



# Possibility offered to Affiliate Countries to comment at CD and CDV stages

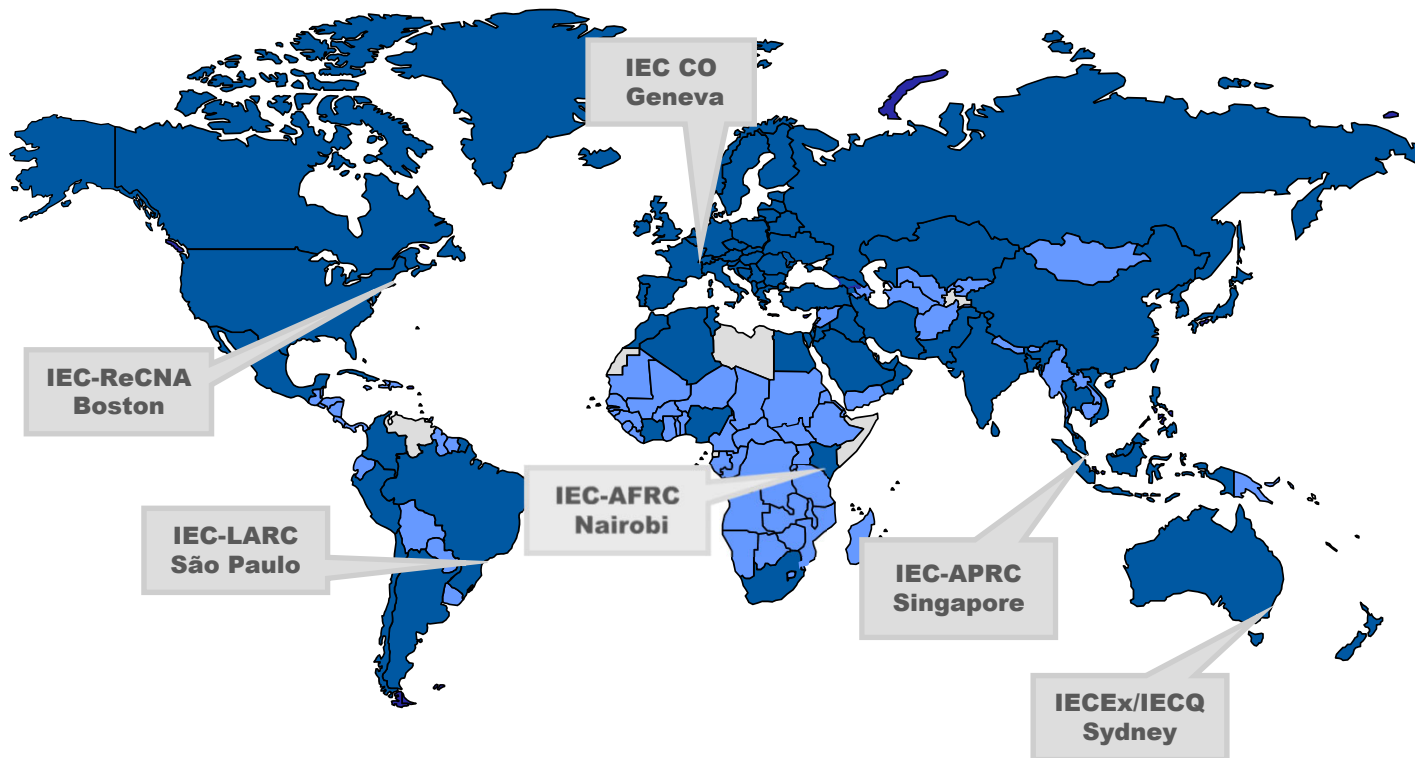
**Antoinette Pitteloud**  
**Affiliate Eastern & Middle**  
**East Liaisons Officer**

**Affiliate Forum**  
**2019-10 IEC GM**  
**Shanghai, China**

# Global reach: 173 countries

86 Members

87 Affiliates



# Affiliate Country Programme - contacts



# Benefits for Affiliates

1. **Standardization process:** Access to IEC technical documents in electronic format and comment on CDs and CDVs
2. **Published IEC International Standards:** Selection of 200 free IEC International Standards (tailored to Affiliate's immediate needs and/or relevant domestic industries); and significant discount on any other additional standards; adoption of these 200 IEC International Standards as national standards free from any commercial consideration
3. **IEC Conformity Assessment Systems**
  - Guidance to participate in IEC four Conformity Assessment Systems
  - ACAS e-learning
4. **IEC Capacity building:** Assistance from IEC Central Office on how to establish a National Electrotechnical Committee and how to track technical projects of interest
5. **IEC General Meeting:** Attendance at meetings held during the IEC General Meeting including Council Statutory session (as observers)



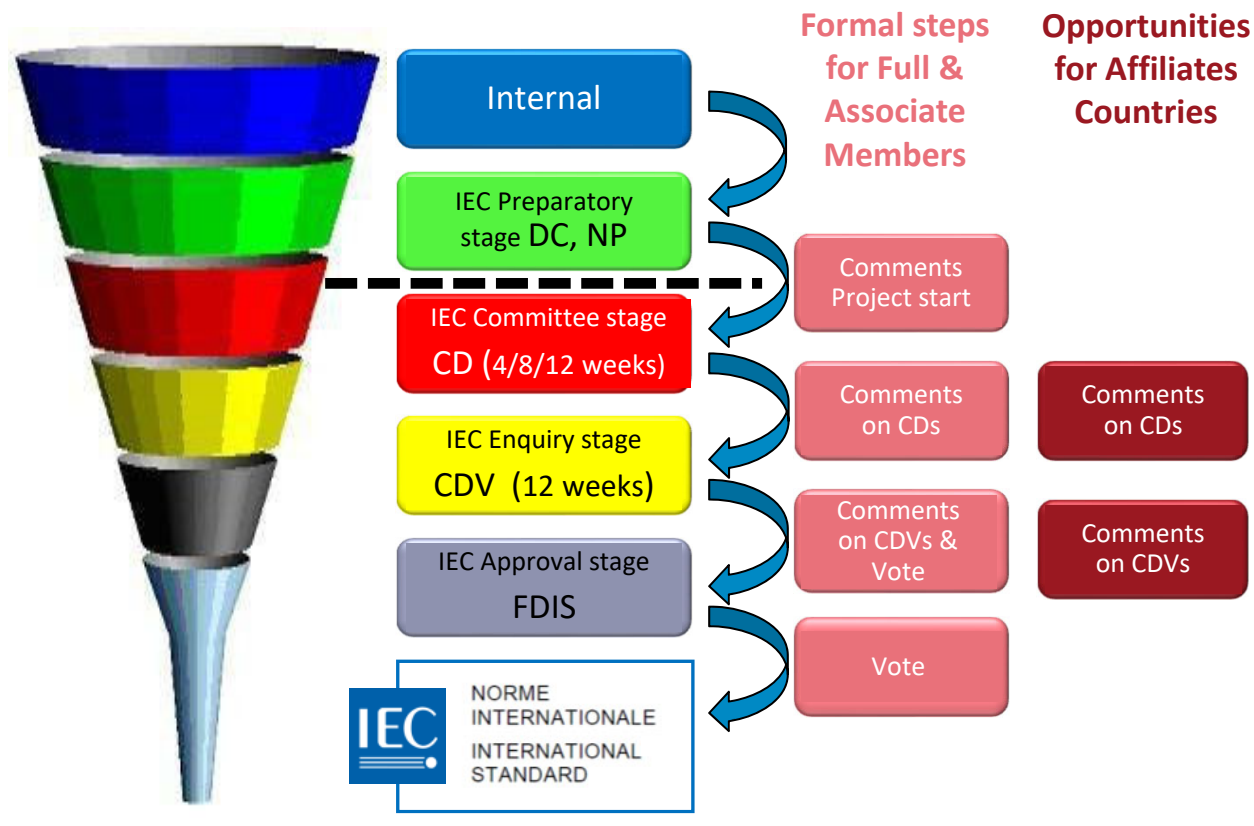
# Membership and affiliation

62 Full Members	24 Associate Members	87 Affiliates
May submit votes on <u>all</u> TC/SCs and Council documents via electronic voting system	May submit votes/comments on documents of <u>4</u> selected TC/SCs via electronic voting system	May not vote No membership
May submit comments on all TC/SCs and Council documents	May submit comments only on TC/SC documents but not on Council documents	May submit comments on the documents of <u>5</u> selected TC/SCs by e-mail ( <u>10</u> if they are Affiliate Plus)
Fully participate in international standardization activities	Limited participation of countries with limited resources	A type of participation, but <u>not</u> 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



# Comments on CDs and CDVs for Affiliates

Opportunity to **influence** IEC International Standards for Affiliates countries



# How to select technical committees (TCs)

- Go to the IEC Website ([www.iec.ch](http://www.iec.ch))
- Click the tab “Standards development”, then “List of TC/SCs”
- You will see the full list of IEC TC/SCs with information (picture below)



IEC International Electrotechnical Commission

International Standards and Conformity Assessment for all electrical, electronic and related technologies

Standards development > How we work > Technical Committees & Subcommittees

IEC TC/SCs List of IEC Technical Committees and Subcommittees

About TC/SCs List of TC/SCs Disbanded TC/SCs

Technical Committees 107 Subcommittees 100 Total 207 (TAs of TC 100 not counted) TC/SC Statistics

Committee	Title	Publications	Work Programme	SBP
TC 1	Terminology	194	9	
TC 2	Rotating machinery	71	19	
TC 3	Information structures and elements, identification and marking principles, documentation and graphical symbols	41	5	

- Select technical committees (TCs) of interest to your country\*
- Nominate expert(s) within your country by sending info to the Affiliate Secretariat ([affiliates@iec.ch](mailto:affiliates@iec.ch))

\* up to 5 TCs, or up to 10 TCs if you have a NEC



# Where to find CDs and CDVs to comment on

- Go to the list of Affiliate Countries [www.iec.ch/affiliates](http://www.iec.ch/affiliates)
- Select your country and click the tab “Documents Open for Comments”
- Choose documents with a reference ending “/CD” or “/CDV” (sort by Type to find)
- Download the file by clicking on the PDF icon
- Use the login granted by the Affiliate Secretariat

IEC International Electrotechnical Commission  
International Standards and Conformity Assessment for all electrical, electronic and related technologies

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→ About the IEC > Global reach > Affiliate Country Programme > List of Affiliate Countries > **Senegal**

**Senegal** IEC Affiliate country

General Selected TC/SC Adoption of IEC Standards Documents Open for Comments **NEC**

Mrs XXXXXXXXXX Log out En Fr

Group by : Autofilter X Reset

IEC Vote	CLC Vote	Reference	Type	Committee	P / O Status	Circulation Date	Closing Date	CLC	Downloads
All	All	All	All	All	All	All	All	All	
		17/1051/CD	CD	TC 17		2019-04-05	2019-06-28	Y	2724 kB
		20/1871/CD	CD	TC 20		2019-04-19	2019-07-12	N	463 kB
		31/1479/CD	CD	TC 31		2019-05-24	2019-08-16	Y	700 kB
		34/607A/CD	CD	TC 34		2019-04-05	2019-06-21	Y	1406 kB
		59/704/CD	CD	TC 59		2019-05-17	2019-08-09	N	502 kB
		64/2374/CD	CD	TC 64		2019-05-03	2019-06-28	Y	400 kB





# How to comment

## For the individual experts:

- Go to the IEC Website and search “Form comments”
- Download the document “Form comments”
- Fill this form (form comments) with all of your comment
- Send the fulfilled form to your NEC/NSB

## For the NEC/NSB:

- Make a consolidation with all comments from your national expert(s)
- Send the final document to the Affiliates secretariat [affiliates@iec.ch](mailto:affiliates@iec.ch)

Template for comments and secretariat observations					Date:	Document:	Project:
MB/ NC <sup>1</sup>	Line number (e.g. 17)	Clause/ Subclause (e.g. 3.1)	Paragraph/ Figure/ Table/ (e.g. Table 1)	Type of comment <sup>2</sup>	Comments	Proposed change	Observations of the secretariat



## List of TCs selection by Affiliates countries (1/4) as of October 2019

	Country	TC selection (+TC1)	TC	Experts
AF	Afghanistan 2007			0
AO	Angola 2002	1, 2, 8 (8B), 14, 20, 23, 34, 36, 82, 85	11	8
AG	Antigua and Barbuda 2002	1, 59	2	3
AM	Armenia 2001			0
AZ	Azerbaijan 2011			0
BS	Bahamas 2012			0
BB	Barbados 2001			2
BZ	Belize 2002			0
BJ	Benin 2001	1, 17, 20, 23, 37, 61, 61C, 61D, 64, 82	10	5
BT	Bhutan 2006	1, 14, 61	3	2
BO	Bolivia 2001			2
BW	Botswana 2001	1, 82	2	1
BN	Brunei Darussalam 2001	1, 13, 65	3	3
BF	Burkina Faso 2001	1	1	0
BI	Burundi 2002			0
CV	Cabo Verde 2017	1, 8 (8A), 20, SyC LVDC	4	3
KH	Cambodia 2001	1, 34, 34A	3	3
CM	Cameroon 2005	1, 7, 11, 13, 14; 20, 23, 31, 34, 36, 61, SyC LVDC	12	11
CF	Central African Republic 2008			0
TD	Chad 2008			0
KM	Comoros 2001			0

Affiliate Plus

Country with a NEC



## List of TCs selection by Affiliates countries (2/4) as of October 2019

	Country	TC selection (+TC1)	TC	Experts
CG	Congo 2008			0
CR	Costa Rica 2001	1, 14, 20, 23B, 23E, 34, 64, 82	8	8
DJ	Djibouti 2019			
DM	Dominica 2002	1, 8 (8A, 8B), 57, 64, 82, SyC SC, SyC SE	8	7
DO	Dominican Republic 2005	1, 13, 14, 20	4	3
CD	DRC Congo 2001	1, 2, 3, 8, 13, 17, 23, 31, 34, 35, 57, 64, 66, 77, 82	14	2
EC	Ecuador 2003	1, 8 (8A, 8B), 14, 22 (22F), 23 (23K), 57, 77 (77C), 82, 123, SyC SE	10	24
SV	El Salvador 2008			0
ER	Eritrea 2001			0
SZ	Eswatini (Kingdom of) 2007			0
ET	Ethiopia 2002	1, 8(8A), 9, 14, 20, 23 (23K), 59, 61, 82, 120, ISO/JTC 1/ SC 25, SyC LVDC	12	11
FJ	Fiji 2001			0
GA	Gabon 2007	1, 2, 7, 13, 14, 20 (23B, 23E), 34, 38, 64, 82, SyC LVDC	12	11
GM	Gambia 2008	1, 7, 18 (18A), 20, 21, 23 (23B), 61 (61C), 64, 82, SyC LVDC	10	9
GH	Ghana 2001	1, 8, 13, 31, 57, 59, 61, 64, 77, 82	10	10
GD	Grenada 2001			0
GT	Guatemala 2001	1, 64, 77	3	2
GN	Guinea 2007	1, 2, 7, 8 (8A), 13, 20, 59, 62, 64, 120, SyC LVDC	11	10
GW	Guinea Bissau 2006			2
GY	Guyana 2001	1, 61, 82, 118	4	5
HT	Haiti 2002	1, 7, 11, 20, 22F, 61, 64, 91, 103, 108, 111	11	5
HN	Honduras 2007			2

Affiliate Plus

Country with a NEC



## List of TCs selection by Affiliates countries (3/4) as of October 2019

	Country	TC selection (+TC1)	TC	Experts
JM	Jamaica 2001	1, 82	2	2
KG	Kyrgyzstan 2003		0	0
LA	Lao PDR 2002			2
LB	Lebanon 2001	1, 20, 23A, 23B, 34D, 37A, 64, 81, 82, 121B	10	1
LS	Lesotho 2005	1, 8, 13, 57, 59, 59A, 59C, 59K, 59L, 59M, 64, 77, 82		0
LR	Liberia 2016			2
MG	Madagascar 2005	1, 31, 34	3	3
MW	Malawi 2001	1, 2, 15, 22, 23, 32, 34, 61, 81, 82, 108	11	6
ML	Mali 2001			2
MR	Mauritania 2002			
MU	Mauritius 2001	1, 22H, 23, 23B, 23E, 23G, 23H, 27, 118	9	5
MN	Mongolia 2002	1, 13, 57, 61	4	5
MZ	Mozambique 2003			2
MM	Myanmar 2007			0
NA	Namibia 2001	1, 8, 13, 31, 57, 59, 59A, 59C, 59K, 59L, 59M, 64, 77, 82	14	6
NP	Nepal 2001			0
NI	Nicaragua			
NE	Niger 2006			2
PS	Palestine 2009	1, 8, 17	3	2
PA	Panama 2003			0
PG	Papua New Guinea 2004	1, 61, 61D	3	3
PY	Paraguay 2001	1, 8, 13, 18A, 20	5	2

Affiliate Plus

Country with a NEC



## List of TCs selection by Affiliates countries (4/4) as of October 2019

	Country	TC selection (+TC1)	TC	Experts
<b>RW</b>	Rwanda 2001	1, 8, 13, 57, 64, 77, 82	7	6
KN	Saint Kitts & Nevis 2013			
LC	Saint Lucia 2002			0
VC	St Vincent & Grenadines 2008			0
ST	Sao Tome and Principe 2018			
<b>SN</b>	Senegal 2002	1, 8, 13, 17, 20, 31, 34, 57, 59, 61, 64, 77, 82, 120, 121	15	13
SC	Seychelles 2001	1, 61, 66	3	2
SL	Sierra Leone 2003	1, 15, 20, 22, 32, 46, 59, 70, 108, 82	10	5
SS	South Sudan 2013			0
<b>SD</b>	Sudan 2004	1, 8, 13, 23 (23B & 23E), 31, 34A, 57, 59D, 61, 64, 77, 82, 88, JTC 1 (SC 25), SyC LVDC	15	10
<b>SR</b>	Suriname 2008	1	1	3
SY	Syrian Arab Republic 2016			2
<b>TZ</b>	Tanzania 2001	1, 14, 17, 20, 46, 61, 79, 82, 100, 108, Syc LVDC	11	12
<b>TG</b>	Togo 2006	1, 23 (23B)	2	1
TT	Trinidad and Tobago 2007	1, 34A	2	2
TM	Turkmenistan 2001			0
<b>UG</b>	Uganda 2001	1, 17, 20, 23, 34, 35, 59, 61, 64, 81, 82	11	6
<b>UY</b>	Uruguay 2001	1, 4, 14, 23, 23B, 59, 78	7	6
UZ	Uzbekistan 2015	1, 82	2	1
YE	Yemen 2002	1, 82	2	4
<b>ZM</b>	Zambia 2002	1, 8, 13, 20, 23 (23A), 31, 57, 64, 77 (77A), 82, 103, JTC 1 (SC 25, 27, 32, 36, 39)	13	9
<b>ZW</b>	Zimbabwe 2001	1, 8, 13, 57, 64, 77, 82	7	6
	<b>TOTAL</b>			<b>287</b>

Affiliate Plus

Country with a NEC



## Comments made on CDs and CDVs

TOGETHER  
EVERYONE  
ACHIEVES  
MORE

## Comments made on published IEC International Standards





# IEC partners (35 agreements and MoUs)



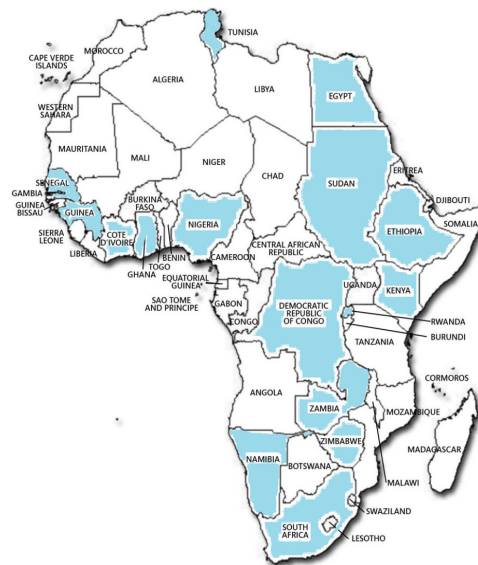


# AFSEC: The African Electrotechnical Standardization Commission (Co-operation Agreement 2009)



**16 Statutory Members:** Cote d'Ivoire, DR Congo, Egypt, Ethiopia, Ghana, Guinea, Kenya, Namibia, Nigeria, Rwanda, Senegal, South Africa, Sudan, Tunisia, Zambia, Zimbabwe

**8 Affiliate Members:** AFREC, APUA, COMESA, EAPP, PIESA, SADCSTAN, SAPP, Libya



## ➤ IEC standards adopted:

- Population: 800 million
- Surface: 11,8 million km<sup>2</sup>

	<u>Population / Surface</u>		<u>Population / Surface</u>
 <b>Cote d'Ivoire</b>	25,5 million / 318 000 km <sup>2</sup>	 <b>Nigeria</b>	200,9 million / 910 770 km <sup>2</sup>
 <b>DR Congo</b>	86,7 million / 2 267 050 km <sup>2</sup>	 <b>Rwanda</b>	12,8 million / 24 670 km <sup>2</sup>
 <b>Egypt</b>	101,1 million / 995 450 km <sup>2</sup>	 <b>Senegal</b>	16,7 million / 192 530 km <sup>2</sup>
 <b>Ethiopia</b>	110,1 million / 1 000 000 km <sup>2</sup>	 <b>South Africa</b>	58 million / 1 213 090 km <sup>2</sup>
 <b>Ghana</b>	30 million / 227 540 km <sup>2</sup>	 <b>Sudan</b>	42,5 million / 1 765 048 km <sup>2</sup>
 <b>Guinea</b>	13,4 million / 245 720 km <sup>2</sup>	 <b>Tunisia</b>	11,8 million / 155 360 km <sup>2</sup>
 <b>Kenya</b>	52,2 million / 569 140 km <sup>2</sup>	 <b>Zambia</b>	18,1 million / 743 390 km <sup>2</sup>
 <b>Namibia</b>	2,6 million / 823 290 km <sup>2</sup>	 <b>Zimbabwe</b>	17,3 million / 386 850 km <sup>2</sup>



# AIDMO: Arabic Industrial Development and Mining Organization



**21 Members:** Algeria, Bahrain, Djibouti, Egypt, Iraq, Jordan, Kuwait, Lebanon, Libya, Mauritania, Morocco, Oman, Palestine, Qatar, Saudi Arabia, Somalia, Sudan, Syria, Tunisia, United Arab Emirates, Yemen



- **IEC standards adopted:** ~ x
- **Population:** 429,9 million
- **Surface:** 13,0 million km<sup>2</sup>



# ASEAN: Joint Sectoral Committee on Electrical and Electronic Equipment






**10 Members:** Brunei, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand, Vietnam



➤ IEC standards adopted:	> 100
➤ Population:	661 million
➤ Surface:	4,3 million km <sup>2</sup>

## Population / Surface

	<b>Brunei</b>	0,4 million / 5 270 km <sup>2</sup>
	<b>Cambodia</b>	16,4 million / 176 520 km <sup>2</sup>
	<b>Indonesia</b>	269,5 million / 1 811 570 km <sup>2</sup>
	<b>Laos</b>	7 million / 230 800 km <sup>2</sup>
	<b>Malaysia</b>	32,5 million / 328 550 km <sup>2</sup>
	<b>Myanmar</b>	54,3 million / 653 290 km <sup>2</sup>
	<b>Philippines</b>	108,1 million / 298 170 km <sup>2</sup>
	<b>Singapore</b>	5,8 million / 700 km <sup>2</sup>
	<b>Thailand</b>	69,3 million / 510 890 km <sup>2</sup>
	<b>Vietnam</b>	97,4 million / 310 070 km <sup>2</sup>



# COPANT: Pan American Standards Commission (Agreement 1994)



**32 Active Members:** Argentina, Bahamas, Barbados, Belize, Bolivia, Brazil, Canada, Colombia, Costa Rica, Cuba, Chile, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Saint Lucia, Suriname, Saint Kitts and Nevis, Saint Vincent and the Grenadines, Trinidad and Tobago, Uruguay, United States of America



- **IEC standards adopted:**
- **Population:** 986,3 million
- **Surface:** 37,3 million km<sup>2</sup>

- All independent states in the Americas are members, **except Venezuela (Adherent Member) and Antigua & Barbuda**
- **Adherent Members:** Australia, China, Germany, France, Italy, UK, Spain and Venezuela



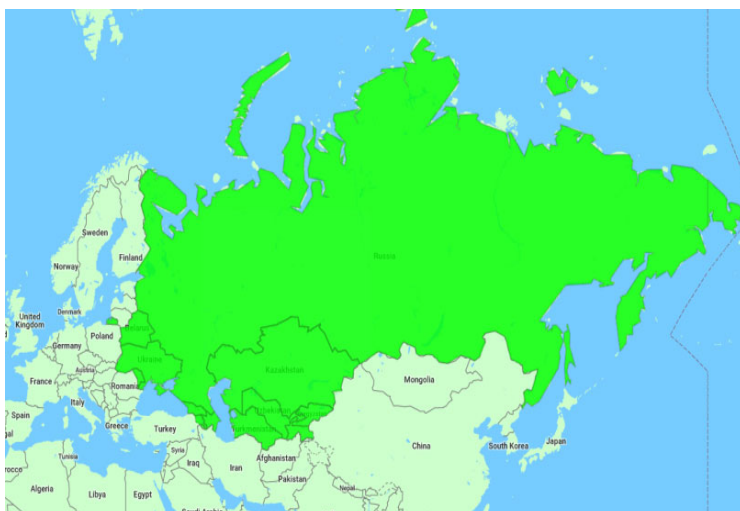
# EASC: Euro Asian Council for Standardization, Metrology and Certification













(Co-operation Agreement 2018)



**12 Council Members:** Azerbaijan, Armenia, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan

➤ <b>IEC standards adopted:</b>	<b>1000</b>
➤ <b>Population:</b>	<b>290,8 million</b>
➤ <b>Surface:</b>	<b>21,3 million km<sup>2</sup></b>



<u>Population / Surface</u>		
	<b>Azerbaijan</b>	10 million / 82 658 km <sup>2</sup>
	<b>Armenia</b>	2,9 million / 28 470 km <sup>2</sup>
	<b>Belarus</b>	9,4 million / 202 910 km <sup>2</sup>
	<b>Georgia</b>	3,9 million / 69 490 km <sup>2</sup>
	<b>Kazakhstan</b>	18,6 million / 2 699 700 km <sup>2</sup>
	<b>Kyrgyzstan</b>	6,2 million / 191 800 km <sup>2</sup>
	<b>Moldova</b>	4 million / 32 850 km <sup>2</sup>
	<b>Russia</b>	143,9 million / 16 376 870 km <sup>2</sup>
	<b>Tajikistan</b>	9,3 million / 139 960 km <sup>2</sup>
	<b>Turkmenistan</b>	5,9 million / 469 930 km <sup>2</sup>
	<b>Ukraine</b>	43,8 million / 579 320 km <sup>2</sup>
	<b>Uzbekistan</b>	32,8 million / 425 400 km <sup>2</sup>



# GSO: GCC Gulf Standardization Organization (Co-operation Agreement 2016)










**7 Members:** Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, U.A.E., Yemen



➤ IEC standards adopted:	~ 6000
➤ Population:	87 million
➤ Surface:	3,2 million km <sup>2</sup>

## Population / Surface

	<b>Bahrain</b>	1,6 million / 760 km <sup>2</sup>
	<b>Kuwait</b>	4,2 million / 17 820 km <sup>2</sup>
	<b>Oman</b>	5 million / 309 500 km <sup>2</sup>
	<b>Qatar</b>	2,7 million / 11 610 km <sup>2</sup>
	<b>Saudi Arabia</b>	34,1 million / 2 149 690 km <sup>2</sup>
	<b>U.A.E.</b>	9,6 million / 83 600 km <sup>2</sup>
	<b>Yemen</b>	29,5 million / 527 970 km <sup>2</sup>



# SARSO: South Asian Regional Standards Organization (Co-operation Agreement 2016 )



**8 Member States / National Bodies:** Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka

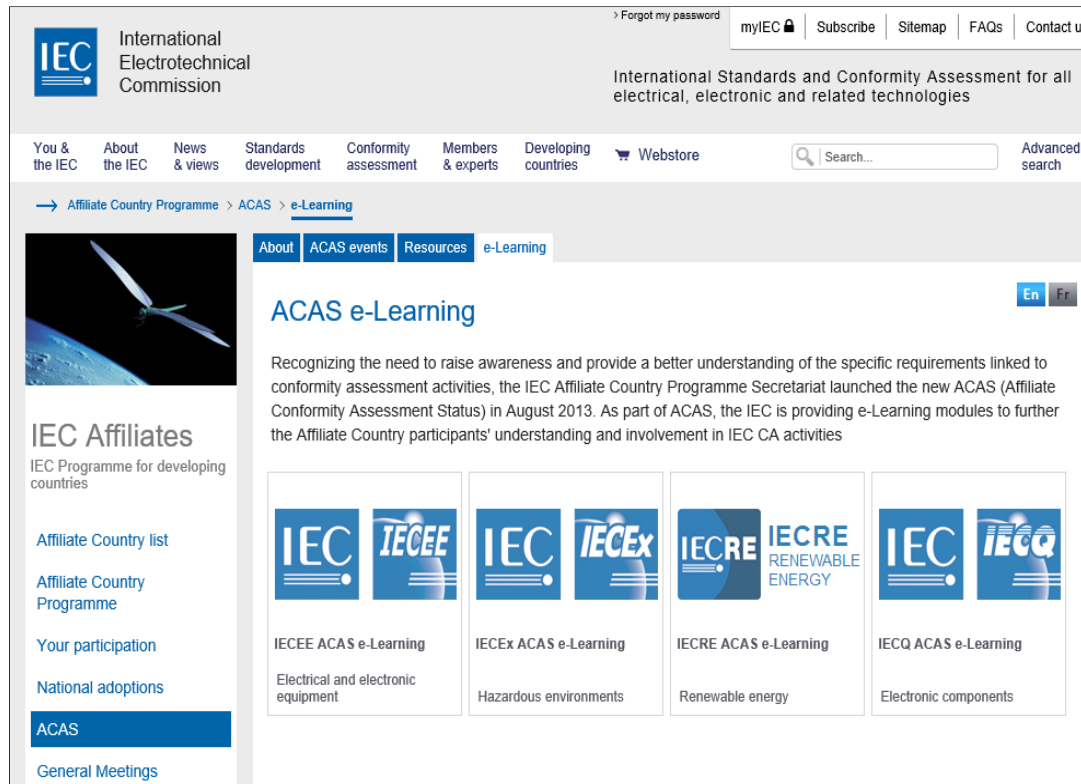


- **IEC standards adopted:**
- **Population:** 1830.8 million
- **Surface:** 4.7 million km<sup>2</sup>

	<u>Population / Surface</u>
<b>Afghanistan</b>	37,2 million / 652 860 km <sup>2</sup>
<b>Bangladesh</b>	168 million / 130 170 km <sup>2</sup>
<b>Bhutan</b>	0,8 million / 38 117 km <sup>2</sup>
<b>India</b>	1 368,7 million / 2 973 190 km <sup>2</sup>
<b>Maldives</b>	0,5 million / 300 km <sup>2</sup>
<b>Nepal</b>	29,9 million / 143 350 km <sup>2</sup>
<b>Pakistan</b>	204,6 million / 770 880 km <sup>2</sup>
<b>Sri Lanka</b>	21 million / 62 710 km <sup>2</sup>



# ACAS e-learning modules



The screenshot displays the IEC ACAS e-Learning website. The header features the IEC logo and the text 'International Electrotechnical Commission' on the left, and navigation links like 'myIEC', 'Subscribe', 'Sitemap', 'FAQs', and 'Contact us' on the right. Below the header is a secondary navigation bar with links for 'You & the IEC', 'About the IEC', 'News & views', 'Standards development', 'Conformity assessment', 'Members & experts', 'Developing countries', 'Webstore', and a search bar. The main content area is titled 'ACAS e-Learning' and includes a brief description of the program. Below this, there are four modules listed in a grid, each with its own IEC logo and title: 'IECEE ACAS e-Learning' (Electrical and electronic equipment), 'IECEX ACAS e-Learning' (Hazardous environments), 'IECRE ACAS e-Learning' (Renewable energy), and 'IECQ ACAS e-Learning' (Electronic components). A sidebar on the left contains links for 'IEC Affiliates', 'Affiliate Country list', 'Affiliate Country Programme', 'Your participation', 'National adoptions', 'ACAS', and 'General Meetings'.

International Electrotechnical Commission

International Standards and Conformity Assessment for all electrical, electronic and related technologies

You & the IEC | About the IEC | News & views | Standards development | Conformity assessment | Members & experts | Developing countries | Webstore | Search... | Advanced search

→ Affiliate Country Programme > ACAS > e-Learning

About | ACAS events | Resources | e-Learning

En Fr

## ACAS e-Learning

Recognizing the need to raise awareness and provide a better understanding of the specific requirements linked to conformity assessment activities, the IEC Affiliate Country Programme Secretariat launched the new ACAS (Affiliate Conformity Assessment Status) in August 2013. As part of ACAS, the IEC is providing e-Learning modules to further the Affiliate Country participants' understanding and involvement in IEC CA activities

IEC	IECEE	IECEX	IECRE RENEWABLE ENERGY	IECQ
IECEE ACAS e-Learning	IECEX ACAS e-Learning	IECRE ACAS e-Learning	IECQ ACAS e-Learning	
Electrical and electronic equipment	Hazardous environments	Renewable energy	Electronic components	

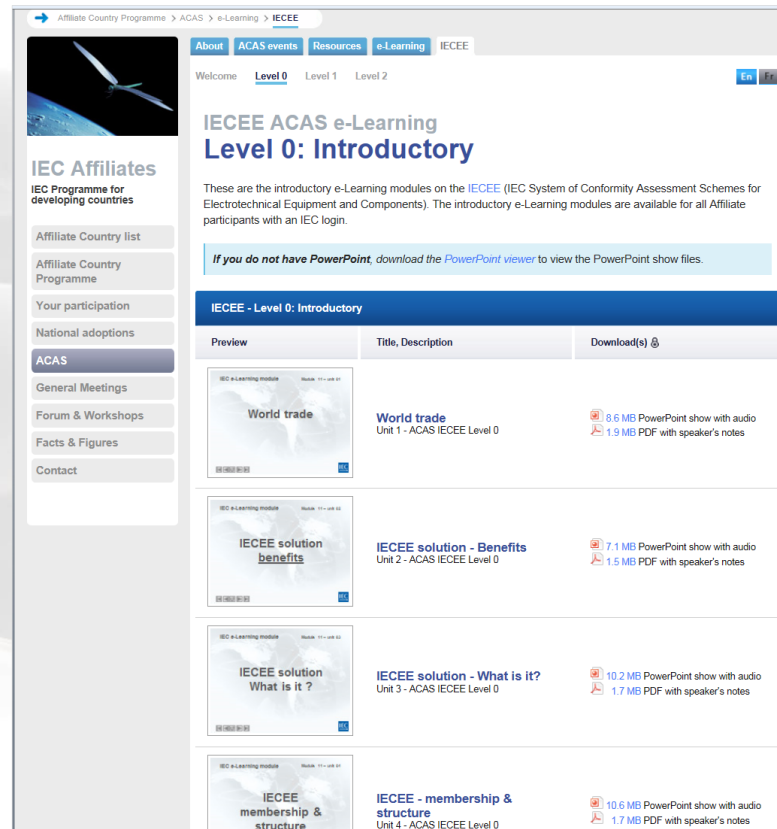
IEC Affiliates  
IEC Programme for developing countries

Affiliate Country list  
Affiliate Country Programme  
Your participation  
National adoptions  
ACAS  
General Meetings





# ACAS e-learning level 0



→ Affiliate Country Programme > ACAS > e-Learning > IECCE

About ACAS events Resources e-Learning IECCE

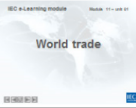


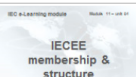
Welcome **Level 0** Level 1 Level 2

## IECCE ACAS e-Learning Level 0: Introductory

These are the introductory e-Learning modules on the IECCE (IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components). The introductory e-Learning modules are available for all Affiliate participants with an IEC login.

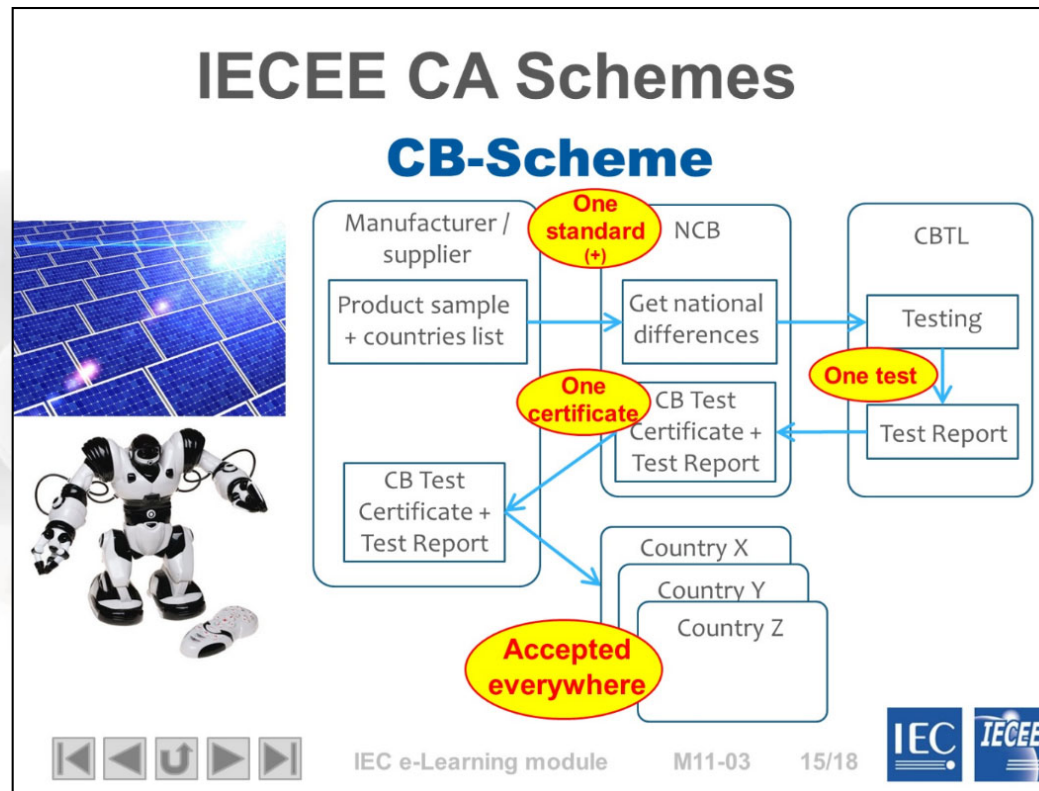
If you do not have PowerPoint, download the [PowerPoint viewer](#) to view the PowerPoint show files.

### IECCE - Level 0: Introductory

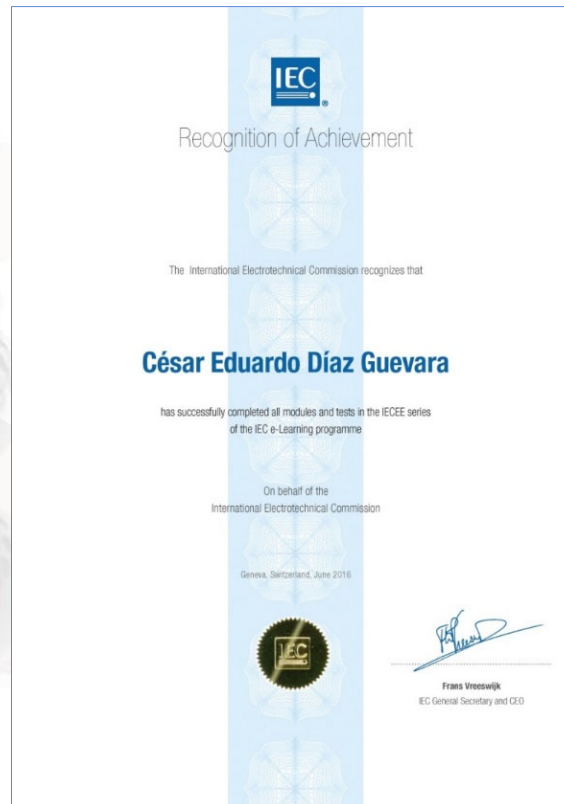
Preview	Title, Description	Download(s) ⚙
	<b>World trade</b> Unit 1 - ACAS IECCE Level 0	8.6 MB PowerPoint show with audio 1.9 MB PDF with speaker's notes
	<b>IECCE solution - Benefits</b> Unit 2 - ACAS IECCE Level 0	7.1 MB PowerPoint show with audio 1.5 MB PDF with speaker's notes
	<b>IECCE solution - What is it?</b> Unit 3 - ACAS IECCE Level 0	10.2 MB PowerPoint show with audio 1.7 MB PDF with speaker's notes
	<b>IECCE - membership &amp; structure</b> Unit 4 - ACAS IECCE Level 0	10.6 MB PowerPoint show with audio 1.7 MB PDF with speaker's notes



# ACAS e-learning module level 1



# Recognition of achievement





**Thank you for your attention**

**Antoinette Pitteloud  
Affiliate Eastern & Middle  
East Liaisons Officer**

**Affiliate Forum  
2019-10 IEC GM  
Shanghai, China**

