



**One-Day Seminar On IEC 60364 Standard**

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The Electrical Engineering Technical Division (EETD) has successfully organised **One-Day Seminar on IEC 60364 Standard** in corporation with Schneider Electric Industries Malaysia on 11<sup>th</sup> October 2017 at Selangor Ballroom Foyer, Dorsett Grand Subang. The seminar aims to disseminate knowledge of IEC 60364 standard overview and development, protection for safety, selection and erection of electrical equipment, and special installations or locations to the participants. The speaker was Mr. Jacques Peronnet who is the Chairman of TC64 “Electrical Installations and Protection Against Electric Shock” for the period from July 2017 to June 2023.

The registration started at 8:30am. A total of 221 participants registered and attended the seminar. At 9am, welcoming remark was given by the Schneider Country President. Then, the seminar started with a walkthrough the history of IEC 60364 by Mr. Jacques Peronnet. The motivation behind the establishment of IEC 60364 was to prevent fire incidents due to electricity usage. In 1967, IEC/TC 64 was created with the task to pilot safety in the field of protection against electric shocks. The present targets set for IEC 60364 was for it to be adopted internationally as a guidance for the elaboration and deliberation of national standards. Indirectly, international trade will also be promoted.

The IEC 60364 is composed of 6 main parts namely:

Part	Topic
1	Main principles
4	Safety protection
5	Selection and erection of electrical equipment
6	Verification and tests
7	Special locations
8	Functionality

The above mentioned parts are further subdivided into chapters which are further divided into sections. From sections, they are further divided into articles which are further divided into paragraphs.

Then, Mr. Jacques talked on IEC 60364-1 (Part 1) by highlighting several earthing systems such as TT, TN and IT. This was followed by sharing on IEC 60364-4: Protection for safety. The IEC 60364-4 encompasses protection against thermal effects, overcurrent as well as voltage and electromagnetic disturbances. After that, a networking coffee break took place.

Next, Mr. Jacques presented on IEC 60364-5: Selection and erection of electrical equipment which encompasses common rules, wiring systems, isolation switching and control, earthing arrangements, other equipment (luminaires) and safety service. He then proceeded with IEC 60364-6 (Verification of Installations). He ended his presentation with another part which is IEC 60364-7: Special installations or locations by citing an example of medical locations. The session then breaks for lunch.

After lunch, Ir. Lim Kim Ten presented an “Overview of Latest Implementation of Requirements of MS IEC 60364, in Regulatory Regime, National Standards, Code of Practices, Guidelines and Gaps”. MS IEC 60364 is basically a national adoption of the mother IEC 60364 standards. This was followed by a presentation on “UPS Technology” by Mr. Yam Hong. The seminar ended with a question and answer session.

Photos below summarised the seminar



