Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Other MAC/PHY adhoc – Minutes of the fourth conference call**
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Re:	
Abstract	Minutes of the fourth conference call of the Relay TG's Other MAC/PHY ad hoc, held on 30 April 2007.
Purpose	Information
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Other MAC/PHY Ad-hoc: Minutes of the fourth conference call
Peiying Zhu

Date and Time: Monday 30 April 2007, 13:00 GMT

Attenance:
Chair: Peiying Zhu
Vice-chair: Mike Hart
Participants:

Adrian Boariu	yes		Peiying Zhu	yes
Aik Chindapol	yes		Peter Wang	no
Bill Shvodian	no		Priscillica Santos	no
Changhoi Koo	no		Qu Hongyun	no
Chia-Chin Chong	no		Rakesh Taori	no
Dale Branlund	no		Ranga Reddy	no
Daqiang Gu	no		Robert Popoli	no
Dave Pechner	no		Roger Peterson	no
David Chen	no		Sean Cai	no
David Steer	no		Shashikant Maheshwari	no
Derek Yu	yes		Gamini Senarath	yes
Du	no		Shaw Tayler	no
Fujio Watanabe	yes		Shulan Feng	no
Fang-Ching (Frank) Ren	no		Shyamal Ramachandran	no
Gamini Senarath	yes		Suchang Chae	yes
Gerrit Hiddink	no		Sunggeun Jin	no
Gokhan Korkmaz	no		Sungjin Lee	no
haihong zheng	no		Suga Junichi	no
Hang Zhang	yes		Ulas Kozat	no
Hua-Chiang Yin	no		Wei-Peng Chen	no
I-Kang Fu	no		YoungBin Chang	no
Ismail Guvenc	yes		Young-il Km	no
Jae Hyung Eom	yes		Young-Jae Kim	no
Jerry Chow	no		Youn-Tai Lee	no
Jimin Liu	no		Yousuf Saifullah	no
John Lee	no		Yung-Ting Lee	no
Kanchei (Ken) Loa	no		Yufeng Zhou	yes
Keiichi Nakatsugawa	no		Wei Ni	no
Kim Olszewski	no		Geng Shen	no
Kumar Prachi	no			
Kyu Ha Lee	yes			
Li Anxin	yes			
Li Ting	yes			
Mary Choin	yes			
Mike Hart	yes			
Mike Webb	yes			
Mitius Nohara	no			
Mo-han Fong	no			
Moo Ryong Jeong	no			
Norin John	no			

Minutes:

The meeting started at 9:00am EST on 30 April 2007 with Peiying Zhu as chair and Mike Hart as vice-chair. The agenda emailed on 26 April 2007 was followed.

Roll Call

The participants listed above identified themselves as participating in the meeting.

Review action items and status of all contributions

7206r1

Mary initiated Email discussions with Yufeng and Derek to discuss the issues raised in the last two CC, however, there are not enough time to resolve the issues. Mary and Hongyue will continue the discussion via Email.

Yufeng mentioned that he will send a reply comment with an attached contribution to explain more details on the scheme used in baseline document.

Peiying requested Yufeng to share the contribution with the ad-hoc group.

7258

The authors are absent. Mike Hart summarized the status of this contribution. The authors sent out a revision to remove the IM-MIMO part, however, it is not harmonized with 7242 yet. There are some conflicting changes between two contributions: 7286 and 7242. We can not accept the contribution as it is written now. Mike suggested that the authors of 7286 contact authors of 242. (Details see mike's Email)

Aik said that they received an Email from Wen Ni, however, he has not gotten a chance to review the revision yet. Aik also mentioned that he sent an Email to Wen Ni and have not received response yet. Mike suggested Aik to send 242 word version to Wen Ni so that they can modify on top of it.

Mike made a technical comment on 258, he does not that the proposal from 7258 makes sense for the Uplink case.

Action:
Aik to send a word version of contribution 7242 to Wen Ni

7251r1

Mike Webb is working on revision r4 base on the discussion with Adrian. R4 should be able to address Adrian's concerns. In the last meeting, Mike Hart thought that some editorial changes are needed. However, during the process, Mike Hart found that there might be an issue related to network entry, especially for on cell edge RSs (see Mike's Email fro details).

Action:
Mike will finish the r4 and share with the group.
Mike Webb will work with Dale to see if they can make some changes for network entry.

7052r3

Suchang uploaded revision 52r7 and made it clear that new coding/modulations will not apply to MS. Mike commented that some editorial change needs to be done to make it more clear. Mike will do this.

Mike still questioned the benefit of the proposal and would like to see at least some link level curves to justify the reason to add these new coding /modulation.

Peiying commented that the current proposal is not complete. Adding new coding/modulation may require changes in the concatenation table and IR table.

Actions: (Suchang)
1. Provide link level curves for new coding/modulation
2. Check the concatenation table and IR table

7242r2:

Aik mentioned that there is only one common part between 7242 and 7258, he will pull one editorial comment from 258 r1.

Mike commented that the proposal may not be well aligned with the subcarrir mapping se defined in Cor2, specifically, the proposed example cases. Aik will check and discuss with Mike and Peiying.

7026r2

Mike is still working on the revision, and will send out an updated version out late today.

7227r2

There were Emails discussions to address the action items. Yufeng understood Ismail's explanation on the reason to add ARQ on RS link. Ismail provided an example on usage scenario, for example, MRS case, where link is less reliable. Yufeng still has concerns on the benefit of the scheme. There are difference methods to improve the relay link reliability, for example, changing power, coding and modulation. For multiple hop case, the delay will be large if there is a HARQ on MB-RS and RS link. Yufeng asked for simulation results, Ismail will consider doing some simulations. Ismail commented that there are benefits for certain cases, since this is optional feature, people may be able to use the scheme for those scenarios.

796r4

Hang had discussion with Haihong on CPS-lite, agreed to remove it for now. She uploaded the r6 which also include Mike's comments. Haihong is absent from the meeting. Peiying will send an Email to ask Haihong if she is satisfied with the changes. Mike requested Hnag to send word version so that he can make some final edits.

There is no objection to make a recommendation to accept the contribution pending on the confirmation with Haihong.

7250r5

The authors did not attend the last two CC or response any questions. Aik mentioned that Sunggeun may not be on the mailing list. Peiying will Email Sungeun.

If we do not receive any response from the Authors, the recommendation is to reject the contribution based on the following reason.

It is not clear that there is a need to have another intermediate ARQ considering we have H-ARQ and ARQ.

7286

Anxin sent Email to Peiying on channel estimation performance. Anxin also sent an Email to Mike to explain the benefit of higher order MIMO, Mike commented that the answer is a generic theoretical answer; it is not specific to the proposed scheme. Peiying requested Anxin to forward both Emails to the mailing list.

Mike commented that there are some editorial issues in the contribution.

Peiying asked if the proposed pre-coding scheme applies to PUSC permutation. Anxin said yes. Peiying then question whether one single pre-coding vector is effective for dispersive channel where channel is really different for each PUSC tile. Peiying asked why not use the scheme for AMC suchannel as it is in .16e for closed loop MIMO? Anxin will address Peiying's question.

Discuss recommendations

To accept the following contributions: 7172r3, 7194r3
To reject the contribution: 7207r2
To accept the contribution 796r6 pending the confirmation of Haihong.

Actions and plan for moving forward

Continue the Email discuss to resolve any remaining issues.

For the contributions we have not made any recommendations, based on the progress, Peiying will send Email on Friday to make some suggestions on the recommendation (please Email Peiying if you have any suggestions) Peiying requested people to watch for the Email.

The meeting was adjourned at 11:00am EST