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INTERCONNECTION OF INFORMATION TECHNOLOGY EQUIPMENT
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P-, L-, O-Members of SC 25,
IEEE 802.3

ISO/IEC JOINT TECHNICAL COMMITTEE 1

SUBCOMMITTEE No.25: INTERCONNECTION OF
INFORMATION TECHNOLOGY EQUIPMENT
WORKING GROUP 3: CUSTOMER PREMISES CABLING

56th Meeting of WG 3
Kyoto, Japan 2014-02-25/03-01

Title: Response to IEEE 802.3bt task force communication on higher levels of Power over Ethernet on balanced cabling channels

To

Chad Jones, Chair, IEEE 802.3bt 4-Pair Power over Ethernet Task Force, (cmjones@cisco.com)

CC

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Dear Mr Jones,

ISO/IEC JTC 1/SC 25 WG 3 would like to thank you for your liaison letter relating to the impact of higher levels of Power over Ethernet on balanced cabling channels, as agreed at your Indian Wells Task Force meeting in January 2014.

At the recent ISO/IEC JTC1/SC 25 WG3 meeting held from 25 February to 01 March in Kyoto, Japan, our liaison officer Mr. Alan Flatman reported on the progress of the IEEE 802.3bt Task Force and explained the request from the Task Force for extending ISO/IEC TR 29125 to support increased power levels anticipated by the Task Force.

At this meeting, ISO/IEC JTC1/SC 25 WG 3 confirmed the information content of ISO/IEC TR 29125 "Information Technology – Telecommunications cabling requirements for remote powering of terminal equipment" remains valid. It was further agreed to revise ISO/IEC TR 29125 with the directions to:

1. investigate increasing the current capacity to 1000 mA per pair (500 mA per conductor) with corresponding bundle sizes
2. coordinate with IEC SC 46C to develop pair to pair resistance unbalance requirements
3. coordinate with IEC SC 48B to develop additional guidelines to those in IEC 60512-99-001 for qualifying connectors for un-mating under the higher current capacities needed by IEEE 802.3bt.

There is much interest and activities around this project and we have the following questions and comments to help us in the revision of ISO/IEC TR 29125.

1. What is the expectation for pair to pair resistance unbalance?
2. Are you satisfied with the existing resistance unbalance within a pair?
3. It will be useful to have your project plan

We look forward to working with you on this important project in support of remote powering applications using balanced twisted pair cabling.

Sincerely,

Dr. Albrecht Oehler (Convenor ISO/IEC JTC 1/SC 25 WG 3)