

**IEEE P802.15
Wireless Personal Area Networks**

Project	IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)		
Title	Minutes of the Joint VHT/TG3c Teleconference Aug 20 th , 2008		
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Re:			
Abstract	Minutes of the Joint VHT/TG3c Teleconference Aug 20 th		
Purpose	Minutes of the Joint VHT/TG3c Teleconference Aug 20 th		
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Memo of the Joint Tele-Conference Call for VHT/TG3c**Date:** Aug 20th, 2008, 10.00pm in JST**Attendees:**

Reed Fisher (Oki), Eldad Perahia (Intel), Paul Nikolich (ATT), Gal Basson (Wilocity), Michael McLaughlin (Decawave), Vered Bar, Noam Livneh, Allert van Zelst (Qualcomm), Changsoon Choi (IHP), Luke Qian (Cisco), Bruce Kraemer, Yong Liu (Marvell), Bruce Bosco (Motorola), John Barr (Motorola), Philippe Chambelin (Thomson), Sven Mesecke (Buffalo, Inc.), Nobuhiko Shibagaki (Hitachi), Pengfei Xia (Samsung), Hiroyuki Nakase (Tohoku University), Stephen P. Pope (No affiliation), Jon Rosdahl (CSR), Raj Kulkarni (Spantas Inc), Padam Kafle (Nokia), Peter Loc (Ralink Technology), Makoto Noda, Hiroyuki Yamagishi, Keitarou Kondou (Sony), James Yee (MediaTek), Harkirat Singh (Samsung), Darwin Engwer (Nortel), Shuzo Kato, Akio Iso, Fumihide Kojima, Zhou Lan, Junyi Wang, Tuncer Baykas, Azizur Rahman, Chin-Sean Sum (NiCT)

- 1 Discussions on VHT60 PAR
 - 1.1 Doc. 11-08/0988r0. “Proposed changes to VHT60 PAR” presented by Eldad Perahia
 - 1.2 Reed Fisher commented that the wording “support mechanism” is vague and soft. The sentence “Supports mechanisms to enable coexistence with IEEE 802.15.3c” should be replaced by the sentence “Ensure coexistence with IEEE 802.15.3c”.
 - 1.3 Bruce Kraemer pointed out that the sentence “Ensure coexistence with IEEE 802.15.3c.” did not pass the EC meeting. Instead the word “supports mechanism” was proposed.
 - 1.4 Paul Nikolich stated that the EC is seeking means for the VHT and TG3c projects to coexist. Any language and choice of words that the two projects jointly bring forward will be adopted by the EC.
 - 1.5 Shuzo Kato clarified that:
 - 1.5.1 The text “Ensure coexistence with IEEE 802.15.3c” was proposed in the EC and voted down. It is not a proposal by VHT60 SG.
 - 1.5.2 The currently proposed text “Supports mechanism to enable coexistence with IEEE 802.15.3c and other systems in the band” in section 5.2 (in 11-08/0988r0 slide 5) is an improved version of the original text “Addresses coexistence with other systems in the band”.
 - 1.6 M. McLaughlin stated that “includes mandatory mechanism” can be used instead of “supports mechanism”
 - 1.7 Bob Huang stated that “support” should be replaced by the word “provide” or “ensure”.
 - 1.8 Vered Bar proposed the wording “mandate mechanism”.
 - 1.9 B. Kraemer asked to change the TG3c PAR to have similar coexistence wordings
 - 1.9.1 R. Fisher stated that TG3c will come up with a position by Hawaii Joint Meeting.
 - 1.9.2 S. Kato stated that it is difficult to change the PAR since the Letter Ballot was already passed.

- 2 Discussions on TG3c Modulation and Coding Schemes (MCS) and Performance Examples.
 - 2.1 Doc. 08/580r0. The summary of the current modulation and coding schemes for the 3c draft, single carrier (SC), high speed interface (HSI) OFDM and audio-video (AV) OFDM, presented by S. Kato.
 - 2.2 S. Kato explained that coexistence between different PHYs is realized through the Common Mode, a single carrier MCS mode which is mandatory for all piconet coordinator capable devices.
 - 2.3 E. Perahia mentioned that according to a channel model presentation in 08/811r1, the Library model of TG3c is the most suitable model for WLANs. He inquired the possibility of choosing a model for both WLAN and WPAN usage.
 - 2.4 S. Kato replied that TG3c will check 08/811r1. Although the TG3c TSV channel model includes Office, Residential and Desktop environments, it does not include Library environment. TG3c will include into its performance analysis any other models that fit into the usage of both WPAN and WLAN.
 - 2.5 P. Nikolich inquired the number of voters that is holding the voting right for both VHT and TG3c groups? S. Kato gave an estimation of about 15-20 people.
 - 2.6 E. Perahia inquired whether there are other presentations on the performance analysis. S. Kato replied that more results will be presented in the Monday meeting in Hawaii.

- 3 Discussion on Agenda for Hawaii Joint meeting
 - 3.1 VHT will have a teleconference on 21st Aug in JST, to follow up the PAR discussion. The results of the discussion will be presented in the Joint meeting in Hawaii.
 - 3.2 Coexistence mechanism will also be a topic of discussion in the Joint meeting in Hawaii.
 - 3.3 Steve Shellhammer will be invited to join the Joint meeting in Hawaii.