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

**The 3rd Face-to-Face Meeting**

**Meeting Minutes**

***Nov, 26, 2019***

***14:00PM to 15:30PM GUANGZHOU***

*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 14:00 pm.

* + Goal of the Meeting

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

* + Discussion about the New Draft

1. Approval of the Agenda

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

Motion #1: Move to approve the Agenda, [*IEEE P1936.1 WG Nov-2019-3rd Face to Face Meeting-Agenda-unapproved-1104.docx*](1.IEEE%20P1936.1%20WG%20Nov-2019-3rd%20Face%20to%20Face%20Meeting-Agenda-unapproved-1104.docx)*.*

* + Moved by: *Haiying Lu, CESI*
  + Seconded by: *Yu Su, China Mobile Chengdu Institute of Research and Development*

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 July-31-2019-2nd f2f Meeting Minutes\_unapproved\_20190805-V1.docx*](2.P1936-1%20SDAF%20WG%20July-31-2019-2nd%20f2f%20Meeting%20Minutes_unapproved_20190805-V1.docx)*.*
  + Moved by: *Yu Su, China Mobile Chengdu Institute of Research and Development*
  + Seconded by: *Shuangli Han,* *Tianjin WOMOW S&T CO. ,Ltd.*

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 14:30 pm.

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

1. Discussion/Review P1936.1 standard new draft

* Chair *Xiang Tan* presented the latest version standard draft of [*P1936.1 SDAF Draft\_V1.4\_ En\_Outline\_26 Nov（20191126）.doc*](P1936.1%20SDAF%20Draft_V1.4_%20En_Outline_26%20Nov（20191126）.doc).
  + *Bin Tang* from CAP introduced the standard draft.
  + Comments 1:

*Meng Zhao*:

-The scope of the standard may be smaller than the original one but cannot be larger than the original scope.

-The purpose of the standard could be left out.

-The UAV in the *Scope* should be replaced as *Unmanned aerial vehicle* since it is not defined at the beginning.

-The referenced documents need to be listed in the *Normative references* only if there are citations in the main text. If it is not directly quoted, it should be placed in an annex.

* + Comments 2:

*Haiying* Lu:

- Different applications need different standards, as a technical standard, definitions of different applications according to relevant scenarios should be described in the standard.

- If it is difficult to describe the applications and scenarios in the main text, it would be good to describe different applications regarding different scenarios in an annex.

Comments 3:

*Xiang Tan:*

-Add typical application scenarios in part 6

Comments 4:

*Yiyou Chen*

-The definition of UAV needs further discussion.

-We need further clarification of the listed general facility requirements in part 4 whether they include all the facility requirements or they just typical ones.

-It is recommended to clarify the scope of enterprise in part 5.3, that is, the enterprise here refers to operating enterprise not manufacturing enterprise.

-The scope of *Personnel* in 5.4 should be further defined.

Comments 5

*Shuangli, Han*

-Multiple classifications are recommended since many applications overlaps with each other, so that the framework is more scalable and covers a wider range.

1. Nomination of co-editor

Motion #3: Nominate Bin Tang from CAP, as WG co-editor

* + Moved by: *Xiang Tan, IGSNRR*
  + Seconded by: *Xianding He*, CAP

Motion passed unanimously.

1. Future Meetings
   * Next Meeting IEEE P1936.1 4th face-to-face meeting Late Feb, 2020 Shanghai China
2. Meeting to adjourn

Motion #4: Move to adjourn the meeting

* + Moved by: *Fuhu, Ren, Collaborative Innovation Center For Geospatial Big Data, Peking University*
  + Seconded by: *Haiying Lu, CESI*

Motion passed unanimously.

The WG adjourned at 15:30 am.

* **Attachment**
* List of participants:
* a. IEEE staff present:
* Kamesh Namuduri(dial in), IEEE SA
* Vitoria Wang 王亮迪, IEEE SA
* Meng ZhAO,IEEE SA
* Zhongkai Deng 邓钟凯, IEEE SA
* b. Voting Members present:

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| --- | --- | --- |
| **Participants** | **Affiliations** | **Voting status** |
| Xiaohan Liao 廖小罕 | IGSNRR（中国科学院地理科学与资源研究所） |  |
| Xiang Tan谭翔 | IGSNRR（中国科学院地理科学与资源研究所） | V |
| Ying Mai买莹 | IGSNRR（中国科学院地理科学与资源研究所） |  |
| Chenchen Xu徐晨晨 | IGSNRR（中国科学院地理科学与资源研究所） |  |
| Huping Ye叶虎平 | IGSNRR（中国科学院地理科学与资源研究所） |  |
| Jianli Liu刘见礼 | IGSNRR（中国科学院地理科学与资源研究所） |  |
| Xiaohang Wen 文小航 | IGSNRR（中国科学院地理科学与资源研究所） |  |
| JunMing Tan谭均铭 | IGSNRR（中国科学院地理科学与资源研究所） |  |
| Haiying Lu卢海英 | CESI（中国电子技术标准化研究院） | V |
| Chigang Peng 彭炽刚 | China Southern Power Grid Co. Ltd(中国南方电网) | V |
| Pingyuan Liu刘平原 | China Southern Power Grid Co. Ltd(中国南方电网) |  |
| Yilong Chen陈义龙 | China Southern Power Grid Co. Ltd(中国南方电网) |  |
| Wenjun Han 韩文军 | State Grid Corporation of China (SGCC) (国家电网) | V |
| Jingguo Rong荣经国 | State Grid Corporation of China (SGCC) (国家电网) |  |
| Xiandong Dong董贤东 | Xiaomi, Inc.（小米） |  |
| Wei Hong洪伟 | Xiaomi, Inc.（小米） | V |
| Xianding He何先定 | Chengdu Aeronautic Polytechnic(CAP)（成都航空职业技术学院） | V |
| Bin Tang唐斌 | Chengdu Aeronautic Polytechnic(CAP)（成都航空职业技术学院） |  |
| Shulin Yu余姝霖 | Chengdu Aeronautic Polytechnic(CAP)（成都航空职业技术学院） |  |
| Guangcai Xu徐光彩 | GreenValley Inetrnational 北京数字绿土科技有限公司 | V |
| ChunHai Hao郝春海 | Hebei Tianhai surveying and Mapping（河北天海测绘） | V |
| Yu Su苏郁 | China Mobile Chengdu Institute of Research and Development（中国移动（成都）产业研究院） | V |
| Shengwei Chen陈盛伟 | China Mobile Chengdu Institute of Research and Development（中国移动（成都）产业研究院） |  |
| ZiyangLiu刘子扬 | China Mobile Chengdu Institute of Research and Development（中国移动（成都）产业研究院） |  |
| Jian Zhou周剑 | China Mobile Chengdu Institute of Research and Development（中国移动（成都）产业研究院） |  |
| Renwen Li李仁文 | CTRS Loading Technology Co., Ltd. (中交遥感载荷科技有限公司) | V |
| 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 |
| Weixin Zhai翟卫欣 | Collaborative Innovation Center For Geospatial Big Data, Peking University(北京大学时空大数据协同创新中心) |  |
| Shuangli Han韩双立 | Tianjin WOMOW S&T CO., Ltd.（天津市万贸科技有限公司） | V |
| Meng Cai蔡猛 | DJI（大疆） | V |
| Yong Yang杨勇 | DJI（大疆） |  |
| Liang Chen陈亮 | DJI（大疆） |  |
| Guowu Yuan袁国武 | China TOPRS Technology Co. Ltd.（中测新图） | V |
| Hong Liu刘红 | Chengdu UAV Industry Association 成都市无人机产业协会/ Chengdu JOUAV （成都纵横） | V |
| Xiang Zou邹翔 | The Second Research Institute of CAAC（中国民航局第二研究所） | V |
| Yiyou Chen陈义友 | The Second Research Institute of CAAC（中国民航局第二研究所） |  |
| Hongliang Ding丁红亮 | KEWERTAI（深圳科卫泰） | V |
| Yu Yuan 袁昱(dial in) | Senses Global Corporation | V |

* c. 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 |  |
| Gang Li李刚 | 华为 |  |
| Haibin Wang王海滨 | Skysys Intelligent Technology(Suzhou)Co.,Ltd. 星逻智能科技（苏州）有限公司 |  |
| Zijing Lin林子靖 | Skysys Intelligent Technology(Suzhou)Co.,Ltd. 星逻智能科技（苏州）有限公司 |  |

* d. Observers:

|  |  |  |
| --- | --- | --- |
| **Participants** | **Affiliations** | **Voting status** |
| Yike Wang王一科 | 深圳卫安智能技术有限公司 |  |