



GENDER-RESPONSIVE STANDARDS INITIATIVE

**Gender, digitalization,
environment: ensuring a
sustainable future for all**

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womenatIEC



INTERNATIONAL
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COMMISSION



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Underpinning sustainable development

IEC work contributes to all 17 SDGs. It provides the foundation for sustainable economic development

The IEC and the Sustainable Development Goals

IEC International Standards and IEC Conformity Assessment (CA) Systems contribute to all of the 17 SDGs. They provide the foundation that allows all countries to put in place sustainable, resilient infrastructure to stimulate economic development and innovation and apply global best-practice to manage quality and risk.

IEC International Standards embody global consensus on methodologies, processes, and specifications and are often used in regulations. They enhance access to technology and innovation, promote the development, transfer, and dissemination of environmentally sound technologies, and facilitate participation in global trade.

UN SDGs

CEOs for SDGs

Their vision for the UN SDGs and where IEC Standards and certification fit in

[Find out more](#)

IEC Strategic Dialogue on SDGs

How corporate strategy leaders and sustainability officers are contributing to the UN SDGs with the help of IEC International Standards

[Find out here](#)

IEC for SDGs

IEC will undertake a campaign to help the IEC Community, as well as external stakeholders, better understand...

[Read more](#)

How IEC Standards work for SDGs

Behind the scene

IEC International Standards are used by technical experts to design, build and manufacture devices and systems. They guide installers and inspectors in their work. Safety, energy efficiency, reliability, etc. are built into products and devices from the start. At the end of the day, without having to do anything, all these devices and systems can be used by consumers, commercial enterprises, and the public sector.

IEC Standards also form the basis for testing and certification. Before a product is shipped, it is normally tested to ensure that it is safe to use and works as it should in line with the requirements in the standard. Testing can be done by the manufacturer or by independent test laboratories, such as those that are members of the IEC Conformity Assessment Systems.

In the context of an overall quality and risk management framework, governments can adopt international standards and mandate that products or devices that enter the national market, or are produced nationally, must have been tested to them. This approach ensures the safeguarding of populations and the environment. By following these international standards, national manufacturers, are better able to compete globally and they have better access to world-wide know-how which in turn facilitates innovation.

Business

Small and big companies are able to design and build innovative solutions in support of SDGs. IEC International Standards allow companies to build consistently safe, efficient and affordable products and systems that are accepted everywhere in the world.

Governments

Regulators and policy makers can rely on IEC International Standards to set the safety, security and reliability requirements for quality infrastructure in energy generation, water management, healthcare, education, transportation, manufacturing, and more. IEC work supports good governance and allows regulators to enforce legislation that helps protect populations from unsafe products and environmental or health hazards.


IEC International Standards provide the technical foundation that allows countries to increase national innovation and economic productivity, as well as upgrade and retrofit cleaner and environmentally sound technologies and industrial processes.

IEC CA Systems allow governments to verify that systems are properly installed, manufacturer promises are kept, and consumers are protected from dangerous and counterfeit products.

Consumers

Consumers benefit from more efficient, affordable and reliable energy services, safer and more abundant food and water supply, modern healthcare and overall safer and more secure products and infrastructure.

1



No poverty | Zero hunger


End poverty and hunger. Achieve food security and promote sustainable agriculture

SDG 1 - 1 164 publications
238 projects

SDG 2 - 894 publications
101 projects

[Read more](#)

2




Good health and well-being

Ensure healthy lives and promote well-being for all

1 915 publication
400 projects

[Read more](#)

3




Quality education

Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

1 626 publications
291 projects

[Read more](#)

4



Gender equality

Achieve gender equality and empower all women and girls

1 180 publications
204 projects

[Read more](#)

6



Clean water and sanitation

Ensure availability and sustainable management of water and sanitation for all

774 publications
129 projects

[Read more](#)

7



Affordable and clean energy

Ensure access to affordable, reliable, sustainable and modern energy for all

2 746 publications
583 projects

[Read more](#)

8



Decent work and economic growth

Promote inclusive and sustainable economic growth, full and productive employment and decent work for all

1 999 publications
435 projects

[Read more](#)

9



Industry, innovation and infrastructure

Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

4 318 publications
1 138 projects

[Read more](#)

10



Reduced inequalities

Reduce inequality within and among countries

1 436 publications
238 projects

[Read more](#)

11



Sustainable cities and communities

Make cities and human settlements inclusive, safe, resilient and sustainable

2 170 publications
543 projects

[Read more](#)

12



Responsible consumption and production

Ensure sustainable consumption and production patterns

2 113 publications
462 projects

[Read more](#)

13



Climate action

Take urgent action to combat climate change and its impacts

1 780 publications
344 projects

[Read more](#)

14



Life below water

Conserve and sustainably use ocean, sea and marine resources

243 publications
64 projects

[Read more](#)

15



Life on land

Promote sustainable use of terrestrial ecosystems, halt and reverse land degradation and biodiversity loss

1 108 publications
210 projects

[Read more](#)

16



Peace, justice and strong institutions

Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable institutions at all levels

949 publications
98 projects

[Read more](#)

17



Partnerships for the goals

Strengthen the means of implementation and revitalize the global partnership for sustainable development

2 039 publications
419 projects

[Read more](#)

Terminology

Electropedia | Abbreviations & acronyms

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SDG 5 - Gender equality

Achieve gender equality and empower all women and girls



1 180 publications

207 projects

IEC Standards and Conformity Assessment (CA) Systems contribute to enhancing the health and status of women in society. In some emerging countries, enabling access to electricity and lighting can significantly improve the standards of living for all, and especially women. Enabling access to online education and medical services, ensuring the safety of household appliances, are only a few of the areas to which IEC Standards and CA systems contribute.



IEC and ISO Cooperation

Product Standards
Process Standards
Service Standards

Training package
Communication and
Engagement



Thank you

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