

Meetings on Mobile Multi-hop Mesh/Relay Networking in IEEE 802.16

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IEEE 802.16 Session #37 Closing Plenary
5 May 2005

Agenda

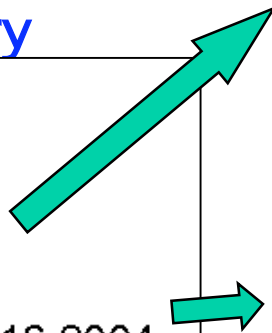
1. Monday Presentation
Summary
2. Thursday Meeting Summary
- Feedback/comments
3. Action Schedule
4. To Do Next

Mobile Multi-hop Mesh/Relay Networking in IEEE 802.16

Monday Presentation

Opening Plenary Outline

- Background / Benefits
- Mesh Mode in Std 802.16-2004
- Scope / Backward compatibility
- Types of new Mesh/Relay mode
- Related works
- Tentative schedule
- Summary



Summary

• Merits

For fixed and/or mobile environment

- _ Coverage extension
- _ Throughput enhancement

• Scope

- _ Develop new Mesh/Relay mode compatible with PMP mode
- _ Main difference from the current one
 - Efficient Mesh/Relay to MS
 - OFDM/OFDMA PHY support
 - Backward compatible to PMP mode

Mobile Multi-hop Mesh/Relay Networking in IEEE 802.16

Keywords Highlighted:

- Mesh or Relay ?
- Maximum number of hops ?
- Licensed or LE band ?
- PHY, MAC ?

Mobile Multi-hop Mesh/Relay Networking in IEEE 802.16

Summary

Thursday Discussions

19:30-20:00, Thu 5 May 2005

Outline

1. Monday Presentation
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- **> 40 participants**
- **1 Technical Contribution**
 - “Enabling the Fixed Relay and Mesh Capabilities to Enhance IEEE 802.16e”
Dr. Wen Tong, et al.
IEEE C802.16-05/011
- **Discussions**
 - _ Mesh/Relay Definition?
 - _ Number of Multi-hops?
 - _ Static/Dynamic Routing?

Tentative Schedule

Year	Month	802.16 session	Actions
2005	May	#37 Interim	Call for Interest
	July	#38 Plenary	Propose to form SG (Approval)
	Sept.	#39 Interim	SG: 1st meeting
	Nov.	#40 Plenary	SG: 2nd meeting
2006	Jan.	#41 Interim	SG: 3rd meeting: Complete a PAR
	Mar.	#42 Plenary	802 EC endorses PAR approval
	May	#43 Interim	TG: 1st meeting
	July	#44 Plenary	TG: 2nd meeting
	Sept.	#45 Interim	TG: 3rd meeting
	Nov.	#46 Plenary	TG: 4th meeting

To Do

- **After This Meeting towards Session #38**
 - Feedback Comments Summary
 - Email-based Discussions
 - Proposal Revision with parties being interested
 - **At Session #38**
 - Present Proposal Revised by Multiple Parties
 - Reference Addition
 - Mailing List/Reflector Creation
- * Your Comments/Support welcomed!