Activities of African countries in IEC technical committees

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IEC Affiliate Country Programme & International Liaisons

IEC in Africa: 47 countries

IEC family keeps growing in Africa

- 8 Members
  - 4 Full Members: Algeria, Egypt, Libya, South Africa
  - 4 Associate Members: Kenya, Morocco, Nigeria, Tunisia
- 39 Affiliate Countries on the continent
- 7 new countries since AFSEC inauguration
  - Full members: Algeria and Libya (ex Affiliate) in 2008
  - Associate member: Morocco in 2010
  - Affiliates: Central African Republic, Chad, Congo and Gambia in 2008
IEC national adoptions - Members

- 3 IEC African NCs reported national adoptions
- Kenya: 531
- Nigeria: 74
- South Africa: 884
- Others to report

IEC national adoptions - Affiliates

- Benin: 170
- Botswana: 75
- DRC: 52
- Côte d'Ivoire: 48
- Eritrea: 21
- Ethiopia: 196
- Ghana*: 204
- Malawi: 200
- Mauritius: 30
- Rwanda*: 88
- Senegal: 8
- Sierra Leone: 27
- Sudan: 7
- Uganda*: 110
- Zambia*: 84
- Zimbabwe: 16

National adoptions: top 6 in Africa

- IEC 60884 – Plugs and sockets (SC 23B)
- IEC 60227 – Polyvinyl chloride insulated cables (TC 20)
- IEC 60335 – Safety of household electrical appliances (TC 61)
- IEC 60669 – Switches for household installations (SC 23B)
- IEC 60086- Primary batteries (TC 35)
- IEC 60095 – Lead-acid starter batteries (TC 21)
Rights of IEC Participants

<table>
<thead>
<tr>
<th>Full Members</th>
<th>Associate Members</th>
<th>Affiliates</th>
</tr>
</thead>
<tbody>
<tr>
<td>May submit votes on all TC/SC and Council documents via electronic voting system</td>
<td>May submit votes/comments on documents of 4 selected TC/SCs via electronic voting system</td>
<td>May not vote</td>
</tr>
<tr>
<td>May submit comments on all TC/SC and Council documents</td>
<td>May submit comments only on TC/SC documents but not on Council documents</td>
<td>May submit comments on the documents of 16 selected TC/SCs by e-mail</td>
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<tr>
<td>Fully participate in international standardization activities</td>
<td>Limited participation of countries with limited resources</td>
<td>A type of participation, but not membership</td>
</tr>
</tbody>
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Technical committees: how they work

- Technical committees (TC) and subcommittees (SC) are made up of
  - a secretariat
  - a chairman
  - members, which are the national committees (NC)
- All NCs are free to take part in the work of any TC, either
  - actively (P-members), carrying the obligation to vote on drafts and to attend meetings; or
  - as observers (O-members), with a right to vote on FDIS

Technical participation/ IEC Members

- Algeria: TC 20, TC 82
- Egypt: 37 TC/SCs + O-status in 8 TC/SCs
- Kenya: SC17D, TC21, TC35, TC 82
- Nigeria: TC 44, TC 77, TC 82
- South Africa: 67 TC/SCs + O-status in 51 TC/SCs
- Tunisia: TC 20, TC 23, TC 61, TC 77
Technical participation/ Affiliates (1)

- Angola: 82
- Benin: 17, 17D, 20, 23, 37, 61, 61C, 61D, 64, 82
- Botswana*: 20, 23, 34, 59, 61, 81, 82
- Côte d’Ivoire: 17, 20, 23, 32, 34, 35, 59, 61, 64, 81, 82
- DRC: 2G, 3, 13, 17, 23, 34, 35, 64, 66, 82
- Ethiopia: 20, 21, 23B, 34, 35, 59, 61, 64, 66, 99
- Gabon: 23B, 23E, 34A, 61
- Gambia: 7, 18A, 20, 21, 23, 23B, 61, 61C, 64, 82
- Ghana: 59, 61, 82

Technical participation/ Affiliates (2)

- Malawi: 15, 20, 21, 23, 32, 34, 35, 61, 81, 82
- Rwanda: 8, 13, 17, 20, 23, 32, 34, 46, 59, 61, 82
- Senegal: 17, 20, 23, 34, 35, 61, 64, 82
- Seychelles: 61, 66
- Sierra Leone: 15, 16, 20, 22, 32, 46, 59, 70, 108, 82
- Sudan: 2, 7, 17, 20, 23, 26, 35, 61, 100, 82
- Tanzania*: 14, 17, 20, 22, 34, 35, 61, 64, 79, 82
- Uganda: 17, 20, 23, 34, 35, 59, 61, 64, 81, 82
- Zambia: 20, 46
- Zimbabwe: 14, 15, 17, 20, 23, 34, 36, 59, 61, 64

Top 10 IEC technical fields in Africa (1)

- TC 61: Safety of household and similar electrical appliances (50 countries)
- TC 23: Electrical accessories (46 countries)
- TC 34: Lamps (29 countries)
- TC 59: Performance of household and similar electrical appliances (18 countries)
- TC 17: Switchgear and controlgear (15 countries)
Top 10 IEC technical fields in Africa (2)

- TC 20: Electric cables (15 countries)
- TC 21: Secondary cells and batteries (14 countries)
- TC 36: Insulators (12 countries)
- TC 32: Fuses (8 countries)
- TC 108: Safety of electronic equipment (8 countries)

Affiliates are getting involved

- 12 national electrotechnical committees (NEC) established
- Côte d’Ivoire, Gambia, Ghana, Mauritius, Niger, Rwanda, Senegal, Sierra Leone, Sudan, Uganda, Zambia and Zimbabwe
- First comments on
  - IEC 62257 – Rural electrification
  - IEC 60884 – Plugs and sockets
  - IEC 61000-2-2 – Electromagnetic compatibility / Environment

Participation General Meeting/Members

- Egypt: 7
- Libya: 4
- Nigeria: 7
- South Africa: 9
- Tunisia: 1
Participation in General Meeting/ Affiliates

- Burundi: 1
- Cameroon: 1
- Congo: 1
- Ghana: 6
- Guinea: 1
- Malawi: 1
- Namibia: 3
- RDC: 3
- Rwanda: 2
- Senegal: 2
- Sudan: 4
- Swaziland: 2
- Uganda: 1
- Affiliate Coordinator for Africa (Kenya)

Next steps for AFSEC

- Establish IEC mirror committees
- Share resources to work on IEC projects
- Share resources to adopt IEC Standards
- Harmonization, if necessary
- For Africa to bring a larger contribution to the IEC family
Get Africa on board

- Asia and Latin America are already there
- What about Africa?
- We are at a starting point, and
- IEC will be on AFSEC’s side along the way
- But how can IEC help?
- Let’s move together to get Africa on board
- IEC needs your feedback NOW…

Thank you

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