Gender Considerations Digitalization and Artificial Intelligence

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IEC Strategic Plan

Enabling a digital and all-electric society

1

Producing standards and conformity assessment solutions for a safe and secure digital society

2

Developing and deploying SMART Standards and Conformity Assessment that meet evolving market and member needs

3

Strengthening the role of IEC Standards and Conformity Assessment to deliver an all-electric and connected society

What happens without Digital Transformation and Smart Standards?

Manual efforts drive up costs in standards implementation

Standards authoring is both time-consuming and highly complex

Converting standards to different formats can be time-consuming

Low re-usability ex. terminology

Fewer and fewer young people involved in standardization

Referencing other standards is slow and inaccurate

Decreasing acceptance of standardization (in relation to “de facto” standards)

Digital transformation

- Enhanced decision-making
- Boosted productivity
- Improved customization and personalization
- Improved user experience
- Reduced costs

Technical work in relation to digitalization

- IEC TC 3: Documentation, graphical symbols and representations of technical information
- TC 8: System aspects of electrical energy supply
- TC 13: Electrical energy measurement and control
- TC 23: Electrical accessories
- TC 34: Lighting
- TC 47: Semiconductor devices
- TC 49: Piezoelectric, dielectric and electrostatic devices and associated materials for frequency control, selection and detection
- TC 57: Power systems management and associated information exchange
- TC 62: Electrical equipment in medical practice
- TC 65: Industrial-process measurement, control and automation
- TC 72: Automatic electrical controls
- TC 86: Fibre optics
- TC 100: Audio, video and multimedia systems and equipment
- TC 110: Electronic displays
- TC 119: Printed electronics
- TC 129: Robotics for electricity generation, transmission and distribution systems
- SyC SM: Smart Manufacturing
- SyC Smart Cities
- SyC Smart Energy
- SyC Comm: Communication Technologies and Architectures
- SyC AAL: Active Assisted Living

Fostering a sustainable world

4

Building an efficient, safe and sustainable world through IEC Standards and Conformity Assessment

5

Providing solutions and services for net zero, circular economy and sustainable development to meet UN SDGs

6

Championing energy efficiency, the renewable energy transition and next generation power systems

Renewable and clean energies

Paving the way for clean hydrogen

AI

Standards

Workshops

https://www.iec.ch/ai

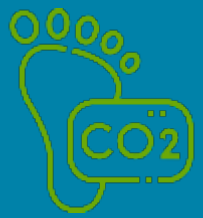
IECQ for circular economy

Environmentally conscious design (ecodesign) to

IEC 62430

Restricted/hazardous substances process management (HSPM) to

IECQ QC 080000



Carbon footprint claim verification to

ISO 14067

IEC Global Impact Fund

Making a difference

Four topics have been identified where IEC International Standards and IEC Conformity Assessment Systems can have a significant impact. They are:

Turning e-waste into **e-resources**

Electrical energy access in rural areas to advance education, health and economic development

Promoting **renewable energy**, **energy storage** and innovative **energy services**

Climate change, **energy efficiency** and **net-zero emissions**

Leading on trust, inclusion and collaboration

7

Collaborating with partners and stakeholders to enhance sustainable global trade in electrotechnology and increase the use and influence of IEC Standards and CA services

8

Embedding good governance and best practices to strengthen organizational excellence and meet stakeholder needs

9

Building an inclusive, diverse, innovative and agile organization

Gender considerations

Training

To support existing experts

ISO/IEC Collab

To work within different standards developments

Expert(ise)

Experts will bring with them their own consideration of gender

Thank you

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