IEEE P4006 Working Group Meeting #13
Meeting Minutes
03 October 2023
WG Chair: Roger Oliva
WG Secretary: Priscilla Mohammed

1. Call to Order:

   a. *The chair called to order at 9:00 (EDT) and welcomes everybody to the online* meeting.

2. Roll Call and Affiliation

   a. The WG chair performed a roll call. Participants provided their attendance and affiliation via the Webex chat.

   b. There was a total of 15 participants in attendance*.*

   Meeting participants:

Roger Oliva (Zenithal Blue technologies / IEEE)	Priscilla Mohammed (Morgan State University)
Paolo de Matthaeis (NASA Goddard / IEEE)	Kaushal Buch (Giant Metrewave Radio Telescope, NCRA-TIFR)
Ryo Natsuaki (The University of Tokyo)	Mingliang Tao (Northwestern Polytechnical University)
Raúl Díez-García (Telespazio UK/ESA)	Deepak Kumar (Amity University Uttar Pradesh)
Dazhen Gu (NIST)	Adriano Camps Universitat Politecnica de Catalunya
B. Dewayne Branch (QSBG)	Beau Backus JHU APL supporting NOAA
Nairit BARKATAKI (Gauhati University)	Yan Huang (Southeast University)
Adrian Perez-Portero (Universitat Politecnica de Catalunya)	

   c. *Quorum was established.*

3. Approval of agenda

   a. *The agenda was reviewed and approved.*

4. Approval of previous meeting minutes

   a. *The minutes of the past 3 meetings were approved.*

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.*

   b. *WG Chair presented the copyright policy as well. There was no question or comment.*

6. Priscilla Mohammed introduced as new WG secretary taking over for Paolo de Matthaeis who is now the new chair for the FARS technical committee.

7. Technical Discussion

    a. *Section 5.1 of the standards document was reviewed and approved.*

    b. *Section 5.2 of the standards document was reviewed. It was suggested that Figure 1 should be edited to improve clarity either by simplifying the text or increasing the font size of the text in the figure.*

    c. *Section 5.2.2 of the document was discussed.*

        i. *It was suggested that more information should be added to the text regarding probability of false alarm (PFA) and a paragraph should be added mentioning the use of AI techniques for RFI detection, possibly used in conjunction with existing RFI detection algorithms.*

        ii. *It was suggested that probability of detection (PD) can also be added to this section as another metric in the standard. The mathematical formulae for PFA and PD can also be added.*

    d. *Changes to the first paragraph of section 5.2.2 was approved.*
        At the next meeting we will continue the discussion starting with section 5.2.3 and get back to previous sections.

8. Unfinished Business

    a. *None*

9. New Business

    a. *None*

10. Next meeting--date and location

    a. *The WG Chair proposed to hold the next WG meeting on November 7, 2023 at 9 to 10:30 EDT). It will focus on sections.2.3 for both passive and active.*

11. Adjournment

    a. *The WG Chair adjourned the meeting at 10:30 (EST).*
    b. *Minutes submitted by: Priscilla Mohammed, WG secretaire.*