 

IEEE P802.21 Media Independent Handover Services

Minutes of the IEEE P802.21 Working Group (DCN 21-14-0 107-00-0000)

Session #62 Meeting, Hawaii, USA

Chair: Subir Das

Vice Chair: Charles E. Perkins

# First Day PM1 (1:30pm-3:30pm): Room KONA I ; May 12, 2014

## 802.21 WG Opening Plenary: Meeting is called to order at 1:32pm by Subir Das, Chair of IEEE 802.21WG with opening notes

## May, 2014 Meeting Agenda (DCN: 21-14-0074-00-0000-session-62-agenda)

### 802.15 SEC – started looking at work related to 802.21 security

### 802.15 IG 6T (IETF 6Tisch interest group) Friday PM1

### 802.21d has five sessions

### 802.21m has two sessions

### 802.21.1 has two sessions

### 802.15 Secure Hybrid Mesh may be related

### Agenda bashing:

#### Agenda (DCN: 21-14-0074-00-0000) was approved without any objection.

## IEEE 802.21 Session #62 Opening Notes (21-14-0084-00-0000)

### Meeting logistics: all meetings in Room KONA I.

### <http://mentor.ieee.org/802.21/documents>

### Duty to inform slides 1-4, etc.

### Attendance procedures, logistics, breaks

### Request to make Intellectual Property declaration

#### No one declared any patent claims

### LMSC Chair’s Guidelines on Commercialism at meetings

#### Clarification for “formally object”

### Discussion about sponsorship discussion at EC; member poll

#### Should get sponsors to help make a better network

## Working Group Status

### 802.21c: Single Radio Handovers

* + - * + On agenda for June 11 RevCom meeting

### 802.21d : Group Management

### Completed WG Letter Ballot recirculation (#7c) on May 10, 2014

### Result announced on May 11, 2014

### http://www.ieee802.org/21/ballot\_7.html

### 20 ballots / 21 members. Return ratio 95.23%

### 15 approve / 03 disapprove / 02 abstain. Approval rate = 83.33%

### Have 5 sessions in Hawaii for resolving comments

### 802.21m: Revision Project

#### Opening Note: 21-14-0088-00-REVP-802-21m-session-62-OpeningNote

#### Working on the document structure and existing issues

### 802.21.1: Media Independent Services

#### Opening Note: 21-14-0089-00-SAUC-802-21.1-OpeningNote

#### Use case presentation

## Working Group Objectives for May meeting

### 802.21c: Single Radio Handovers

* + - * + No more meeting session is required; Sponsor Ballet has been approved

### 802.21d: Group Management

#### Resolve Letter Ballot recirculation comments

### 802.21m: Revision Project

#### Discuss the document structure and issues

### 802.21.1: Media Independent Services

#### 802.21.1 Use case and services discussion

## Future Sessions – 2014

### Plenary: 13-18, July 2014, Manchester Grand Hyatt, San Diego, CA, USA

* + Co-located with all 802 groups

### Interim: 14-19, September 2014, Hilton Athens

* + Co-located with all 802 wireless groups

### Plenary: 2-7 Nov 2014, Grand Hyatt, San Antonio, TX, USA

* + Co-located with all 802 groups

### Discussion about whether the Athens social should be included in the registration fee

### Discussion about submitting topics for July evening session that replaces the social

## July IEEE 802 Plenary meeting logistics

### 13-18, July 2014, Manchester Grand Hyatt, San Diego, CA, USA

### REGISTRATION INFORMATION: <https://802world.org/apps/session/86/register2>

### HOTEL RESERVATIONS: <https://resweb.passkey.com/Resweb.do?mode=welcome_ei_new&eventID=11303871>

### All event information including links to Registration, VISA Letters, Hotel Reservations, and regional information can all be accessed from the IEEE 802 Wireless Interim website: <http://802world.org/wireless>.

### IEEE 802 GROUP RATES

#### Standard Room: $US 189/Night plus applicable taxes

#### Bay View Deluxe Room: $US 209/Night plus applicable taxes

#### RESERVATION CUTOFF DATE: IEEE 802 Guest Room Rate will be available until the block is sold out or Friday June 20, 2014 whichever comes first

### Hotel Information

* Information available at <http://802world.org/plenary/ieee-802-group-hotel/>

## Future Sessions – 2015

### Interim: 18-23 January, 2015, Hyatt Regency, Atlanta, GA, USA

* + Co-located with all 802 groups

### Plenary: 8-13/15-20 March, 2015, Berlin (TBD: Barcelona would be more expensive)

* + Co-located with all 802 groups

### Interim: May 2015, Hyatt Regency Vancouver (TBD)

* + Co-located with all wireless groups

### Plenary: 12-17 July 2015, Hilton Waikoloa Village, Hawaii, USA

* + Co-located with all 802 groups

### Interim: September 2015 (TBD)

* + Co-located with all 802 wireless groups

### Plenary: 8-13 Nov 2015, Hyatt Regency Dallas, TX, USA (TBC)

* + Co-located with all 802 groups

## Session #61 minutes (21-14-0082-01-0000) were approved after revision.

## 802.21d Opening Notes and discussion (21-14-0086-00-0000)

## 802.21m Opening Notes and discussion (21-14-0088-00-0000)

## 802.21.1 Opening Notes and discussion (21-14-0089-00-0000)

## Discussion about merging 802.16 and 802.15

## Discussion about revised website

## Discussion about proposing SDN as an 802.21 project

### OmniRAN proposal

### Daniel Corujo’s (University of Portugal) project

### Similarity between SDN controller and PoS

## Meeting adjourned at 3:00pm

# Day 4 PM2 (4:00pm-6:00pm): Room KONA I; Thursday, May 15, 2014

## 802.21 WG Closing Plenary: Meeting is called to order by Subir Das, Chair of IEEE 802.21WG (21-14-0100-00-0000-session-62-closing-plenary).

## 802.11 Liaison Report – Clint Chaplin (DCN: 21-14-0101-00-0000-802-11-liaison-report-for-2014-05.ppt)

### New TG, new SG

### Will upload later

## Discussion about 802.16 (DCN 16-14-0038-00-Gcon)

### 802.16r is conceivably relevant to 802.21

### SDN tie-in is also of interest.

## Motions presented for WG vote

### Motion to P802.21d BRC to resolve comments: moved by Yoshi, Seconded by Clint (5/0/0)

### Motion to authorize 802.21d editor to incorporate resolutions: moved by Yoshi, Seconded by Clint (5/0/0)

### Motion to P802.21d be forwarded to Sponsor Ballot and approve the CSD (CSD = Criteria for Standards Development) Moved by Yoshi, Seconded by Clint (5/0/0)

## TGd Multicast Management closing note (21-14-0099-00-MuGM-tgd-may-closing-note)

### Progress in May 2014 Meeting: LB7b comment resolutions

### Resolved all editorial comments and most technical comments

### Remaining technical comments are: #58, #79, #83

### LB7 Ballot Resolution Committee

### Next Step: Start next recirculation around April 21, 2014

### BRC Teleconference Schedule (Tentative)

* April 1 (Tue) 8am-10am EDT
* April 8 (Tue) 8am-10am EDT
* April 15 (Tue) 8am-10am EDT

## TGm 802.21-2008 Revision closing note (21-14-010x-00-REVP-802-21m-session-62-closing-report)

### Progress in meetings prior to Session #62

##### Initiated working group, determined purpose of the document revision project.

##### Updated base 802.21m document with numerous improvements and repairs to tables and lists.

### Progress since Beijing Session #61

##### Updated base 802.21m document specification according to recent action items

##### Issues added to spreadsheet based on problems encountered during document update.

### Agenda for May 2014

##### Sessions: **Tuesday AM2 and Wednesday AM1**

##### Minutes: DCN 21-14-0064-00-REVP

### Action Items

##### WG chair to prepare revised documents for consideration at session #62 during upcoming Interim meeting in May

##### Resubmit continuing 2013 documents to get 2014 document numbers

## WG Vice Chair in July, 2014

## IETF Liaison report

### Authorization feature for COAP

### 8 BoFs

## Discussion about 802.21c Submission to RevCom (DCN: 21-14-00xx-0000)

## 802.21.1 closing note (DCN 21-14-0098-00-SAUC-closing-notes)

### TG 802.21.1 had two sessions during his meeting

### There were four presentations on use cases

* https://mentor.ieee.org/802.21/dcn/14/...

### 802.21.1 Teleconference (tentative):

## Teleconferences

### 802.21c BRC Teleconferences:

* (none)

### 802.21d BRC Teleconferences:

* May 27 (Tue), 8am-10am EDT
* June 10 (Tue), 8am-10am EDT

### 802.21m Teleconference:

* (none)

### 802.21.1 Teleconference:

### Teleconference (Tentative)

##### (none)

### Plan for next meeting

##### Meet with IEEE staff to resolve Microsoft Word problems with 802.21m base document

# Future Sessions

## Future Sessions – 2014

### List of upcoming sessions

* **Plenary: 13-18, July 2014, Manchester Grand Hyatt, San Diego, CA, USA** 
  + Co-located with all 802 groups
* **Interim: 14-19, September 2014, Hilton Athens**
  + Co-located with all 802 wireless groups
* **Plenary: 2-7 Nov 2014, Grand Hyatt, San Antonio, TX, USA**
  + Co-located with all 802 groups

### Discussion about Waikoloa venue

#### Food has been very good

#### Networking was good

#### Recommended for return

## Future Sessions – 2015

* **Interim: 18-23 January, 2015, Hyatt Regency, Atlanta, GA, USA**
  + Co-located with all 802 groups
* **Plenary: 8-13/15-20 March, 2015, Berlin** 
  + Co-located with all 802 groups
* **Interim: May 2015, Hyatt Regency Vancouver (TBD)**
  + Co-located with all wireless groups
* **Plenary: 12-17 July 2015, Hilton Waikoloa Village, Hawaii, USA** 
  + Co-located with all 802 groups
* **Interim: September 2015, Asia (TBD)**
  + Co-located with all 802 wireless groups
* **Plenary: 8-13 Nov 2015, Hyatt Regency Dallas, TX, USA (TBC)**
  + Co-located with all 802 groups

## Future Session notifications

* July, 2015 is in Waikoloa
* Athens is finalized for September, 2014 meeting; networking issue has been resolved.

# Attendance

|  |  |
| --- | --- |
| Chaplin Clint | Samsung Electronics |
| Das Subir | Applied Communication Sciences |
| Chen, Lidong | NIST |
| Yazu Hanatani Yoshikazu | Toshiba Corporation |
| Kamibayashi Toru | Toshiba Corporation |
| Ohba Yoshihiro | Toshiba Corporation |
| Perkins Charles | Futurewei Technologies |

# The meeting was adjourned at 4:47 pm

 

## 

IEEE P802.21 Media Independent Handover Services

Meeting Minutes of the IEEE P802.21d Group Management Task Group

Chair: Yoshihiro Ohba

Editor: Antonio de la Oliva

# Monday, PM2 Meeting, May 13, 2014

## Meeting called to order by Chair at 4:00PM

Minutes are taken by Yoshihiro Ohba.

## Meeting Agenda (21-14-0090-00) is presented by the Chair

The IEEE 802.21d task group is scheduled to meet Monday PM2, Tuesday AM1 and PM2, Wednesday AM2 and Thursday AM1.

Tuesday AM2 was added.

Revised agenda was approved with no objections.

## Meeting Minutes Approval

Minutes of March 2014 TGd session are included in the WG minutes that were already approved in the WG opening plenary. There are no additional minutes to approve.

## Opening Notes (21-14-0086-00) is presented by the Chair

Slides #1-#4 shown, Note Well, Duty to Inform.

Chair called for declaration of potentially essential IPR on 802.21d. There was no response to the call in the meeting.

Latest commentary file is DCN 083r0.

## 802.21d Comment Resolution

Comments resolution started by the Chair

Chair asked the group to provide review of Editorial comments by end of Tuesday.

The following comments were discussed: #9, #59, #60, #61, #91, #95 and #118.

Resolutions are captured in DCN 083r2.

Recess at: 18:05 PM

# Second Day AM1 Meeting: Tuesday, May 14

## Meeting called to order by Chair at 8:00AM

## 802.21d Comment Resolution

The group continued comment resolution.

The following comments were discussed: #2, #4, #29, #30, #46, #47, #48, #50, #58, #78, #80, #88, #89, #92, #93, #94, #97, #100, #102, #103, #104 and #123.

Resolutions are captured in DCN 083r3.

Session recessed at 10:02am.

# Second Day AM2 Meeting: Tuesday, May 14

## Meeting called to order by Chair at 10:30AM

## 802.21d Comment Resolution

The group continued comment resolution.

The following comments were discussed: #3, #5, #7, #10, #12, #13, #14, #16, #17, #18, #19, #23, #25, #27, #28, #114, #115, #116 and #117.

Resolutions are captured in DCN 083r4.

Session recessed at 12:30pm.

# Second Day PM2 Meeting: Tuesday, May 14

## Meeting called to order by Chair at 4:00PM

## 802.21d Comment Resolution

The group continued comment resolution.

The following comments were discussed: #31, #35, #36, #37, #38, #39, #42, #43, #45, #51, #56, #57, #60, #62, #64, #105, #106, #108, #109, #111, #112 and #113.

Resolutions are captured in DCN 083r5.

Session recessed at 6pm.

# Third Day AM2 Meeting: Wednesday, May 15

## Meeting called to order by Chair at 10:30AM

## 802.21d Comment Resolution

The group continued comment resolution.

The following comments were discussed: #6, #8, #9, #40, #54, #64, #74, #102, #105, #112 and #124. Comments #6, #8, #9, #40, #54, #74, #124 are editorial. All other editorial comments are accepted as is.

Resolutions are captured in DCN 083r6.

Session recessed at 12:30pm.

# Fourth Day AM1 Meeting: Thursday, May 16

## Meeting called to order by Chair at 8:00AM

## 802.21d Comment Resolution

The group continued comment resolution.

Comment #102 was discussed.

The group agreed that comment #102 requires more discussion. Particularly the following issues were raised.

- New functional element GMCS and GMCR may not be required.

- Since a PoS sending group addressed commands and a PoS sending group manipulation commands can be different, it is better to rename Command Center with Group Manager focusing on group manipulation function.

Resolutions are captured in DCN 083r8.

## Closing Note by Chair

TG closing note is captured in DCN 21-14-0099r0.

Chair mentioned three comment #102 is remaining to resolve.

The following three motions were mentioned that Chair intends to bring during WG closing plenary.

* Motion #1: Move to authorize the P802.21d Ballot Resolution Committee (BRC) to resolve WG LB#7c comments and approve the related contributions via teleconferences
* Motion #2: Move to authorize the P802.21d Editor to accept the resolution passed during May, 2014 interim meeting and by the LB7 BRC during teleconferences and produce P802.21d/D05
* Motion #3: Move to authorize the P802.21 WG Chair to initiate a LB7 re-circulation ballot on the question “Should P802.21d/D05 be forwarded to Sponsor Ballot”

BRC teleconference schedule was discussed. The group agreed on the following tentative schedule.

* May 27 (Tue) 8am-10am EDT
* June 10 (Tue) 8am-10am EDT

The meeting was adjourned at 12:30pm.

 

IEEE P802.21m Revision Project Group

Chair: Charlie Perkins

Minutes by Charlie Perkins: DCN: 21-14-0103-00

# Meeting Minutes of the IEEE P802.21-2008 Revision Project Group during May 2014 Plenary …

## Progress since Beijing Session #61

### Updated base 802.21m document specification according to recent action items

### Issues added to spreadsheet based on problems encountered during document update.

### Received updated figure files from Michelle

### Resubmitted continuing 2013 documents to get 2014 document numbers

### Uploaded 802.21m base document after adding new figures for 802.21m review

### Have redrawn some of the newly received figures which did not properly work when inserted

## First Session: Tuesday AM2 May 18, 2014: 10:45-11:45

### Notes: Charlie

### Participation: Subir, Yoshi, Charlie, Toru, Yazu

### 802.21m meeting is governed by 802.21 IPR disclosure agreements, etc.

### Review agenda: 21-14-0087-00-REVP-802-21m-session-62-agenda.pptx

### Detailed review of action items from Session #61 meeting

* + Resubmit continuing 2013 documents to get 2014 document numbers
  + Created spreadsheet for figures and equations

### Review current status of IEEE figures and document assistance

* + New Word and jpeg figure files have been received from IEEE
  + Most revised wording was accomplished, some more changes done later
  + Quite a few figures will have to be redrawn anyway (proposal: in Visio)

### Reviewed insertion of IEEE figures into document in preparation for creation of a new “clean” document for Thursday

## Second Session: Wednesday AM1 May 19, 2014: 8:15-10:00

### Notes: Charlie

### Participation: Subir, Yoshi, Charlie, Toru, Yazu

### Briefly review agenda: 21-14-0087-00-REVP-802-21m-session-62-agenda.pptx

### Extraordinary current difficulties inadvertently introduced last year when document was saved as .docx

### As a result, document editor was unable to produce a clean document.

### New action items:

* + Work with IEEE to convert existing document to .doc format
  + Submit a clean version with the new figures ASAP
  + Resolve figure and table captions as cross references, and bibliographic citations
  + (deferred) Get email from Subir to understand comment from David Cypher about undefined variable
  + (deferred) Recommend 802.21.1 to carry out gap analysis on 802.21m features

## Action Items

### WG chair to prepare revised documents for consideration at session #63 during upcoming Plenary meeting in July

### Update spreadsheet for figures and equations

### maintain status for each figure and modifications needed

### create and upload spreadsheet as 802.21m WG document

### (deferred) Recommend 802.21.1 to carry out gap analysis on 802.21m features

### Confer with IEEE editorial staff to repair errors introduced when base document was inappropriately saved as .docx instead .doc

### WG chair / editor to prepare clean document for 802.21m base document, using revisions as modified and approved according to WG discussion from Tuesday PM1 and Thursday AM2 consensus

## Teleconference (Tentative)

##### (none)

 

## 

IEEE P802.21 Media Independent Handover Services

Meeting Minutes of the IEEE P802.21.1 Task Group

Chair: Subir Das

Editor:

# Meeting Minutes of the IEEE P802.21.1 Task Group

## Tuesday, AM1 Meeting, May 14, 2014 (1:30-3:30 am)

## Meeting called to order by Chair at 1:35pM

Huynho Park presented DCN: 21-14-0079-00-SAUC

Title:Media Independent Service for Radio Resource Management in Heterogeneous Networks

This is an extension of what was being presented (DCN 21-14-0040) in March meeting. This document presents the procedures and call flows of radio resource management in heterogeneous networks.

Q: Who is responsible for resource allocation?

A: Both PoA and Access Controller

Q: What are the Radio resources?

A: For example, Frequency, channel, power and so on

Q: What is the interface between Information Server and PoA?

A: Information Server in this case is a PoS and therefore MIS interface can be used.

Comment: It is better to mention then that Information Server is then a PoS similar to what has been mentioned for Access Controller.

Q: Can radio resource parameters, for example, Frequency, Channel and Power parameters, can be included in Link\_Parameter\_Report primitives rather than defining a new primitive such as Link\_Resource\_Report.

A: It may be possible and authors will revisit this. However, they think that it may be a better idea to define a new one. It was commented to avoid defining new primitives if it can be achieved by modifying existing ones.

Q: According to Figure 6, Information Server is a PoS and the interface is an MIS interface. Is it correct?

A: Yes, it is correct. However, when Information Server is a different entity, for example non IEEE 802.21 MIIS, then the interface will be different. Authors will clarify it with additional texts.

Huynho Park also presented DCN:21-14-0080-00-SAUC

**Title: Media Independent Service for D2D Communications**

This is an extension of what was being presented (DCN 21-14-0039) in March meeting. This document presents the procedures and call flows of D2D communications that are in close proximity.

Q: What are the additional contents that are being added in this version?

A: Mainly Figure 2 and some reorganizations of multiple sections. Stage 2 requirements are added.

Comments: Authors mentioned that they had concentrated more on radio resource management contribution more than the D2D one.