



IEEE 802.21 MEDIA INDEPENDENT HANDOVER

DCN: 21-06-0715-00-0000

Title: Liaison Report – 802.21 Work Related to 802.16

Date Submitted: July 20, 2006

Presented at IEEE 802.21 session 15 in San Diego

Authors or Source(s): Peretz Feder

Abstract:



IEEE 802.21 presentation release statements

This document has been prepared to assist the IEEE 802.21 Working Group. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.

The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE's name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE's sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.21.

The contributor is familiar with IEEE patent policy, as outlined in [Section 6.3 of the IEEE-SA Standards Board Operations Manual](#) <<http://standards.ieee.org/guides/opman/sect6.html#6.3>> and in *Understanding Patent Issues During IEEE Standards Development* <http://standards.ieee.org/board/pat/guide.html>>



Liaison Report IEEE 802.21 work

Peretz Feder

Lucent Technologies

pfeder@lucent.com



Comment Resolution LB1

IEEE P802-21/D01.00



- Approval rate 25%
- 1323 Letter Ballot Comments
- Resolved in May:
 - 309 Editorials
 - ~200 Technical
 - 408 Repetitive => ~Total 917
- Still need to resolve in SD this week
 - ~400 Technical comments



Comment Resolution Progress

Section	Start Comment #	End Comment #	Resolved until Comment #	Remaining Comments
1-4	1	90	0	90 (Done)
5	91	250	91-230	20 (Done)
6	251	483	251-413	70 (Done)
7	484	677	484-537	140 (Done)
8	679	915	679-715	200 (Done)
Total				520

- Still need to resolve in SD this week
 - ~520 comments (Not touched at all). Includes editorials : ~180
 - $520 - 180 = 340$ Technical Comments
 - ~100 Deferred Comments
 - Total: ~440 Comments
- This week all comments were discussed. About 50 still deferred for a follow up discussion



Requirements for IS transport in 802.16g

- Media Independent Handover Requirements in P80216g_D1.
 - **F.1.3.4 Transport Requirements**
 - a. The 802.16 specification shall support a new Ethertype for MIH.
 - b. The 802.16 specification shall support interactions between MIH Function on BS and MIH Function on some other PoA (such as AP in 802.11 network).
 - c. The 802.16 specification shall support a L2 transport for querying/setting information elements (IEs) over the air interface between MIH Function on MS and MIH Function on PoA (BS). The IEs shall be transferable over either a basic connection or a primary connection.
 - d. The 802.16 specification shall support a L2 transport for transferring remote events and remote command messages over the air interface between MIH Function on MS and MIH Function on PoA (BS). The Remote event and remote command messages shall be transferable over either a basic connection or a primary connection.



Joint 802.16g/802.21 meeting



- MIH support presently advertised in DCD
- MIH Capability Supported TLV already incorporated
- MIH message encoding already included
- What other information can be obtained?
 - Pre authenticated session attributes
 - Pre authenticated MO_MIH_MSG query and response
 - MIH attributes as part of SBC negotiation



802.21 Timeline

- **PAR was approved in early 2004, group formed on March 2004**
- **Ad-Hoc Meetings**
 - **August 28-31, in NJ**
 - **October, location and time TBD**
- **Circulations**
 - **Motion passed today to generate a new 802.21draft**
 - **Deferred comments may somewhat delay the new draft**
 - **Probably next recirculation ballot to be issued after September**