

NATIONAL CONSULTATION ON DRAFT MALAYSIAN STANDARDS: INSTALLATION METHODS AND SPECIFICATION OF CABLE LUGS AND CABLE LINKS (REVISION ON MS 1779 & MS 1838)

AUDITORIUM DATO' YAHAYA AHMAD, SIRIM BERHAD, SHAH ALAM

22 SEPTEMBER 2015

APPLIED CPD/PDP/CCD POINTS FROM BEM & CIDB

INTRODUCTION

Electrical connections come in two forms which are the end terminations and joints between two conductors. A good electrical connection is one that is able to conduct current safely at a low temperature, resulting in energy saving, and should last for many years (30 years or even longer) and if made correctly; much longer than the cable itself. Generally there are three important factors in executing a good electrical connection which are the type of connectors, crimping tools and dies used and last is workmanship. All the three factors will be discussed in detail and actual cases of right and wrong applications will be presented.

The consultation purposes are to obtain information from the interested parties and stakeholders. Therefore, all views and feedback are very crucial input for the drafts of MS 1779 as well as MS 1838.

Technical Committee on Electrical Installation, Protection and Insulation Practice which developed the MS referred to in this event was established within the Malaysian Standards Development System under the purview of Standards Malaysia, a government agency under the Ministry of Science, Technology and Innovation (MOSTI). TC on Electrical Installation, Protection and Insulation Practice which developed this Malaysian Standard was managed by The Electrical and Electronics Association of Malaysia (TEEAM) in its capacity as an authorised Standards-Writing Organisation.

Tentative Program

Time	Activity
8.30am	Arrival and Registration
9.00am	Welcoming Speech By Ir Chew Shee Fuee, TEEAM President
9.10am	Overview of MS on Cable Lugs By Ir Rocky H. T. Wong (TEEAM SWO Chairman)
9.30am	Understanding the various standards for connections; MS1540, MS1779, MS1838, MS2584; and Crimping type hexagon dies for cable lugs, cable links and the rounding dies for sector cable - Installation method and specification for the materials, marking and dimensions and Q & A By Mr Ng Choon Guan
10.10am	How to achieve good electrical connections and Q & A By Mr Ng Choon Guan
10.30am	Coffee Break
11.00am	Electric Cables vis-à-vis Joints & Terminations and Q & A By Mr Lokman A. Dahlan
11.45am	Demonstration of proper crimping with the right tools
12.20pm	Overall Q & A
12.50pm	Wrap-up of session by Ir Rocky H. T. Wong
1.00pm	Consultation End ~ Lunch



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Registration

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(Limited seats) - 'First Come First Serve' basis

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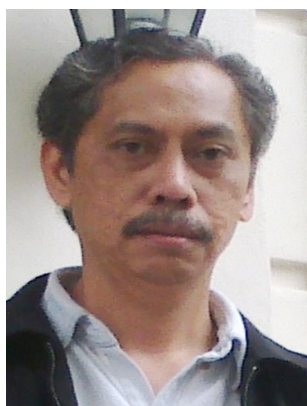
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Ir Rocky Wong Hon Thang (aka Rocky H.T. Wong), 'Chair' of TEEAM SWO/SIRIM-Ej TC 1 since 1999, is a retired practitioner (consulting engineer) but continues to service the engineering fraternity (as a volunteer and resource person); has some 50 odd years experience in the electrical engineering industry and the related power and energy sector.



Mr. Ng Choon Guan obtained his tertiary education in Electrical Engineering from Tai Chung Senior V.I. School (Electrical Engineering), Taiwan in 1969. He started his career in the engineering field working on electrical maintenance and subsequently on mechanical and electrical projects. In 1979 he started Conway Terminals Manufacturer Sdn Bhd, a company producing cable connectors and related electrical tools. Conway has been growing steadily over the years and today the company offers a wide range of quality electrical conductor jointing and termination products and tools. Conway's cable lugs and bi-metal lugs are type-test to MS 1540:2002 and IEC 61238-1 respectively. Mr. Ng has also been instrumental in setting up and operating other related outfits such as Taian Jaya Electric Sdn. Bhd. (Manufacturing of magnetic contactor, overload relay and motor starter) and Conlap Precision Industries Sdn. Bhd. (Manufacturing of tools and dies, stamping of electrical component parts).



Mr Lokman A. Dahlan graduated from University of Memphis in 1985 with a Bachelors Degree in Electrical Engineering. He is currently Deputy General Manager & Chief Engineer at Power Cables Malaysia (a JV company between Lembaga Tabung Angkatan Tentera (LTAT) and the Prysmian Group), responsible for overall Plant operations. He has dedicated his working years in design, testing, diagnostics, manufacturing & installation systems of electric cables for the company under the technical support of BICC plc (UK), General Cable (USA) and Prysmian S.p.A (formerly known as Pirelli Cables). His work includes technical liaison with regional Utilities and multinational corporations on cable designs and project works both locally and abroad. He is formerly Chairman of the Technical Committee (1997-2010) for the Malaysian Cable Manufacturers' Association (MCMA) but retains in service as Technical Advisor to the association. After more than a decade, he also maintains the position as Chairman of the Standards Writing Organisation (SWO) for Cables & Cable Accessories under the purview of SIRIM. In this capacity, he is also a member of the ISC E. As a member of IEEE, he has participated in the activities of the Insulated Conductors Committee (ICC) under the Power & Energy Society, and has contributed to the regional development of utility and project specifications and national standards on electrical cables. His special interests include determination of cable ratings and failure analysis.

Closing Date: 21 September 2015

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