

IEEE Waveform Generation Measurement and Analysis Technical Committee (TC10)  
Approved Meeting Minutes  
17 October 2023 / 11:00 AM –13:00 PM (UTC-4)

1. Call to Order
2. Introductions and Roll Call
  - a. Nick Paulter, TC10 chair, presided and took minutes
3. Approval of the Agenda
  - a. Motion for agenda of 17 October 2023 meeting approval was provided by John J. and seconded by Sergio. No dissent to this motion.
  - b. The approved agenda is available on iMeetCentral (<https://ieee-sa.imeetcentral.com/tc10-general/folder/WzIwLDE0NDI3NzE4XQ>).
4. Approval of minutes from 18 July 2023 meeting
  - a. Motion for minutes approval was provided by John J. and seconded by Bill. No dissent to this motion.
  - b. The approved minutes are available on iMeetCentral (<https://ieee-sa.imeetcentral.com/tc10-general/folder/WzIwLDEzMjA3MTQwXQ>).
5. TC10 administrative
  - a. Next meeting will be 16 January 2024 starting at 1100 UTC-5 (1600 UTC+0).
  - b. Chair positions
    - i. Nick is seeking a chair for the Std 1241 Working Group
6. Discussion topics
  - a. IEEE TC10 history – Bill Boyer
    - i. Bill has completed a draft of the history of the IEEE TC10. He has provided, in July 2023, a copy for review to interested members. He has received inputs from some members.
    - ii. The document, so far, contains the early history of the TC10, from its inception to about 2000 (the publication date of the 2<sup>nd</sup> to last version of the Std 1057). It includes the history of all TC10 standards.
    - iii. Bill may include IEC-related content, per Allan’s suggestion and suitability for this history document.
    - iv. The document will be uploaded to TC10 iMeetCentral for general review when appropriate.
  - b. Open access to Transactions on Instrumentation and Measurement (TIM) publications
    - i. Allan has experienced issues and is concerned with ability for colleagues to submit manuscripts. Will work with Patrycja to resolve.
  - c. True8Digit
    - i. European-led effort to develop state-of-the-art digitizers (<https://true8digit.eu/>)
    - ii. Contact Allan Belcher if interested.
      1. Allan is seeking stakeholder interest – purpose is to demonstrate support of the True8Digit project and creates no obligation to the stakeholder

- d. TC10 technical presentations
  - i. Fritz agreed to provide a technical presentation at next (16 Jan 2024) meeting.
  - ii. Technical presentations do not necessarily have to be related to TC10 topics but may be of general scientific interest to the TC10 members.
- 7. Working Groups Updates
  - a. Revision of IEE Std 181, IEEE Standard for Transitions, Pulses, and Related Waveforms
    - i. Lead: Nick Paulter
    - ii. Patrycja will help with the announcement/invitation for participate in the 181 revision and scheduling of the kick-off meeting.
  - b. Revision of IEEE Std 1241, IEEE Standard for Terminology and Test Methods for Analog-to-Digital Converters
    - i. Lead: Nick Paulter
    - ii. Status:
      - 1. Published. IEEE SA provided a link to download a complimentary copy for working group members.
    - iii. Nick seeking replacement chair.
  - c. Revision of IEEE Std 1658, IEEE Standard for Terminology and Test Methods of Digital-to-Analog Converter Devices
    - i. Lead: Luca DeVito
    - ii. Status:
      - 1. Published. IEEE SA provided a link to download a complimentary copy for working group members.
  - d. Revision of IEEE Std 1696, IEEE Standard for Terminology and Test Methods for Circuit Probes
    - i. Lead: John Jendzurski
    - ii. Status:
      - 1. The first five clauses have been reviewed. There are two more clauses to review.
- 8. Adjourn
  - a. **Motion to adjourn was made. No dissent for this motion was given.** – not done, but no dissent to end the meeting.
  - b. Meeting adjourned around 1240 (UTC-4).
- 9. Tasks
  - a. Outstanding tasks (not completed from previous lists)
    - i. WG chairs - review web pages (<https://sagroups.ieee.org/im-wma-tc10/>) for content
  - b. New
    - i. Nick Paulter - upload agenda and draft minutes of 17 Oct 2023 meeting
    - ii. Nick Paulter – upload approved minutes of 18 Jul 2023 meeting
    - iii. Identify volunteer to provide presentation at upcoming (16 Jan 2024) meeting – Fritz has volunteered
    - iv. Nick Paulter – identify chair candidates for the 1241 Working Group.

Attendee list with affiliation:

<b>Attendee name</b>	<b>Affiliation</b>
Allan Belcher	Signal Conversion, Ltd, UK
Bill Boyer	Sandia Natl. Lab., retired, USA
John Calvin	Keysight, USA
Fritz Caspers	CERN, Switzerland
Razvan Ciocan	The Charles Stark Draper Laboratory, Inc., USA
Paolo Crovetto	Polytechnic of Turin, Italy
Patrycja Jarosz	IEEE, USA
John Jendzurski	National Institute of Standards and Technology, USA
Gregory Kyriazis	National Institute of Metrology, Standardization and Industrial Quality (Inmetro), Brazil
Gearoid Oheidhin	GE Renewables, UK
Nicholas Paulter	National Institute of Standards and Technology, USA
Sergio Rapuano	University of Sannio, Italy
Ioan Tudosa	University of Sannio, Italy