

802.16 Enhancement Ad Hoc Report

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Paul Struhsaker, paul@raze_technologies.com

Enhancement areas

Straw Poll Topic (Enhancement)	FOR/
Nomadic and Mobility Enhancement	17
MIB & Management Information	13
PICS (Conformance)	12
System profiles	10
Repeaters and associated Control & Mgt.	7
Enhanced Application support (OFDM)	3
Advanced Coding	3
Licensed band use of Mesh	1
Security	1

Clear support for:

Nomadic/mobility, PICS/profiles, MIB/MGT
(possibly repeaters)

Nomadic and Mobility Enhancement

Straw Poll Topic (Enhancement)	FOR/	AGAINST/
Nomadic Enhancements	24	0
Nomadic PAR separate form Mobility PAR	17	10
Open Rates (capabilities and limit(s) set by study)	16	7
Mobility Limited to Pedestrian rates	8	15
Mobility Limited to vehicular rates and below	2	15
High Speed Mobility rates and below	10	13
Mobility limited to within cell	7	17
Mobility cell/sector hand off addressed	19	7
Schedule estimate for mobility >24 Months Open with handoff ... at SEC	16	13

Split Study to 2 groups:

- 1) Nomadic + Enhancements
- 2) Mobility (open analysis of Rate and full handoff)

19 For 0 Against

Motions

Motion 1:

Create a Working Group Ad Hoc group for develop a PICS PAR in support of 802.16a by the end of Session #21

Motion 2:

Create a Working Group Ad Hoc group to develop a PAR for enhancements to IEEE 802.16/16a for support for Nomadic operation/roaming, repeaters, and MIB/management by the end of Session #21

Motion 3:

Create the 802.16 Working Group Study Group on Mobile WirelessMAN. The group will address enhancements to the IEEE 802.16a PHY/MAC to support mobile operation, including cell-to-cell and sector-to-sector handoff capability as well as other protocol/MIB support.