IEEE802.16j TG Other MAC/PHY Ad-hoc Report

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Source:

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Venue:

    Conference Call

Base Document:

    None

Purpose:

    Informative

Scope of the Ad-Hoc

- Discuss the following contributions
  - PHY
    - 7251r2 (112), 7258 (L145), 7259r1 (L135), 7052r6 (L137), 7242r2 (60)
  - RRM, Scheduling & Interference Control
    - 7172r1 (L127), 7194 (L140), 7207r1 (LL150), 7026r1 (47)
  - Other MAC
    - 7206 (LL151), 7227r1 (L130), 7096r3 (1), 7250r4 (18)
- Discuss new contributions submitted to the ad-hoc before April 6, 2007 deadline
  - 7286 (A163)
- Make recommendation to the comments associated with the above contributions

Activities

- Number of people registered: 68, formed the other MAC/PHY discussion Email list
- Four conference calls
    1. April 4   @ 22:00 GMT see C802.16j-07/338
    2. April 19 @ 13:00 GMT see C802.16j-07/317r1
    3. April 26 @ 13:00 GMT see C802.16j-07/337
    4. April 30 @ 13:00 GMT see C802.16j-07/336
- All meetings announced to the E-mail list
- Attendance is recorded in the minutes
    - #1 CC: 38, #2 CC: 26, #3 CC: 25, #4 CC: 17
- Minutes were sent to the E-mail list and .16e WG reflector, uploaded to the server
- Email discussions via the E-mail list

List of people registered for the ad-hoc and attendance records

Name	Attend (April 4)	Attend (April 19)	Attend (April 26)	Attend (April 30)
Adrian Boariu	yes	yes	yes	yes
Aik Chindapol	yes	no	yes	yes
Bill Shvodian	yes	no	no	no
Changhoi Koo	no	no	no	no
Chia-Chin Chong	yes	no	no	no
Dale Branlund	yes	no	yes	no
Daqiang Gu	no	no	no	no
Dave Pechner	yes	no	no	no
David Chen	yes	no	no	no
David Steer	yes	no	no	no
Derek Yu	yes	yes	yes	yes
Du	no	no	no	no
Fang-Ching (Frank) Ren	no	yes	no	no
Fujio Watanabe	yes	no	no	yes
Gamini Senarath	yes	yes	yes	yes
Geng Shen	no	no	yes	no
Gerrit Hiddink	no	no	no	no
Gokhan Korkmaz	yes	no	yes	no
haihong zheng	no	yes	yes	no
Hang Zhang	yes	yes	yes	yes
Hua-Chiang Yin	yes	yes	no	no
I-Kang Fu	yes	no	yes	no
Ismail Guvenc	yes	yes	yes	yes
Jae Hyung Eom	yes	yes	yes	yes
Jerry Chow	yes	no	no	no
Jimin Liu	no	no	no	no
John Lee	no	no	no	no
Kanchei (Ken) Loa	yes	yes	no	no
Keiichi Nakatsugawa	yes	no	yes	no
Kim Olszewski	no	no	no	no
Kumar Prachi	no	no	no	no
Kyu Ha Lee	yes	yes	no	yes
Li Anxin	no	yes	yes	yes

Name				
Li Ting	no	yes	yes	yes
Mary Choin	yes	yes	no	yes
Mike Hart	no	yes	yes	yes
Mike Webb	yes	no	yes	yes
Mitius Nohara	no	no	no	no
Mo-han Fong	no	no	no	no
Moo Ryong Jeong	yes	no	no	no
Norin John	yes	no	no	no
Peiying Zhu	yes	yes	yes	yes
Peter Wang	no	no	no	no
Priscillica Santos	no	no	no	no
Qu Hongyun	yes	yes	yes	no
Rakesh Taori	no	no	no	no
Ranga Reddy	yes	yes	yes	no
Robert Popoli	no	no	no	no
Roger Peterson	yes	no	no	no
Sean Cai	no	no	no	no
Shashikant Maheshwari	no	yes	no	no
Shaw Tayler	yes	no	no	no
Shulan Feng	no	no	no	no
Shyamal Ramachandran	no	no	no	no
Suchang Chae	yes	yes	yes	yes
Suga Junichi	no	yes	no	no
Sunggeun Jin	yes	yes	no	no
Sungjin Lee	no	no	no	no
Ulas Kozat	yes	no	no	no
Wei Ni	no	no	yes	no
Wei-Peng Chen	yes	yes	no	no
YoungBin Chang	no	no	no	no
Young-il Km	yes	no	no	no
Young-Jae Kim	yes	no	yes	no
Youn-Tai Lee	no	yes	no	no
Yousuf Saifullah	yes	no	yes	no
Yufeng Zhou	no	yes	yes	yes
Yung-Ting Lee	yes	yes	no	no

Summary of progress

- All contributions were presented and discussed in the ad-hoc CC, detailed discussions were conducted via the Email list
- For each contribution, comments/issues were raised and discussed, authors were encouraged to make revision or send Email replies to address the issues.
- Revisions were also reviewed either in CC or via Emails
- Recommendation were made to the contributions (4 in total) without any remaining issues, opportunities were given to make comments toward the recommendations in the CC or via Emails
- For the contributions (9 in total) with outstanding issues, an Email straw poll was conducted and results were posted.
- Contribution 7259r1 (L135) was withdrawn from this ad-hoc by the author and resubmitted to Measurement Ad-hoc

Straw Poll results

Contributios	7251r4	7258r1	7052r7	7242r2	7026r1	7206r1	7227r3	7250r6	7286
Accept	4	0	6	4	3	0	3	4	1
Accept _modify	0	0	0	1	0	1	0	1	0
Reject	1	6	3	1	1	2	5	6	3
Undecided	8	6	2	5	6	10	7	3	8
Total Votes	13	12	11	11	10	13	15	14	12

Results as of May 7 8:00am, 2007

7026r2, 7242r3, 7206r2, 7286r1 was uploaded after the initiation of straw poll
Authors informed the group the revisions.

Recommendations to TG - 1

- RRM, Scheduling & Interference Control
  - Comment L127: Accept _Modified, Modification as shown in contribution 7172r3
  - Comment L140: Accept _Modified, Modification as shown in contribution 7194r4
  - Comment LL150: Reject (Requested by authors)
- Other MAC
  - Comment 1: Accept _Modified, Modification as shown in contribution 7096r7

Recommendations to TG - 2

- Allocate some meeting time to resolve issues identified in the ad-hoc for the following remaining contributions/revisions:

Comment	Latest Contribution	Commented by	Unresolved Issues
PHY			
112	7251r4	Michael Webb	Need mechanism to provide initial network entry for cell edge users
L145	7258r1	Kaibin Zhang	1. The proposal does not make sense for UL 2. Need to avoid conflicting change as per 7242
L137	7052r7	Suchang Chae	1. Provide link level curves for new coding/modulation 2. Check the concatenation table and IR table 3. Demonstrate the benefit of the proposed scheme
60	7242r2	Aik Chindapal	Make sure the proposal is aligned with subcarrier mapping proposed in Cor2
RRM			
47	7026r2	Mike Hart	Look into the possibility to use Idle bit in the frame structure configuration msg?
Other MAC			
LL151	7206r1	Hongyun Qu	1. Additional overhead 2. Absolute frame number may not work if MR-BS and RSs are not synchronized 3. Do not see the need send NACK 4. MAC sub header is encrypted; there might be a security issue.
L130	7227r3	Ismail Guvenc	1. Unclear on the benefit of the proposal 2. Provide simulation results 3. Large delay for multi-hop case
18	7250r6	Sunggeun Jin	Unclear why do we need another intermediate ARQ considering we have H-ARQ and ARQ
New			
A163	7286	Moo Ryong Jeong	1. How does the single pre-coding vector provide gain for PUSC case? 2. Need prove on the gain of the proposed scheme

Motion

"To accept the recommendations from the other MAC/PHY adhoc for comments (L127, L140, LL150,1) recorded in C802.16j-07/xxx as resolutions in databases C802.16j-07/008r4"

Moved by: Peiying Zhu

Seconded:

For/Against:

Thank you!!!

Special thanks for those involved in the ad-hoc.