IEC

Standardization & Conformity Assessment

Focus on Kyrgyzstan

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Executive Assistant
Office of the General Secretary

UNECE Steering Committee on Trade Capacity and Standards

Geneva - 2015-09-01
global reach
83 members  83 affiliates
98% of world population
96% of electricity generation
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83 Affiliates and 11 potential

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

AFRICA
Angola
Benin
Botswana
Burkina Faso
Burundi
Cameroon
Chad
Comoros
Congo
Côte d’Ivoire
DRC Congo
Djibouti
Equatorial Guinea
Eritrea
Ethiopia
Gabon
Gambia
Ghana
Guinea
Guinea Bissau
Lesotho
Liberia
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
Kyrgyzstani
Lebanon
Maldives
Mongolia
Myanmar
Nepal
Palestine
Syria
Tajikistan
Turkmenistan
Uzbekistan
Yemen

ASIA-PACIFIC
Brunei Darussalam
Cambodia
Fiji
Lao PDR
Papua New Guinea
Solomon Islands
Samoa
Tonga

IEC
## Membership and Affiliation

<table>
<thead>
<tr>
<th>60 Full Members</th>
<th>23 Associate Members</th>
<th>83 Affiliates</th>
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</table>
| May submit votes on *all* TC/SC and Council documents via electronic voting system | May submit votes/ comments on documents of 4 selected TC/SCs via electronic voting system | May not vote  
No membership |
| May submit comments on all TC/SC and Council documents | May submit comments only on TC/SC documents but not on Council documents | May submit comments on the documents of 10 selected TC/SCs by e-mail |
| Fully participate in international standardization activities | Limited participation of countries with limited resources | A type of participation, but *not* membership |
| Full access to IS for adoption and for commercial exploitation | Full access to IS for adoption and for commercial exploitation | Selection of 200 IS to start basic electronic library. Facilitated adoption procedure |
global knowledge platform
14,000 experts
>170 TC/SCs
7,000 Intl. Standards
4 Conformity Assessment Systems
Why are IEC Standards relevant?

WTO

- WTO TBT Agreement
  - Putting our products into context: “Recognizing the important contribution that international standards and conformity assessment systems can make in this regard by improving efficiency of production and facilitating the conduct of international trade…”
  - “Members shall use [international standards] as a basis for their technical regulations....”
  - “Members shall play a full part...in the preparation...of international standards....”
The world of standards

International:
WSC: IEC, ISO, ITU

Regional:
Eurasia (EASC)
Europe (ex. CENELEC, ETSI)
Americas (ex. COPANT, CANENA, MERCOSUR)
Asia-Pacific (ex. ASEAN, PASC) Africa (ex. AFSEC)

National Committees
(ex. Belarus, Russia, Ukraine, China, USA, Japan, UK, France, Germany... )
IEC – EASC
Sochi agreement 2014
one test...
one certification...
many countries
IECEE: IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components

- 76 NCBs – 54 countries
- + 3000 laboratories
- Global Motor Energy Efficiency Programme
- Industrial automation - cyber security
IECEx: International Electrotechnical Commission System for certification to standards relating to equipment for use in explosive atmospheres

- 33 Member countries – new UAE and Israel
- 83 Certification bodies
- 56 Ex test laboratories
- Extension of IECEx Certified Services Scheme
- Immediate verification – everywhere
IECQ: International Electrotechnical Commission Quality Assessment System for Electronic Components

• 24 Member countries
• 23 Certification bodies
• ~ 6000 company certificates in 34 countries
• LED Initiative Scheme
• Automotive Qualification Programme
IECRE: IEC System for Certification to Standards relating to Equipment for use in Renewable Energy Applications
Kyrgyzstan: IEC Affiliate Country

- Joined the Affiliate Country Programme in 2003
IEC Affiliate Country Programme - A unique approach

- Affiliate commitment to use International Standards
- No participation fee, no right to vote, *not a form of membership*
- 200 free IEC International Standards for adoption – 400 if Affiliate Plus
- Selection of 10 technical fields and access to working documents
- Attendance to IEC General Meetings
- Mentoring since 2013
- A Leader, a Secretariat, Coordinator for Africa, a website.
IEC Affiliate Country Programme
Affiliate Plus – since 2009

• Criteria
  – At least 50 adoptions of IEC IS
  – A NEC (National Electrotechnical Committee)
  – 24 countries are Affiliate Plus

• New benefits
  – 400 free adoptions instead of 200
  – Priority for mentoring
Regional or national adoption of International Standards and other International Deliverables – Part 1: Adoption of International Standards

• available at http://www.iec.ch/dyn/www/f?p=103:84:00
IEC Affiliate country programme
ACAS package benefits

• Regional awareness events
• ACAS section on IEC Affiliate website
  – [http://www.iec.ch/affiliates/acas](http://www.iec.ch/affiliates/acas)
• Webinars (upon request)
• E-learning modules on IEC ACAS website
• Observer status at IEC CA System management meetings (based on prerequisite training conditions)
IEC Affiliate country programme
ACAS countries

Afghanistan  Azerbaijan  Cameroon  Côte d’Ivoire  DR Congo
Ethiopia  Ghana  Mongolia  Peru  Rwanda
Sudan  Uruguay  Zambia
IEC Affiliate country programme
Kyrgyzstan - Participation

• 195 IEC International Standards received free of charge in 2004
• No adoption yet
• No National Electrotechnical Committee
• No participation in any IEC annual meeting

Next step
➢ Come to IEC General Meeting in Minsk, 12-16 October 2015
➢ Attend workshop to learn how to establish a IEC National Electrotechnical Committee (NEC)
Establish a National Electrotechnical Committee

Adopt IEC IS as national standards

Select some technical committees to comment on IEC IS projects

Become Affiliate Plus

Attend ACAS event in Azerbaijan, 3-4 November

Ask for ACAS (Affiliate Conformity Assessment Status)
Tadjikistan

• Not yet part of the IEC Family
• Tajikstandart was invited to join the Affiliate Country Programme in 2005

Next steps

➢ Attend EASC Affiliate workshop in Minsk
➢ Sign the pledge to become an IEC Affiliate
➢ Benefit from IEC free programme
Special invitations for Kyrgyzstan and Tadjikistan

- Workshop for Tadjikistan, Turkmenistan, Uzbekistan, 11 October
- Workshop for Kyrgyzstan, Azerbaijan and Armenia, 12 October
- Affiliate Forum, October, 13 October (PM)
- Industrializing Country workshop on microgrids, 14 October
- Affiliate cocktail, 15 October

Workshops open to everyone

- Workshop on Adoption of IEC International Standards, 13 October 2015 (am)
- Workshop on Energy Efficiency in Industry: New technologies, requirements and approaches, 14 October (am)
- Workshop on IEC Conformity Assessment System and the most effective tool to overcome the technical barriers in international trade, 15 October (all day)
- Council Statutory Session, 16 October
- Council Open Session 16 October (pm): Energy Efficiency: from theory to reality with IEC International Standards and Conformity Assessment
Save the date!

Using and referencing ISO and IEC standards to support public policy

Conference and Training

2-3 November 2015, Geneva, Switzerland
WSC Workshop on Conformity Assessment – Geneva 1-2 December 2015
http://www.wsccaworkshop.com

Organized by WSC in conjunction with
UNECE WP 6
Thank you for your attention and see you in Minsk.

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Office of the General Secretary

UNECE Geneva
September 2015