
- China
- Denmark
- Norway
- Finland

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## IEC Trainings 2014

- Canada
- USA
- Mexico
- Colombia
- Chile
- Italy
- Spain
- South America
- Australia
- New Zealand
- Russian Federation
- Belarus
- Poland
- Hungary
- China
- India

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## NCs using IT tools



## New services

- Personalized myIEC
- Feedback form for public commenting
- Systems work dashboards on IEC website
- New IEC data feed
- Access to Word files of CDVs
- Desktop/mobile app for IEC Catalogue
- CENELEC electronic voting and commenting system

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Introduction | Financial | Global | Technical | **Conformity** | Masterplan 2011

## Conformity Assessment Policy

- Based on neutrality principle, supportive of all forms of CA
- Efficiently serving present and future needs of international trade
- Seeking increased industry participation in service formulation, governance structure and decision making
- Seeking and adopting best business practices for heightened customer service and satisfaction
- Strengthening relationship, collaboration and cooperation with ISO/CASCO and ILAC/IAF

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## IECEE

- 56 member countries
- CB Scheme:
  - 56 participating countries
  - 74 National Certification Bodies
  - Over 2 500 Manufacturer's Testing Laboratories
  - CB Test Certificates in 2012: 76 154, > 10% increase



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## IECEE

- New product category: INDAT (industrial automation)
  - Strong support from industry
- Workshops
  - Lead and Technical Assessors
  - IECEE-AFSEC
- Upcoming: IECEE Global Motor Energy Efficiency to start using IECEE CB Scheme



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## IECEX

- **31 countries in IECEx Management Committee**  
(ES new member + AE now preparing to join)
- **78 ExCBs (+11 at application stage)**
  - 44 for IECEx Certified Equipment Scheme
  - 14 for IECEx Conformity Mark Licensing
  - 13 for IECEx Certified Service Facilities Scheme
  - 7 for IECEx Certification of Personnel Competence Scheme
- **49 Ex Testing Laboratories**



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## IECEX

- **Well established in Europe, North America and now Asia**
  - 2014 International IECEx Conference in Malaysia
- **Increased use of IECEx by industry, regulators, end users**
- **High demand for IECEx CoPC** (Certificate of Personnel Competence)
- **Formal adoption of IECEx by United Nations via UNECE**
- **New interest from Gulf region**
- **World first – IECEx mobile app**
- **IECEX model used for new IECRE System**

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## IECQ

- 14 members  
(Member Bodies)
- 20 CBs + branches
- Re-engineered structures  
and procedures
- New IECQ 01 Basic Rules as part of  
major overhaul of the System  
and its Schemes



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## IECQ

- New website launched
- Modular approach to IECQ CA services
- In 2013, focus on counterfeit avoidance as  
part of IECQ Approved Process Scheme
  - Fighting counterfeit components and  
assemblies
- Greater use of IECQ ECMP by aviation  
industry
- IECQ HSPM continues to thrive

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## Masterplan implementation - status

- **Systems approach**
- **NC regulators toolkit**
- **Mentoring programme**
- **Market watch workshop**
- **Increased training for NCs**
- **IT consultation round**
- **Roundtable on structured content**

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## Masterplan implementation – going forward

- New revenue streams for NCs and the IEC
- Improvement of NC representation
- Increased training for NCs and TCs
- Outreach to Academia

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**Thank you!**

**Frans Vreeswijk**  
IEC General  
Secretary & CEO

**IEC Council**  
25 October 2013  
New Delhi, India





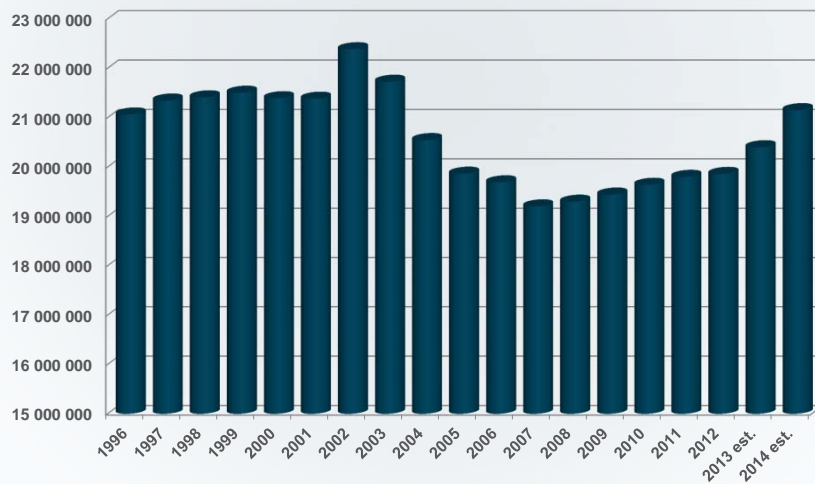
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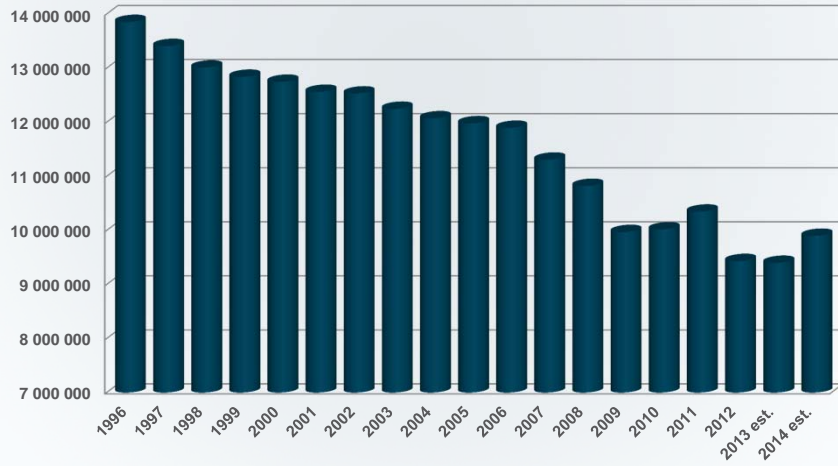


Financial | Global | Technical | Conformity | Masterplan 2011

## Total budget



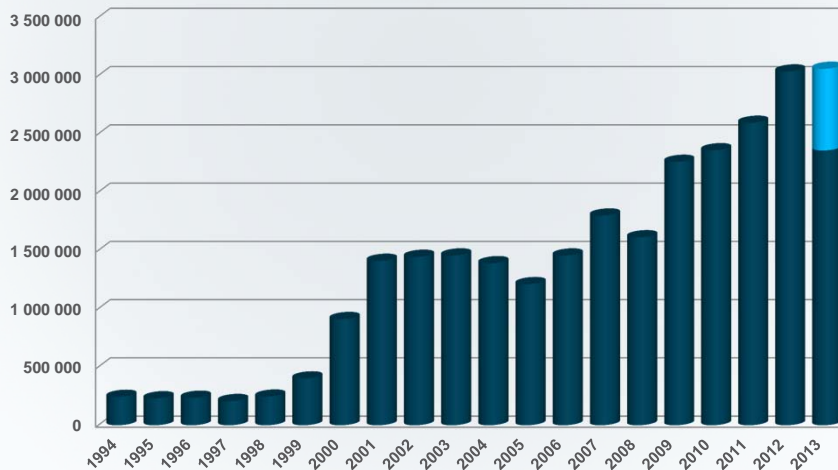
## Total dues



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## Royalties paid to NCs on CO sales



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## Royalties

Total royalties collected (net):

4Q 2012 – 3Q 2013

**CHF 7 246 621**

(+3.9%)

4Q 2011 – 3Q 2012

**CHF 6 974 807**

Royalties from NCs

4Q 2012 – 3Q 2013

**CHF 3 753 304**

+5.8%)

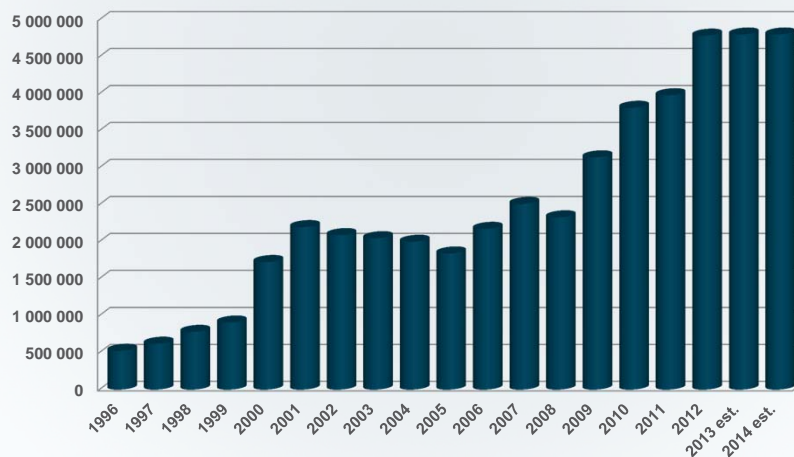
4Q 2011 – 3Q 2012

**CHF 3 548 605**

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## Total royalties paid to NCs



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## Sales of IEC Standards

- Sales of IEC Standards by IEC CO **increased by 1.8%** (2013-09 YTD)
- Royalties paid to IEC CO **increased by 14.1%** (2012 vs 2011)

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## Sales of IEC Standards

Total market 2012 CHF 25 million

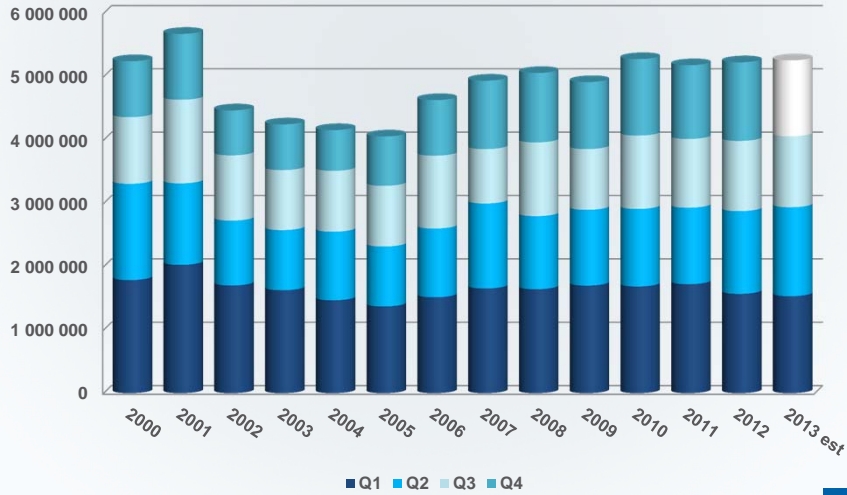
- Overall sales increase 8.1% (2012 vs 2011)
- Split between points of sale 2009-2012



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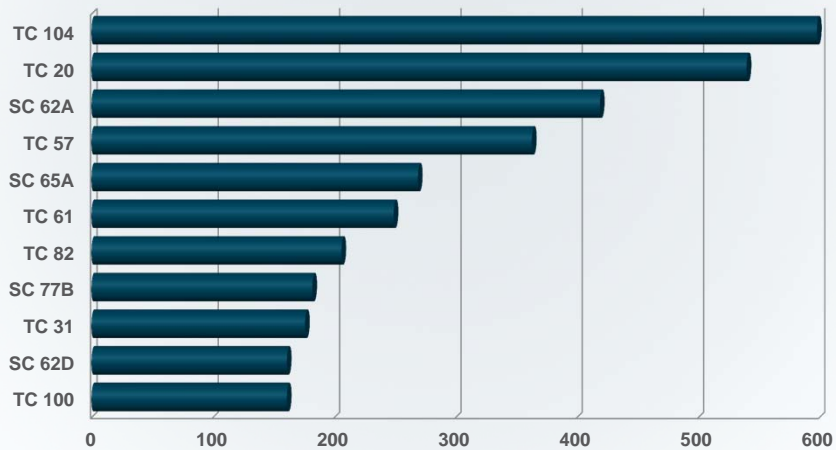
## IEC CO total sales



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## IEC CO sales by TC/SCs

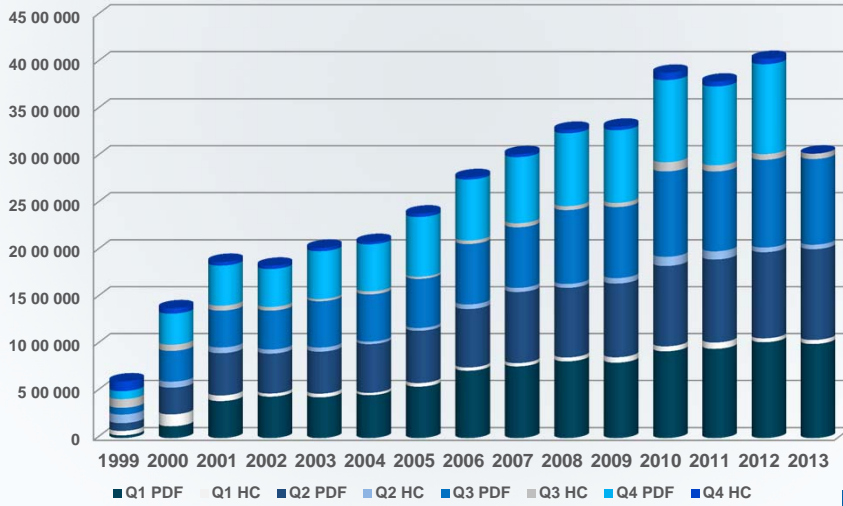


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## IEC CO Webstore sales

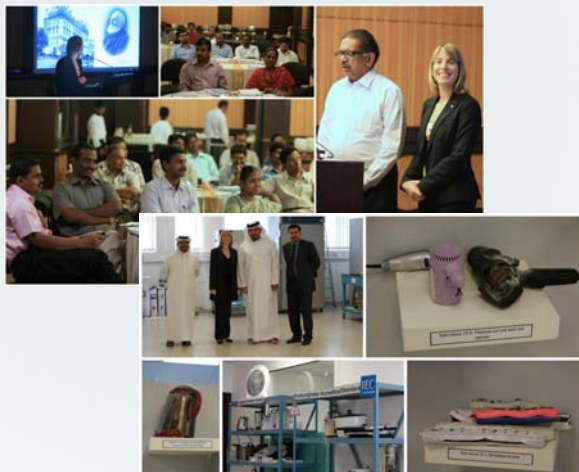


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## Sales roadshow

- USA
- India
- UAE
- China



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## 82 NCs are the IEC



- NCs promote IEC standards and services
- NCs ensure the right parties are represented
- NCs participate at all levels

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## 82 National Committees

ALBANIA (AM)	ESTONIA (AM)	LIBYA	RUSSIAN FEDERATION
ALGERIA	FINLAND	LITHUANIA (AM)	SAUDI ARABIA
ARGENTINA	FRANCE	LUXEMBOURG	SERBIA
AUSTRALIA	GEORGIA (AM)	MALAYSIA	SINGAPORE
AUSTRIA	GERMANY	MALTA (AM)	SLOVAKIA
BAHRAIN (AM)	GREECE	MEXICO	SLOVENIA
BELARUS	HUNGARY	MOLDOVA (AM)	SOUTH AFRICA
BELGIUM	ICELAND (AM)	MONTENEGRO (AM)	SPAIN
BOSNIA-HERZEGOVINA (AM)	INDIA	MOROCCO (AM)	SRI LANKA (AM)
BRAZIL	INDONESIA	NETHERLANDS	SWEDEN
BULGARIA	IRAN	NEW ZEALAND	SWITZERLAND
CANADA	IRAQ	NIGERIA (AM)	THAILAND
CHILE	IRELAND	NORWAY	THE FYR OF MACEDONIA (AM)
CHINA	ISRAEL	OMAN	TUNISIA (AM)
COLOMBIA	ITALY	PAKISTAN	TURKEY
CROATIA	JAPAN	PHILIPPINES	UKRAINE
CUBA (AM)	JORDAN (AM)	POLAND	UNITED ARAB EMIRATES
CYPRUS (AM)	KAZAKHSTAN (AM)	PORTUGAL	UK
CZECH REPUBLIC	KENYA (AM)	QATAR	USA
DENMARK	KOREA, REP. OF	ROMANIA	VIETNAM (AM)
EGYPT	LATVIA (AM)		

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## IEC Mentoring Programme

- **Launched in June 2013 as part of the Masterplan implementation**
- **Objective: Broaden participation at all levels by encouraging well developed NCs to mentor and share their experience with other NCs and Affiliates**

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## IEC Mentoring Programme

- Voluntary participation
- Duration: max. 2 years
- Potential topics (chosen by mentee):
  - Reinforcing stakeholder representation
  - Establishing / Running mirror committees
  - Understanding requirements in IEC IS
  - Adopting IEC IS



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## Mentoring Programme

### Affiliate specificities

- Support to Affiliates with a NEC, priority to Affiliate Plus
- AFF Group 1 – Affiliate Plus: 19 countries
- AFF Group 2 - Potential Affiliate Plus: 21 countries
  - Management level: to reinforce NEC and Mirror Committees
  - Technical level: Mirror committee meetings / Comments / IT tools
  - Adoption training (for AFF Group 2 only)

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## Mentoring Agreements

- **Austria-Rwanda**
  - Mentoring began on 1 September 2013
  
- **Germany-Czech Republic**
  - Mentoring began on 23 September 2013



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## Affiliate Country Programme

- **Successful tool to reinforce the IEC Family**
- **Help developing countries comply with WTO TBT Agreement**
- **83 countries committed**
  - South Sudan in April 2013
  - Saint Kitts & Nevis in September 2013
- **40 have a NEC (National Electrotechnical Committee)**
  - New: Bhutan, Burundi, Cambodia, Gabon
- **10 Affiliates have joined the IEC as Members**

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## 83 Affiliates

### AMERICAS

Antigua and Barbuda  
Bahamas  
Barbados  
Belize  
Bolivia  
Costa Rica  
Dominica  
Dominican Republic  
Ecuador  
El Salvador  
Grenada  
Guatemala  
Guyana  
Haiti  
Honduras  
Jamaica  
Panama  
Paraguay  
Peru  
**Saint Kitts & Nevis**  
Saint Lucia  
Saint Vincent & Grenadines  
Suriname  
Trinidad and Tobago  
Uruguay

### AFRICA

Angola  
Benin  
Botswana  
Burkina Faso  
Burundi  
Cameroon  
Central African Rep.  
Chad  
Comoros  
Congo  
Côte d'Ivoire  
DRC Congo  
Eritrea  
Ethiopia  
Gabon  
Gambia  
Ghana  
Guinea  
Guinea Bissau  
Lesotho  
Madagascar

Malawi  
Mali  
Mauritania  
Mauritius  
Mozambique  
Namibia  
Niger  
Rwanda  
Senegal  
Seychelles  
Sierra Leone  
**South Sudan**  
Sudan  
Swaziland  
Tanzania  
Togo  
Uganda  
Zambia  
Zimbabwe

### ASIA

Afghanistan  
Armenia  
Azerbaijan  
Bangladesh  
Bhutan  
Kyrgyzstan  
Lebanon  
Mongolia  
Myanmar  
Nepal  
Palestine  
Turkmenistan  
Yemen

### ASIA-PACIFIC

Brunei Darussalam  
Cambodia  
Fiji  
Lao PDR  
Papua New Guinea

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## Affiliates – Benefits

- **Affiliates use IEC International Standards at national level**
- **Assistance to establish NECs**
  - Brochures, country visits, webinars
  - Collaboration with IEC Regional Centres
- **Selection of 10 technical fields to access and comment on working documents (up to CDV)**
- **Observers in IEC General Meetings**
  - Attendance as observers in technical meetings

24



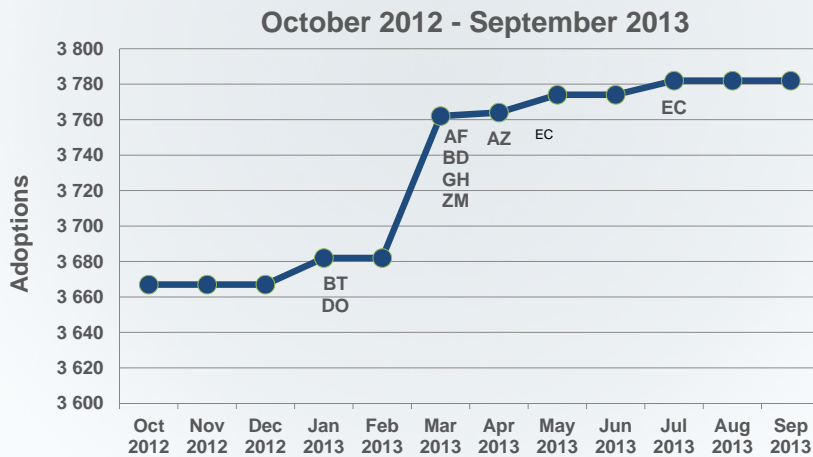
## Affiliates – National adoptions

- Over 3 780 IEC International Standards adopted nationally in 42 developing countries (from 3 650)
  - New: Bhutan, Dominican Republic, Azerbaijan
  - Additional: Afghanistan, Bangladesh, Ecuador, Ghana, Zambia
- 466 adoptions based on IEC 60335 and the safety of household and similar electrical appliances
- 139 adoptions based on IEC 60364 and low-voltage electrical installations
- 94 adoptions based on IEC 60598 and luminaires

25



## Adoptions since Oslo



26



## Affiliates - Participation

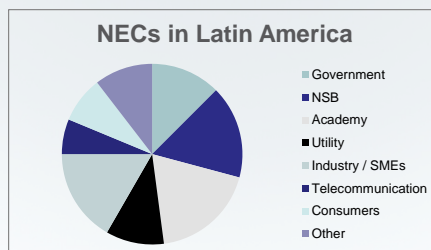
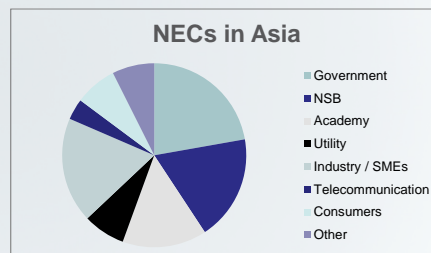
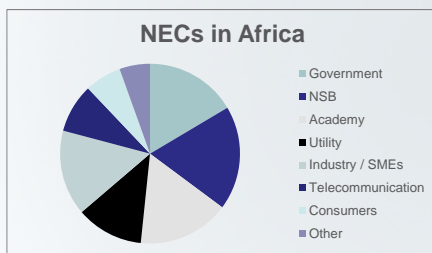
- **39 Affiliate Countries follow the work of Technical Committees/Subcommittees (up to CDV stage)**
  - New: Cameroon, Mauritius
  
- **19 Affiliate Plus**
  - With a NEC and at least 50 adoptions
  - New: Ethiopia and Ecuador
  - Benefits: 400 IEC IS for adoption and priority for the mentoring programme

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## Affiliates – NEC stakeholders

As per September 2013



28

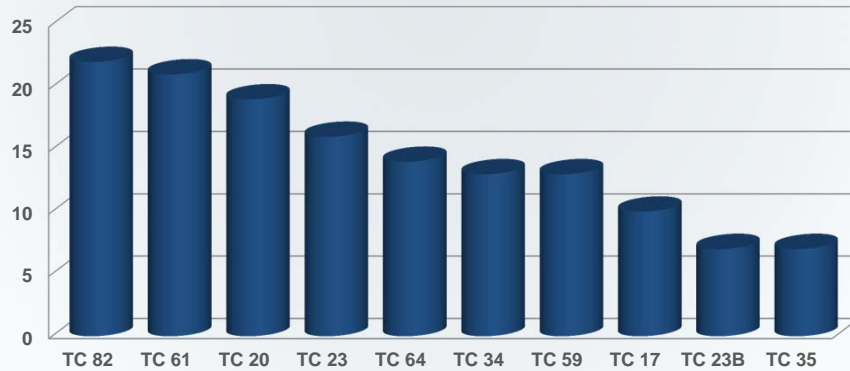




## Affiliates – Top 10 technical fields

As per September 2013

TC selection by Affiliate Countries

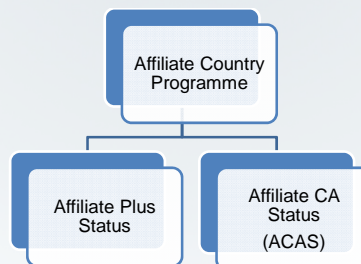


29



## New benefits since Oslo - ACAS

- 2009: Affiliate Plus Status
- 2013: ACAS (Affiliate Conformity Assessment Status)
- Affiliate Country Programme new structure



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## About ACAS

- Based on feedback from 52 Affiliate Countries
- Benefit package to enhance Affiliate participation in IEC CA Systems and recognition of certificates
  - Regional awareness events
  - Documentation and guides on CA at the IEC
  - Webinars (upon request)
  - Learning modules on IEC website and CD-ROMs (under development)
  - Resource database (under development)
  - Active participation in each system, based on prerequisite training conditions

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## Affiliate Leader

- Since June 2011: Phuntsho Wangdi
- Director of BSB (Bhutan Standards Bureau)
- Objective: enable advancements of Affiliate participants in IEC standardization activities and use of Conformity Assessment Systems.
- Leads Affiliate delegations during the GM



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## Affiliate team

- **Coordinator for Latin America:  
Carlos Rodriguez, Costa Rica**
- **Coordinator for Africa:  
Evah Oduor, Kenya**
- **Secretariat in Geneva**



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## Affiliate Forum 2013

- **Chaired by Affiliate Leader**
- **Break out into regional sessions with  
Coordinators and IEC Regional Centers**
  - Participation  
of AFSEC
- **Special session  
on Mentoring**
- **Presentation of  
IT Tools by TISS**
- **Focus on the  
Ethiopian NEC**



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## IEC-APRC

### Making the IEC the home of industry

- Close collaboration with NCs and Affiliates in the region
- Supports awareness seminars to promote IEC as leading platform for international electrotechnical standardization and CA
  - 11<sup>th</sup> JISC/IEC/APSG Human Resource Development Seminar on Standards for Green Society (12/12, APRC)
  - IECEE Seminar (05/13, Vietnam)
  - Seminar on International Standardization for Semiconductor Devices (07/13, APRC)
  - National Seminar on Standardization (10/13, Indonesia)

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## IEC-APRC

### Expanding the audience

- Ongoing, systematic dialogue with regulators of electrical/electronic equipment
- Regular participation in regional APEC and ASEAN fora on standards and conformance
- IEC delegation attends annual PASC meeting

36



## IEC-APRC

- APEC JRAC for Electrical and Electronic Equipment (04/13, Indonesia)
- 7<sup>th</sup> lites.asia (04/13, Indonesia)
- ASEAN JSC EEE (11/12, Indonesia & 05/13, Lao PDR)
- ASEAN ACCSQ (04/13, Malaysia)
- PASC 36<sup>th</sup> Meeting (05/13, Hawaii)
- 7<sup>th</sup> APEC Conference on Good Regulatory Practice (06/13, Indonesia)



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## IEC-APRC

### Raising the market profile

- Participation in, and support of key regional conferences and workshops to promote IEC leadership in specific sectors
  - 2012 International Symposium (11/12, Korea)
  - UN SE4ALL workshop “Towards Universal Energy Access in Asia” (03/13, Cambodia)
  - World Electronics Forum (05/13, Vietnam)
  - IHS Day (07/13, India)
  - Seminar on “Proposal for Promoting Green Development, Advancing Trade Capacity – the New Trend of International Cooperation (09/13, China)
  - UN SE4ALL workshop on “Advancing Energy Access in South Asia” (09/13, India)

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## IEC-APRC

### Development of the IEC family

- Training workshops in Southeast Asia in response to survey on NC needs in the region (04/13)
- Tailor-made agenda for each event
- Around 135 experts, potential experts and secretariat staff participated
  - Jakarta, Indonesia
  - Singapore
  - Manila, Philippines
  - Bangkok, Thailand



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## IEC-APRC

### Development of the IEC family

- Meetings organized with NCs and NECs during APRC visits
  - Cambodia NEC (03/13, Phnom Penh)
  - Secretariat of Lao PDR NEC/Department of Standards and Metrology (05/13, Vientiane)
  - Secretariat of Indian NC/Bureau of Indian Standards (07/13, New Delhi)

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## IEC-APRC

### Hosting of meetings

- APRC serves as venue for meetings
- CAB WG 15 meeting (01/13)
- MSB MDR meeting (01-02/13)
- IECQ meeting (04-05/13)



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## IEC-LARC

### Participation in regional and international events

- Forum ILAC/IAF – JDSC Meeting
  - (Rio de Janeiro, Brazil, 10/12)
- 2012 Latin America Smart Grid Forum
  - (São Paulo, Brazil, 11/12)
- IEC Standardization and IT Tools Training Course with TISS - South America 2013
  - (Brazil - Chile - Argentina, 03/13)



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## IEC-LARC

### Participation in regional and international events

- **COPANT General Assembly**
  - (St. Lucia, 04/13)
- **Canada-Americas Trade Related Technical Assistance Workshop**
  - (St. Lucia, 04/13)
- **IEC Standardization and IT Tools Training Course with TISS - Central America 2013**
  - (Mexico, 06/13)
- **CONCAMIN and COMENOR National Standardization Annual Forum**
  - (Mexico, 06/13)

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## IEC-LARC promotional activities

### Participation in regional and international events

- **Meeting NC and Stakeholders**
  - (Chile - Argentina, 08/13)
- **FINCA 2013 Meeting**
  - (Miami, USA, 09/13)
- **Meeting with potential stakeholders and authorities**
  - (Ecuador – Peru, 08/13)
- **UNECE, IECEX and BRNC Seminar**
  - (Fortaleza, Brazil, 09/13)
- **World Smart Grid Forum 2013**
  - (Berlin, 09/13)



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## World Standards Cooperation (WSC)

- Promote the value of the IEC/ISO/ITU international standardization system (WTO recognition)
- Areas of common interest beyond the three existing communities
  - Academia
  - International and intergovernmental organizations
  - Developing countries
  - Relevant regulators
  - Industries not already aware and engaged

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## World Standards Cooperation (WSC)

- Three-year rolling plan
- WSC Workshops
  - Fully Networked Car 2013
  - Academia Day / ICES 2013
  - North American Roundtable 2013 and 2014
- Proposals for new ways to achieve WSC aims, e.g.
  - Video / brochure / web article
  - Case studies on co-operative work

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## Cooperation with Academia



- ICES (International Cooperation about Standardization) and WSC Academic Day (Sophia Antipolis, France, 06/13)
- WSC Roundtable brought together academics, standardizers, government (Library of Congress, Washington, DC, 06/13)

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## International partners – WTO

- IEC attends TBT Committee meetings as Observer
- IEC reports to TBT Committee (11/12 - 03/13 - 06/13)
- IEC General Secretary spoke at thematic session on standardization (03/13)
- WTO 24 country delegation at IEC CO in Geneva (06/13)



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## UN SE4ALL partnership

- United Nations Sustainable Energy for All initiative
- Launched in 2011
- Sets three objectives for 2030:
  - Universal access to modern energy services
  - Doubling the global rate of improvement in energy efficiency
  - Doubling the share of renewable energies in the global energy mix
- IEC joined in 2013 by facilitating access for developing countries to its standards for rural electrification (IEC 62257 series) with the financial support of IFC (International Finance Corporation)



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## Communications – IEC websites

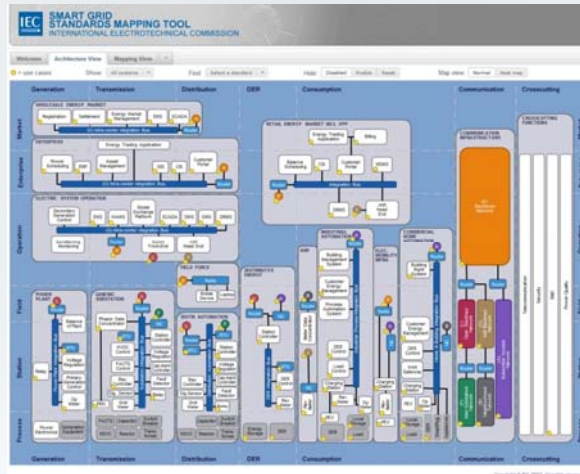
- New IEC website homepage
- myIEC
- Feedback button
- IECQ website



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# Smart Grid Mapping Tool



Fine-tuning of Mapping Tool by IEC web team

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# Communications – IEC e-tech

- Coming soon: App for iOS and Android mobile devices for offline reading
- Topics covered since Oslo:
  - Interrupters & connectors
  - Multimedia & appliances
  - Natural & transient phenomena
  - Transportation
  - Medical equipment
  - Supersmall, superfast
  - Marine & hydro energy
  - Lighting & laser
- Coming up:
  - Smart Grid, Smart Cities
  - Safety and enclosures + GM special



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## Communications – Brochures

- New edition of “Welcome to the IEC”
- Guide for experts:  
Secrets of effective participation
- SME and MME brochures
- Counterfeit brochure  
in several languages



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## Communications – Energy

- Brochure and energy zone on website
- IEC work covers all areas of electrical energy
  - Generation
  - Transmission & distribution
  - Major users
  - Devices
  - Components



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## Communications – Global Visions

### Most recent interviews:

- Goldwind
- LSIS
- NIST
- South African regulator

### We would like to hear from you

- about potential candidates in your countries of companies that have global influence
- about cases histories for SMEs and start-ups for interviews (not Global Vision)



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## Communications – Social media

**LinkedIn**

- more than 10 000 members

**facebook**

- close to 36 000 weekly views

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## Communications – Media

- Articles placed in trade media:
- LED Magazine
- Port Technology
- Facility Managers
- Etc.

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## Communications – Event endorsement

- Achieved prominent placement of IEC logo on a number of event websites
- Inform us of regional or global event so we can contact them to obtain position as event endorser

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## IEC trademark protection

- **IEC logo**
  - Registered in 65 countries, excluding the European Union as one entity
  - Applications pending in 11 countries
- **IEC Words (“International Electrotechnical Commission”)**
  - Registered in 44 countries, excluding the European Union as one entity
  - Applications pending in 7 countries

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## IEC trademark protection

- **Assigned legal advisor in Geneva**
  - Responsible for: registration of IEC trademark in Member States
  - Trademarks renewals, filing oppositions, counsel...
- **Trademark License Letter**
  - Signed by almost all Member States
  - licenses the respective NC to use the logo and names and to be able to issue permissions to any approved third parties

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## Young Professionals

- Future leaders of the IEC
- Ambassadors for your NC
- 2010, 2011 and 2012 YPs have developed:
  - Young Professionals' manual
  - Web discussions on technical and operational topics
  - Reports on business cases for standardization
  - PowerPoint presentation templates
  - Guidelines for national mentoring programmes
  - Proposals on how to engage with academia
- Online IT Tools training courses



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## YP Programme – Outcomes so far

- 211 participants from 40 NCs
- From 2010 - 2012:
  - 51% increased involvement
  - 50% have contacted their NC regarding an equivalent national programme
  - 90% shared knowledge with their workplace
- 12 NC equivalent programmes running or being established

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## YPs – 2013 workshop

- 4<sup>th</sup> workshop
- 55 participants selected by 30 NCs
- 2011 and 2012 Leaders developed and ran parts of the agenda
- Special sessions on the SMB and CAB
- Observation of technical meetings
- 2013 Leaders elected



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## YPs – 2013 workshop

- Feedback on the workshop
  - 98% found the workshop valuable
  - 83% expectations fulfilled
  - 96% plan to get more involved in IEC work



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## YPs – 2013 workshop

- Recommendations from the 2013 participants:
  - IEC national YP programme essential
  - Encourage mentoring
  - Communicate, communicate, communicate

... Follow-up is essential!

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## YP web area

Workshop zone contains:

- Information about background, registration, agenda and speakers
- Profiles of current and past participants
- Information and tools for YPs
- Discussion forum for Young Professionals to share their ideas.



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## Contents

- Financial Report
- Global Reach
- **Technical Work**
- Conformity Assessment
- Masterplan Implementation



Financial | Global | **Technical** | Conformity | Masterplan 2011

## Market Strategy Board

- Integration of large-scale renewable energies into the grid & use of large-scale storage
  - 3rd IEC White Paper published, Oslo 2012-10
- Nanotechnology in the sectors of solar energy and energy storage
  - Technology Report, published now, New Delhi 2014-10
  - Major contributions from Fraunhofer ISI
- Microgrids for disaster preparedness & recovery (MDR)
  - 4th IEC White Paper early 2014
  - Major contributions from CSIRO (Australia)



## Market Strategy Board

- **MSB responsibilities for Masterplan**
  - Technology Trend Study Workshop in Berlin (03/13)
  - Workshop produced “technology radar” for next 20-25 years to be shared with CAB and SMB
- **MSB membership**
  - Seven members end their term on 12/13, having served a maximum of 6 years

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## Market Strategy Board

- **Launch of new project teams on:**
- **Smart Cities**
  - Project leader: Claude Breining (Schneider Electric)
- **Wireless Sensor Networks**
  - Project leader: Dr. Yinbiao Shu (SGCC)

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## Systems activities

- Broad strategic view, work covering broad domains
- SEGs (Systems Evaluation Groups) open to all interested parties
  - SEG Smart Grid (transformation of SG 3)
  - SEG Smart Cities
- SyCs, Systems Committees

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## Key technical development

- TC 120: Electrical Energy Storage (EES) Systems
  - Established, inaugural meeting 07/13
  - Secretariat: Japanese NC
- SC 8A: Grid Integration of Large-capacity Renewable Energy (RE) Generation
  - Established
  - Secretariat: Chinese NC
- Proposal for new TC on Switchgear and controlgear and their assemblies for low voltage
  - Will incorporate SC 17B and SC 17D as subcommittees of this new TC

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## Key technical development

- Proposal for a new technical committee on *UHV AC transmission systems*
- Restructuring of technical committees
  - TC 23, *Electrical accessories*
    - => SC 23C: *World-wide plug and socket-outlet systems*, disbanded, maintenance of its standards transferred to SC 23B
    - => SC 23F: *Connecting devices*, disbanded, maintenance of its standards transferred to TC 23
    - => SC 23K: *Electrical Energy Efficiency products*, established
  - TC 61, *Safety of household and similar electrical appliances*
    - => SC 61E, *Safety of electrical commercial catering equipment*, disbanded, maintenance of its standards transferred to TC 61

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## New IEC template

- To support experts in the development of IEC publications
- New features:
  - outline of a typical International Standard has been inserted into the template
  - mask for easier input of terminological entries
  - new styles to format numbered bibliographies, terminology and other elements
  - buttons to insert new Annexes, Figure and Table titles, and Equations
- User Guide with instructions available on the IEC website

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## TC/SC Officers training

- For new TC/SC Chairmen and Secretaries
- 13 individual or group training sessions at IEC CO and Regional Centres
  - 7 Chairmen
  - 30 Secretaries and Assistant Secretaries
- Training on use of IT tools and website



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## IEC-ReCNA

- First IEC Regional Office
- 3 Technical Officers and 2 Administrative Assistants
- Support to 39 TC/SCs, SMB SG 3, SG 6, Ad Hoc 40, ACTEL and MSB
- Officers training for TCs 15, 35, 37, 61, 72, and SCs 21A, 23G, 31M, 37A, 37B, 61D



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## IEC-APRC

### Technical work

- APRC team holds Secretariat of:
  - ACTAD (Advisory Committee on Electricity Transmission and Distribution)
  - ACEE (Advisory Committee on Energy Efficiency)
- APRC team supports 52 TC/SCs



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## SMB SGs, ACs and Masterplan

- SG 1 transformed into ACEE (Advisory Committee on Energy Efficiency)
- Masterplan Implementation
  - Stakeholder influence
  - Enhanced cooperation between TCs
  - New technologies

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## SMB SGs

- **Strategic Group 3 on Smart Grid**
  - transformed in to a **Systems Evaluation Group (SEG)**
  - will report to the SMB on its findings in **February 2014**
- **Strategic Group 6 on Electrotechnology for Mobility in the process of publishing a Roadmap document on EV standards**

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## TC/SCs

- **TC/SC Chairmen's terms of office limited to a maximum of two terms (6 years + 3 years)**
- **Task force on remote participation in meetings**
- **TC/SCs statistics used to drive structural reorganization in TC/SCs**

80



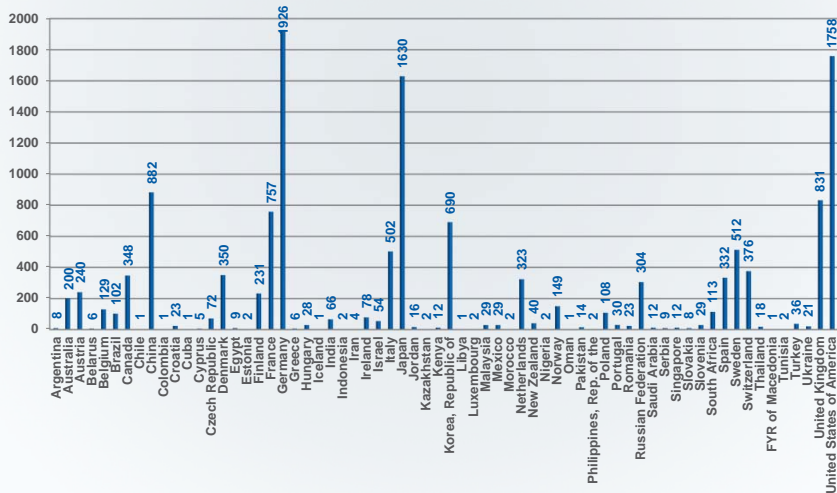
## ISO/IEC JTC 1 on Information Technology

- JTC 1 Chair Karen Higginbottom (US) received the Thomas Edison award at the February SMB meeting.
- Special Working Group on Internet of Things (IoT)
  - To identify market requirements and standardization gaps
  - To coordinate and encourage cooperation across JTC 1 and promote development of IoT standards.
  - To report and make recommendations to JTC 1
- Special Working Group on Management
  - To review and evaluate the organizational effectiveness of JTC 1 and to make recommendations
- New JTC 1 website hosted by IEC [www.jtc1info.org](http://www.jtc1info.org)
  - Outwardly focused, publicly available website to share and promote the good works that JTC 1 is achieving

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## Participation of experts in IEC work



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## IEC Publications

### Published

2012-10 to 2013-09 **475 (451)**

### Publications in library

2013-09-30 **6 894 (6 637)**

83



## IEC Publications

### Time to market

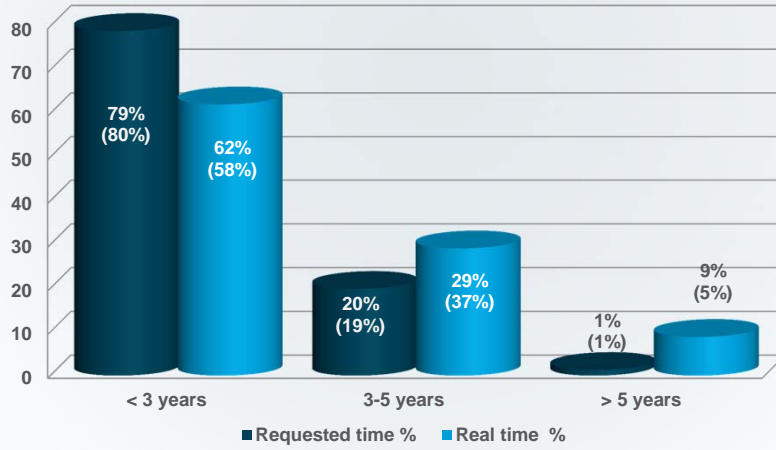
- The Fastest:
  - < 1 year: **39 (42)**
  - 1-2 years: **108 (98)**
- The Slowest:
  - 5-6 years: **24 (12)**



84



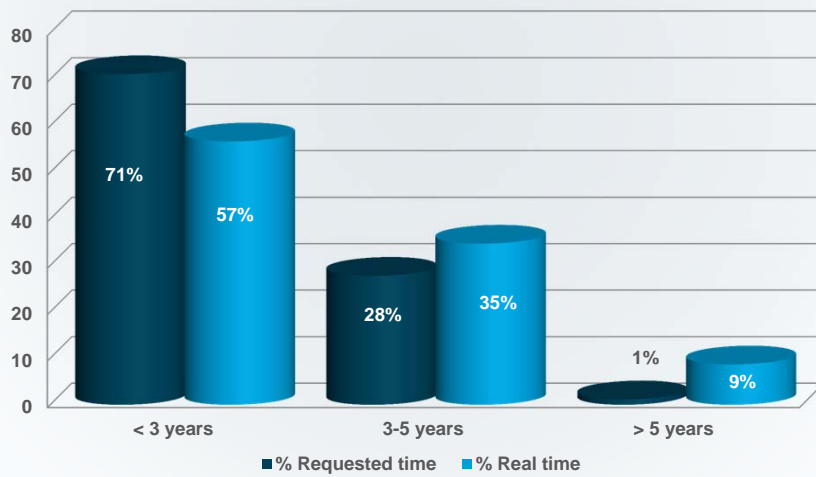
## Development time for publications



85



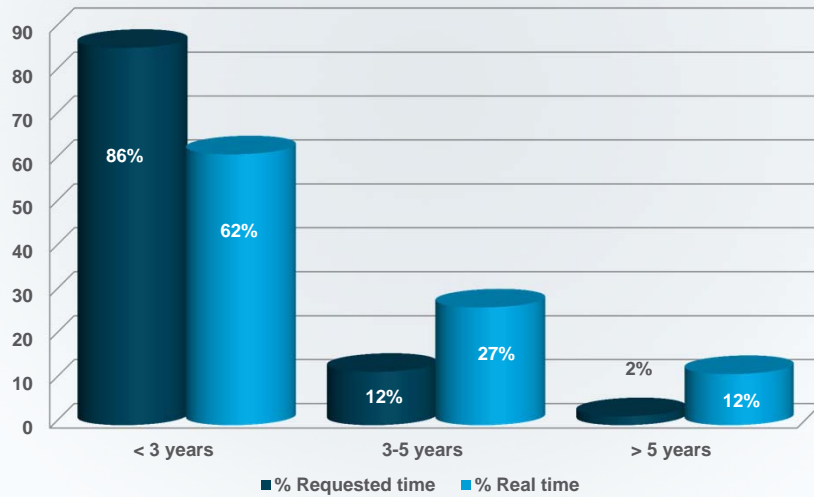
## By industry: General electrotechnology



86



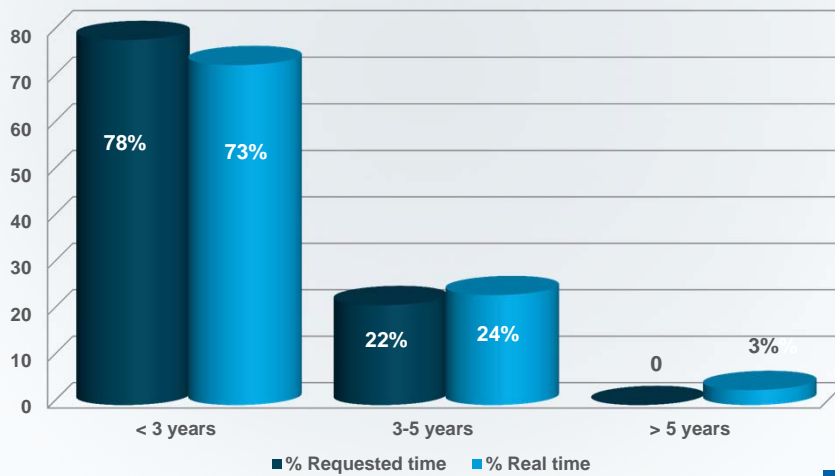
## By industry: Electronics



87



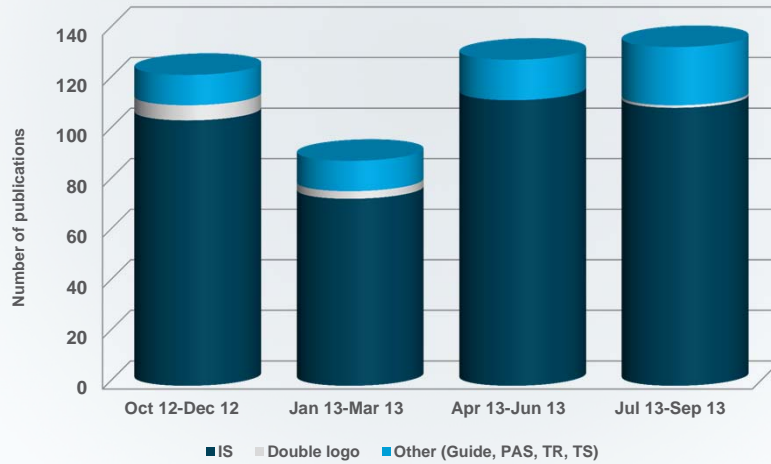
## By industry: Safety, meas., cons. goods



88



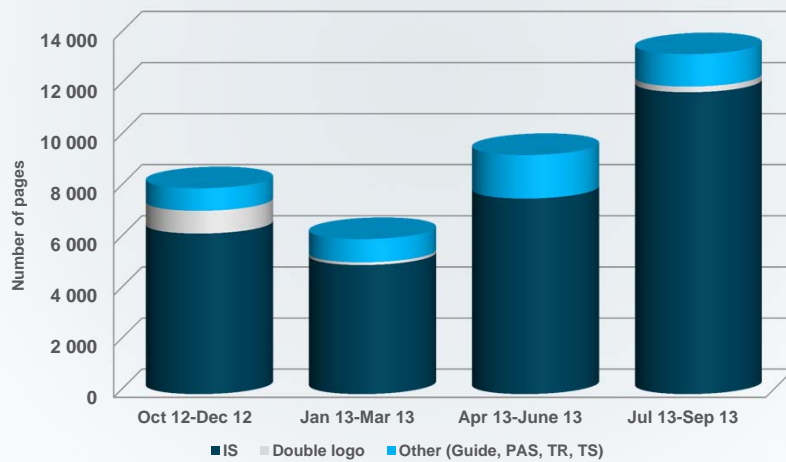
## Production of publications: Documents



89



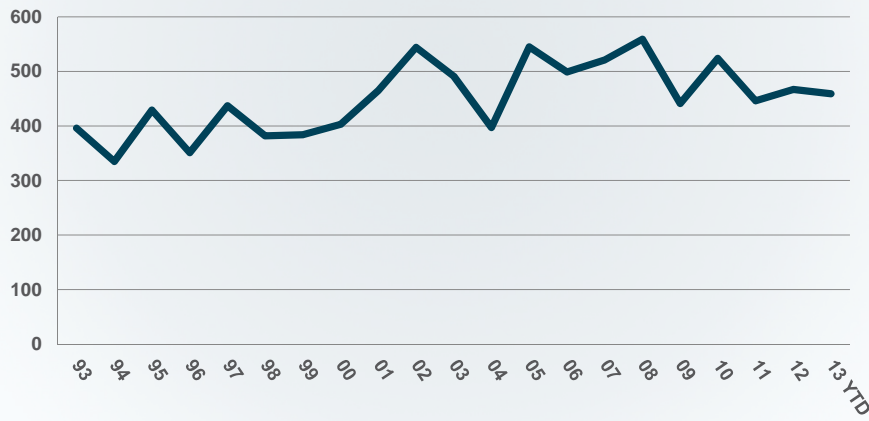
## Production of publications: Pages



90



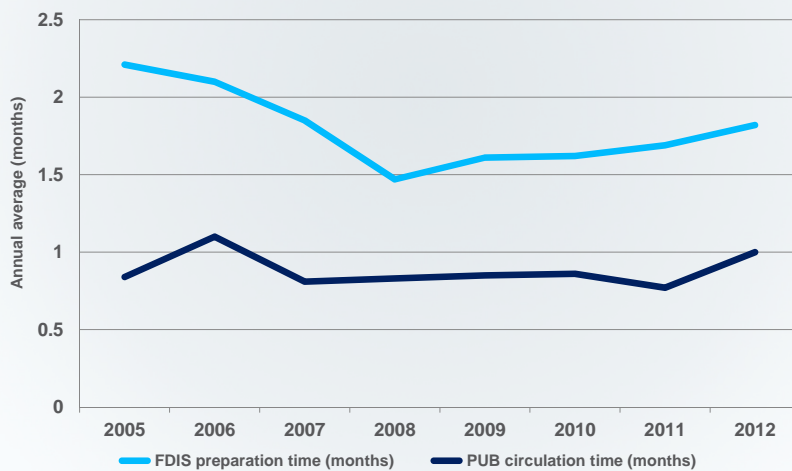
## Number of publications (1993-2013)



91



## Average time in months for FDIS and IS

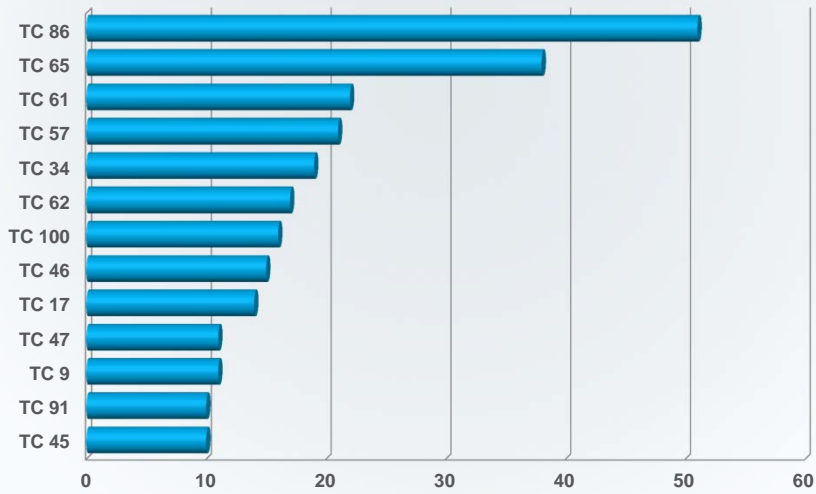


92





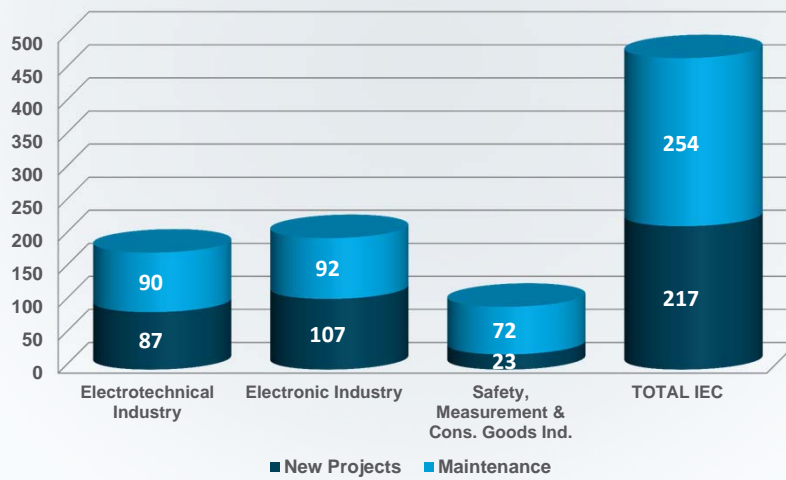
## Production: Publications by TCs



93



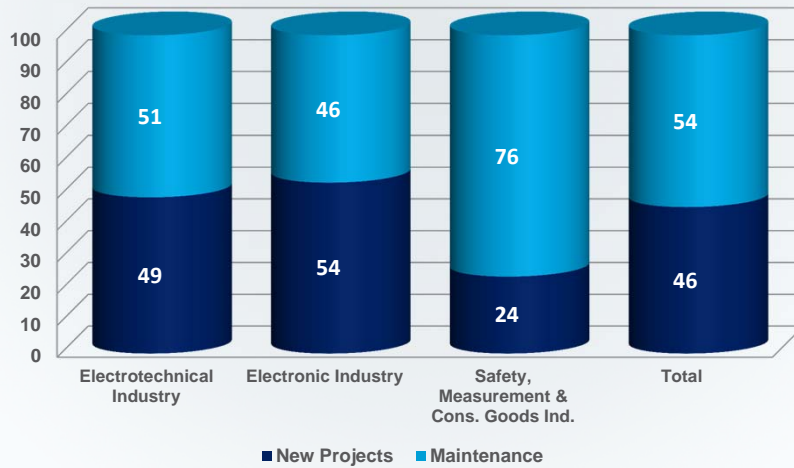
## Publications by sector



94



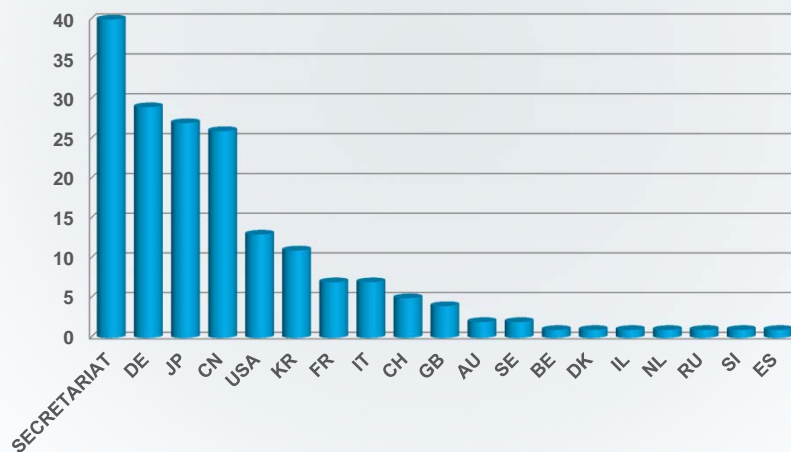
## Publications by sector in %



95



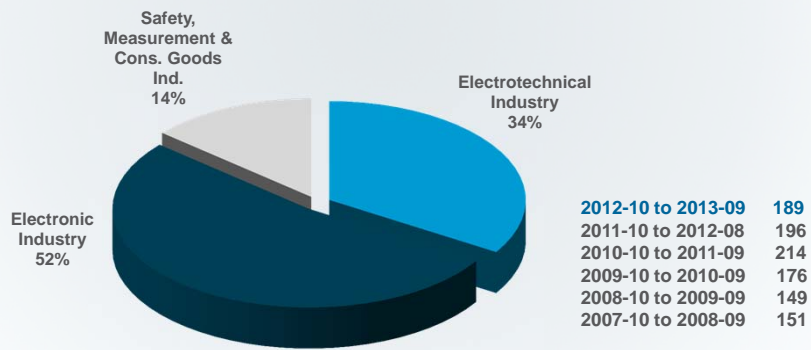
## New proposals for standards



96



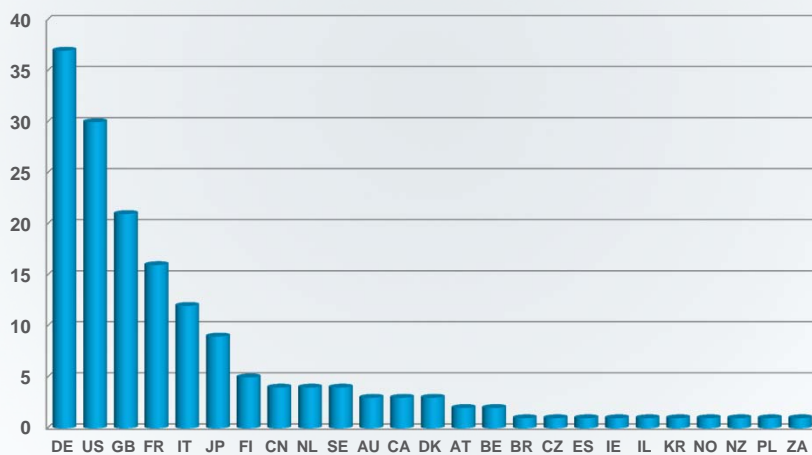
## New proposals for standards (by industry)



97



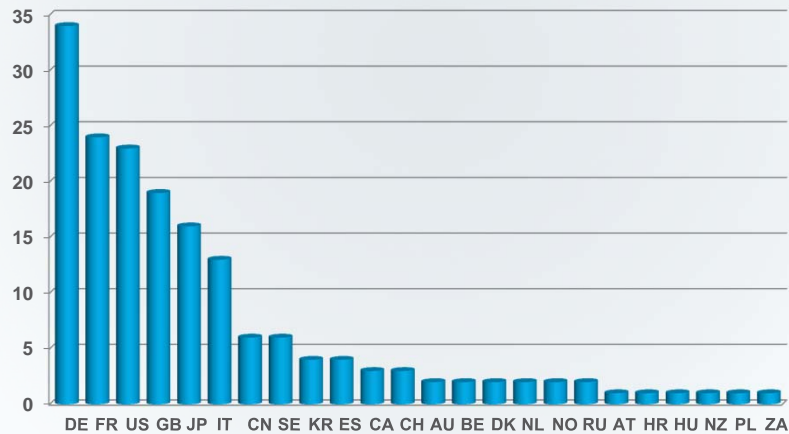
## Distribution of TC/SC Chairs



98



## Distribution of IEC TC/SC Secretariats



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## IEC Technical Services

### IEC Business Unit

- Business Analysis and project management creating new Tools
- International Workshops and Training Sessions
- Improving existing tools based on feedback by IEC community
- Daily support to IEC community

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## IEC Technical Services

### Information and Guides

- Creation of guides
- Secretary Survival Kit
- Administrative Circulars related to IEC tools
- IEC tools newsletter



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## IEC Technical Services

### Statistics 2013

- ~3000 support cases per year
- 30 workshops and training sessions given in 19 countries
- 4 new IEC applications created and realized
- IEC National Consultations 2013

### Team

- 1 coordinator
- 1 assistant (60%)

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## IEC National Workshops

### Contents

- Introduction to the IEC
- Standardization processes and strategy
- National participation and adoption
- Roles and responsibilities
- Electronic tools and services
- IEC news and actual development
- Workshop with the participants



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## IEC National Workshops 2013

- Argentina
- Belgium
- Brazil
- Chile
- Mexico
- Indonesia
- Philippines
- Thailand
- Singapore
- Sweden
- Kenya
- Germany
- Korea
- Japan
- China
- Denmark
- Norway
- Finland

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## IEC National Workshops 2014

- Canada
- USA
- Mexico
- Colombia
- Chile
- Italy
- Spain
- South America
- Australia
- New Zealand
- Russian Federation
- Belarus
- Poland
- Hungary
- China
- India

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## NCs using IT tools



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And of course:



## New services

- Personalized myIEC
- Public commenting
- New webconferencing services
- Expand use of collaboration tools by NCs

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## Publications & value-added products

- IEC reference syntax:
  - Using date of release, not edition number as key component of the reference
  - Aligning our referencing system with common practice codes to allow proper identification
- Electropedia: development process improved, allowing content extractions on the fly
- Publications in Russian: 1 200 available by end 2013

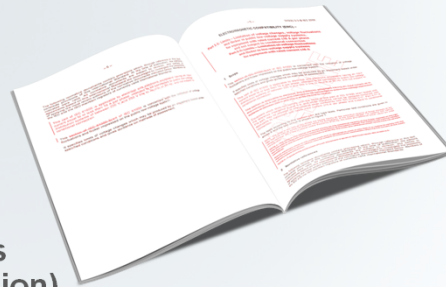
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## Publications & value-added products

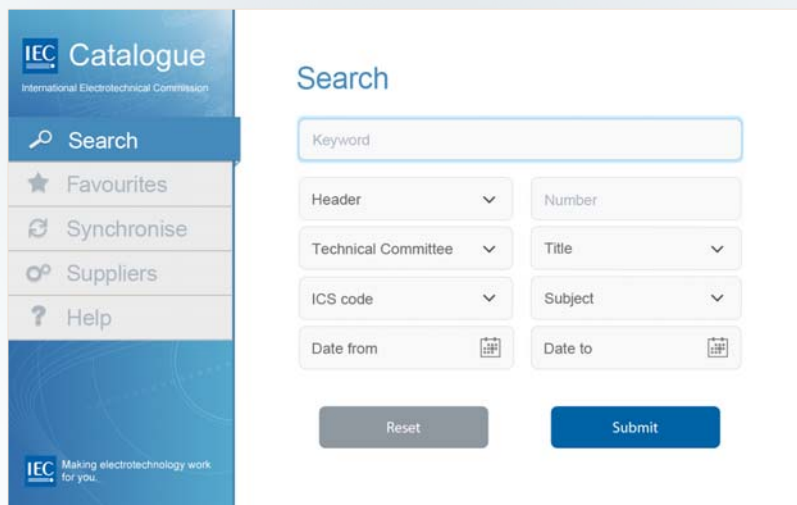
- Value-added products – Consolidated editions
  - Package includes two versions of the technical contents
  - Existing version with changes highlighted (Redline version)
  - Version with all changes accepted (the Final version)
  - Consolidated editions generate 17% of IEC CO revenues



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## IEC Catalogue



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## New IT services

- Access to Word files of CDVs for translation and public inquiry purposes
- myIEC role-based customizable portal for easy access to relevant links on IEC web site
- Feedback form on IEC web site

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## New IT services

- Collaboration Tools support for additional national mirror committees (Belgium, Chile, Mexico)
- Systems Work dashboards on IEC web site
- New IEC data feeds (revisable CDVs, list of WGs with experts)

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## **New IT services**

- **Desktop/mobile application for IEC Catalogue**
- **Mobile application for IECEx certificates**
- **IECQ new dynamic web site**
- **CENELEC electronic voting and commenting system**

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## **IT projects under development**

- **Public commenting on CDVs**
- **Submission interface for IEC drafts**
- **New web conferencing solution**

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## IT projects under development

- IECEE Global Database and dynamic web site
- New IEC web store (improved ergonomics, order history, customer alerts for new editions)
- New tools for web-based standards development, publishing and content distribution

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## Contents

- Financial Report
- Global Reach
- Technical Work
- **Conformity Assessment**
- Masterplan Implementation



## Conformity Assessment developments

- All Systems growing and financially sound
- New CA System for Renewable Energies (IECRE) to be created in response to demand from the wind turbine, marine energy and PV solar market sectors
- Affiliate Conformity Assessment Status (ACAS) accepted and progress made in the creation of learning tools and other features
- Brochure for *Product Piracy and Counterfeit Parts* now published in English, Finnish, French, German, Korean, Portuguese, Russian and Spanish

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## Conformity Assessment development - CAB

- Masterplan Implementation Plan is progressing under CAB WG 10
- CAB restructuring proposed by CB to reflect needs of anticipated and recent growth in activities and services
- A review and streamlining of IEC CA policy is underway together with a harmonization of the Systems' Basic rules
- CAB WGs advancing on tasks as varied as:
  - Systems approach to CA
  - Guidance on global energy efficiency labeling
  - Review of IEC CA governance and structure

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## Conformity Assessment Policy

- Efficiently serving present and future needs of international trade
- Seeking increased industry participation in service formulation, governance structure and decision making
- Seeking and adopting best business practices for heightened customer service and satisfaction
- Strengthening relationship, collaboration and cooperation with ISO/CASCO and ILAC/IAF
- Outreach to and cooperation with regional centers such as AFSEC, ASEAN, EEC and others

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## IECEE



- 56 member countries
- CB Scheme:
  - 56 participating countries
  - 74 National Certification Bodies
  - Over 2 500 Manufacturer's Testing Laboratories
  - CB Test Certificates in 2012: 76 154, > 10% increase

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## IECEE – New documentation

- **Restructuring and streamlining of**
  - **Basic Rules**
  - **Rules of Procedure and Particular Rules of Procedure**
  - **Operational Documents**
- **IECEE better equipped to meet challenges in the next two decades**

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## IECEE – New developments

### Industrial automation

- **Launch of a new product category INDAT to cover Functional Safety in Industrial Automation**



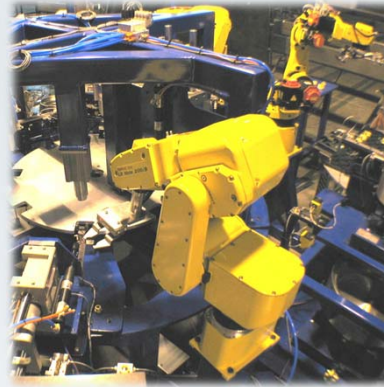
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## IECEE – Exploring developments

### Industrial automation

- Strong support from industry participating in TC 65 work for expanding into Functional Security and Certification of Personnel



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## IECEE and international organizations

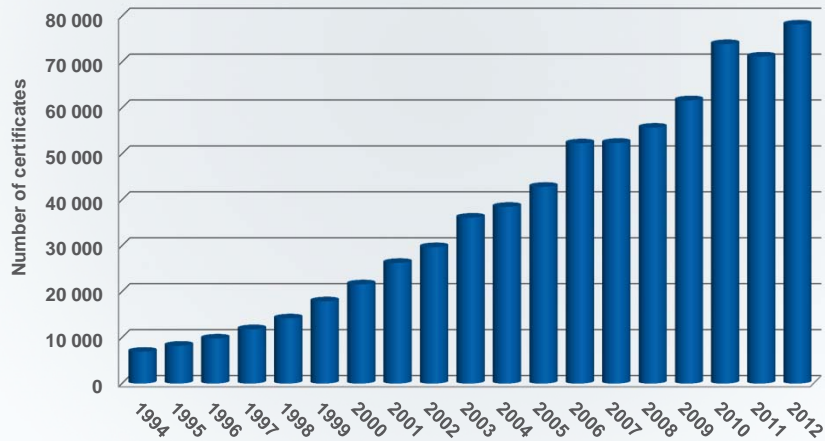
- ACOS
- APEC
- ASEAN
- COPANT
- IAF
- ILAC
- ITU
- OIML
- UNIDO
- UNECE
- WTO

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## IECEE Certificates issued



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## IECEE – Training & Workshops

- **Training course for Lead and Technical Assessors**
  - September 2013 Geneva, Switzerland
- **Workshop for Afililiate Countries**
  - August 2013, Nairobi – Kenya

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## IECEE upcoming launch

- **IECEE Global Motor Energy Efficiency to start using the IECEE CB Scheme**



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## IECEX



- **31 countries in IECEX Management Committee**  
(ES new member + AE now preparing to join)
- **78 ExCBs (+11 at application stage)**
  - 44 for IECEX Certified Equipment Scheme
  - 14 for IECEX Conformity Mark Licensing
  - 13 for IECEX Certified Service Facilities Scheme
  - 7 for IECEX Certification of Personnel Competence Scheme
- **49 Ex Testing Laboratories**

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## IECEX – Strength and growth

- Increased use of IECEX by industry, regulators, end users in contractual arrangements
- Industry (manufacturers + users) and regulators have majority seat on IECEX Management Committees
- High demand for new IECEX CoPC (Certificate of Personnel Competence).
- Completed Expansion of Services Scheme to cover installations, inspection, maintenance

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## IECEX – Strength and growth

- Formal adoption of IECEX by United Nations via UNECE in 2011 continues to drive interest in IECEX
  - Endorsement confirms credibility
  - UN publication now published in English, French, Arabic, Chinese, Spanish, Portuguese
- Impressive Annual growth continues (28.2% increase in issued Reports + Certificates)



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## IECEX – Industry relevance

- Building on new interest from the Gulf Region
  - IECEX Dubai Conference a major success (03/12)
  - Joint IECEX/UN Technical Paper Presented at European Petroleum Conference, Prague June 2012 + Gulf Conference Abu Dhabi (11/12)
  - IECEX to Present at February 2014 (PCIC ME) Petroleum Conference in Abu Dhabi

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## IECEX – Industry relevance

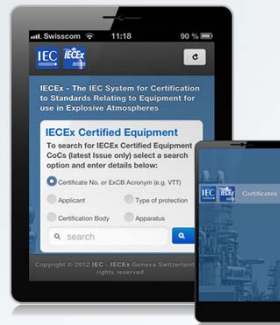
- IECEX testing and certification well established in Europe, North America and now Asia
  - 19+20 Feb 2014 International IECEX Conference planned for Kuala Lumpur see [www.iecex.com](http://www.iecex.com)
- Instant checking of certification claims via IECEX Online Certificate System
  - One location, ALL Certificates, full public access
- IECEX provides complete coverage
  - Testing and certification of equipment
  - Certification of Ex related services [eg Installation / Inspection / Maintenance / Repair]
  - Certification of persons to verify competence

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## IECEX – Industry relevance

- Growth in IECEX Unit verification
  - custom-designed products and assemblies in limited numbers
- Now preparing to include suit of new series of “non” electrical standards (prepared by IEC SC 31M ) under IECEX coverage
- World First IECEX Smart Phone/PAD App
- IECEX Model being used for new IEC Renewable Energy Conformity Assessment System



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## IECQ

- 14 members (Member Bodies)
- 20 CBs + branches
- Re-engineered structures and procedures
- New IECQ 01 Basic Rules as part of major overhaul of the System and its Schemes



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Financial | Global | Technical | **Conformity** | Masterplan 2011

# IECQ – New website launched

IEC IECQ INTERNATIONAL ELECTROTECHNICAL COMMISSION  
QUALITY ASSESSMENT SYSTEM FOR ELECTRONIC COMPONENTS (IECQ)

FAQs | Sitemap | Contact us | Webstore

About IECQ | News | Members & Experts | Certification & Approval | Publications | Working Groups | Events & Meetings

News / Communications

**Life and property on the line**  
IECQ CAP battles counterfeit components

**MEMS tested and certified by IECQ**  
Little components do more and are smaller

**Hearts are not meant to be broken**  
IECQ components help to advance artificial hearts

**Avionics aims to manage green issues**  
How the avionics industry limits the use of lead in its components

**IECQ Brochures**  
IECQ Assured Quality in the Electronics Industry  
IECQ Approved Component Scheme  
IECQ Approved Process Scheme



**IECQ**  
The IECQ is a worldwide approval and certification system for covering the supply of electronic components and associated materials and assemblies and processes. It uses quality assessment specifications that are based on International Standards prepared by the International Electrotechnical Commission (IEC).  
Find out more about IECQ

**Tools**

- IECQ On-line Certificates System
- IECQ On-line Training Certificates System
- IECQ Certification Bodies
- IECQ Rules & Procedures
- IECQ Operational Documents
- IECQ Standard Forms
- ISO/IEC 14908-1 Unique Node IDs Application and Assignment

**Upcoming Events**


- 2013-03-13 IECQ WG 04, United States
- 2013-03-19 Electronica 2013, China
- 2013-04-30 IECQ Annual Meetings, Singapore
- 2013-10-08 Tailtronics 2013, Taiwan
- 2013-10-13 electronicAsia, Hong Kong

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Financial | Global | Technical | **Conformity** | Masterplan 2011

# IECQ provides consolidation

- **Modular approach to IECQ CA services to cover**
  - Components that meet specifications
  - Component-related processes, e.g. ESD (Electrostatic Discharge)
  - Avionic components and assemblies supply chain
  - Processes related to Hazardous Substance Management
  - Counterfeit Avoidance Measures

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## IECQ outlook

- **New Chairman Mrs Elisabeth d'Ornano of France from January 2014**
- **All IECQ CA Schemes use online certificates of conformity**
- **Cost-effective solution to manage supply chain, especially for critical components, assemblies and services.**
- **2013 Focus on Counterfeit Avoidance as part of the IECQ Approved Process Scheme**

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## IECQ outlook

- **Extending IECQ services to the aviation industry**
  - Greater use of ECMP (Electronic component Management Plan), e.g. Boeing, Airbus Systems to combat counterfeit parts
- **Continue to serve the IECQ HSPM (Hazardous Substance Process Management) demand**
- **Future focus on fighting counterfeit components and assemblies**



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- **Masterplan Implementation**



Financial | Global | Technical | Conformity | Masterplan 2011

## Masterplan implementation - status

- Systems approach
- NC regulators toolkit
- Mentoring programme
- Market watch workshop
- Increased training for NCs
- IT consultation round
- Roundtable on structured content

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## Masterplan implementation – going forward

- New revenue streams for NCs and the IEC
- Improvement of NC representation
- Increased training for NCs and TCs
- Outreach to Academia

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**Thank you!**

**Frans Vreeswijk**  
IEC General  
Secretary & CEO

**IEC Council**  
25 October 2013  
New Delhi, India

