

802.16 PHY Task Group

Session #3 99/09/13-17

Reporting: Jay Klein

Meetings

- Days:
 - September 16th, Afternoon
 - September 17th, Full-day
- Issues:
 - Contributions
 - Moshe Ran, TeleSciCom
 - José Costa, Nortel
 - PHY proposal submission process
 - Outline of PHY document
 - Call For Contributions

Contributions

- Moshe Ran presented a tutorial on soft decoding techniques and their applicability for BWA applications
- Jose Costa presented an overview of the following ITU-R Recommendations, which may be useful for the evaluation of PHY technologies for BWA:
 - Rec. ITU-R M.1225 “Guidelines for the evaluation of radio transmission technologies for IMT-2000”
 - Draft Rec. ITU-R M.[IMT-RKEY] “Key characteristics for the IMT-2000 radio interfaces”

PHY Proposal Submission

- Adopting MAC submission process:
 - Submission of Proposals for Session #4
 - Short presentation
 - “Scoring” proposals according to a criteria list developed by the group
 - Those proposals which “pass the test” are invited for detailed submissions at Session #5

Criteria List

- The following Criteria list was developed and approved by the group members
- Refer to Call for contributions

PHY - Outline

- Refer to PHY Outline
- The outline would be integrated into a complete “Air Interface” document
 - *Chapter 4: PHY Layer*
- Requires enhancements and clarifications:
 - TC or PHY/MAC Interface identified as a potential “dead zone”
 - Some sections require contributions beyond those to be presented on a PHY proposal level such as “Minimum Performance”

Call For Contributions

- 3 Calls:
 - Session #4: PHY Proposals
 - Session #5: PHY Proposals, 2nd phase
 - Sessions #4 & #5: General issues mostly related to the outline
- Refer to Call for Contributions
- Passed unanimous consent