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ISO/IEC JTC 1/SC 25/WG 3
Customer Premises Cabling
Secretariat: Germany (DIN)

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TITLE:	**Draft liaison report from ISO/IEC JTC 1/SC 25/WG 3 to IEEE 802.3 on telecommunications cabling issues to support IEEE P802.3at PoEP**
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Liaison report from ISO/IEC JTC 1/SC 25/WG 3 to IEEE 802.3 on telecommunications cabling issues to support IEEE P802.3at PoEP

To: **IEEE 802.3**
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(Bob Grow, bgrow@ieee.org)
Chairman, IEEE 802.3at
(Michael McCormack; mike_mccormack@TI.COM)

From: **ISO/IEC JTC 1/SC 25/WG 3**
43rd meeting
Jeju island, Republic of Korea, 2007-09-03/06
Date: 2007-09-19

1 Introduction

The ISO/IEC JTC 1/SC 25/WG 3 thanks IEEE 802.3 for the liaison letter of March 15, 2007 (document SC 25/WG 3 N 833) related to providing power over Ethernet Plus (PoEP) using balanced twisted pair structured cabling. WG 3 had very good discussions with several IEEE 802.3 experts who attended the WG 3 and POE Adhoc meetings.

2 Development of a Technical report

Based on these discussions, WG 3 agreed to initiate the circulation of a NWIP for a technical report titled “Telecommunications cabling guidelines for remote powering of data terminal equipment” including the following objectives:

- Show current capacity table with a temperature rise of 5 °C, 7,5 °C, 10 °C, 12,5 °C, and 15 °C, for typical installations of ISO 11801:2002 Class D cabling (including 100 bundle).
- Provide some guidelines for determination of current capacity of installed cabling systems using references to existing models, installation requirements, and conditions

3 Answers to questions from IEEE (02.3

With regard to the questions and observations that were communicated to SC 25/WG 3 in WG 3 N 833, WG 3 has the following responses:

New Question 10: References temperature e.g. operating temperature, does this apply to the outside of the jacket or the inner conductor?

Answer: Inside of the cable at the copper conductor surface

New Question 11: Can you please advise us of the test methods or qualification of cable for reliability to support PoE applications.

Answer: No, there are no specific tests covering PoE among the ones given for signal transmission in ISO/IEC 11801 and related standards.

Observation 1 Response: Can you please advise us of the test methods for qualification of connectors to support PoE applications.

Answer: No , there are no specific tests covering PoE among the ones given for signal transmission in ISO/IEC 11801 and related standards.

We look forward to continue our cooperation and will keep you informed as we make further progress on these issues.