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

![Bar chart showing participation in IEC TCs/SCs for different countries.](chart.png)
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**
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)**
EDITORIAL

Newsletters have been few and far 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 Affiliate 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 Neural Girma who had led the Programme since 2003. Mr Rodriguez has been INESC (Instituto de Nomas Tecnicas de Costa Rica) Executive Director since 1996 and, among other positions he also holds, is on the Board of Directors of the Americas chapter of IEC TC 80. Mr Rodriguez has 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_newsletters/arca_2006/ricard_0606/intex.htm

Françoise Rausch: 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 GMM, 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 country assessment schemes (CCX and IEC), 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 28th September was very gratifying. Sharing views with representatives from countries as different as Lebanon, Tanzania or Kyrgyzstan is (to mention just a few), was a lifetime experience. I 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 these dreams or objectives.

On Monday 29th 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 well received. I got the feeling that my presentation was warmly acknowledged, particularly from the Chairman, Frank Kitzelides, whom I had met before at ISO, CEPANT and CANENA meetings.
“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
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](http://www.iec.ch/affiliates)

- **In Africa**
  - 1100 IEC IS used as national standards
  - 13 countries
## IEC Adoptions in Africa

<table>
<thead>
<tr>
<th>Country</th>
<th>Adoption Count</th>
<th>Country</th>
<th>Adoption Count</th>
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<td>Malawi</td>
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# Declaration of Adoption

**DECLARATION OF ADOPTION**

International Electrotechnical Commission  
Attn: François Rassier  
3, rue de Varembé  
PO Box 131  
CH-1211 Geneva 20  
SWITZERLAND  
2007-xx-xx

Subject: Declaration of Adoption of IEC International Standards

Dear IEC General Secretary,

In xxx 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 (ADO/Free adoption), 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:

<table>
<thead>
<tr>
<th>IEC International Standard Adopted as National standard (see attached list)</th>
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<tbody>
<tr>
<td>IEC 60xx</td>
</tr>
<tr>
<td>YY 20zz</td>
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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.

If 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 3.3
1999-03

Edition 2.1E05 consolidated with amendments 1.1E05 and 2.1E07

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

Malawi Bureau of Standards

HS 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

09/07/2007
Adopted standard: CONGO DRC
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
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