

Meeting Minutes SCC18 Adhoc  
February 21, 2018  
1PM ET

13:02 Meeting called to order.

Adhoc Chair reviewed agenda slides, covered the IEEE patent policy and participation rules.

13:03 Chair informs the group that minutes for the previous meeting are posted, asked if anyone that wanted to review the minutes hadn't had the chance to review, and asked if there were any changes to be made to the minutes. None responded. Chair instructs the webmaster to change the status of the 2/7/18 minutes to approved.

13:04 The Chair then moved into the main agenda for the meeting: continue reviewing specific First Revision selections from the Jan 8-19 Hilton Head meetings. The files are posted on the public site under the Feb 7 meeting section (links to password protected area), URL: [http://www.ieee802.org/3/ad\\_hoc/SCC\\_18/public/index.html](http://www.ieee802.org/3/ad_hoc/SCC_18/public/index.html)

FR7856 – adds a definition for 'Broadband'. The adhoc recommends that 802.3 support the FR.

FR7862 – adds a definition of 'Communications Service Provider'. The definition of a communications circuit is 'a circuit that connects to a Communications Service Provider.' This defines the scope of 800. The idea behind the definition is to include the unregulated side and the regulated side. The adhoc recommends that 802.3 support the FR.

FR7859 – adds definition of 'Premise Powered'. The adhoc will not forward to 802.3 for consideration as this is a 'don't care'.

FR7892 – The adhoc recommends reject of this FR. First: CMP16 changed the term 'nominal' to rated. The term 'nominal' was chosen specifically because it did not have existing meaning in the NEC or UL standards. The Term rated has an existing meaning in UL standards which can be interpreted to limit the current variation to 10%, which is less than what is observed in PoE systems. It also does not include the pair-to-pair balancing that was implied with the term nominal. Second: the last sentence of the new informational note is incorrect and inflammatory. The proper reference is not Table 725.144 but the whole of 725.144. There are many ways to mitigate the bundle heating in 725.144 and the Table is but one of them. Second, this sentence points out one way that one can cause problems if they don't follow the code. It is not customary to list the ramifications of not following the code. This sentence appears to only serve to attempt to damage the term PoE. Third: there was TIA issued via appeal that was rewritten in this FR causing the problems covered above. Additionally, the FR doesn't include the definition for 'nominal current' contained in the TIA. It's understood that the CMP replaced 'nominal' with 'rated' and no definition of rated current is provided. The use of rated current in this FR is different than the parallel section in 725 where CMP3 specifically chose not to use rated. We request this is the text for a ballot comment with a vote to reject.

FR8757 – removes the exception for Chapter 8. The adhoc recommends reject of this FR. The opposition to this FR is less based on what the intent of the FR than on the problems inherent in the process. This FR would require that all exceptions granted by the standalone nature of Chapter 8 would need discovered and dispersed throughout the document. This is a tremendous amount of work that hasn't been scoped. The PI that led to this FR states: "The task group wishes to revise 90.3 as proposed based upon our ability to ensure there is no negative impact on the telecommunications industry." Where is the evidence that the TG has the ability to ensure there is no negative impact on the telecommunications industry? In order to achieve 'no negative impacts', additional PIS would need submitted and approved. No such PIs have appeared.

Revisit FR 8859 – recommend to accept with a ballot comment: This FR only implements part of TIA1299. Specifically, it is missing the labelling exception for ports where nominal current is less than 0.3A. Nearly half a billion ports of these power sources have shipped over the past 15 years without any demonstrated record of loss. They provide less than 0.3 amperes nominal current per conductor. Updating the large variety, breadth and number of these types of power sources represents an undue burden on industry. Changing the labeling to align with the 'nominal current' specification of the other changes removes this burden. We recommend reincorporating the exception in the Second Revision phase.

For convenience: here are the notes on the FRs reviewed in the Feb 7, 2018 meeting.

FR 8779 – adds a definition for 'bundle'. The group discussed the length in the definition and didn't agree that 1m equaled a 30C rise. It was accepted that it is better to have a conservative definition than none and that the adhoc would recommend that 802.3 support the FR. It was pointed out that the FR had a grammatical error that implied combed bundles would have less crosstalk. Will suggest an editorial fix of 'more signal crosstalk'.

FR 8790 – adds definition of nominal current. The adhoc recommends that 802.3 support the FR.

FR 8859 – this FR addressed the labeling requirement in 725.121 that was fixed with TIA 1299. CMP3 removed the 0.3A restriction. Rejecting the FR would revert the text to the TIA. The adhoc recommends that 802.3 reject the FR.

FR8941 – major modification to 725.144, both text and the table. Found several typos and a weird sentence structure that could lead to confusion. Table modification uses UL FFR numbers and natural mathematical rounding. This leads to simple inspection checks of: bundle >193? 24AWG? Good for Class 7; bundle >193? 23AWG? Good for Class 8. The adhoc recommends that 802.3 support the FR.

FR8932 – makes it clear how to adjust for elevated temperature and adds the 24AWG, 0.3A exception. The adhoc recommends that 802.3 support the FR.

FR8934 – adds temperature adjustment info for LP cables and also informs reader that LP cables can be use beyond their current rating using Table 725.144. The adhoc recommends that 802.3 support the FR.

The adhoc then reviewed the timeline provide by the IEEE-SA staff to the WG chair.

The next scheduled SCC18 adhoc call is February 28, 2017, 1PM ET. The group will review the draft liaison letter planned for presentation in the March 2018 Plenary closing meeting.

Other relevant upcoming meetings:

IEEE SCC18 Committee Meeting: March 12-13, 2018

14:10: Having exhausted the agenda, the meeting was adjourned.

Attendance:

Name	Employer; Affiliation	Present
Andrew Jimenez	Anixter; Anixter	
Arkadiy Peker	Microsemi; Microsemi	*
Bill Szeto	Retired; Unaffiliated	
Borhan Fathi	Nvidia; Nvidia	
Chad Jones	Cisco; Cisco	*
Craig Chabot	UNH-IOL; UNH-IOL	
Curtis Donahue	UNH-IOL; UNH-IOL	
David Law	HPE; HPE	*
David Tremblay	HPE; HPE	*
Fred Dawson	Chemours; Chemours	
Geoff Thompson	Unemployed; Unaffiliated	*
George Zimmerman	CME; Cisco, Commscope, LTC/ADI	*
Jeff Lapak	UNH-IOL; UNH-IOL	
Joel Goergen	Cisco; Cisco	
Jonathan Goldberg	STAFF	*
Ken Bennett	Sifos; Sifos	
Masood Shariff	Commscope; Commscope	
Mike Anthony	StandardsMichigan, LLC, StandardsMichigan, LLC	
Miklos Lucas	Silicon Labs; Silicon Labs	
Pat Roder	STAFF	
Paul Vanderlaan	Berk-Tek LLC; Berk-Tek LLC	*
Sesha Panguluri	Broadcom; Broadcom	
Steve Carlson	High Speed Design, Inc.; High Speed Design, Inc.	
Valerie Maquire	Siemon; Siemon	