IEEE 802.20 Meeting Notes
Plenary Session,
July 14-18, 2008,
Denver, CO, USA

Chair: Mark Klerer
Vice-chair: Radhakrishna Canchi
Recording Sec.: Chirag Patel

Day 1 – PM session:

Meeting begins: 1:40pm

- Opening remarks by the chair.

- Introduction by the attendees

- The chair presents the day's agenda

- *Motion to approve meeting agenda*
  Jerry Upton moves the motion to approve meeting agenda. (IEEE 802.20/08-11r1)
  R. Canchi seconds the motion.

  No objections.
  Motion is approved.

- The chair informs the members about IEEE patent policy

- The chair informs the members about various Tutorials

- Discussion on approval of March & May meeting minutes

- *Motion to approve March meeting minutes.*
  Victor Hou moves the motion
  R. Canchi 2nds it.

  No objections.
  Motion approved by acclamation.

- The chair presents an e-mail form Tom Kolze, proposing corrections to the minutes of the May meeting. The working group concurred with the proposed corrections.

- *Motion to approve May meeting minutes, as amended.*
  Jim Tomcik moves the motion
  Victor Hou seconds it.

No objections.
Motion approved by acclamation.

- *Review of MIB PAR*
  Discussion on comments received from Pat Thaler (Vice chair of the EC).
  Discussion/comments on the scope of MIB, purpose, etc.

  Comments from other groups due by Tuesday COB.
  Responses to be given on Wednesday 5 PM.

- *Discussion on other PARs under consideration in IEEE 802*
  - VHT:
    - Some inconsistencies regarding backward compatibility with 802.11n.

- *Coffee break (2:05pm)*

- *Session re-convenes* (2:45pm)

- *Continue discussion on other PARs under consideration in IEEE 802.*

  - IEEE 802.21 PAR for security extensions

- *Voting procedure changes:*
  - The chair shares results of the voting for determining voting procedures in 802.20 and reinstating individual voting instead of entity based voting.
  - Voting tally: Individual, 6 approve, 4 nays, 6 abstain
  - Entity votes: 4 approve, 3 nays, 1 abstain

- *Discussion on contribution related to M.1801*
  - Jim Tomcik presents contribution for inclusion of IEEE 802.20 in ITU-R ("Proposed Annex to ITU-R M.1801")

- *End of Day one session 4.15pm. Meet tomorrow at 8.30am*

Day 2 – AM1 session:

- *Session begins (8.30am)*

- The chair goes over the day's agenda

- *ARIB Liaison Presentation by Kaz Ishida*
  - Question by Jim Ragsdale on bandwidth usage
  - Question by Jerry Upton on use of IEEE copyright logos, references and related issues

- o Question by Jerry Upton on whether 802.20 working group needs to do any more work on this.
  - ▪ Answer: No

- *The chair presents the changes made in C802.20-08-08-BWA.pdf (Rec. ITU-R M.1801) (Proposed annex to ITU-R M.1801)*
  - o Discussion on minor edits required in the document.

- Review of PAR on Bridging (WG Document – 802.20.08.10.pdf).

- *Presentation on MIB by Jim Tomcik*
  - o This document is a live document, work in progress. Comments from WG are welcome.

- *Coffee Break (10:00am)*

- *Session resumes (10.40am)*

- Note on room change (Aspen 25th floor – 2530)

- *Presentation on "Proposed text for 802.20 enhanced PICS Proforma" - [C802.20-08/09](#) by Jim Tomcik*
  - o Question by Jim Ragsdale – Will the document be updated with higher level of detail?
  - o Answer: No. This covers most of the protocol aspects that are needed
  - o Question by R. Canchi – What needs to be done for wideband mode? Where should be it included?
  - o Answer: A.5.4 is the right place for the wideband mode.
  - o Comment by the chair – Are there more details needed at the next level of what is already provided for mandatory protocols? We need more details. For e.g., what coding rates are mandatory, etc.
  - o This document is the first building block. Need to improve it by adding more details.

- *Review of responses to VHT PAR:*
  - o Responses crafted are good.

- *Presentation on MPS - "Bandwidth Definitions" - [C802.20-08/12](#) by Tamer Kadous*
  - o Question by Jim Ragsdale – What's the purpose of defining the transmission bandwidth?
  - o Answer: Transmission bandwidth may be different from channel bandwidth.
  - o Question by R. Canchi – The document refers to UMB instead of 802.20. We need to change this.
  - o Tamer to revise the document.
  - o Question by Mark Klerer – What's the ultimate purpose of this doc?

- o Answer: This if FYI doc.
- o Q. by Mark Klerer for R. Canchi – Is there equivalent MPS for 625k Mode?
- o Answer: Yes, in process of developing the text.

- *Presentation on "Band Classes considered for MBWA MPS" - C802.20-08/13 by Tamer Kadous*
  - o Question by Kaz Ishida – Is there TDD Bandclass?
  - o A: No, in MPS there is no specific req. So it's not there in the doc.

- *Lunch break (11.30 am)*

- *PM session (3:30pm)*

- *Presentation on "MPS for AN Transceiver" - C802.20-08/11 by Tamer Kadous*
  - o Question on the definitions used in the document. Are these definitions clearly defined somewhere?
  - o Answer: The definitions are consistent to 3GPP and PP2 definitions
  - o Comment from Kaz Ishida: Need to add TDD bandclass in the document.
  - o Question by Jim Ragsdale: Are there any tests with mobility?
  - o Answer: Tamer to check on this
  - o Question from Jim Ragsdale: Why is higher EVM req. specified for higher order modulations?
  - o Answer: Higher SNR at higher order modulations make it necessary to specify this.
  - o Question from Charles Rush: Is the intent to submit any of this material to ITU?
  - o Answer from the chair Yes. But, first have a MPS for .20
  - o Comment (Charles R.): Terminology problem. For example ITU definition of Spurious Emission is different.
  - o Question by the chair: Can co-existence criteria be a part of MPS criteria?
  - o Answer: No there in 3G systems, but they are there in 4G systems
  - o Chair: Should we have a separate co-existence spec.? Also, co-existence with WiMax is not captured.

  - o The WG appreciates good work done by Tamer Kadous

- Discussion on Rec. ITU-R M.1801. (Presented by Jim Tomcik)

- *Motion to approve "Proposed Annex to ITU-R M.1801" (C802.20-08-08r1):*
  Moved by Tom Wasileski
  Seconded by R. Canchi.

  No objections. Motion approved by acclamation.

- *End of PM session (5.00 pm)*

Day 3 – AM session

Session begins at 8.30am

- Chair goes over the day's agenda

- *Jim Tomcik goes over the draft text of 802.20 MIB text changes*
    - Changes mainly in scope and purpose sections
    - WG members discuss the text and suggest necessary edits

- WG members discuss 802.20 development plan

- Discussion on IEEE 802.18-08-0019/r2 IMT Advanced Technology Proposal document

- *Straw poll: Should* 802.20 should prepare a submission toward IMT-Advanced in accordance with the 802.18 process (as defined in doc. IEEE 802.18-08-0019/r2)?

    - Abstain – 2, Yes – 10, No – 0. (Chair did not express opinion).

- *Coffee Break: 10:25am*

- *Session resumes : 11.15am*

- Review of Bridging support PAR (IEEE 2008-07-15 802 20)

- *Motion to approve the Bridging PAR: 802.1D PAR:*

    - Moved by R. Canchi
    - 2nd by Jerry Upton
    - Results:
        - Individual votes: 10 approve, 0 Nos, 0 Abstains (Chair did not vote)
        - Entity votes: 4 entities approve. 0 disapprove

- Discussion to reaffirm the changes to MIB PAR

- *Motion to approve the revision P802.20a PAR (MIB and Corr)*
    - Moved by Jerry U.
    - 2nd by Canchi
    - Results – 10 approve,0 disapprove, 0 abstain (chair did not vote)

- *Review revised work plan (IEEE 802.20-PD-07r6.ppt)*

- o No changes needed

- *Motion to approve the revised work plan: IEEE 802.20-PD-07r6.ppt*

  - o Moved by Jim Tomcik
  - o 2nd by R. Canchi
  - o Results – 10 approve, 0 disapprove, 0 abstains (chair did not vote)

- *Discussion on next meeting (Hawaii meeting)*
  - o Work plan, procedures for sending contributions and other misc. items

- *Motion to adjourn the meeting and cancel afternoon and tomorrow's session* (attendance to be based on scheduled sessions)
  - o Moved by: Jerry U.
  - o Results: 10 approve, 0 disapprove, 0 abstains.

- *Meeting adjourned*

Attendees– July 2008				
Last Name	**First Name**	**Affiliation**	**Member Status**	**Attendance Credit**
Canchi	Radhakrishna	Kyocera	M	Y
Gowaikar	Radhika	Qualcomm, Inc.	M	Y
Ishida	Kazuhito	Qualcomm, Inc.	M	Y
Kadous	Tamer	Qualcomm, Inc.	M	Y
Klerer	Mark	Qualcomm, Inc.	M	Y
Patel	Chirag	Qualcomm, Inc.	M	Y
Ragsdale	James	Telefon AB LM Ericsson	M	Y
Tomcik	James	Qualcomm, Inc.	M	Y
Upton	Jerry	Qualcomm, Inc.	M	Y
Wang	Michael	Qualcomm, Inc.	M	Y
Wasilewski	Tom	Qualcomm, Inc.	M	Y