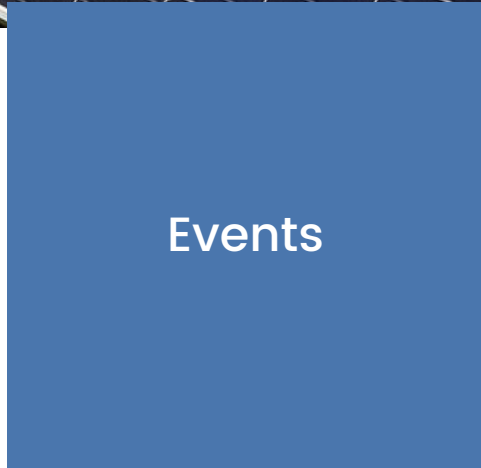


Electrical and Electronic Standards Committee (EESC) Annual Newsblast



Promoting importance of standards at Asia Clean Energy Summit (ACES) at SIEW 2023

On 26 Oct 2023, Standards partners Prof Tseng KingJet (Convenor of Working Group (WG) on TR 77), Er. Melvyn Thong (Convenor of WG on TR 25, Mr Niels de Boer (Co-Convenor of WG on TR 68-2) and Dr Thomas Reindl (Co-Convenor of WG on Solar PV Energy System) promoted the importance of standards in supporting national initiatives and emerging areas at ACES during the Singapore International Energy Week. They spoke passionately about TR 25 Electric vehicles charging system, TR 68 Autonomous vehicles, TR 77 Electrical energy storage systems, and TR 100 Floating photovoltaic power plants.



Young Professionals Awareness Workshop

On 26 June 2023, a young professionals awareness workshop especially geared towards the next generation of professionals was organized by EESC. .



EESC Annual Newsblast



Appreciation Lunch for contribution in the EESC (18th term of SSC)



On 16 June 2023, the Electrical and Electronic Standards Committee (EESC) Standard held its Standards Partners Appreciation Lunch in recognition of their significant contributions to the EESC programme.

Their contributions to EESC in the development & adoption of standards, international participation as well as promotional work of the EESC have helped to support the safety and quality of products & services for the Electrical & Electronics (EE) and related areas.

Events

TC onboarding session for new TC members (Term: Jan 2024 to Dec 2026)

On 05 March 2024, an onboarding session was held to welcome and brief the new members of the 3 TCs on their TC's work, ToR and the Singapore Standardisation Programme. The new members also interacted with the Chairs of EESC & the 3 TCs.



Standards Developed & Reviewed



Standards completed in FY 2023

Lighting

- SS IEC 62722-2-1: 2023 Luminaire performance – Part 2-1 : Particular requirements for LED luminaires

Smart Grid

- ·TR IEC/TR 61850-90-17:2023 Communication networks and systems for power utility automation – Using IEC 61850 to transmit power quality data
- ·TR IEC/TR 61850-90-16:2023 Communications networks and systems in power utility automations – Part 90-16 Requirement of system management for smart energy automation
- ·TR IEC/TR 61850-90-6:2023 Communication networks and systems for power utility automation – Part 90-6: Use of IEC 61850 for Distribution Automation Systems
- ·TR IEC/TR 61850-90-7:2023 Communication networks and systems for power utility automation – Part 90-7: Object models for power converters in distributed energy resources (DER) systems
- TR IEC/TR 61850-90-8:2023 Communication networks and systems for power utility automation – Part 90-8: Object model for E-mobility

17
Standards
completed
between
Apr 2023 to
Mar 2024



Standards Developed & Reviewed



Standards completed in FY 2023

Smart Grid

- TR IEC/TR 61850-90-9:2023 Communication networks and systems for power utility automation - Part 90-9: Use of IEC 61850 for Electrical Energy Storage Systems
- SS IEC 61850-7-420:2024 Communication networks and systems for power utility automation - Part 7-420: Basic communication structure - Distributed energy resources and distribution automation logical nodes

Electrical Energy Storage System

- TR 77-1:2020(2023) Electrical energy storage (EES) systems - Part 1: Planning and performance assessment of electrical energy storage systems - General specification
- TR 77-3:2024 Electrical energy storage (EES) systems - Part 3: Planning and performance assessment of electrical energy storage systems - Additional requirements for power intensive and renewable energy sources integration related applications

Electric Cables

- SS IEC 63294:2023 Test methods for electric cables with rated voltages up to and including 450/750 V



17
Standards
completed
between
Apr 2023 to
Mar 2024



Standards Developed & Reviewed



Standards completed in FY 2023

Solar Photovoltaic

- ·SS IEC 61701:2023 Salt mist corrosion testing of photovoltaic (PV) modules
- ·SS IEC 61730-1:2023 Photovoltaic (PV) module safety qualification – Part 1 : Requirements for construction
- ·SS IEC 61730-2:2023 Photovoltaic (PV) module safety qualification – Part 2 : Requirements for testing
- ·TR IEC/TS 62915:2024 Photovoltaic (PV) modules – Type approval, design and safety qualification – Retesting
- TR 117:2024 Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Photovoltaic modules and plants – Outdoor infrared thermography

Smart Plugs and socket-outlets

- TR 116:2023 Specification for smart switched socket-outlets

17
Standards
completed
between
Apr 2023 to
Mar 2024



Articles



Caselets Published in FY 2023

- [Powering a Sustainable Future with TR 100:2022 – Floating Photovoltaic Power Plants](#)
- [Powering a Greener Future with TR IEC/TS 62600 – Wave and Tidal Energy Converters](#)

Caselets



News & Announcements



From left: Mr Andrew Chow (EESC Chair), Ms Choy Sauw Kook (DG/QE, EnterpriseSG), Mr Philip Ong (Panasonic), Dr Lee Teck Kheng (ITE College Central), Mr Tay Jih-Hsin (SSC Chair)

Special Recognition: IEC 1906 Award, 2023

In recognition of their invaluable contributions and dedication to IEC Standards Work

Dr Lee Teck Kheng

ITE College Central
WG Co-convenor on Semiconductor Devices
SG expert in IEC TC 47 on Semiconductor Devices

Mr Philip Ong

Panasonic R&D Center Singapore
WG Convenor on City Service Continuity
SG expert in System Committee on Smart Cities



The IEC 1906 Award was established in 1906 and honours technical experts around the world in recognition of their exceptional achievements that contribute in a significant way to advancing the work of the Commission

News & Announcements



Upcoming Events

Young Professionals Standards Bootcamp

Join us in September 2024 for the Young Professionals Standards Bootcamp organised by the Electrical and Electronic Standards Committee (EESC)

This Bootcamp aims to provide young professionals (YPs) with an overview of the standard development framework with step-by-step process of how Singapore Standards are developed. The YPs will also take part in a simulated Working Group meeting and experience how consensus is reached when developing a standard.



Upcoming New Initiatives & Standards



Upcoming Standards for New Initiatives in 2024

Standards in Development

- Standards for Electric Harbour Craft Charging Systems
- Standards for Secondary Cells and Batteries
- Standards for Semiconductor devices

Standards in Discussion

- Standards for Remote Monitoring and Diagnostic of Lifts
- Standards for Offshore wind energy systems
- Standards for Intruder Alarm Systems
- Standards for Safety of Machinery

Upcoming International Events to be hosted in Singapore

Event Name - IEC SC 121B/MT2 Meeting
Event Date - 16 Apr 2024 to 19 Apr 2024
Expected International Attendees - 30

Important Weblinks

[Singapore Standards](#)
[IEC website](#)
[ISO website](#)

Standards for New Initiatives

