



# ISO/IEC JTC 1/SC 25/WG 3 N 864

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

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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**  
**Chairman 802.3**  
(Bob Grow, bgrow@ieee.org)  
**Chairman, IEEE 802.3at**  
(Michael McCormack; mike\_mccormack@TI.COM )

From: **ISO/IEC JTC 1/SC 25/WG 3**  
44th meeting  
Barcelona, Spain, 2008-02-18/22

Date: 2008-02-22

### **Re: Update on telecommunications cabling to support IEEE 802.3at PoEP**

ISO/IEC JTC 1/SC 25/WG 3 is pleased to let IEEE 802.3 know that the new work item proposal (NWIP) for developing technical report ISO/IEC TR 29125 "Telecommunications cabling guidelines for remote powering of data terminal equipment" has been approved. WG 3 has started developing the content of this technical report and will send it to IEEE 802.3 for review as it becomes available.

SC 25/WG 3 is providing IEEE 802.3 with the following update to the action items in liaison report SC 25/WG 3 N847A of September 2007. The current capacity for different temperature rise in a 100-cable bundle in a typical installation of category 5 cables with all pairs energized is shown in table 1.

**Table 1 - Current capacity for a category 5 100-cable bundle**

<b>Temperature rise</b> ° C	<b>Current carrying capacity</b> mA
5	420
7,5	550
10	600
12,5	680
15	720

SC 25/WG 3 looks forward to continue co-operation with IEEE 802.3 and will keep IEEE 802.3 informed as WG 3 makes further progress. The next meeting of SC 25/WG 3 is scheduled for 2008-10-20/23.