 

IEEE P802.21 Media Independent Handover Services

Minutes of the IEEE P802.21 Working Group (DCN 21-17-0050-00)

Session #82 Meeting, Big Island, HI, USA

Chair: Subir Das

Vice Chair: Hyeong-Ho Lee

# Day 1 PM1 (1:30pm-3:30pm), September 11, 2017: Room Waikoloa 3

## IEEE 802.21 WG Opening Plenary: Meeting is called to order at 1:37pm by Subir Das, Chair of IEEE 802.21 WG with opening notes

## September, 2017 Meeting Agenda (DCN: 21-17-0043-00-MISU-session-82-agenda)

### Agenda bashing:

#### Agenda was modified by moving the WG closing plenary session from AM2 to AM1 (9:00~10:00) on Thursday.

#### The revised agenda (DCN: 21-17-0043-01-0000) was approved without any objection.

## IEEE 802.21 Session #82 Opening Plenary Notes (21-17-0047-00-0000)

### Meeting logistics: Meeting room Waikoloa 3; JTC1/SC6 Ad hoc: Kona 1

### <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

### P802.21-2017/Cor1 - Corrigenda Project

#### Sponsor Ballot (SB) ended on Sept 08 and is approved

### IEEE802.21-2017 and IEEE802.21.1-2017 Standards are submitted to ISO/JTC1/SC6 for consideration under PSDO process.

#### The 5-month FDIS Ballots on two standards may start in September and close in February next year.

## Working Group Objectives for September meeting

### Work/Discussion on

#### Discuss IEEE P3079: HMD based 3D Content Motion Sickness Reducing Technology

#### Presentation on Network requirements on AR/VR

#### ISO-IEC/SC6 Next Steps

#### IEEE-802.21-2017/Cor1 SB Ballot Results

#### IEEE 802c presentation

#### EC approval request to submit IEEE 802.21-2017/Cor1 to RevCom

## Sponsor Ballot Results of P802.21-2017/Cor1 - Corrigenda Project

#### Ballot Open Date: 09-Aug-2017

#### Ballot Close Date: 08-Sep-2017

#### Draft #:  D02

#### RESPONSE RATE

* + 40 votes received = 88% returned and 0% abstention

#### APPROVAL RATE

* + The 75% affirmation requirement is being met.
  + 40 affirmative votes
  + 0   negative votes with comments
  + 40 votes = 100% affirmative

## Session #81 minutes (DCN: 21-17-0042-00-0000) and Teleconference minutes (DCN: 21-17-0044-00-0000) were approved without any objections.

## Working Group Chair reported meeting results of the 802 Wireless Chairs and opening Plenary Meeting (DCN: ec-17-0151-00-WCSG).

## Working Group Chair is working for a Press Release/Blog post on the publication of 802.21-2017 and 802.21.1-2017 standards with IEEE-SA marking company and staff.

#### Representative diagram is needed, and the meeting will discuss on the diagram in the following sessions.

## Meeting adjourned at 2:45pm

# DAY 2 AM2 (10:30am-12:30pm), PM2 (4:00pm-6:00pm), September 12, 2017: Room Waikoloa 3

## Meeting is called to order at 10:30am by Subir Das, Chair of IEEE 802.21 WG

## Discussion on Network Requirement for AR/VR Service

#### Sangkwon Peter Jeong presented “Use-case for handover occurrence while using the VR service” (DCN 21-17-0045-00-0000). Discussions took place along the following points:

#### Is this use case related to network discovery and selection, or just an application adaptation?

#### Do we need QoS adaptation in the network layer, or just need to inform application that the network congestion is occurring?

#### The meeting discussed to create a white paper document that investigates the scenarios and problems of mobile VR service.

#### Sangkwon Peter Jeong said that the chair of P3079 wants to provide a tutorial on this VR service issues to IEEE 802 members in November 802 plenary meeting, and he requested a template and samples for the white paper, and also samples for the tutorial.

WG chair mentioned about the procedure in submitting the tutorial proposal to 802 EC. Chair is willing to sponsor and submit a proposal if IEEE P3079 WG can bring 3-4 speakers showing a variety of industry interests,.

## Discussion on Diagrams for the Press Release/Blog post

#### Yoshikazu Hanatani presented initial drafts of diagrams; 7-layer protocol diagram and an overall diagram showing devices, network, and the use cases.

#### Meeting discussed and modified the 7-layer protocol diagram and the overall diagram for better presentation.

## Roger Marks presented “Local MAC Addresses in the Overview and Architecture based on IEEE Std 802c” (DCN: IEEE 802.11-17/1466r00).

#### IEEE Std 802c is approved by the IEEE-SA Standards Board on 15 June 2017, amending the IEEE 802 Overview and Architecture to specify Local Medium Access Control (MAC) Address Usage.

#### This presentation summarized the changes and implications. It also summarized a new revision, prepared in coordination with 802c, of the relevant tutorial of the IEEE Registration Authority (IEEE RA).

A new project called IEEE 802cQ is also mentioned which is soliciting the contributions.

## Meeting adjourned at 05:30pm

# DAY 3 AM2 (10:30am-12:30pm), September 13, 2017: Room Waikoloa 3

## Meeting is called to order at 10:30am by Subir Das, Chair of IEEE 802.21 WG

## Discussion on the Tutorial Proposal and the Preparation of White Paper on AR/VR Use Cases and Requirements

#### Tutorial proposal for November 802 plenary meeting

#### The deadline for tutorial proposal is 21st September for November 2017 plenary session..

#### The tutorial proposal needs the sponsor of working group chair and requires at least 3 speakers for 1 hour and 20 minutes.

#### Sangkwon Peter Jeong and Dillon Seo may prepare tutorial proposal, and send it to working group chair by 20 September.

#### Sample documents for white paper on AR/VR Use Cases and Requirements are discussed

#### DCN: 21-09-0041-04 (Use Cases and Requirements for Handovers with Broadcast Services)

#### DCN: 21-08-0172-02 (Technical Requirements for IEEE 802.21 Security)

#### Sangkwon Peter Jeong and the IEEE P3079 members will prepare initial draft of the white paper with the network requirement subsection TBD , and will present it in November, 2017 meeting.

## WG Motion

#### Move to Authorize the WG Chair to request the EC to forward IEEE P802.21-2017/Cor1 to IEEE SA RevCom.

#### Motion passed (6/0/0) (Full details are available in 21-17-0049-00-0000)

#### WG Chair will check with IEEE-SA liaison Jordi Haasz regarding the process for informing JTC1 SC6 on the P802.21-2017/Cor.1.

## Discussion on ISO/IEC JTC1/SC6 5-month FDIS ballot

#### The 5-month FDIS ballots for IEEE 802.21-2017 and IEEE 802.21.1-2017 will start in September and will close in February next year.

#### Hyeong Ho Lee will check if he can attend as an IEEE 802 representative the next JTC1 SC6 meeting that will be held in October 2017.

## Meeting adjourned at 12:20pm

# Day 4 AM1 (08:00am-10:30am), September 14, 2017: Room Waikoloa 3

## 802.21 WG Closing Plenary: Meeting is called to order at 09:15am by Subir Das, Chair of IEEE 802.21WG

## Report on ECHONET Lite for 2017-09

#### Yoshikazu Hanatani reported the current status of ECHONET Lite (DCN: 21-17-0048-00-0000).

#### Multicast security mechanism in IEEE Std 802.21-2017 and HEMS use case in IEEE Std 802.21.1-2017 are applied to the Device authentication (DA) specification of ECHONET Lite.

#### To simplify a certificate for DA specification, a provisioning protocol will be updated.

#### The update does not affect IEEE Std 802.21-2017.

#### Target date of the update is December, 2017.

#### Test specification defines a check list for certifying an implementation of DA specification.

#### It will be revised based on the update of DA specification.

#### DA conformance WG is still discussing the operational method, e.g., Certificate Authority for DA spec.

## IEEE 802.21 Session #82 Closing Plenary Report (DCN: 21-17-0049-00-0000)

## Work Update

#### Presentation on Network requirements for IEEE P3079 and discussion on creating a white paper

#### <https://mentor.ieee.org/802.21/dcn/17/21-17-0045-00-0000-use-case-for-handover-occurrence-while-using-the-vr-service.docx>

#### Met with ISO/JTC1/SC6

#### <https://mentor.ieee.org/802.11/dcn/17/11-17-1178-05-0jtc-jtc1-sc-agenda-for-hawaii-sep-2017.pptx>

#### Discussed the IEEE-SA Press Release

#### Presentation on 802C

#### <https://mentor.ieee.org/802.11/dcn/17/11-17-1466-01-0000-local-mac-addresses-in-the-overview-and-architecture-based-on-ieee-std-802c.pptx>

#### Presentation on EchoNet Lite

#### <https://mentor.ieee.org/802.21/dcn/17/21-17-0048-00-0000-report-on-echonet-lite-for-2017-09.ppt>

## WG Motion (Full details are available in 21-17-0049-00-0000)

##### Move to Authorize the WG Chair to request the EC to forward IEEE P802.21-2017/cor1 to IEEE SA RevCom. (6/0/0)

## Teleconferences

#### Monday, October 16, 2017, 7:00-8:00 am, US EDT (8:00-9:00 pm, JST/KST)

## Future Session – 2017

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

* + Co-located with all 802 groups

## November 2017 Plenary Meeting Logistics

### IEEE 802 Plenary Session, November 5-10, 2017

* + Meeting Venue: the Caribe Royale in Orlando, Florida, USA.
  + Event Information: <http://802world.org/plenary>
  + Registration: <https://www.regonline.com/ieee802plenarynovember17>

### Registration Fees and Deadlines

* + Early Registration
    - $US 450.00 for attendees staying one or more nights at the Caribe Royale Orlando otherwise US $750.00
    - Deadline: 6:00 PM Pacific Time, Friday, October 13, 2017
  + Standard Registration
    - $US 550.00 for attendees staying one or more nights at Caribe Royale Orlando  otherwise $US 850.00 for all others
    - Deadline: 6:00 PM Pacific Time, Friday, November 3, 2017
  + Late/On-site Registration
    - $US 750.00 for attendees staying one or more nights at Caribe Royale Orlando otherwise $US 1050.00
    - After: 6:00 PM Pacific Time, Friday, November 3, 2017

### Hotel Reservations

* + <https://reservations.travelclick.com/5636?groupID=1693692>
  + IEEE 802 Room Rates
    - Single/Double Occupancy\*: $US 139.00 per night; 2 Bedroom Villa (4 Adult Occupancy)\*: $US 285.00 per Night
    - IEEE 802 Group Rate Deadline: Friday, October 13, 2017, 8:00 PM Eastern Time

## Future Sessions – 2018

### Interim: January 15-20, 2018, Hotel Irvine, Los Angeles, CA, USA

* + Co-located with all 802 groups

### Plenary: March 04-09, 2018, Hyatt Regency O’Hare, Rosemont, Illinois, USA

* + Co-located with all 802 groups

### Interim: May 06-11, 2018, Marriott, Warsaw, Poland

* + Co-located with all wireless groups

### Plenary: July 8-13, 2018, Manchester Grand Hyatt, San Diego, CA, USA

* + Co-located with all 802 groups

### Interim: September 09-14, 2018, Hilton Waikoloa Village, Kona, HI, USA, 802 Wireless Interim Session.

* + Co-located with all 802 wireless groups

### Plenary: November 11-16, 2017, Marriott Marquis Queen’s Park, Bangkok, Thailand

* + Co-located with all 802 groups

## The meeting was adjourned at 09:40am

# Attendance

|  |  |
| --- | --- |
| Das Subir | Vencore Labs |
| Hanatani Yoshikazu | Toshiba Corporation |
| Jeong Sangkwon Peter | JoyFun Inc. |
| Lee Hyeong-Ho | ETRI |
| Shimizu Yusuke | Panasonic Corporation |
| Takazoe Tomoki | Panasonic Corporation |