IEEE P4006 Working Group
Meeting Minutes
1 FEBRUARY 2022
WG Chair: Roger Oliva
WG Secretary: Paolo de Matthaeis

1. Call to Order:

    a. *The chair called to order at 10:04 AM (EST) and welcomes everybody*

2. Roll Call and Affiliation

    a. *The chair performed a roll call on participants affiliation. All participants provided their affiliation.*

    b. *There was a total of 17 members plus the IEEE SA Program Manager in attendance.*

    Meeting participants:

Roger Oliva (Zenithal Blue technologies / ESA / IEEE)	Paolo de Matthaeis (IEEE GRSS)
Ryo Natsuaki (The University of Tokyo)	Beau Backus (NOAA/NESDIS, JHU APL)
Nairit Barkataki (Gauhati University)	Tobias Bollian (DLR)
Adriano Camps (Universitat Politecnica de Catalunya and IEEC/CTE-UPC)	Raúl Díez-García (ESA)
Dazhen Gu (NIST)	Yan Huang (Southeast University)
Siri Jodha Khalsa (GRSS Standards Committee)	Deepak Kumar (Amity University)
Priscilla Mohammed (Morgan State University, NASA)	Adrián Pérez-Portero (Universitat Politècnica de Catalunya)
Jia Su	Mingliang Tao (Northwestern Polytechnical University)
Vanessa Lalitte (IEEE SA - Staff)	

3. Approval of agenda

    a. *The WG Chair introduced the agenda and called for motion to approve it.*

        i. *made the motion to approve the agenda as presented.*

        ii. *Deepak Kumar seconded the motion.*

        iii. *The motion passed without opposition.*

4. Approval of previous meeting minutes

    a. *The WG secretary presented the minutes of the previous meeting.*

  b. *The WG Chair called for motion to approve the previous meeting minutes as presented.*

    i. *Raúl Díez-García made the motion to approve the agenda.*

    ii. *Beau Backus seconded the motion.*

    iii. *The motion passed without opposition.*

5. IEEE Patent Policy

  a. *WG Chair presented the IEEE slides and made a call for potentially essential patents; no one raised concerns for consideration.*

6. IEEE Copyright Policy

  a. *The copyright policy was presented. There were no questions or concerns.*

7. Technical Discussion

  7.1 Report of the Passive Subgroup

  a. *The WG chair requested the Passive SG chair Raúl Díez-García to report on the SG progress.*

  b. *The Passive SG chair presented five slides summarizing the discussions carried in the Passive SG.*

  c. *The main points considered by the Passive SG were defining interference criteria for passive sensors and identifying how to perform the assessment of the RFI impact.*

  d. *The WG chair opened the floor to discussion on the issues presented by the Passive SG chair.*

  e. *Siri Jodha Khalsa raised the question on whether it would be more appropriate to report RFI from different sensors separately rather than merging all the information and to include interference observed using all available detection methods.*

  f. *The WG chair also noted the importance of resolving the issue of having a definition that is as much sensor-agnostic as possible and asked the WG opinion on this subject.*

  g. *Beau Backus proposed that three aspects be considered, the dynamic nature of RFI, the presence of undetected low-level interference and the evolution and improvement of RFI detection capabilities over time.*

7.2 Report of the Active Subgroup

  h. *The WG chair requested the Active SG chair Tobias Bollian to report on the SG progress.*

  i. *The Active SG chair summarized the results of the discussion in the SG as follows:*

    i. *with respect to the issue of establishing a standard that is instrument-agnostic, two frameworks could be created, one instrument-dependent and one instrument-independent and have interference observed withing the first framework translated into the second;*

    ii. *standardized parameters for the quantification of RFI in measured data were proposed;*

    iii. *measurements of interference by active instruments also depend on the power transmitted by active sensor, a parameter not present in passive sensors.*

  j. *The WG chair closed the discussion on the SG reports.*

    k.   *The WG chair stated that there is no unfinished business.*

    l.   *The WG chair mentioned the upcoming RFI 2022 Workshop and invited everyone to participate.*

    m. *Siri Jodha Khalsa mentioned that a session on standards for remote sensing is being organized at the 2022 International Geoscience and Remote sensing Symposium (IGARSS).*

8. Next meeting--date and location

    a. *The WG chair suggested to hold the next virtual meeting in April 2022 or later depending on the progress of the SG work.*

9. Adjournment

    a. *The WG Chair called for a motion to end the meeting.*

    b. *Beau Backus made a motion to close the meeting.*

    c. *Deepak Kumar seconded the motion.*

    d. *The motion passed without opposition. The WG Chair adjourned the meeting at 11:01 AM (EST).*
    e. *Minutes submitted by: Paolo de Matthaeis*