**IEEE *P1939.1* Working Group**

**The 2nd Face-to-Face Meeting**

**Meeting Minutes**

***July 31, 2019***

***09:00 AM to 15:00 PM BEIJING***

*Xiaohan Liao*, IGSNRR, Working Group Chair

Recorded by *Ziyang Liu*, Working Group Secretary

1. Call to Order
   * Introduction and Declarations of Affiliations
   * Introduction to member entities

Chair *Xiaohan Liao* called the meeting to order at 09:00 a.m.

* + Goal of this meeting

Chair *Xiaohan Liao* presented the goal of the Meeting:

* + *Discussion about the New Draft*

1. Approval of the Agenda

Chair *Xiaohan Liao* presented the agenda document of P1939.1 agenda.

Motion #1: Move to approve the Agenda, *IEEE\_P679 WG July-31-2019\_2nd f2f MeetingAgenda-unapproved-0713.docx* to *IEEE\_P679 WG July-31-2019\_2nd f2f MeetingAgenda-approved.docx .*

* + Moved by: *Xiang Tan, IGSNRR.*
  + Seconded by: *Ziyang Liu*, *China Mobile Chengdu Institute of Research and Development*

Motion passed unanimously.

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

Chair *Xiaohan Liao* presented the meeting minutes of last meeting of P1939.1.

Motion #2: Move to approve the *P1939-1 LAAUAV WG May-30-2019-FM Minutes\_unapproved\_v1.3\_20190619.docx to P1939-1 LAAUAV WG May-30-2019-FM Minutes\_approved.docx.*

* + Moved by: *Xiang Tan, IGSNRR*
  + Seconded by: *Yu Su, China Mobile Chengdu Institute of Research and Development*

Motion passed unanimously.

1. IEEE Patent Policy

Chair *Xiaohan Liao* 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 09:20 am.

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

1. Discussion about the new draft

*Xiandong Dong* from *Xiaomi* presented the latest version of P1939.1 standard draft: *P1939.1WG Standards\_English\_V2.1\_0730B.doc*

The WG member discussed the standard draft and the Chair *Xiaohan Liao* concluded the discussion with three points:

1. Make clear definition of technical terms(e.g. UAV or Drone)
2. Definition of low-altitudes is required.
3. Make the length of detail contents balanced for different chapter, and determine how specific should the detail contents be by referencing with typical IEEE standards. Co-editor may discuss the standard draft with editor on how to make the standard draft more rational.
4. Future Meetings
   * IEEE P1939.1 3rd face-to-face meeting November, 2019 Chengdu China
   * IEEE P1939.1 4th face-to-face meeting March, 2020 Guangzhou China
5. Meeting to adjourn

Motion #3: Move to adjourn

* + Moved by: *Xiang Tan, IGSNRR*
  + Seconded by: *Ziyang Liu*, *China Mobile Chengdu Institute of Research and Development*

Motion passed unanimously.

The WG adjourned at 11:00 am.

* **Attachment**

List of participants:

a. IEEE staff present:

Kamesh Namuduri(dial in), IEEE-SA

Meng ZhAO,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） |  |
| Ying Mai买莹 | 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 |
| Li Geng 耿力 | CESI（中国电子技术标准化研究院） |  |
| Sixiang Wang王思翔 | CESI（中国电子技术标准化研究院） |  |
| Qianying Liu刘倩影 | CESI（中国电子技术标准化研究院） |  |
| 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) |  |
| Zhihai Xu 许志海 | 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) |  |
| Gao Liu刘高 | 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 |
| Xiandong Dong董贤东 | Xiaomi, Inc.（小米） | V |
| Bin Tang唐斌 | Chengdu Aeronautic Polytechnic(CAP)（成都航空职业技术学院） | V |
| Shulin Yu 余姝霖 | Chengdu Aeronautic Polytechnic(CAP)（成都航空职业技术学院） |  |
| Yu Yuan 袁昱(dial in) | Senses Global Corporation | V |
| 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） |  |
| 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） |  |
| Dong Liu 刘东 | China Mobile (Chengdu) Institute of Research and Development（中国移动（成都）产业研究院） |  |
| Zhiyun Zhai 翟智云 | CTRS ENTERTAINMENT 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 |
| Qingfa Wang 王庆法 | 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 |
| Liangliang Yang杨亮亮 | DJI（大疆） | V |
| Minrui Zhang张敏睿 | DJI（大疆） |  |
| Yanli Xue薛艳丽 | China TOPRS Technology Co. Ltd.（中测新图） | V |
| Yafeng Ren 任亚峰 | China TOPRS Technology Co. Ltd.（中测新图） |  |
| Lu Yang 杨露 | Chengdu UAV Industry Association 成都市无人机产业协会/ Chengdu JOUAV （成都纵横） | V |

c. Non-Voting Members present (Promise to join IEEE entity membership):

|  |  |  |
| --- | --- | --- |
| **Participants** | **Affiliations** | **Voting status** |
| Xinyang Liu刘新阳 | TTA （北方天途航空技术发展（北京）有限公司） |  |
| Xiang Zou邹翔 | The Second Research Institute of CAAC（中国民航局第二研究所） |  |
| Yiyou Chen陈义友 | The Second Research Institute of CAAC（中国民航局第二研究所） |  |
| Yang Zhang张阳 | China Energy Engineering Corporation Limited(Energy China) 中国能建集团 |  |

d. Observers:

|  |  |  |
| --- | --- | --- |
| **Participants** | **Affiliations** | **Voting status** |
| Xiaohang Wen 文小航 | CUIT成都信息工程大学 |  |
| Chenguang Ma马晨光 | Skysys Intelligent Technology(Suzhou)Co.,Ltd. 星逻智能科技（苏州）有限公司 |  |
| Haibin Wang王海滨 | Skysys Intelligent Technology(Suzhou)Co.,Ltd. 星逻智能科技（苏州）有限公司 |  |
| Zhuxuan Ai艾竹轩 | 江苏赛西科技发展有限公司 |  |
| Howard.h.li(dial in) | Department of Electrical and Computer engineering, University of New Brunswick, Canada |  |