

Minutes (Approved February 12, 2025 by email vote)  
Microprocessor Standards Committee  
Tuesday, 14 January 2025, 11:00AM to 12:00PM EDT

1. Introduction and Roll Call: Baker, Nathalie, Joe Gwinn, Leonard Tsai, Andrew Josey, Don Cragun, David Hough. Quorum reached (7/11 active members) (11:05 EDT)
2. Approval of previous meeting's minutes (supplied by Richard Bugg): not yet confirmed, item skipped. Approval of the minutes by e-mail after the meeting.
3. Approval of agenda: adding a call for secretary in "new business". Moved by Leonard, seconded by Joe. Adopted by consensus.
4. Secretary for this meeting: Nathalie Revol; subsequent rotating secretary schedule: no comments
  - 04/08/2025 – Blaise Vignon
  - 07/08/2025 – Leonard Tsai
  - 10/14/2025 – Richard Bugg
  - 01/13/2026 – Andrew Josey
  - 04/14/2026 – Kiran Gunnam
  - 07/14/2026 – David Hough
  - 10/13/2026 – Nathalie Revol

5. Interim news:

This item is meant to include things that happened between the meetings, if any.

6. Working group Reports

a. P754 Study Group - Standard for Floating Point Arithmetic – Leonard Tsai

Due to the amount of work, the group is very busy but it should be on schedule; there are many "tricky" points to be discussed and will occupy 2025. Leonard expected them to be sorted out before Q4 of 2025, he plans to spend two quarters devoted to decimal floating-point, with IBM claiming patent rights in this regard. Baker commends Leonard about his stewardship of the group. David:

IBM did not want to impose any claim on the decimal floating-point arithmetic or rather its implementation, for previous revisions of the standard and they sent a LoA, but apparently things have changed.

- b. P3109 (Arithmetic for AI) – Kiran Gunnam. As Kiran is not present, Leonard Tsai reports: the group has regular meetings, moves forward. No meeting in 2025 yet, however the project is on track. The question is whether the group will need a PAR extension or not. There is also a question about the link between 754 and 3109: 3109 follows the 754 spirit (with a secretary who is vice-chair of the other group, which ensures a good coordination between both) but avoids standardizing the same subject (16-bit floating-point arithmetic)
- c. P1003.1 (POSIX) – Andrew Josey. Last meeting, the PAR has been approved for submission to IEEE for the technical corrigendum, it will be considered the 25<sup>th</sup> of January for NesCom meeting, it is close to publication. There are almost weekly meetings except during the Christmas break. The bulk of the work is the maintenance of the standard, and looking at defect report issues that got filed and resolving them, in brief: technical corrigendums, going through the standard for renewal. Don asks about ISO publication: it is an ongoing process, but there are substantial changes required to comply with the ISO editorial process, so it takes time.
- d. P3120 (Quantum Computing Architecture) – Blaise Vignon. As Blaise is not present, Baker reports: the SAB (Standard Activities Board) tries to simplify the portfolio of quantum computing parts in IEEE, and this group may be amalgamated with some other group, it might merge with another group and disappear. Joe suggests to withdraw the PAR because there is no activity, no motion voted. Baker got news from Blaise in 2024, but not about any activity of the group.

- e. P1722 Layer 2 transport protocol for time sensitive streams – Dave Olsen. Dave is not present, neither Richard. No report. The group is still active, with meetings taking place.
- f. P1722.1 Device Discovery, Enumeration ... - Richard Bugg. Dave is not present, neither Richard. No report. The groups are still active: 1722.1 has a revision/corrigendum that has been voted upon, it is close to publication.
- g. Kiran arrives: Leonard gave a report for P3109, Kiran does not have anything to add. The group is progressing well on the draft, which should be finalized within a few months for Sponsor Ballot. The link to the git to the draft: <https://github.com/P3109/Public>
- h. P1788 - Interval Arithmetic - Nathalie Revol. No PAR submitted yet, the committee needs to be reconstituted. No activity on 2024, nothing to report. A PAR will be submitted, the main problem is the timetable, the standard may become inactive until its revision / renewal of the PAR.
- i. P1394 revision Standard for High Performance Serial Bus - Ashley Butterworth. There have been trouble reconstituting the committee, the question is whether this standard should remain active or having it be archived is sufficient (from Baker's memories). This group should probably become inactive.

7. New Business: concerning the rotating secretary. Baker has to take over some duties of the secretary: to prepare the agenda and to call and launch the meetings. The rotating secretary usually takes notes during the meeting and prepares the minutes. There are two difficulties: one is to find a secretary when people are missing, and the second is whether it complies with IEEE's rules. Also a permanent secretary is better aware of their duties and of the procedures than a rotating one. Discussion: what about a pair of secretaries to share the load?

Motion to search for a permanent secretary (moved by Leonard, seconded by Joe): passed by consensus. In the meantime, we will continue with a rotating secretary.

No other new business.

8. Future meeting schedule

(Normally at 11:00 New York time, second Tuesday of the quarter)

Tuesday, April 8, 2025, 11:00AM New York time (EDT, UTC -4) via WebEx – beware of the Saving daylight scheme.

9. Don suggests to approve today's minutes by email, before next meeting, and approve previous minutes as well.

10. Adjourn. Motion moved by ?. No objection.

Action Item for	To do
Baker	Contact Blaise Vignon to check whether P3120 wants to withdraw its PAR.
Baker	Check his notes about the recent activity of P1722 and P1722.1.
Baker	Check the PAR for P1394 to determine what was the goal and whether it is still valid today.
Baker and Leonard	Put a request for a permanent secretary.
Baker	Contact Richard to get the minutes of October 2024 MSC telecon and send them by email for approval.