

Seminar: Standards for traditional and smart wiring accessories

14 November 2024 (Thursday)
1:30pm – 5pm



ABOUT

The Seminar will provide key updates on the following standards:

- **TR 116:2023 (New Standard)**
Specification for smart switched socket-outlets
- **SS 241:2024 (Revised Standard)**
Specification for general requirements for electrical accessories
- **SS 702:2024 (Previously TR 54)**
Specification for smart plugs for homes

TR 116:2023 is intended to be used in conjunction with SS 145-2 to align the ratings, configuration and mounting with that of an ordinary switched socket-outlets (SSO) whilst new requirements to cover the monitoring and remote-control function for the device, known as smart switched socket-outlets (SSSO), are specified in this TR.

SS 241:2024 specifies requirements and tests to check the safety in normal use of electrical accessories which are not covered by other specific Singapore Standards. Such accessories are intended for use in household, commercial and light industrial premises where:

- the nominal supply voltage does not exceed 250 V a.m. single-phase, 50 Hz to 60 Hz or 250 V d.c.;
- the rated current of the accessory does not exceed 63 A.

This standard also covers plug-in and other accessories in which electrical accessory components such as plug-pins, socket-contacts, switches, terminals, etc. are incorporated and maintenance free accessories.

SS 702:2024 covers specific safety and performance requirements of a smart plug that is constructed as an integral unit incorporating both a 3-pin plug portion and a shuttered socket-outlet portion. These portions come with built-in functions to facilitate remote controlling or monitoring of home appliances, energy measurement, and other optional functions.

WHO SHOULD ATTEND

Consumers, Importers, Manufacturers, Contractors, Consultants, Architects, Testing Bodies and Regulators

SEMINAR HIGHLIGHTS

- ✓ Learn more about the background and scope of TR 116:2023. SS 241:2024 and SS 702:2024
- ✓ Participants will benefit from the explanations and illustrations of these standards
- ✓ Eminent speakers will share on the various aspects covering regulations, applications, installations and cybersecurity on these standards

PROGRAMME

1330	Registration of Seminar
1400	Welcome Address Mr Andrew Chow <ul style="list-style-type: none">• <i>Chair, Electrical and Electronic Standards Committee</i>
1415	Highlights of TR 116:2023. SS 241:2024 and SS 702:2024 Er. Lim Say Leong <ul style="list-style-type: none">• <i>Chair, Technical Committee on Electrical and Electronic Products</i>
1445	Testing and Certification of smart wiring accessories Mr Stanley Ong <ul style="list-style-type: none">• <i>Member, Technical Committee on Electrical and Electronic Products</i>• <i>Intertek Testing Services (Singapore) Pte Ltd</i>
1505	Refreshment Break
1530	Importance of cybersecurity for smart wiring accessories Speaker to be confirmed
1550	Benefits of Smart Wiring Accessories from Energy Utilisation/Transition Scope Prof Sanjib Kumar Panda <ul style="list-style-type: none">• <i>Member, Working Group on Smart Switched Socket Outlet (Remote Switching)</i>• <i>National University of Singapore</i>
1610	Consumer product safety for smart wiring accessories Mr Andrew Yap <ul style="list-style-type: none">• <i>Deputy Chair, Technical Committee on Electrical and Electronic Products</i>• <i>Enterprise Singapore</i>
1630	Closing and Q&A Er. Lim Say Leong <ul style="list-style-type: none">• <i>Chair, Technical Committee on Electrical and Electronic Products</i>
1700	End of Session

Programme is subject to change without prior notice

SEMINAR DETAILS AND HOW TO REGISTER

Date: 14 November 2024 (Thursday)
Time: 1:30pm – 5:00pm (SGT)
Venue: NTU@one-north, LT301, Level 3, 11 Slim Barracks Rise, Singapore 138664
Fee: Free with purchase of a copy of any of the following standards: TR 116:2023, SS 241:2024 and SS 702:2024 (at a 20% discounted price)

Please visit <https://www.singaporestandardseshop.sg> to purchase the standard(s) or contact the following:

Mr Rahman Daud
Email: rahmandaud@toppannext.com
Tel: 6826 9629

Upon your purchase of TR 116:2023 or SS 241:2024 or SS 702:2024, you will receive a confirmation email with details on how to register for the seminar from TOPPAN Next Pte Ltd.

Please register your interest for the seminar by **12 November 2024**.

For enquiries on the seminar, please contact **Mr Sim Chen Han** at chenhan.sim@ntu.edu.sg

Supported by:



Nanyang Technological University – Standards Development Organisation (NTU-SDO)

NTU-SDO is supported by Enterprise Singapore and endorsed by the Singapore Standards Council to manage the development and promotion of standards under the Electrical and Electronic Standards Committee.

www.enterprisesg.gov.sg/standards

The Singapore Standards Council facilitates the development, promotion and review of standards for enterprise growth under the national standardisation programme overseen by Enterprise Singapore.

© 2024 Enterprise Singapore

[Terms of Use](#) | [Privacy Statement](#)