

A photograph of a man wearing a white turban and a white shirt, looking down at a tablet computer. A young boy in a light green shirt is standing next to him, also looking at the tablet. They are outdoors, with a thatched roof visible in the background.

Integration of quality infrastructure into public policy and regulation in South Asia

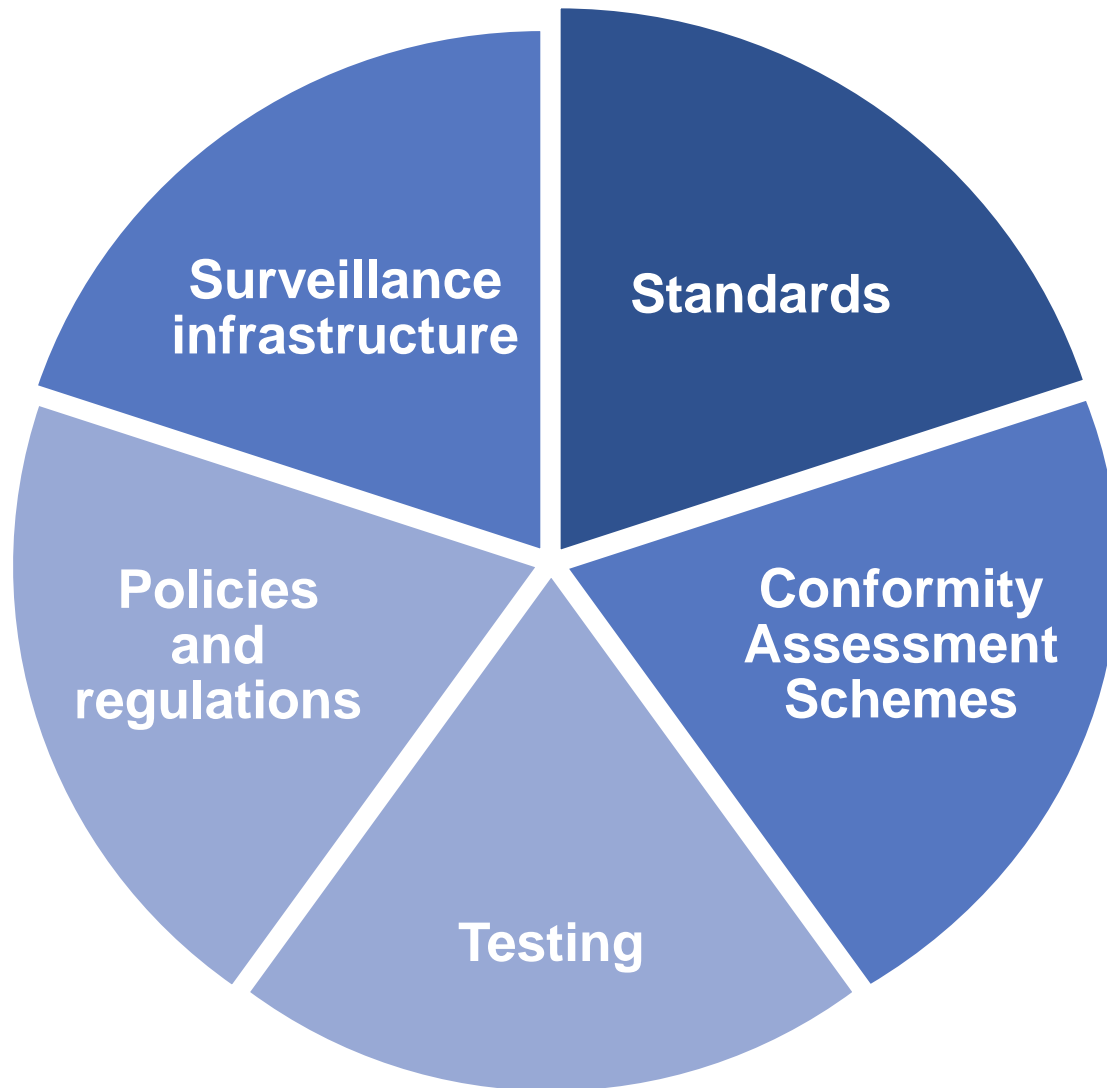
Vimal Mahendru
IEC Ambassador

IRENA DDW (ACEF 2018)
June 5-8, 2018
Manila, Philippines



**International
Electrotechnical
Commission**

Quality infrastructure wheel



1 in 5 has no access
to electricity





Measuring energy access: the multi-tiers



World Bank Multitier Framework for Energy Access
(<https://www.esmap.org/node/55526>)

Policy on Quality Infrastructure, Example from India

1986 - The Parliament empowers Bureau of Indian standards,

2014 - BIS receives mandate to create standards for enabling rapid electricity access,

2014 - India (BIS) gets involved with IEC for electricity access standards development

2017 - Indian DC Standard for electricity access for **Tier 2** and **Tier 3** published, with **ongoing marketing and awareness**, and **embedding in government projects**

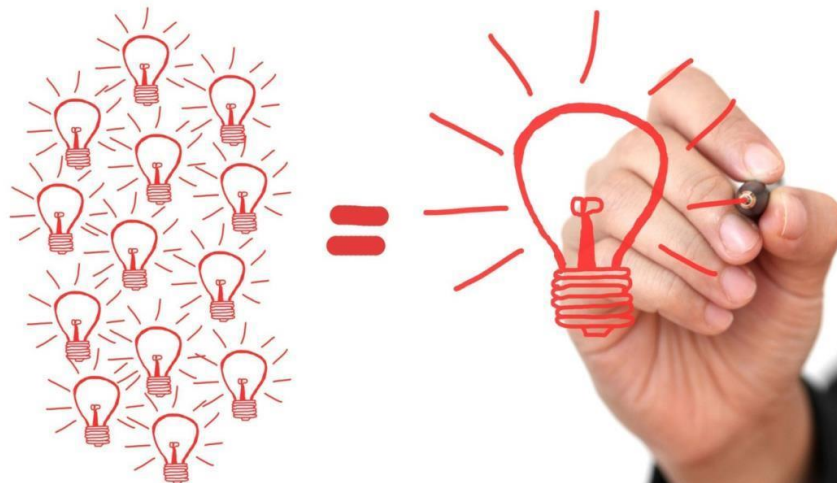
2019 - IEC standard for electricity access addressing ESMAP Multi Tier Framework published

About the IEC

World's leading provider of International Standards and Conformity Assessment Systems in electrotechnology

Not-for-profit, non-governmental organization founded in 1906

- 85 members
- 86 affiliates
- >200 committees
- 20 000 experts
- 10 000 International Standards
- 4 Conformity Assessment Systems
- >1 million certificates issued



Some key standardization work by the IEC

- Decentralized rural electrification (**62257 Series**)
- Solar PV Standards
- Micro and Pico hydro power Standards
- Wind turbines (**61400 Series**)
- Energy storage (**62933 Series**)
- LVDC Standards (**being developed**)
- Low Voltage Electrical Installations (**60364 Series**)
- Lighting and other device level Standards

1 NO POVERTY



2 ZERO HUNGER

3 GOOD HEALTH AND WELL BEING

4 QUALITY EDUCATION

5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



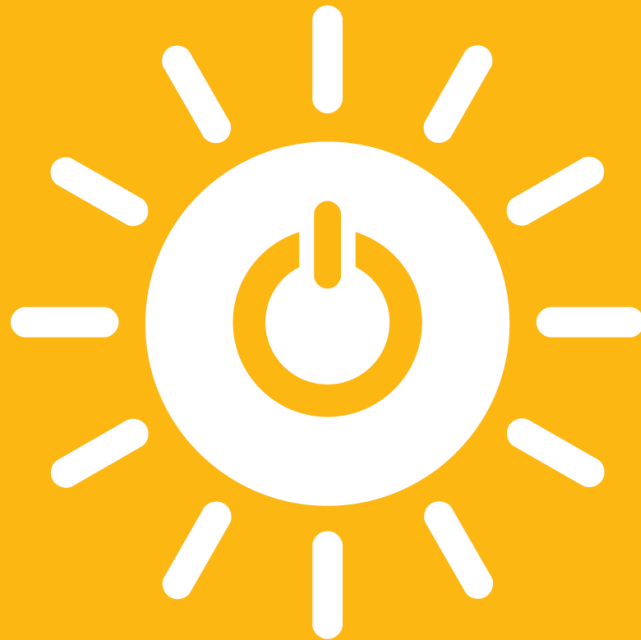
11 SUSTAINABLE CITIES AND COMMUNITIES



13 CLIMATE ACTION



7 AFFORDABLE AND CLEAN ENERGY



8 REDUCED INEQUALITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



17 PARTNERSHIPS FOR THE GOALS





Thank you!

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