





Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

IEC Affiliate Country Programme

Françoise Rauser
Affiliate Country Secretary
UPDEA May 2007

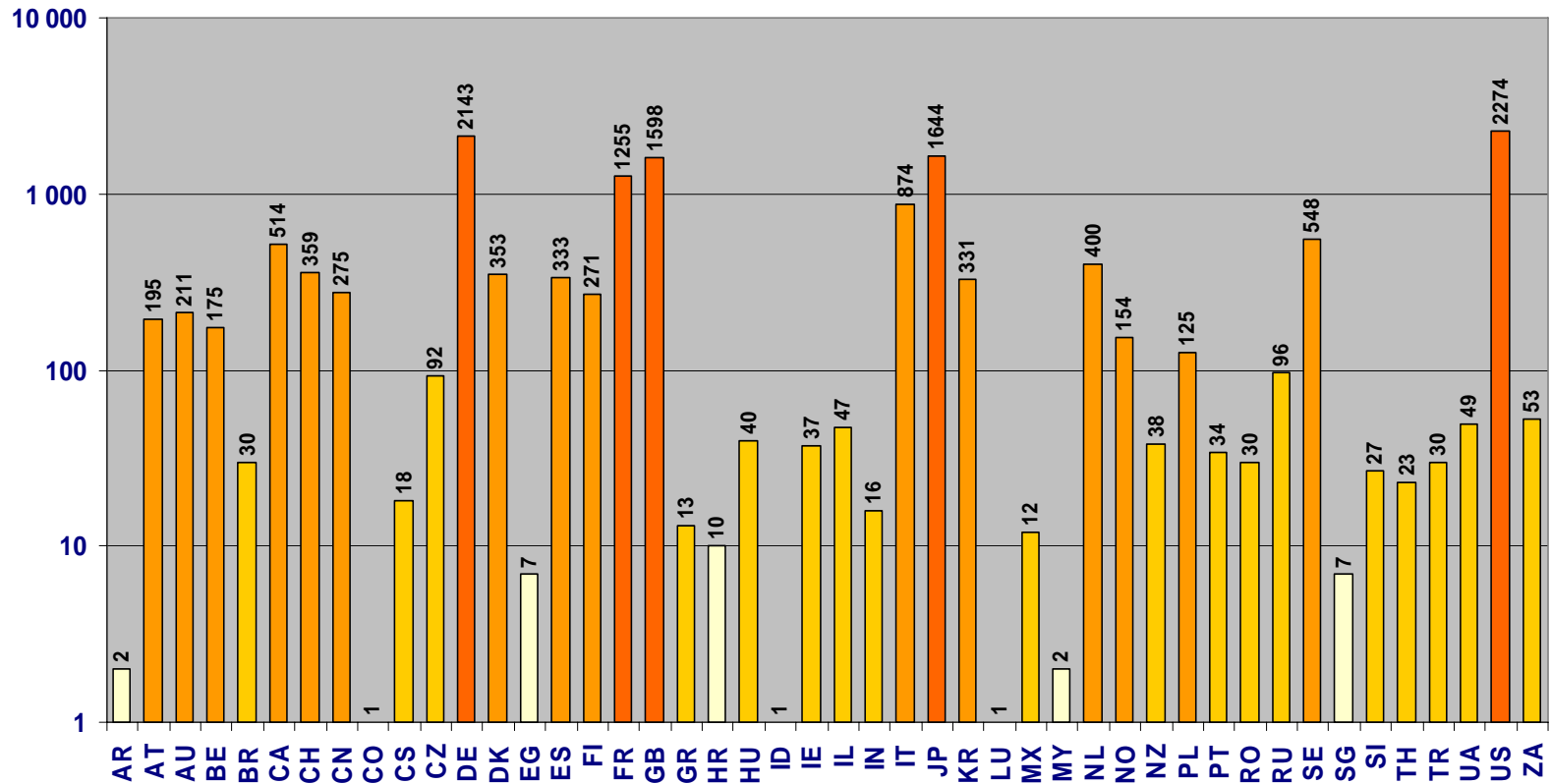


Types of Participation

- ▶ IEC Members are National Committees
 - ▶ Membership: one member per country
 - ▶ Total members: 68, of which 17 are Associate members

- ▶ To increase participation of developing nations: IEC Affiliate Country Programme (75 countries).

NC Participation in IEC TCs/SCs



History of the Affiliate Programme

- ▶ In 2001 IEC had stable membership (since 1906!), but membership requirements was 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

WTO backs the IEC

- ▶ **WTO Director General Mike Moore in 2001:**
“The WTO TBT Agreement encourages WTO Members to use international standards and to participate in their preparation...I welcome the creation of the IEC Affiliate Country Programme which could offer a means to increase participation of developing countries in the elaboration of IEC standards.”

A 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
- ▶ Guidance on **IEC CA schemes**
- ▶ Attendance to TC meetings during GM
- ▶ A **secretariat**, a **website**, a **leader**

http://www.iec.ch/affiliates

IEC - About the IEC | IEC Affiliate Country Programme - Microsoft Internet Explorer

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Address <http://www.iec.ch/affiliates/>

IEC

IEC-ACP

[ABOUT THE IEC](#) [IEC IN ACTION](#) [CONFORMITY ASSESSMENT](#) [STANDARDS DEVELOPMENT](#) [FOR MEMBERS AND EXPERTS](#) [WEB STORE SEARCH](#)

IEC Programme for developing countries

WHAT'S RELATED

- List of IEC Members
- List of ACP Participants
- IEC-APRC
- IEC-ReCNA
- IEC international and regional partners
- Organizations and TC/SC liaisons

version française

SEARCH THE SITE

WEB STORE

- Search & buy standards
- Download area
- Customer Service Centre

IEC Affiliate Country Programme

- What is the Affiliate Country Programme about?
- Benefits of the Programme
- Who is the Affiliate Country Leader?
- Affiliate Country Programme News
- Affiliate Country Programme Flyer

The Affiliates and the IEC

- Introduction to the IEC
- IEC International Standards and other publications
- Adoption of IEC International Standards
- Adoptions by country
- Getting to know your Technical Committees
- IEC Conformity Assessment Schemes
- Feedback from General Meetings

External relations

- The IEC and the World Trade Organization (WTO)
- The ISO/IEC Information Centre

A new leader

- ▶ Affiliate Leader: Carlos Rodríguez
Executive director of Instituto de Normas Técnicas de Costa Rica (INTECO)
- ▶ Voice of Affiliates within IEC
- ▶ Back-up from Affiliate Secretariat to
 - ▶ Enhance participation and adoption of standards
 - ▶ Present common position for Affiliates
 - ▶ Guidance on Conformity Assessment
- ▶ Regular dialogue with Affiliates (Newsletter)



Affiliate Newsletter



Newsletter Affiliate Country Programme

December 2006

EDITORIAL

Newsletters have been far and few between this year, but this does not mean that nothing has been happening with the Programme. On the contrary, this year has been the best one ever. Four new countries signed the Pledge: Togo, Bhutan, Niger and Guinea-Bissau, which shows that French speaking African countries are now really on board. Nigeria became an IEC Associate Member, proving that the Affiliate Programme can be a springboard for countries wishing to join the IEC. The number of Affiliates adopting IEC International Standards has increased from 7 to 19, with almost 2 000 IEC International Standards now used as a basis for national regulations or as national standards, with more to come.

In September a new Leader, Carlos Rodriguez, was appointed to succeed to Mesai Girma who had led the Programme since 2003. Mr Rodriguez has been INTECO (Instituto de Normas Técnicas de Costa Rica) Executive Director since 1996 and, among other positions he also holds, is on the Board of Directors of the Ente Costarricense de Acreditación, the official Costa Rican accreditation body. Carlos Rodriguez represented all Affiliates at the last IEC 70th General Meeting and is sharing his experience with us in this Newsletter.

About Carlos: http://www.iec.ch/online_news/etech/arch_2006/etech_0906/interv.htm

Françoise Rauser, IEC Affiliate Country Programme Secretary

AFFILIATE LEADER

"The last week in September I had a totally new experience: I attended an IEC General Meeting for the very first time as newly appointed Leader of the Affiliate Country Programme. And it was not just the 70th GM, but the celebration of the IEC centenary.



The day I arrived in Berlin I already felt that I was going to experience quite a week. My confidence grew when Françoise introduced me to Chris Agius, Secretary of IEC conformity assessment schemes IECEX and IECCQ, and, after exchanging a few words with him, he concluded: "Welcome to the family".

Meeting my Affiliate colleagues for the first time on Sunday evening 24th September was very gratifying. Sharing views with representatives from countries as different as Lebanon, Tanzania or Kyrgyzstan, to mention just a few, was a lifetime experience. It proved that overall we have the same dreams and projects for our respective countries and have in common that we see in the IEC a support to realize some of those dreams or objectives.

On Monday 25th, I stood before the Standardization Management Board (SMB) to present an update on the Affiliate Country Programme. Thanks to the good work done before I joined, the results of the Programme were very well received. I got the feeling that my presentation was warmly acknowledged, particularly from the Chairman, Frank Kitantides, whom I had met before at ISO, COPANT and CANENA meetings.

100 years
The electric century

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Conformity Assessment issue

- ▶ *“Recognizing that developing countries may encounter special difficulties in the formulation and application of technical regulations and standards and procedures for assessment of conformity with technical regulations and standards, and desiring to assist them in their endeavours in this regard.”*
- ▶ **CAB Guide**

CA Guide for Affiliates

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

First edition
2005-10

**Guidelines to Conformity Assessment for
developing countries participating in
the IEC Affiliate Country Programme**



Reference number
CA Guide for Affiliates:2005

How can Affiliate Countries use IEC CA Schemes?

- ▶ Ensure any national or regional regulations call for the relevant IEC CA scheme certificate or approval
- ▶ Ensure purchasing & tender documents call for IEC CA scheme certificates in order to prove compliance with IEC International Standards
- ▶ Keep up to date with latest IEC CA scheme developments and service offering
- ▶ Contact the relevant IEC CA scheme secretariat for assistance

IEC Assistance in conformity assessment

- ▶ WTO/TBT Different approaches to conformity assessment (Geneva)
- ▶ CA Guidelines for Affiliates: French version 07
- ▶ On line guidance
- ▶ CA workshop during GM

Results - Using IEC standards

- ▶ **Use of Standards:** 6800 in use by 51 countries
- ▶ **In Africa**
 - ▶ 3180 IEC International Standards
 - ▶ Used in 25 countries
 - ▶ 11 countries still not using the Affiliate Country Programme

Africa best sellers

- ▶ Cables (IEC 60227)
- ▶ Switches for household installations (IEC 60669)
- ▶ Plugs and sockets (IEC 60884)
- ▶ Lead-acid batteries (IEC 60095)
- ▶ Primary batteries (IEC 60086)
- ▶ Electrical installations of buildings (IEC 60364)
- ▶ Power transformers (IEC 60076)
- ▶ Electric cables Conduits for electrical installations (IEC 60614)
- ▶ Insulating materials of electric and optical cables (IEC 60811)
- ▶ Test methods for electric cables (IEC 60885)

Results - Adopting IEC standards

- ▶ **Adoption:** Key issue in 2006
 - ▶ March 2006: 208 in 8 countries
 - ▶ March 2007: 2146 in 25 countries
 - ▶ Adoptions on line: <http://www.iec.ch/affiliates>

- ▶ **In Africa**
 - ▶ 1100 IEC IS used as national standards
 - ▶ 13 countries



IEC Adoptions in Africa

Benin	170	Nigeria	57
Botswana	56	Rwanda	33
Congo DRC	52	Senegal	8
Côte d'Ivoire	48	Sierra Leone	27
Ethiopia	196	Uganda	110
Ghana	131	Zimbabwe	5
Malawi	200		



Declaration of Adoption

DECLARATION OF ADOPTION

International Electrotechnical Commission
 Attn: Françoise Rautser
 3, rue de Varembe
 PO Box 131
 CH-1211 Geneva 20
 SWITZERLAND

2007-xx-xx

Subject: Declaration of Adoption of IEC International Standards

Dear IEC General Secretary,

In xxxx capacity as a participant in the IEC Affiliate Country Programme and in full authority of my organization,

I hereby declare that, under the terms of the IEC Affiliate Country Programme adoption procedure (200 free adoptions), the following IEC International Standards have been adopted as national standards in accordance with ISO/IEC Guide 21 and, as such, under xxx law may then be referred to in national laws or regulations:

IEC International Standard Adopted as National standard (see attached list)
 IEC 90xxx YY zzzz

If the National Standards fail to be referenced in national laws or regulations within 10 years, then this declaration shall become null and void.

SUPPLEMENTARY CLAUSE (IN CASE OF TRANSLATION)

In addition, I hereby declare that the above IEC International Standards (see attached list) have been translated into the national language and that each translated version is an accurate translation of the IEC original publication.

In line with the adoption procedure, I would request that electronic files of the adopted IEC International Standards be sent to my office at your earliest convenience.

Yes No

Yours sincerely,

SIGNATURE

ORGANIZATION

NAME

TITLE

Adopted Standard: Malawi

INTERNATIONAL STANDARD **MS IEC 60227-1**

Edition 2.2
1998-03

Edition 2:1993 consolidated with amendments 1:1995 and 2:1997

**Polyvinyl chloride insulated cables
of rated voltages up to and including
450/750 V –
Part 1:
General requirements**

This English-language version is derived from the original bilingual publication by leaving out all French-language pages. Missing page numbers correspond to the French-language pages.

 Reference number
IEC 60227-1:1993+A1:1995+A2:1997(E)

MS IEC 60227-1 :
This IEC International Standard has been adopted by Malawi Bureau of Standards as a national standard under the IEC Affiliate Country Programme


Adopted standard: CONGO DRC

NORME INTERNATIONALE **OCC CEI**
INTERNATIONAL STANDARD **OCC IEC**
60614-2-1
Première édition
First edition
1982-01

OFFICE CONGOLAIS DE CONTRÔLE

Spécifications pour les conduits pour installations électriques –
Partie 2:
Spécifications particulières pour les conduits –
Section 1: Conduits métalliques

Specification for conduits for electrical installations –
Part 2:
Particular specifications for conduits –
Section 1: Metal conduits



Numéro de référence
Reference number
CEI/IEC 60614-2-1:1982

OCC IEC 60614-2-1 :
This IEC International Standard has been adopted by Office Congolais de Contrôle (OCC) as a national standard under the IEC Affiliate Country Programme

Results - Participation in IEC technical work

- ▶ **Access to specific technical committees: 27**
 - ▶ Eritrea questions on IEC 60027/TC20
- ▶ **Access to documents: 220** Affiliate experts with passwords
 - ▶ Africa: 95 in 21 countries
- ▶ Affiliate delegation attending **TC meetings** during General Meeting
 - ▶ 13 delegates attended 19 TC meetings

Most popular work in Africa

- ▶ TC 61: Safety of household equipment
- ▶ TC 20: Electric cables
- ▶ TC 23: Electrical accessories
- ▶ TC 17: Switchgear and controlgear
- ▶ TC 34: Lamps
- ▶ TC 59: Performance of household electrical appliances
- ▶ TC 64: Protection against electric shock
- ▶ TC 82: Solar photovoltaic energy systems

Other fields of interest in Africa

- ▶ TC 35: Primary cells and batteries
- ▶ TC15: Solid electrical insulating materials
- ▶ TC32: Fuses
- ▶ TC81: Lightning protection
- ▶ TC66: Safety of measuring, control and laboratory equipment
- ▶ TC 14: Power transformers

International Cooperation

- ▶ ***Joint Committee on co-ordination of technical assistance to Developing Countries in Metrology, Accreditation and Standardization (JCDCMAS)***
- ▶ ***Building corresponding technical infrastructures to support sustainable development and trade in developing countries and countries in transition***

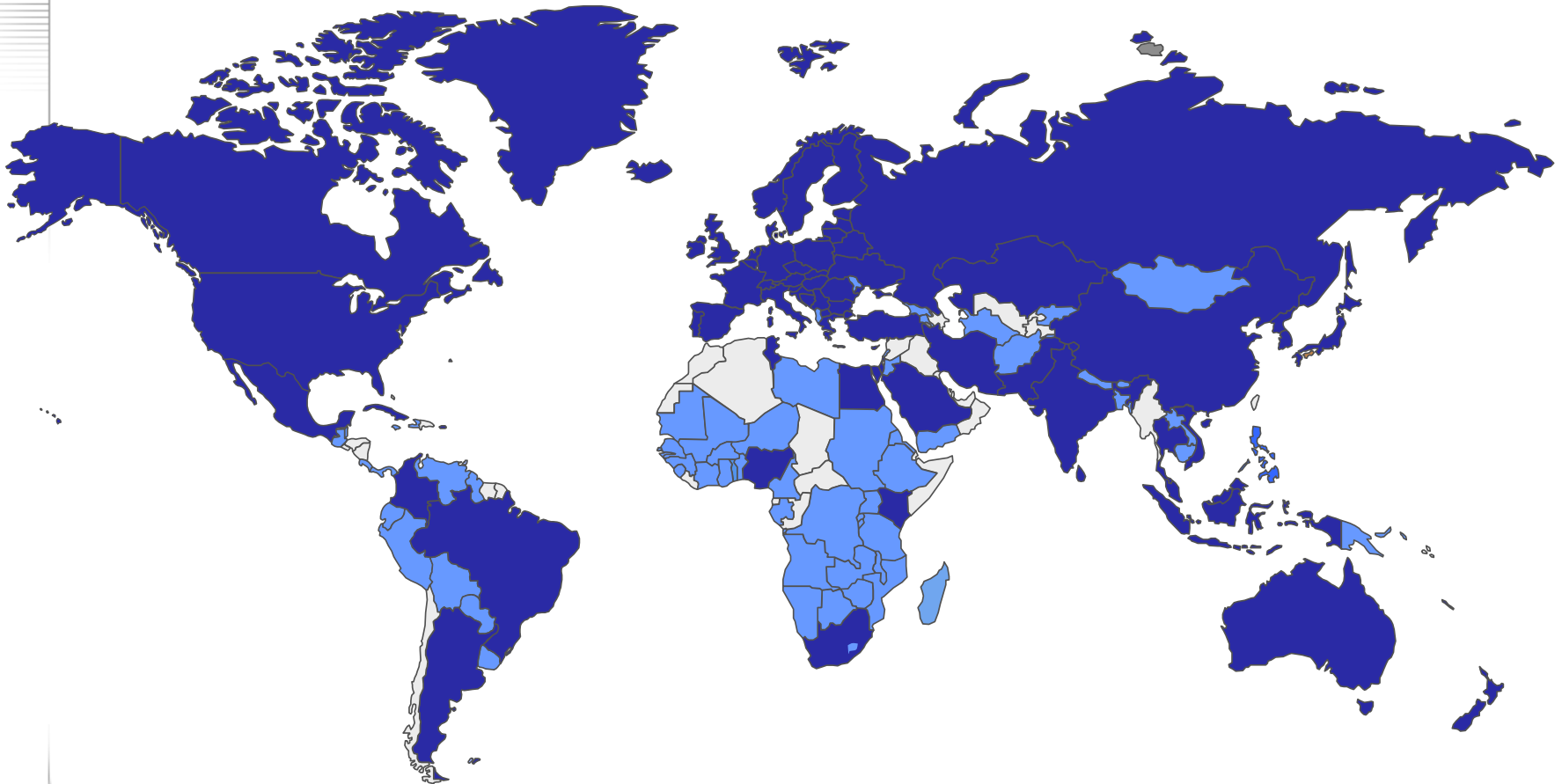
JCDCMAS Members

- ▶ Bureau International des Poids et Mesures (BIPM)
- ▶ International Accreditation Forum (IAF)
- ▶ International Electrotechnical Commission (IEC)
- ▶ International Laboratory Accreditation Co-operation (ILAC)
- ▶ International Organization for Standardization (ISO)
- ▶ International Trade Centre – UNCTAD / WTO (ITC)
- ▶ Telecommunication Standardization Bureau of ITU (ITU-T)
- ▶ International Organization of Legal Metrology (OIML)
- ▶ United Nations Industrial Development Organization (UNIDO)

Potential springboard to membership

- ▶ 2004: Kazakhstan
- ▶ 2005: Macedonia, Kenya
- ▶ 2006: Nigeria
- ▶ 2007: Cuba
- ▶ Request from Zambia

IEC family: 143 countries



36 Affiliates and 5 potential ones

AFRICA

Angola
Benin
Botswana
Burkina Faso
Burundi
Cameroon
Chad
Comoros
Congo
Congo DRC
Côte d'Ivoire
Djibouti
Eritrea
Ethiopia
Ghana
Gabon
Guinea
Guinea Bissau
Gui. Equatorial

Lesotho
Liberia
Libya
Madagascar
Malawi
Mali
Mauritania
Mauritius
Mozambique
Namibia
Niger
Rwanda
Senegal
Seychelles
Sierra Leone
Sudan
Swaziland
Tanzania
Togo
Uganda
Zambia
Zimbabwe

African national electrotechnical committees

- ▶ IEC Members: Egypt, Kenia, Nigeria, South Africa and Tunisia
- ▶ In Affiliate countries
 - ▶ Côte d'Ivoire
 - ▶ Ghana
 - ▶ Niger
 - ▶ Senegal
 - ▶ Sierra Leone
- ▶ On the way
 - ▶ Algeria
 - ▶ Uganda
 - ▶ Madagascar
 - ▶ Zimbabwe

Objectives 2007-2008

- ▶ **More national electrotechnical committees**
- ▶ **Leader commitment to increase technical participation**
- ▶ **Familiarization in Asia-Pacific**
- ▶ **Latin America Regional Centre**
- ▶ **Monitoring AFSEC**
- ▶ **Training on a regional basis**
- ▶ **Near future: a regional centre in Africa**



Conclusion

- ▶ IEC not just an organization but a family and a partner
- ▶ Electrotechnology a growing part of world trade, underpinned by international standards
- ▶ IEC International Standards and Conformity Assessment Schemes facilitate trade
- ▶ Affiliate Programme is operational but remains flexible

Participation means real benefits

IEC Affiliate Country Programme *is* making a difference

Any questions?
Thank you

