

# An Outreach Initiative by TEEAM-SWO

## Cum TC 10: "Electrical Installation, Protection and Insulation Practice"

*Forum for Public Comments on the final draft Malaysian Standards:*

- \* **MS 61000-5-1: Electromagnetic Compatibility (EMC)** - Part 5: Installation and Mitigation Guidelines - Section 1: General Consideration; and
- \* **MS 61000-5-2: Electromagnetic Compatibility (EMC)** - Part 5: Installation and Mitigation Guidelines - Section 2: Earthing and Cabling.

### Introduction

TEEAM is a SIRIM designated Standards Writing Organisation (SWO) since 20<sup>th</sup> August 1999. Over the 11 years, TEEAM-SWO as the Chair & Secretariat for SIRIM TC 10: "Electrical Installation, Protection and Insulation Practice" has developed and reviewed a number of standards; both indigenous as well as adopting and adapting IEC standards. Amongst which is the MS IEC 60364 and TEEAM-SWO proceeded further to develop the Guide to MS IEC 60364 for Electrical Installations of Buildings which is MS 1936: 2006, together with its companion Malaysian Code of Practice on Electrical Installations of Buildings (MS 1979:2007) which now forms the referral standard in ST's Installation Guidelines for Electrical Installations in the Electricity Supply Industry.

In the light of the importance regarding EMC concerns and Power Quality (PQ) issues; and to complement and supplement MS IEC 60364 and other standards of the MS IEC 61000 series developed by SIRIM TC 8 - The Technical Committee on PQ; TEEAM-SWO seriously considered the available IEC Technical Reports (TRs) on Part 5 of the IEC 61000 series. After a period of site evaluation of the recommended practices which proved suitable and they conform to Malaysian practices; TEEAM-SWO (cum TC 10) then further developed and adapted the IEC TRs as the Malaysian Standards; the final drafts of which are listed in the caption.

The process of developing Malaysian Standards is to achieve consenses among stakeholders. In this instance, whilst the two referred draft standards are now opened (by SIRIM) for public comments in the months of August & September 2010; TEEAM-SWO (TC 10) has embarked on an outreach initiative to stakeholders to seek feedback to these two important standards. Accordingly, TEEAM-SWO; with the assistance of "Asia iKnowledge" will hold a public forum on the two draft standards referred above on 30<sup>th</sup> September 2010 at Hotel Singgahsana Petaling Jaya.

Though TEEAM-SWO is the designated Chair & Secretariat for TC 10, other members (besides TEEAM's representatives) of the TC 10 are specialist representatives from the following organisations:

- Association of Consulting Engineers Malaysia
- Jabatan Bomba dan Penyelamat Malaysia
- Jabatan Kerja Raya Malaysia
- Sabah Electricity Sdn Bhd
- Syarikat SESCO Berhad
- SIRIM QAS International Sdn Bhd
- Suruhanjaya Tenaga
- The Institution of Engineers, Malaysia
- TNB Distribution Division
- Universiti Malaya
- Universiti Teknologi Malaysia

\* **BEM Approved 3 CPD Hours**

\* **CIDB Approved 3 CCD Points**

\* **HRDF-SBL Claimable**

\* **All delegates will receive a COMPLIMENTARY set of draft standard : MS 61000-5-1 and MS 61000-5-2**

\* **Lunch and refreshment will be provided**

**30<sup>th</sup> September 2010, 9.00 am to 12.00 noon**

**Hotel Singgahsana Petaling Jaya**

FOR REGISTRATION, PLEASE CALL (03) 78057905 or FAX (03) 78057906 or EMAIL to [info@iknowledge.com.my](mailto:info@iknowledge.com.my)

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Cum TC 10: "Electrical Installation, Protection and Insulation Practice"

## Presenters:

### **Engr. Rocky H.T. Wong FIEM, P.Eng.**

Engr. Rocky H.T. Wong graduated as an electrical engineer from the University of Malaya in 1965 and served some 16 years with the National Electricity Board (NEB) before resigning to venture into the Private Sector as a Consulting Engineer in 1980. Engr. Rocky H.T. Wong has been the President or the Chairman of the following organisations:- NEB Senior Officers Association; Association of Consulting Engineers Malaysia; Malaysian Bureau of Consultants; Federation of ASEAN Consulting Engineers, FIDIC Asia-Pacific Grouping of Engineering Consultants.

Engr. Rocky H.T. Wong, as a resource person and/or a volunteer, continues to serve numerous government agencies, civil society organisations (CSO's) and non-governmental organisations: PSDC, NAPSEC, MSDC, IEM, ACEM, BEM, SIRIM, CSIM, SBC, MBT, TEEAM, MTA, MICCI. Engr. Rocky H.T. Wong is the current Head Commissioner of AFEO's ASEAN Engineers Register (AER) and a founding Fellow of the ASEAN Academy of Engineering & Technology (AAET).

Engr. Wong writes and speaks extensively on the topic of globalisation and related issues. His S.E.T./ E.T.I. interests centre around environmental, power and energy.

### **Engr. Satha A. Maniam MIEM, P.Eng., C.Eng.**

Engr. Satha A. Maniam, the Managing Director of an engineering consultancy firm, has a B. Tech. in Electrical Eng. from IIT Madras, and an M.Sc. in Comp. Sc. from UCL London.

In his 20+ years of work experience he has done extensive work in trouble shooting of facilities from an EMC perspective, in particular, that of Lightning & Surge Protection, Grounding & Bonding. However over the years, this has progressively led to the inclusion of the broader spectrum of EMC, i.e. Power Quality, Mitigation of EMI, and ESD in the areas of design, supervision, and testing of Mission Critical Facilities.

He has provided these services for the following sectors: Aviation (PQ Audit for KLIA), Water (Y2K Migration of System, Selangor Water Works), Electrical (Control System Setup & Design, TNB), Oil & Gas (Technical Audit for Grounding and PQ), Rail (Modernisation of Railway Signaling, ASNALDO INDIA), Telecommunications (Design & Technical Consultancy, MAXIS), Broadcast (Design, Supervision & Testing of Grounding System, Al Jazeera Office PETRONAS Twin Towers KL), and Satellite Earth Stations (Design, Supervision, Testing & Commission of Lightning & Surge Protection and Grounding of Complete Facility, MEASAT).

He has also presented at numerous talks, seminars, and conferences, at both local and international levels on topics of Lightning / Surge Protection & Grounding, Signal Reference Planes / Grids, Noise Management, EMC, ESD, Power Quality Systems and SCADA Systems.

## Programme

8.30 am	Registration
9.00 am	Session 1 : MS 61000-5-1: Electromagnetic Compatibility (EMC) - Part 5: Installation and Mitigation Guidelines - Section 1: General Consideration;
10.00 am	Coffee Break
10.30 am	Session 2 : MS 61000-5-2: Electromagnetic Compatibility (EMC) - Part 5: Installation and Mitigation Guidelines - Section 2: Earthing and Cabling
11.30 am	Summary & Conclusion
12.00 noon	End and Lunch

**30<sup>th</sup> September 2010, 9.00 am to 12.00 noon**

**Hotel Singgahsana Petaling Jaya**

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30<sup>th</sup> September 2010, 9.00 am to 12.00 noon

Hotel Singgahsana Petaling Jaya

## REGISTRATION FORM

I would like to register for the technical forum as above:

Name:

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I/C / Passport No.:

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Membership No. (For IEM, TEEAM, ACEM)

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Address:

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Email:

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Contact No:

---

Mobile No.:

---

Fax No.:

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Position / Designation:

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Company:

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### 4 EASY WAYS TO REGISTER

Call : +603-78808909

Fax : +603-78057906

Email : register@iknowledge.com.my

Mail : Suite 907, Kelana Centre Point, Block A,  
Jalan SS7/19, Kelana Jaya,

47301 Petaling Jaya Selangor, Malaysia.

### SEMINAR INVESTMENT

**TEEAM, IEM, and ACEM Members:** RM 80   
per pax

**Normal Registration:** RM 120 per pax

\*All delegates will receive a COMPLIMENTARY set of draft standard : MS 61000-5-1 and MS 61000-5-2; lunch and refreshment will be provided.

### REGISTRATION DETAILS

Registration will be on a first come first served basis. Kindly return this registration form before **27<sup>th</sup> September 2010** (by fax, email or post) together with a non-refundable fee made payable to "**ASIA IKNOWLEDGE SDN BHD**" to confirm your registration. Alternatively, you may bank in the fees to our bank account (details as shown below) and send us a copy the bank in slip. Payment is required in advance prior to the event date.

### PROGRAMME POLICY

Please note that consultant & topics is confirmed at the time of publishing. However, circumstances beyond the control of the organisers may occurs. Asia iKnowledge reserves the right to alter or modify the advertised speakers / topics if necessary.

### PAYMENT DETAILS

#### 1. Direct Deposit

Company Name: **Asia iKnowledge Sdn. Bhd.**  
Account number: **512352310681**  
Bank: **Maybank - 115-117 Block E, Kelana Park View, No.1 Jalan SS6/2, Kelana Jaya, 47301, PJ, Selangor, Malaysia.**

\* Please instruct your bank to pay all transfer charges from your account and send in a copy of remittance advice by email / fax.

#### 2. Bank Cheque

Payable to "**ASIA IKNOWLEDGE SDN BHD**"

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Authorized Signature &  
Company Stamp

Date

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