**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | **IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)** |
| Title | **TG4aa JRE Group May Virtual Interim Session Minutes** |
| Date Submitted | [19 May 2021] |
| Source | [Kiyoshi Fukui, OKI, Japan] | E-mail: [fukui535@oki.com] |
| Re: |  |
| Abstract | [IEEE 802.15 TG4aa JRE Acting Task Group Interim Session Call Minutes.] |
| Purpose | [Report of progress to WG.] |
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**11 May 2021 Virtual Interim Minutes - IEEE 802.15.4aa**

**Attendees (36):**

Takashi Kuramochi (Lapis)

Takamitsu Hafuka (Lapis)

Yoshio Kashiwagi (Nissin Systems)

Kenichi Mori (self)

Hideyuki Kuribayashi (ROHM)

Yuki Matsumura (ROHM)

Jerome Henry (Cisco)

Seong-Soon Joo(ETRI)

Jeng-Shiann Jiang (Vertexcom)

Bernhard Grosswindhager (NXP)

Carl Murray (Qorvo)

Carlos Aldana (Facebook)

Chris Calvert(L+G)

Clark Palmer (Meteorcomm)

Daoud Serang

Don Sturek (Itron)

Eren Sasoglu

Henk de Ruijter (Silicon Labs)

Hiroshi Harada (Kyoto University)

Hitoshi Tanaka (Lapis)

Hugues de Perthuis (NXP)

Igor Dotlic (Qurvo)

Iwao Hosako (NICT)

Joe Polland

Kiyoshi Fukui (OKI)

Kunal Shah (Itron)

Minsoo Kim

Mohammad Rahmani(SPARK Micros)

Phil Beecher (Wi-SUN)

Riku Pirhonen (NXP)

Kiyoshi Tada (IFT inc)

Tatsuo Imai (ARIS Co Inc)

Tero Kivinen

Xiliang Luo (Apple)

Yasuharu Amezawa

Momoka Ueda

**Tuesday 11th May 2021 17:00 EDT**

17:05 EDT: Kuramochi calls meeting to order and introduces opening report 15-21-0264-00-04aa

Kuramochi reads Administrative Items and introduces task group officers (15-21-0264-00-04aa).

Kuramochi reads Patent Policy and IEEE-SA Policy and Procedures (15-21-0264-00-04aa).

Opportunity for patent declarations: none are made

Kuramochi shows slides from opening report (15-21-0264-00-04aa) and explains recording attendance using IMAT.

Kuramochi shows slides from opening report (15-21-0264-00-04aa) and explains JRE schedule for the week.

Kuramochi shows slides from opening report (15-21-0264-00-04aa) and explains agenda.

Motion to approve Agenda

Moved: Kunal Shah (Itron)

Second: Hiroshi Harada (Kyoto University)

There is no discussion or objections.

Agenda is approved unanimous consent.

Kuramochi shows March Plenary minutes (15-21-0169-01-04aa).

Approval of the last meeting minutes

Moved: Hiroshi Harada (Kyoto University)

Second: Kunal Shah (Itron)

There is no discussion or objections.

Last meeting minutes is approved unanimous consent.

**Review and resolve WG ballot comments (LB183)**

Kuramochi shows the consolidated comments(15-21-0241-01-04aa) and review the comments and resolved one by one. All the comments of the draft 06 are resolved and one of the comments on CAD is resolved.

**Recess**

Kuramochi informed that comment resolutions for CAD are continued on 13th May.

18:50 EDT Meeting is recessed.

**13 May 2021 Virtual Interim Minutes - IEEE 802.15.4aa**

**Attendees (40):**

Takashi Kuramochi (Lapis)

Takamitsu Hafuka (Lapis)

Yoshio Kashiwagi (Nissin Systems)

Kenichi Mori (Self)

Hideyuki Kuribayashi (ROHM)

Harry Bim (Bims Laboratories)

Seong-Soon Joo (ETRI)

Jeng-Shiann Jiang (Vertexcom)

Carl Murray (Qorvo)

Calros Aldana

Chris Hett (L+G)

Clark Palmer (Meteorcomm)

Don Sturek (Itron)

Dries Neirynck Novelda

Frederic Nabki (SPARK)

Gary Stuebing (Cisco)

Henk de Ruijter (Silicon Labs)

Hiroshi Harada (Kyoto University)

Hiroshi Ishigata

Hiroyuki Toda (Lapis)

Hitoshi Tanaka (Lapis)

Huan-Bang Li (NICT)

Iwao Hosako (NICT)

Jack Zou

Joe Polland

Kamran Sayrafian

Kiyoshi Fukui (OKI)

Kunal Shah (Itron)

Masayuki Hirata

Minsoo Kim

Takahiro Sato (Renesas)

Phil Beecher (Wi-SUN)

Ruben Salazar

Seiji Nakanishi (Lapis)

Kiyoshi Tada (IFT inc)

Tatsuo Imai (ARIS Co Inc)

Tero Kivinen

Xiliang Luo (Apple)

Yasuharu Amezawa

Yutaka Ueda

**Thursday 13th May 2021 17:00 EDT**

17:05 EDT: Kuramochi calls meeting to order and introduces opening report 15-21-0264-01-04aa

Kuramochi shows slides from opening report (15-21-0264-01-04aa) and explains recording attendance using IMAT.

**Review and resolve WG ballot comments (LB183)**

Fukui (OKI) shows the proposal of CID18 (15-21-0275-00-4aa) and explain the proposal.

There are no comments about his proposals. His proposal was approved without any objections.

Kuramochi shows the consolidated comments (15-21-0241-02-04aa) and review the comments and resolved one by one. All the comments of the CAD are resolved.

**Recess**

17:50 EDT Meeting is recessed.

**17 May 2021 Virtual Interim Minutes - IEEE 802.15.4aa**

**Attendees(26):**

Takashi Kuramochi (Lapis)

Takamitsu Hafuka (Lapis)

Yoshio Kashiwagi (Nissin Systems)

Kenichi Mori (Self)

Hideyuki Kuribayashi (ROHM)

Jeng-Shiann Jiang (Vertexcom)

Ann Krieger (US DoD)

Chris Calvert (L+G)

Clint Powell (Facebook)

Dag T. Wisland (Novelda AS)

Ghiath Rias Al-Kadi (NXP)

Henk de Ruijter (Silicon Labs)

Hiroki Saito

Hiroshi Harada (Kyoto University)

Hitoshi Tanaka (Lapis)

Jack Zou

Kiyoshi Fukui (OKI)

Kunal Shah (Itron)

Larry Zakaib (Spark Microsystems)

Nicolas Paillusseau (SPARK)

Takahiro Sato (Renesas)

Phil Beecher (Wi-SUN)

Seiji Nakanishi (Lapis)

SK

Tero Kivinen

Yasuharu Amezawa

**Monday 17th May 2021 17:00 EDT**

17:05 EDT: Kuramochi calls meeting to order and introduces opening report 15-21-0264-03-04aa

Kuramochi shows slides from opening report (15-21-0264-03-04aa) and explains recording attendance using IMAT.

**Review and resolve WG ballot comments (LB183)**

Shah (ITRON) shows the proposal of CID32 (15-21-0296-01-04aa) and explains his proposals.

There are some discussions about the definition of “channel spacing” and “channel separation”.

His proposal was approved without any objections.

Kuramochi shows the consolidated comments (15-21-0241-03-04aa) and updates for CID32 according to Shah’s proposal (15-21-0296-01-04aa). Then Kuramochi uploads consolidated comments (15-21-0241-04-04aa) to the mentor.

**Review CAD**

Kuramochi shows updated CAD (15-21-0083-07-04aa) with revision note, and explains changes one by one. There are no comments about CAD updates. Then Kuramochi updates CAD (15-21-0083-08-04aa) without revision note, then uploads to the mentor.

**TG Motion**

TG Motion for Recirculation Letter Ballot

*Move that TG4aa formally request that the 802.15 WG start a WG Letter Ballot requesting approval of CA document [*15-21-0083-08-04aa*] and document* P802-15-4aa\_D7 *(as edited in accordance with the instructions in document* 15-21-0241-04-04aa*) and to forward document* P802-15-4aa\_D7*, as edited in accordance with the instructions in document* 15-21-0241-04-04aa *, and CA document [*15-21-0083-08-04aa*] to Standards Association ballot pending the completion and inclusion of the edits in the draft.*

Moved: Kunal Shah (ITRON)

Seconded: Chris Calvert (Landis and Gyr)

Approved by unanimous consent

TG Motion for CRG formation

*Move that TG4aa formally request that the 802.15 WG approve the formation of a Comment Resolution Group (CRG) for the WG balloting of the P802.15.4aa\_D7 with the following membership: Takashi Kuramochi (Chair), Kunal Shah (ITRON), Hiroshi Harada (Kyoto University), Kiyoshi Fukui (OKI), and Henk de Ruijter (Silicon Labs). The 802.15.4aa CRG is authorized to approve comment resolutions, edit the draft according to the comment resolutions, and to approve the start of recirculation ballots of the revised draft on behalf of the 802.15 WG. Comment resolution on recirculation ballots between sessions will be conducted via reflector email and via teleconferences announced to the reflector as per the LMSC 802 WG P&P*

Moved: Kunal Shah (ITRON)

Seconded: Chris Calvert (Landis and Gyr)

Approved by unanimous consent

**Next step**

Draft update and recirculation ballot schedule have been discussed as shown below.

* Update the draft based on comment resolution. (End of May)
* Start Recirculation Ballot (Targeting June 1st)
* 15 days for Recirculation ballot (End June 15th)
* Review WG ballot comments by CRG (before July)
* July 12th ? starts July Plenary.

**July Plenary Plan**

Three sessions are planned on 13th July, 15th July and 19th July.

Topics will be

* Review comments on the ballot
* Amendment of the draft
* TG motion for Recirculation ballot

**Adjourn**

18:50 EDT Meeting is adjourned

Moved: Kunal Shah (ITRON)

Second: Clint Powell (Facebook)

There is no discussion or objections. Adjourn is approved unanimous consent.