**IEEE *P1936.1* Working Group**

**The 3rd Teleconference**

**Meeting Minutes**

***May 7, 2021***

***09:00 to 11:30 Tencent Meeting***

*Xiang TAN*, IGSNRR, Working Group Chair

Recorded by *Xianding HE,* CAP, Working Group Secretary

1. Call to Order
   * Introduction and Declarations of Affiliations
   * Introduction to member entities
   * Introduction of new Designated Representatives and Designated Representative Alternate

Chair *Xiang TAN* called the meeting to order at 09:00 am

* + Goal of this meeting

Chair *Xiang TAN* presented the goal of the Meeting:

* + *Discussion of the ballot processes, new drafts, and next step of WG.*

1. Approval of the Agenda

Chair *Xiang TAN* presented the agenda document of P1936.1 agenda.

Motion #1: Move to approve the Agenda, [*P679 WG May-7-2021-3rd TeleConference Schedule-unapproved.docx*](1.%20IEEE%20P679%20WG%20July-31-2019-Suzhou-2nd%20Face%20to%20Face%20Meeting-Plenary%20Schedule-unapproved-0713.docx)*.*

* + Moved by: *Haiying LU*, CESI
  + Seconded by: *Xianding HE, CAP*

Motion passed unanimously.

1. Review/Approval of the meeting minutes of last meeting

Chair *Xiang TAN* presented the meeting minutes of last meeting.

Motion #2: Move to approve the Minutes *P1936.1 SDAF WG Mar-20-2020-2nd teleconference \_meeting minutes\_unapproved\_20200326.docx .*

* + Moved by: *Haiying LU, CESI*
  + Seconded by: *Chenchen XU, IGSNRR*

Motion passed unanimously.

1. IEEE Patent Policy

Chair *Xiang Tan* presented [the Patents](https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf) slide to the WG and made a call for patents at 9:05 a.m.

No potentially essential patent claims were declared, and no holders of potentially essential patents were identified.

1. Discussion about the SA ballot process

Secretary *Xianding HE* from CAP presented the SA ballot outcome and the initial ballot comments of the draft of P1936.1*.*

Discussion 1: One of the initial ballot comments is to Change ‘Standard’ with ‘Recommended Practice’ in P1936.1 draft title since the draft does not contain specification text. It describes only best practice.

*Haiying LU* from CESI*:* according to previous experience, ‘recommended practice’ is not a common expression to use, I prefer not to change the title. I fully understand that it is difficult to give specific indicators in P1936.1 Standard for Drone Applications Framework since it’s a framework, however, I still suggest that we try to give some range and indicators in the draft.

*Xianding HE* from CAP: in our previous versions of the draft, we’ve listed many specification texts. Due to the rapid development of the corresponding indicators of drone, and the uncertainties of the indicators, some of the functional parameters are filtered out in the submitted version. So, we are inclined to accept this comment and change ‘Standard’ with ‘Recommended Practice’.

Motion #3: Move to next step for P1936.1 standard.

* + Moved by: *Fuhu REN, Collaborative Innovation Center for Geospatial Big Data, Peking University*
  + Seconded by: *Haiying LU, CESI*

Motion passed unanimously.

1. New standard projects

The WG member discussed the standard draft and the key comments were recorded below:

1. *Wenjun HAN* from *State Grid Corporation of China (SGCC)* presented *P1936.2* *“Photogrammetric Technical Standard of Civil Light and Small Unmanned Aircraft Systems for Overhead Transmission Line Engineering”.*

Motion #4: Move to approve the new standard and appoint Wenjun Han from SGCC chair of the subgroup. IEEE 1936.2*“Photogrammetric Technical Standard of Civil Light and Small Unmanned Aircraft Systems for Overhead Transmission Line Engineering”.*

* + Moved by: *Haiying LU, CESI*
  + Seconded by: *Fuhu REN, Collaborative Innovation Center for Geospatial Big Data, Peking University*

Motion passed unanimously.

1. *Dr. Yiyou Chen* from *The Second Research Institute of CAAC* suggested to start a new standard project, 1936.n *Standard for traffic management services in drone applications.*

Motion #5: Since the new PAR is not ready, move to set up a study group led by Dr.Chen *1936.n Standard for UAV traffic management services in drone applications, .*

* + Moved by: *Haiying LU, CESI*
  + Seconded by: *Chenchen XU, IGSNRR*

Motion passed unanimously.

1. Discussion about the next step of 1936.1 working group

The secretary of working group provides corresponding materials to assist members in applying for local government subsidies of the standards.

1. Meeting to adjourn

Motion #6: Move to adjourn

* + Moved by: *Xiang TAN, IGSNRR*
  + Seconded by: *Haiying LU, CESI*

Motion passed unanimously.

The WG adjourned at 10:00 a.m.

* **Attachment**

List of participants:

a. Voting Members present:

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Participants** | **Affiliations** | **Voting status** |
| 1 | Xiaohan LIao(R by Chenchen Xu) | IGSNRR（中国科学院地理科学与资源研究所） | **V** |
| 2 | Xiang Tan谭翔 | IGSNRR（中国科学院地理科学与资源研究所） | **V** |
| 3 | Ying Mai买莹 | IGSNRR（中国科学院地理科学与资源研究所） |  |
| 4 | Chenchen Xu徐晨晨 | IGSNRR（中国科学院地理科学与资源研究所） |  |
| 5 | Haiying Lu卢海英 | CESI（中国电子技术标准化研究院） | V |
| 6 | Pingyuan Liu刘平原 | China Southern Power Grid Co. Ltd(中国南方电网) |  |
| 7 | Yilong Chen陈义龙 | China Southern Power Grid Co. Ltd(中国南方电网) | V |
| 8 | Wenjun Han 韩文军 | State Grid Corporation of China (SGCC) (国家电网) | V |
| 9 | Jingguo Rong荣经国 | State Grid Corporation of China (SGCC) (国家电网) |  |
| 10 | Su Zhang张苏 | State Grid Corporation of China (SGCC) (国家电网) |  |
| 11 | Xiandong Dong董贤东 | Xiaomi, Inc.（小米） |  |
| 12 | Wei Hong洪伟 | Xiaomi, Inc.（小米） | V |
| 13 | Xianding He何先定 | Chengdu Aeronautic Polytechnic(CAP)（成都航空职业技术学院） | V |
| 14 | Shulin Yu余姝霖 | Chengdu Aeronautic Polytechnic(CAP)（成都航空职业技术学院） |  |
| 15 | SallyYue | Chengdu Aeronautic Polytechnic(CAP)（成都航空职业技术学院） |  |
| 16 | Yu Su苏郁 | China Mobile Chengdu Institute of Research and Development（中国移动（成都）产业研究院） | V |
| 17 | Shengwei Chen陈盛伟 | China Mobile Chengdu Institute of Research and Development（中国移动（成都）产业研究院） |  |
| 18 | Qian Tan谭倩 | China Mobile Chengdu Institute of Research and Development（中国移动（成都）产业研究院） |  |
| 19 | Renwen Li李仁文 | CTRS Loading Technology Co., Ltd. (中交遥感载荷科技有限公司) | V |
| 20 | Fuhu Ren任伏虎 | Collaborative Innovation Center For Geospatial Big Data, Peking University(北京大学时空大数据协同创新中心) | V |
| 21 | Yiyou Chen陈义友 | The Second Research Institute of CAAC（中国民航局第二研究所） | V |
| 22 | XiaoXia Zhou周小霞 | The Second Research Institute of CAAC（中国民航局第二研究所） |  |
| 23 | Bin Ren任斌 | Chengdu JOUAV （成都纵横） | V |
|  | **Participants** | **Affiliations** | **Voting status** |
| 1 | Xiang Tan谭翔 | IGSNRR（中国科学院地理科学与资源研究所） | **V** |
| 2 | Ying Mai买莹 | IGSNRR（中国科学院地理科学与资源研究所） |  |
| 3 | Chenchen Xu徐晨晨 | IGSNRR（中国科学院地理科学与资源研究所） |  |
| 4 | Haiying Lu卢海英 | CESI（中国电子技术标准化研究院） | V |
| 5 | Pingyuan Liu刘平原 | China Southern Power Grid Co. Ltd(中国南方电网) |  |
| 6 | Yilong Chen陈义龙 | China Southern Power Grid Co. Ltd(中国南方电网) | V |
| 7 | Wenjun Han 韩文军 | State Grid Corporation of China (SGCC) (国家电网) | V |
| 8 | Jingguo Rong荣经国 | State Grid Corporation of China (SGCC) (国家电网) |  |
| 9 | Su Zhang张苏 | State Grid Corporation of China (SGCC) (国家电网) |  |
| 10 | Xiandong Dong董贤东 | Xiaomi, Inc.（小米） |  |
| 11 | Wei Hong洪伟 | Xiaomi, Inc.（小米） | V |
| 12 | Xianding He何先定 | Chengdu Aeronautic Polytechnic(CAP)（成都航空职业技术学院） | V |
| 13 | Shulin Yu余姝霖 | Chengdu Aeronautic Polytechnic(CAP)（成都航空职业技术学院） |  |
| 14 | Yu Su苏郁 | China Mobile Chengdu Institute of Research and Development（中国移动（成都）产业研究院） | V |
| 15 | Shengwei Chen陈盛伟 | China Mobile Chengdu Institute of Research and Development（中国移动（成都）产业研究院） |  |
| 16 | Qian Tan谭倩 | China Mobile Chengdu Institute of Research and Development（中国移动（成都）产业研究院） |  |
| 17 | Renwen Li李仁文 | CTRS Loading Technology Co., Ltd. (中交遥感载荷科技有限公司) | V |
| 18 | Fuhu Ren任伏虎 | Collaborative Innovation Center For Geospatial Big Data, Peking University(北京大学时空大数据协同创新中心) | V |
| 19 | Yiyou Chen陈义友 | The Second Research Institute of CAAC（中国民航局第二研究所） | V |
| 20 | XiaoXia Zhou周小霞 | The Second Research Institute of CAAC（中国民航局第二研究所） |  |
| 21 | Bin Ren任斌 | Chengdu JOUAV （成都纵横） | V |

b. Non-Voting Members present:

|  |  |  |
| --- | --- | --- |
| **Participants** | **Affiliations** | **Voting status** |
| Yang Zhang张阳 | China Energy Engineering Corporation Limited(Energy China) 中国能建集团 |  |

c. Observers:

|  |  |  |
| --- | --- | --- |
| **Participants** | **Affiliations** | **Voting status** |
| Xiang Gao高翔 | DJI (大疆) |  |