



The role of International Standards to provide Sustainable Green & Innovative Power Solutions

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How can international standards help?

International standards represent the amalgamation of knowledge contributed by experts from around the world!



For cities and governments

- Reduce carbon emissions
- Achieve a sustainable digital transformation
- Improve uptake of green energy
- Achieve targets set in the Paris Agreement and SDGs



For the ICT sector

- Technical guidance to implement green energy solutions
- Provide measurement tools to evaluate progress
- Bring low-cost connectivity to rural areas
- Reach net-zero

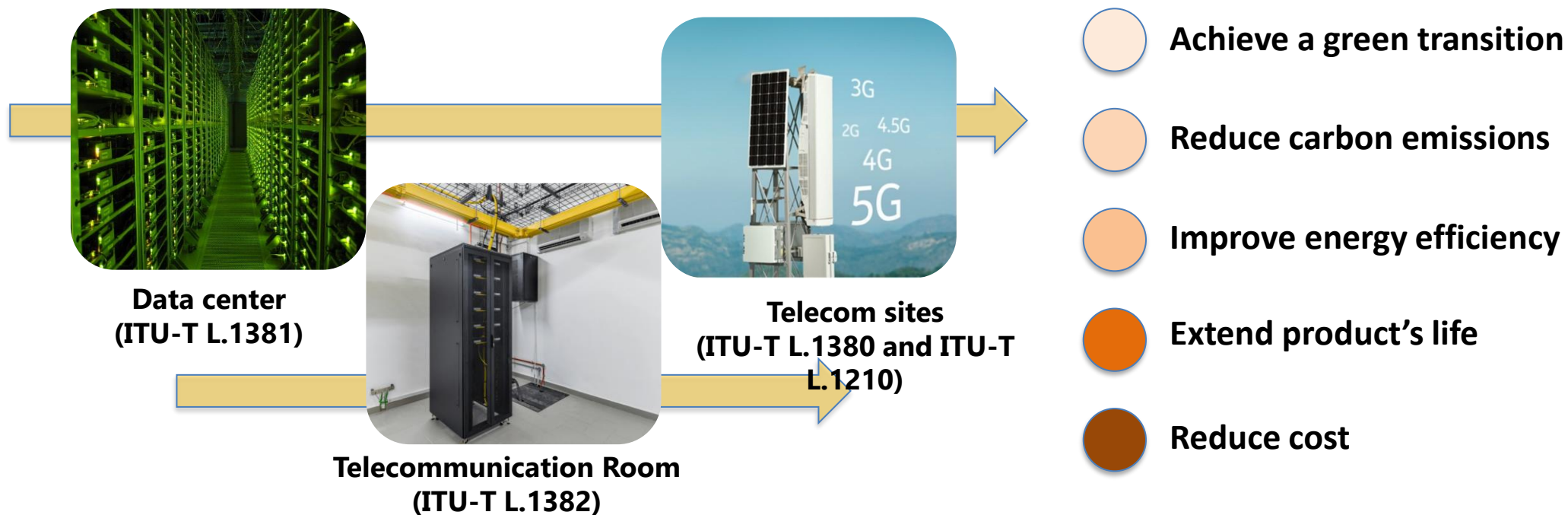
ITU-T Study Group 5

ITU-T Study Group 5 “Environment, Climate Change and Circular Economy”

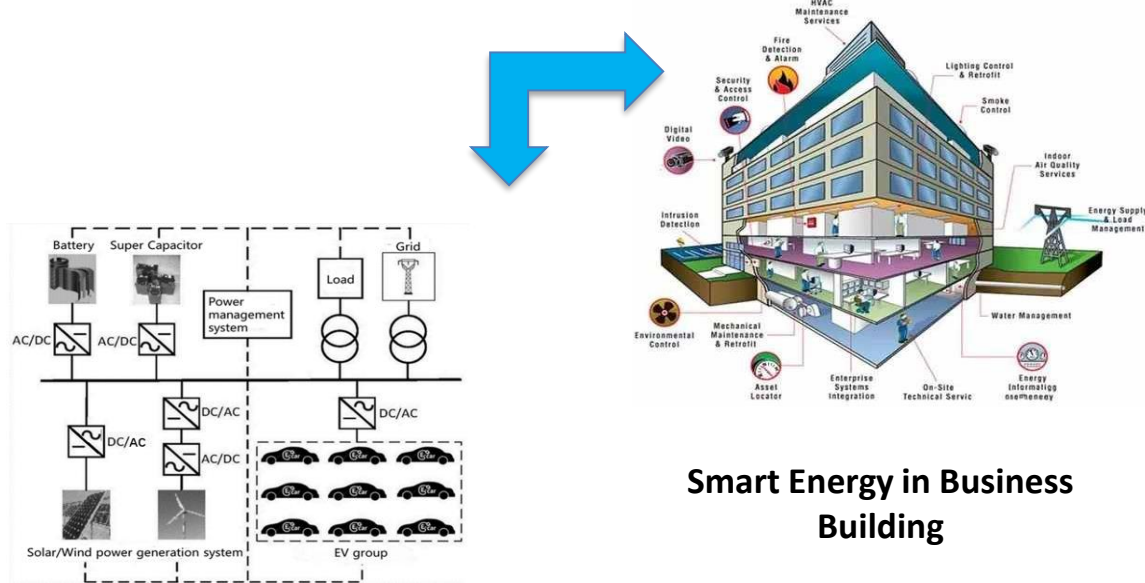


ITU membership consists of 193 Member States and over 900 companies, universities, and international and regional organizations

ITU standards for smart energy solutions

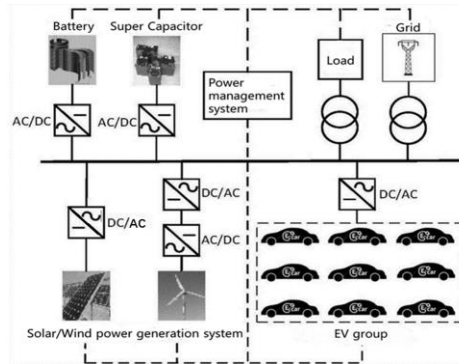


Smart energy solutions for cities and home applications (ITU-T L.1383 - draft)



Smart Energy in Business Building

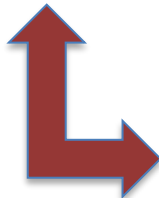
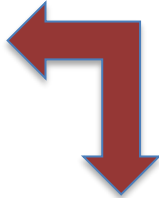
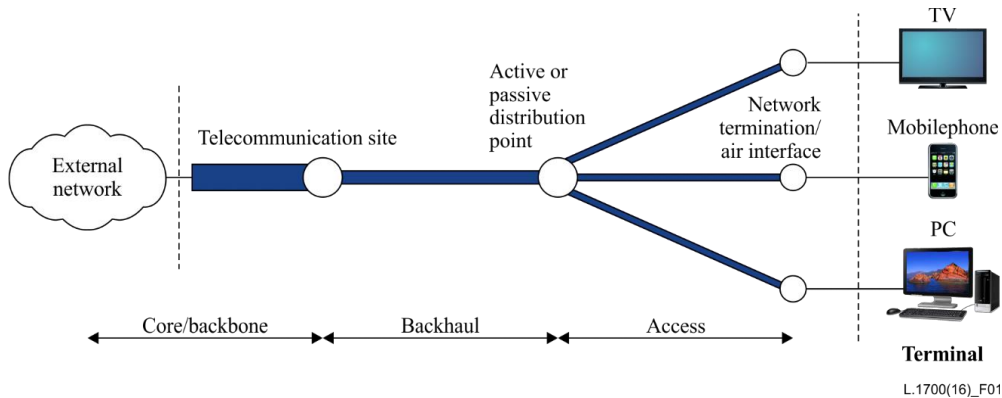
Smart Energy Applications in Residential Community



Smart Energy in Industrial Park


And more...

Low-cost sustainable telecommunications infrastructure for rural communications in developing countries (ITU-T L.1700)



- Define requirements for low-cost ICT infrastructure
- Provide metrics for performance evaluation
- Bring connectivity to rural areas
- Be part of digital transformation
- Improve quality of life

Be part of the change through standards development



ITU-T SG5: Environment, Climate Change and Circular Economy, virtual meeting
30 November – 10 December 2021 (TBC)

WP2/5	Environment, Energy Efficiency and the Circular Economy
<u>Q6/5</u>	Environmental efficiency of digital technologies
<u>Q7/5</u>	E-waste, circular economy and sustainable supply chain management
<u>Q9/5</u>	Climate change and assessment of digital technologies in the framework of the Sustainable Development Goals (SDGs) and the Paris Agreement
<u>Q11/5</u>	Climate change mitigation and smart energy solutions
<u>Q12/5</u>	Adaptation to climate change through sustainable and resilient digital technologies
<u>Q13/5</u>	Building circular and sustainable cities and communities

Thank you!



Contact us at:



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