

Attachment No. 3



29 October 2009

To: Frank Ruffino, (Chairman EIA CE2.0)
Carl Fritz, (Secretary EIA CE2.0)

From: Jeff Toran, (Deputy Technical Advisor for IEC TC48/SC48B)

C: Vince Pascucci (Technical Advisor for IEC TC48/SC48B)

RE: IEC SC48B Connector - Working Group standards meetings – Fall 2009 update

Connector and test method related items, TC48 and SC/WGs:

Attendees from the following connector companies – France, Germany, Japan, Italy, Netherlands, Sweden, United Kingdom, and United States.

1) Preparation of several new or revised Mod Jack standards continues. As higher data rates are achieved for copper cabling, several connector standards and related test method standards are being prepared to distinguish performance levels consistent with ISO/IEC home and office building telecommunications (including data exchange) standards. The status of these 60603-7 series standards is:

- 60603-7 Ed. 3 – Published 3Q2008.
- 60603-7-1 Ed. 1 – Published in 2Q2009
- 60603-7-2 Ed. 2 – Published in 1Q2010
- 60603-7-3 Ed. 1 – published in 2008.
- 60603-7-4 Ed. 1 – published in 2006.
- 60603-7-5 Ed. 2 – new edition will be published 1Q2010
- 60603-7-7 Ed. 3 – new edition will be published 1Q2010
- 60603-7-41 Ed. 1 – variant of 60603-7-4; will be published 1Q2010
- 60603-7-51 Ed. 1 – variant of 60603-7-4; will be published 1Q2010
- 60603-7-71 Ed. 1 – variant of 60603-7-4; will be published 1Q2010.

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- 2) IEC/PAS 61076-2-108 Glass to metal seal variant of 61076-2-101: the PAS document was published in 2Q2009.
- 3) Two circular connector standards are being prepared to support the PROFIBUS protocol for industrial equipment communications/data exchange. A third standard was published in 2006.
- 4) The ISO/IEC/JTC1/SC25 committee (telecomm cabling committee referenced in (1) above) has requested SC48B to prepare a regarding a 'hot' mating/unmating test for *Power over Ethernet* applications. There is a good deal of concern about erosion of the contact surfaces from "hot" mating/unmating. Mr. Yakov Belopolsky (Bell-Stewart Connectors) and Mr. Matthias Gerber (Reichle de-Massari Connectors) coordinated testing to evaluate the degree of erosion that occurs at the voltages requested by the ISO/IEC committee. The report they prepared will be published as an IEC Technical Report in 1Q2010 (delayed for editorial reasons).

Also, a new activity is going to be started (at the request of ISO/IEC/JTC1/SC25) for a Technical Specification for *Power over Ethernet Plus* applications. Timing still needs to be defined.

- 5) First editions of several IEC 60512-19, 20, 21, and 23 series standards are under preparation and will be published in late 2010.
- 6) Three new 60512 standards for high speed signal measurements for the 60603-7-4, -5 and -7 connectors are being prepared. They will be:
 - 60512-26-100 (suitable for 250 MHz),
 - 60512-27-100 (suitable for 500 MHz), and
 - 60512-28-100 (suitable for 1000 MHz).

The 60512-26-100 has been published. The 60512-27-100 document has been revised to align it with a corollary standard published by the TIA organization. This standard will be published in mid-2010. A new 60512-28-100 standard has been approved and will be published in 2011.

- 7) A new edition of the IEC Press-in termination standard (IEC 60352-5) is being prepared. Unfortunately most of the changes will be corrections to errors made in reformatting the last edition document. It will be published in 2010.
- 8) A new IEC 60352 series standard for compression terminations is under preparation; will be published as IEC 60352-8. It will be published in 2010.

The next scheduled meetings are for the three Working Groups is May 2010.