

# IEEE 1904 Access Networks Working Group

Sponsored by the IEEE Communications Society

**18 April 2023**  
**Teleconference**

## Minutes

**Chair: Glen Kramer**  
**Vice-Chair: Vacancy**  
**Executive Secretary: Zhou Zhen**  
**Chief Editor: Marek Hajduczenia**  
**Meeting Recorder: Zhou Zhen**

### Day 1, Tuesday, 18 April 2023

#### 1. Call to Order

- The meeting was called to order at 16:00 US Pacific time(UTC-07:00).
- Chair Kramer recorded all the attendance of the meeting.
- **5** voting members attended meeting. Quorum **was reached**.

#### 2. Executive Secretary Report

- Zhou Zhen, Executive Secretary, presented [anwg\\_2304\\_exec\\_report.pdf](#).
- A report on working group membership was provided.

#### 3. Approval of Agenda

- Chair Kramer presented the agenda, [anwg\\_2304\\_agenda.pdf](#).

##### **Motion#1:**

*Approve the agenda for the April 2023 meeting presented in [anwg\\_2304\\_agenda.pdf](#).*

*Moved: Marek Hajduczenia*

*Seconded: Curtis Knittle*

*(Procedural, required>50%)*

*Motion passed by voice vote without opposition*

#### 4. Chair's Opening Report

- Chair Kramer presented ANWG opening report [anwg\\_2304\\_opening.pdf](#).
- Chair Kramer introduced General Information, Projects Status and Plan for this meeting.

#### 5. IEEE Patent Policy

- Chair Kramer displayed the patent slides. A call for potentially essential patents was made at **16:10 US Pacific time**. No potentially essential patent claims were declared, and no holders of potentially essential patents were identified.

#### 6. Approval of Past Meeting Minutes

- Chair Kramer had posted February 2023 meeting minutes, [anwg\\_2302\\_minutes\\_unapproved.pdf](#).

##### **Motion#2:**

*Approve minutes of the February 2023 meeting as recorded in*

*[anwg\\_2302\\_minutes\\_unapproved.pdf](#). Post the approved minutes on the WG website as*

*[anwg\\_2302\\_minutes\\_approved.pdf](#).*

*Moved: Marek Hajduczenia*

*Seconded: Mark Laubach*

*(Procedural, required>50%)*

*Motion passed by voice vote without opposition*

#### **7. Treasurer's Report**

- Treasure's report for this meeting can be seen or downloaded through following link:  
[https://www.ieee1904.org/meeting\\_archive/2023/04/anwg\\_2304\\_treasurer\\_report.pdf](https://www.ieee1904.org/meeting_archive/2023/04/anwg_2304_treasurer_report.pdf).

#### **8. P1904.4 Opening Report**

- Curtis Knittle, P1904.4 Chair, presented the Task Force Opening Report, [tf4\\_2304\\_opening.pdf](#).
- 1904.4 Action Items were the same as February meeting.

#### **9. Overview of EAPOL message exchange and formats**

- Steve Goeringer, CableLabs, presented Overview of EAPOL message exchange and formats, [tf4\\_2304\\_goeringer\\_1\\_EAPOLMessages.pdf](#).

#### **10. Encryption method for 25G and 50G-EPON**

- Glen Kramer, Broadcom, presented Encryption method for 25G and 50G-EPON ,  
[tf4\\_2304\\_kramer\\_2c\\_encryption\\_method.pdf](#).
- **Straw Poll#1:**  
*I prefer the following encryption method for IEEE 1904.4 (vote for one only):*
  1. 802.1AE SecTag overhead 0
  2. Zero-overhead encryption 6
- **Motion#3:**  
*IEEE 1904.4 should specify zero-overhead encryption method based on AES Counter mode.*  
*Moved: Glen Kramer*  
*Seconded: Mark Laubach*  
*(Technical, required>=2/3)*  
*Motion passed by voice vote without opposition*

#### **11. Key Sizes for for 25G and 50G-EPON**

- Glen Kramer, Broadcom, presented Key Sizes for for 25G and 50G-EPON,  
[tf4\\_2304\\_kramer\\_3d\\_key\\_size.pdf](#).
- **Straw Poll#2:**  
*I prefer the following encryption key sizes for IEEE 1904.4 (vote for one only):*
  1. Only 128-bit key shall be specified 0
  2. Only 256-bit key shall be specified 0
  3. 128-bit and 256-bit keys are mandatory to support;  
operator selects the key size to use 5
- **Motion#4:**  
*IEEE P1904.4 shall support both AES-128 and AES-256.*  
*Moved: Glen Kramer*  
*Seconded: Marek Hajduczenia*  
*(Technical, required>=2/3)*  
*Motion passed by voice vote without opposition*

## **12. P1904.4 Closing Report**

- Curtis Knittle, P1904.4 Chair, gave the Task Force Closing Report without file.

## **13. WG Closing Report**

- Chair Kramer presented WG closing report, [anwg\\_2304\\_closing.pdf](#).
- WG planned to have next meeting on **June 13-14**, 2023 by teleconference.

## **14. Unfinished Business**

- No unfinished business was brought before the WG.

## **15. New Business**

- No new business was brought before the WG.

The WG meeting adjourned at 17:35 US Pacific time.

## Attendance Record

First Name	Last Name	Affiliation	Attendance
			April 18
Curtis	Knittle	CableLabs	X
Glen	Kramer	Broadcom	X
Marek	Hajduczenia	Charter Communications	X
Mark	Laubach	Ciena	X
Steve	Goeringer	CableLabs	X
Zhou	Zhen	Fiberhome Technologies	X