# IEEE P802.15

**Wireless Personal Area Networks**

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| Project | Dependability Interest Group | |
| Title | **Meeting Minutes for September 2020** | |
| Date Submitted | September 18th, 2020 | |
| Source | [Ryuji Kohno][YNU(Yokohama National University)/CWC] | Voice: +81 90 3061 7978  E-mail: kohno@ynu.ac.jp |
| Re: | Meeting Minutes | |
| Abstract | IG-DEP activities as amendment of existing IEEE802.15.6 for WBAN or a new standard, conventional focused use cases, additional use cases, technical requirement, draft of PAR and CSD have been rereviewed. According to request from BMI Center of NICT, IG-DEP restarts amendment of 15.6 standard for medical BAN applicable to 40 times more sensors and 5 times higher aggregate data rate for EEG or ECoG.  Enhance dependability in PHY and MAC of IEEE802.15.6 for WBAN is focused UWB RF in PHY. Dependability includes regulatory compliance, so global regulation for UWB should be reviewed because some nations have updated regulation for UWB. Particularly Japanese MIC radio regulation was updated last May and is expected that it will be updated next January again.  ID-DEP focuses enhancement of dependability in MAC as well with amendment of 802.15.6 hybrid MAC between contention base and contention free MAC protocols.  Key items and timeline for the amendment of 15.6 in next meetings has been discussed. Web meetings due to COVID-19 make us more telco and web meetings until November meeting. | |
| Purpose | Minutes of Dependability Interim session in virtual meeting with webex, September 2020 | |
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**Friday, September 18th, 2020, AM 8:00-10:00**

**Room: Webex Virtual Conference (Seat 4)**

* 1. Meeting called to order 8:00

By Chair Ryuji Kohno (YNU / CWC UofOulu)

* 1. Roll Call

Webex Attendance Recorded

* 1. Opening Report

Chair presented Opening report　　　　　　　　　　　　　 doc.#20-0238-01

Chair showed IEEE Patent policy.

Chair issued Call for Potentially Essential Patents

No essential intellectual property in the scope of IG DEP was declared.

Chair presented agenda this week doc.# 20-0240-01

* 1. Approval of previous meeting minutes

Upon no comments on the previous meeting minutes, doc #19-0568-00-0dep-ig-dep was approved.

* 1. Overview of IG DEP activity doc. # 18-347r1
  2. Review of IEEE802.15.6 Wireless Medical BAN
  3. Updated Technical Requirements for Focused Use Cases on WBAN for Human, Robotic and Car Bodies doc. #19-0157r3
* Brief introduction of “Requirement for Wireless Medical BAN to Apply for ECoG-based Brain-Machine Interface” doc.# 15-19-0419-01-0dep
  1. MAC Protocol with Interference Mitigation Using Negotiation among Coordinators in Multiple Wireless Body Area Networks(BAN) doc.# 19-0503

It was skipped due to time limitation.

* 1. Transmission power control using integrated terminal between 5G and UWB-BAN to maximize throughput of the BAN doc.# 19-0274

It was skipped due to time limitation.

2.0 Expecting Update of UWB Outdoor Use Radio Regulation in Japan

Please note that is not an official announcement of Japanese government.

doc. # 15-20-241-00-0dep

2.1 Key issues and agenda in Coming November and January meetings will be discussed.

(1) Primary focus on Amendment of PHY and MAC of IEEE802.15.6 Wireless Medical BAN to Dependable BAN for Medicine, Cars and other IoT/M2M Use cases with Data Science for Next Generation of ECoG-BMI.

(2) Expecting users and sponsors of the amendment of Medical BAN

(3) Uniqueness of the ammendment

2.2 Requirement for Wireless Medical BAN to Apply for ECoG-based Brain-Machine Interface

2.3 Brief introduction of “Requirement for Wireless Medical BAN to Apply for ECoG-based Brain-Machine Interface” doc.# 15-19-0419-01-0dep

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**Attendees list**

Attendees 7 (8)

* Ryuji Kohno (YNU / CWC UofOulu)
* Takumi Kobayashi (YNU)
* Takahumi Suzuki (NICT)
* Ann Kringer (US DoD)
* Marco Hernandez
* Seiji Nakanishi
* (Hiroyuki Toda) \* just few minutes only.
* Huan-Bang Lee (NICT)