 

IEEE P802.21 Media Independent Handover Services

Minutes of the IEEE P802.21 Working Group (DCN 21-16-0022)

Session #72 Meeting, Atlanta, Georgia, USA

Chair: Subir Das

Vice Chair: Hyeong-Ho Lee

# First Day PM1 (01:30pm-03:30pm): Room Harris; January 18, 2016

## 802.21 WG Opening Plenary: Meeting is called to order at 01:30pm by Subir Das, Chair of IEEE 802.21 WG with opening notes

## January, 2016 Meeting Agenda (DCN: 21-16-0001-01-0000-session-72-agenda)

### Agenda bashing:

#### Agenda (DCN: 21-16-0001-01-0000) was approved without any objection.

## IEEE 802.21 Session #72 Opening Notes (21-16-0001-03-0000)

### Meeting logistics: all meetings in Room Harris (ATL CC)

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

### Attendance procedures, logistics, breaks

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

### Request to make Intellectual Property declaration

#### No one declared any patent claims in this session

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

## Working Group Status

### 802.21m: Revision Project

#### Started first WG Letter Ballot

#### Opened: December 16, 2015

#### Ended: January 17, 2016

#### Result posted on January 18, 2016

### 802.21.1: Use cases and Services

#### Started first WG Letter Ballot

#### Opened: December 16, 2015

#### Ended: January 17, 2016

#### Result posted on January 18, 2016

## WG Letter Ballots Results

### LB#8 - 802.21m - Revision Project

#### Approve- 11, Disapprove - 06, Abstain -02

#### Return Ratio: 100%; Approval ratio: 64.70%

#### Ballot is valid but did not meet 75% threshold

#### Result is available at: https://mentor.ieee.org/802.21/dcn/16/21-16-0004-00-0000-lb-8-results.xlsx

### LB#9 - 802.21.1 - Use cases and Services

#### Approve- 13, Disapprove - 06, Abstain- 0

#### Return Ratio: 100%; Approval ratio: 68.42%

#### Ballot is valid but did not meet 75 % threshold

#### Result is available at: https://mentor.ieee.org/802.21/dcn/16/21-16-0005-00-0000-lb-9-results.xlsx

## Working Group Objectives for January meeting

### 802.21m: Revision Project

#### Start addressing the LB comments

### 802.21.1: Media Independent Services

#### Start addressing the LB comments

## Future Sessions – 2016

### Plenary: 13-18 March, 2016, Sands Venetian Hotel, Macau, PRC

* + Co-located with all 802 groups

### Interim: May 15-20, 2016, Hilton Waikoloa Village, HI, USA

* + Co-located with all wireless groups

### Plenary: 24-29 July 2016, Grand Hyatt, San Diego, USA

* + Co-located with all 802 groups

### Interim: September, 2016 , Europe (Warsaw)

* + Co-located with all 802 wireless groups

### Plenary: 6-11 Nov 2016, Grand Hyatt, San Antonio, TX, USA

* + Co-located with all 802 groups

## March IEEE 802 Plenary meeting logistics

### March 13-18, 2016, Sands Venetian Hotel, Macau, PRC

### Event and Registration information are available now at:

* + Event Information : http://802world.org/plenary
  + REGISTER: https://802world.org/apps/session/95/register
  + CANCEL: https://802world.org/apps/session/95/register/cancel
  + HOTEL RESERVATIONS: https://booking.venetianmacao.com/Booking/Search?Ch  
    eckinDate=03/10/2016&LOS=1&Promocode=IEEE

### Registration Fee and Deadlines

* + Early: Before 6:00 PM Pacific Time, Friday, January 29, 2016
  + $US 600 for attendees staying at the Sands Venetian Macao, $US 1050 otherwise
  + Late/On-site: After 6:00 PM Pacific Time Friday January 29, 2016
  + $US 800 for attendees staying at the Sands Venetian Macao , otherwise $US 1250
  + Anyone who is not a registered guest at the Sands Venetian Macao Hotel for three (3) or more nights is not eligible for the registration discount.

### Cancellation Policy

* + Submitting an online request at https://802world.org/apps/session/95/register/cancel or submitting an email request to: 802info@facetoface-events.com
  + Full Refund: Before 6:00 pm PST, Friday, January 29, 2016
  + $US 100.00 fee applies between January 29 and February 12, 2016 (6 PM, PST)
  + No refund after 6:00PM PST, February 12, 2016

## Future Sessions – 2017

### January 15-20, 2017, Hyatt Regency, Atlanta, GA, USA

* + Co-located with all 802 groups

### Plenary: March 12-17, 2017, Hyatt Regency Vancouver

* + Co-located with all 802 groups

### Interim: May 13-18, 2017, Daejeon Convention Center, Daejeon, Korea (TBC)

* + Co-located with all wireless groups

### Plenary: July 9-14, 2017, Estrel Hotel and Convention Center, Berlin, Germany

* + Co-located with all 802 groups

### Interim: September 10-15, 2017, Hilton Waikoloa Village, Kona, HI, USA, 802 Wireless Interim Session.

* + Co-located with all 802 wireless groups

### Plenary: November 5-10, 2017, Caribe Hotel and Convention Center, Orlando, FL, USA

* + Co-located with all 802 groups

## Session #71 minutes (DCN: 21-15-0121-0000) was approved without any objections.

## Meeting minutes of the IEEE P802.21.1 and IEEE P802.21m Joint Teleconferences (DCN: 21-15-0123-00- REVP, 21-15-0124-00- SAUC) were approved without any objections.

## 802.21m Opening Notes and discussion (DCN: 21-16-0006-00-REVP)

#### Six sessions were scheduled.

#### TG did produce the first draft and went for WG Letter Ballot

* + Thanks to the Editor and others who worked hard

#### Ballot Details

* + Opened on December 16, 2015 and ended on January 17, 2016
  + Results:
    - Total Vote: Approve 11, Disapprove 06, Abstain 02
    - Return ratio =100%
    - Approval ratio= 64.70%

#### Comments received: 185

* + Technical : 88
  + Editorial : 97
  + Comments are available at : https://mentor.ieee.org/802.21/dcn/16/21-16-0009-00-REVP-lb8-comments-and-resolution.xlsx

#### Objective of this 802.21m TG Meeting

* + Comments resolution
    - Assign the editor to address the editorial comments
    - Identify the critical technical comments that require additional contributions and discussions
    - Assign the comments to members/active contributors
    - Review comment status and schedule teleconferences
  + Schedule a joint session with IEEE 802.21.1
    - Thursday, Jan 21, 2016: PM1 1:30-3:30pm
    - Review comments that may have dependencies and Next steps

## 802.21.1 Opening Notes and discussion (21-16-0007-00-SAUC)

#### Six sessions are scheduled.

#### TG did produce the first draft and went for WG Letter Ballot

* + Thanks to the Editor and others who worked hard

#### Ballot Details

* + Opened on December 16, 2015 and ended on January 17, 2016
  + Results:
    - Total Vote: Approve 13, Disapprove 06, Abstain 00
    - Return ratio =100%
    - Approval ratio= 68.42%

#### Comments received: 164

* + Technical : 78
  + Editorial : 86
  + Comments are available at : https://mentor.ieee.org/802.21/dcn/16/21-16-0008-01-SAUC-lb9-comments-and-resolution.xls

#### Objective of this 802.21.1 TG meeting

* + Comments resolution
    - Assign the editor to address the editorial comments
    - Identify the critical technical comments that require additional contributions and discussions
    - Assign the comments to members/active contributors
    - Review comment status and schedule teleconferences
  + Schedule a joint session with IEEE 802.21m
    - Thursday, Jan 21, 2016: PM1 1:30-3:30pm
    - Review comments that may have dependencies and Next steps

## WG Chair mentioned about IEEE-SA Fellowship Program and IEEE 802 2016 Student Paper Contest ([http://www.ieee802.org/Student PaperContest/](http://www.ieee802.org/Student%20PaperContest/) 2016/), Wireless chairs meeting, and Tutorial of this meeting.

## WG Chair explained procedure for WG Officer Election in even year March IEEE 802 Plenary meetings

#### Election Procedure: See 802 webpage -> IEEE 802 policy and procedures -> Section 3.1

## Meeting adjourned at 02:50pm

# Day 4 PM2 (04:00pm-06:00pm): Room Harris; January 22, 2016

## 802.21 WG Closing Plenary: Meeting is called to order by Subir Das, Chair of IEEE 802.21WG

### Agenda was updated (DCN: 21-16-0001-01-0000-session-72-agenda).

### Closing report (DCN: 21-16-0020-00-session-72-closing-plenary-report)

## TGm 802.21-2008 Revision closing note (DCN: 21-16-0018-00-REVP-january-interim-closing-report)

### TG 802.21m had six sessions during this meeting

* + PM2, Monday, Jan 18, 2016
  + AM2 & PM1, Tuesday, Jan 19, 2016
  + AM1 & AM2 , Wednesday, Jan 20, 2016
  + AM1 Thursday, Jan 21, 2016
  + Thursday PM1 was jointly held with 802.21.1

### Progress in January 2016 Meeting

* + TG Discussed all the LB comments
* Accepted: 140
* Revised: 28
* Rejected: 6
* Open: 11
  + Commentary file is available at:
* https://mentor.ieee.org/802.21/dcn/16/21-16-0009-05-REVP-lb8-comments-and-resolution.xlsx

### 802.21m Teleconference (Tentative):

* + Jan 29, 2016, Friday, 7:30-9:00 am, US EST
  + Feb 05, 2016, Friday, 7:30-9:00am, US EST
  + Feb 12, 2016, Friday, 7:30-9:00am, US EST
  + Feb 19, 2016, Friday, 7:30-9:00am, US EST

All calls are scheduled jointly with 802.21.1

## TG 802.21.1 closing note (DCN: 21-16-0019-00-SAUC-january-interim-closing-report)

### TG 802.21.1 had six sessions during this meeting

* + AM1 & PM2, Tuesday, Jan 19, 2016
  + PM1 & PM2 , Wednesday, Jan 20, 2016
  + AM2 & PM1, Thursday, Jan 21, 2016
  + Thursday PM1 was jointly held with 802.21m

### Progress in January 2016 Meeting

* + TG discussed all the LB comments
* Accepted: 113
* Revised: 18
* Rejected: 5
* Open: 28
  + Commentary file is available at:
* https://mentor.ieee.org/802.21/dcn/16/21-16-0008-04-SAUC-lb9-comments-and-resolution.xls

### 802.21.1 Teleconference (Tentative):

* + Jan 29, 2016, Friday, 7:30-9:00 am, US EST
  + Feb 05, 2016, Friday, 7:30-9:00am, US EST
  + Feb 12, 2016, Friday, 7:30-9:00am, US EST
  + Feb 19, 2016, Friday, 7:30-9:00am, US EST

All calls are scheduled jointly with 802.21m

## IEEE 802.11 Status update

<https://mentor.ieee.org/802.21/dcn/16/21-16-0021-00-0000-802-11-report-for-2016-01.ppt>

## Teleconferences (Tentative)

### 802.21m and 802.21.1 Joint Teleconferences

* + Jan 29, 2016, Friday, 7:30-9:00 am, US EST
  + Feb 05, 2016, Friday, 7:30-9:00am, US EST
  + Feb 12, 2016, Friday, 7:30-9:00am, US EST
  + Feb 19, 2016, Friday, 7:30-9:00am, US EST

## WG Motions passed (Full details are in 21-16-0020-00)

##### Move to authorize the BRC to resolve remaining LB#8 comments (5/0/0)

* P802.21m BRC: Yoshihiro Ohba, Lily Chen, Yoshikazu Hanatani, Yusuke Shimizu, Tomoki Takazoe, Hyeong Ho Lee, and Subir Das

##### Move to authorize the P802.21m Editor to produce the draft document for Letter Ballot Recirculation (5/0/0)

##### Motion to authorize the Working Group chair to initiate Letter Ballot (LB#8a) on the question “Should P802.21m/D02 be forwarded to Sponsor Ballot?” (5/0/0)

##### Move to authorize the BRC to resolve remaining LB#9 comments (5/0/0)

* P802.21.1 BRC: Yoshihiro Ohba, Lily Chen, Yoshikazu Hanatani, Yusuke Shimizu, Tomoki Takazoe, Jin Seek Choi, Hyunho Park, Hyeong Ho Lee, and Subir Das

##### Move to authorize the P802.21.1 Editor to produce the draft document for Letter Ballot Recirculation (5/0/0)

##### Motion to authorize the Working Group chair to initiate Letter Ballot (LB#9a) on the question “Should P802.21.1/D02 be forwarded to Sponsor Ballot?” (5/0/0)

# Future Sessions

## Future Sessions – 2016

### Plenary: 13-18 March, 2016, Sands Venetian Hotel, Macau, PRC

* + Co-located with all 802 groups

### Interim: May 15-20, 2016, Hilton Waikoloa Village, HI, USA

* + Co-located with all wireless groups

### Plenary: 24-29 July 2016, Grand Hyatt, San Diego, USA

* + Co-located with all 802 groups

### Interim: 11-16 September 2016, Marriott, Warsaw, Poland

* + Co-located with all 802 wireless groups

### Plenary: 6-11 Nov 2016, Grand Hyatt, San Antonio, TX, USA

* + Co-located with all 802 groups

## March IEEE 802 Plenary meeting logistics

### March 13-18, 2016, Sands Venetian Hotel, Macau, PRC

### Event and Registration information are available now at:

* + Event Information : http://802world.org/plenary
  + REGISTER: https://802world.org/apps/session/95/register
  + CANCEL: https://802world.org/apps/session/95/register/cancel
  + HOTEL RESERVATIONS: https://booking.venetianmacao.com/Booking/Search?Ch  
    eckinDate=03/10/2016&LOS=1&Promocode=IEEE

### Registration Fee and Deadlines

* + Early: Before 6:00 PM Pacific Time, Friday, January 29, 2016
  + $US 600 for attendees staying at the Sands Venetian Macao, $US 1050 otherwise
  + Late/On-site: After 6:00 PM Pacific Time Friday January 29, 2016
  + $US 800 for attendees staying at the Sands Venetian Macao , otherwise $US 1250
  + Anyone who is not a registered guest at the Sands Venetian Macao Hotel for three (3) or more nights is not eligible for the registration discount.

### Cancellation Policy

* + Submitting an online request at https://802world.org/apps/session/95/register/cancel or submitting an email request to: 802info@facetoface-events.com
  + Full Refund: Before 6:00 pm PST, Friday, January 29, 2016
  + $US 100.00 fee applies between January 29 and February 12, 2016 (6 PM, PST)
  + No refund after 6:00PM PST, February 12, 2016

## Future Sessions – 2017

### January 15-20, 2017, Hyatt Regency, Atlanta, GA, USA

* + Co-located with all 802 groups

### Plenary: March 12-17, 2017, Hyatt Regency Vancouver

* + Co-located with all 802 groups

### Interim: May 13-18, 2017, Daejeon Convention Center, Daejeon, Korea (TBC)

* + Co-located with all wireless groups

### Plenary: July 9-14, 2017, Estrel Hotel and Convention Center, Berlin, Germany

* + Co-located with all 802 groups

### Interim: September 10-15, 2017, Hilton Waikoloa Village, Kona, HI, USA, 802 Wireless Interim Session.

* + Co-located with all 802 wireless groups

### Plenary: November 5-10, 2017, Caribe Hotel and Convention Center, Orlando, FL, USA

* + Co-located with all 802 groups

## WG Chair introduced the program of EC Workshop that will be held on 21-22 Jan. 2016, and reminded the WG Election in March IEEE 802 Plenary meeting.

# Attendance

|  |  |
| --- | --- |
| Chaplin Clint | Imagicon |
| Das Subir | Applied Communication Sciences |
| Eckert Edward | Itron |
| Goldberg Jonathan | IEEE SA Liaison |
| Hanatani Yoshikazu | Toshiba Corporation |
| Khatibi Farrokh | Qualcomm Incorporated |
| Lee Hyeong-Ho | ETRI |
| Shimizu Yusuke | Panasonic Corporation |
| Takazoe Tomoki | Panasonic Corporation |

# The meeting was adjourned at 04:55pm

 

IEEE P802.21.1 Media Independent Services and Use Cases

Meeting Minutes of the IEEE P802.21.1 Task Group

Chair: Subir Das

1. **Meeting Minutes of the IEEE P802.21.1 Task Group** 
   1. **Tuesday, AM1 Meeting, Harris, January 19, 2016 (8:00-10:00 AM)**

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

Opening note was presented by Chair (DCN: 21-16-0007-00)

Chair read the rules and reminded the patent policies.

No LOA was declared.

Editor started discussing the consolidated commentary file DCN: 21-16-0008-01.

Cmt #4, 6, 16, 17: Accepted-modified

Cmt #25, 26, 39, 40, 63: Accepted

Cmt#50 and cmt #65 are changed from Editorial to Technical.

Editor addressed almost all the editorial comments.

* 1. **Tuesday, PM2 Meeting, Harris, January 19, 2016 (4:00-6:00 PM)**

Meeting called to order by Chair at 4:00 PM

Editor started with technical comments

Cmt#89, 90, 93, 94, 97, 98, 99, 104, 112, 113, 115, 116, 117, and 119- Accepted

Cmt # 91, 92, 95, 96,101,103- Accepted-Modified

Cmt # 114: Rejected

* 1. **Wednesday, PM1 Meeting, Harris, January 20, 2016 (1:30-3:30PM)**

Chair called the meeting to order at 1:35 PM

Cmt #117, 122, 124, 125, 127, 128, 129, 131, 132, 135, 136. 137, 138, 139, and 140, 143, 144, 145, 146, and 147: Accepted

Cmt # 133, 134, 141: Accepted- modified

Cmt #142: Accept in principle

Cmt # 121, 126, 130: Rejected

Cmt #117: Proposed remedy was presented by Hyeong-Ho Lee, and accepted (DCN 21-16-0013-00)

* 1. **Wednesday, PM2 Meeting, Harris, January 20, 2016 (4:00-6:00PM)**

Chair called the meeting to order at 4:00 PM

Cmt # 150, 152, 153, 154,157, 158, 159, 160, 162, 163, 164, Accepted

Cmt # 151, 161: Accepted- modified

Cmt #: Accept in principle

Cmt #: Rejected

Cmt #157: Proposed remedy was presented by Hyeong-Ho Lee, and accepted (DCN 21-16-0014-00)

* 1. **Thursday, AM2 Meeting, Harris, January 21, 2016 (10:30-12:30 PM)**

Chair called the meeting to order at 11:00 AM

Editor discussed the comments from Lily.

Cmt #102:

Cmt #105: Reject

Cmt # 109:

Cmt #110: If #107 is addressed, this can be superceded by it.

Cmt #111: If #107 is addressed, this can be superceded by it.

## Thursday, PM1 Meeting, Harris, January 21, 2016 (2:30-3:00 pm)

Chair called the meeting to order at 2:33 PM

Cmt #162 and 163: suggested remedy was presented and revised (DCN 21-16-0015-01)

For more details please refer to:

https://mentor.ieee.org/802.21/dcn/16/21-16-0008-04-SAUC-lb9-comments-and-resolution.xls

Telecon Dates:

Time: 7:30-9:00 am, EST, Jan 29, Feb 5, 12 and 19, 2016

Meeting was adjourned at 3:00 pm

** **

**IEEE P802.21 Media Independent Handover Services**

**Minutes of the IEEE P802.21m Task Group**

**Chair: Subir Das**

1. **Meeting Minutes of the IEEE P802.21m Task Group** 
   1. **Monday, PM2 Meeting, Harris, January 18, 2016 (4:00-6:00 PM)**

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

Opening note was presented by Chair (DCN: 21-16-0006-00)

Chair read the rules and reminded the patent policies.

No LOA was declared.

Editor started with the comment resolution discussion (DCN: 21-16-0009-00)

TG authorized the Editor to address all the editorial comments.

Editor discussed the following editorial comments and they are addressed:

Cmt #24: Rejected since the figure is not truncated.

Cmt #31: Accepted- modified.

Cmt #48: Accepted; instead of figure reference, refer the clause number.

Cmt #61: They are already referred.

Cmt #99 - #101: Accepted –modified

Cmt#173 – assigned to Subir

Cmt #176 – assigned to Subir

Remaining editorials comments will be addressed by the Editor. Members were requested to look at other editorial comments and provide comments to the editor, if any.

TG started discussing the technical comments.

Cmt #1, #7, 16, 17, 22, 27, 32, and 36: Accepted.

Cmt #18, 19: Accepted- modified

Cmt#23: Accepted; suggested text is: “Layer 3 or higher layer Protocol”

* 1. **Tuesday, AM2 Meeting, Harris, January 19, 2016 (10:30-12:30 AM)**

Meeting called to order by Chair at 10:30 AM

Chair mentioned that he contacted IEEE-SA editor for creating a persistent URL for Schema and MIB.

Cmt#173, #176 are discussed.

Editor started with technical comments

Cmt #38, 39, 40, 41, 42, 46, 47, 60, 63, 65, 67, 68, 69, 70, 71, 72, 73, 81, 82, 88: Accepted

Cmt #43, 50: Accepted-modified

Cmt #44, 49, 51: Rejected

* 1. **Tuesday, PM1 Meeting, Harris, January 19, 2016 (1:30-3:30PM)**

Chair called the meeting to order at 1:30 PM

Editor started with the technical comment discussions.

Cmt # 97: Accepted and decided to add this in 802.21.1 draft.

Cmt #105: Accepted and decided to add this in 802.21.1 draft

Cmt# 108, 110, 111, 114, 115, 118, 120, 121, 122, 123, 125, 127, 128, 129, 132: Accepted

Cmt # 112, 113, 117, 124: Accepted-modified

* 1. **Wednesday, AM1 Meeting, Harris, January 20, 2016 (8:00-10:00PM)**

Hyeong Ho Lee chaired the meeting and called the meeting to order at 8:00 AM

Cmt #143, #144, #145, #148, #159

* Cmt #124, #126, #153, #156, #171: Accepted-Modified
  1. **Wednesday, AM2 Meeting, Harris, January 20, 2016 (10:30-12:30PM)**

Chair called the meeting to order at 10:30 PM

Cmt # 130 : Accepted

Cmt# 37, 132, 133, 134, 135, 147: Accepted Modified

Cmt # 70: Rejected

* 1. **Thursday, AM1 Meeting, Harris, January 21, 2016 (8:00-10:00 am)**

Chair called the meeting to order at 8:05 AM

This was a joint session with 802.21.1

Discussion took place w.r.t SDRAN comments and Editor provided feedback.

Editor presented DCN-21-16-10-01 was discussed and additional feedback was provided. Editor will update the version.

* 1. **Thursday, PM1 Meeting, Harris, January 21, 2016 (1:30-2:30 pm)**

Chair called the meeting to order at 1:33 PM

Editor started the discussion

Cmt #149: DCN 16-10-02 was discussed. It was suggested to split the contribution to two documents. Changes to 9.2.2 clause should go to 802.21m draft. Changes to Clause 5.14 should go to 802.21.1 draft

Cmt #149, 172, 174, 26: Accepted

Please refer to commentary file for more details:

<https://mentor.ieee.org/802.21/dcn/16/21-16-0009-05-REVP-lb8-comments-and-resolution.xlsx>

Telecon Dates:

Time: 7:30-9:00 am, EST, Jan 29, Feb 5, 12 and 19, 2016

Meeting was adjourned at 2:30 PM