

IEEE 1904 Access Networks Working Group

Sponsored by the IEEE Communications Society

2-3 June 2015

Beijing, China

Minutes

Chair: Glen Kramer

Vice-Chair: Ken-Ichi Suzuki

Executive Secretary: Zhou Zhen

Chief Editor: Marek Hajduczenia

Meeting Recorder: Zhou Zhen

Day 1, Tuesday, 2 June 2015

1. Call to Order

- The meeting was called to order at 9:00 am.
- All present introduced themselves and declared their affiliation.
- A sign in sheet captured attendance each day.
- Quorum was reached.

2. Executive Secretary Report

- Zhou Zhen, Executive Secretary, presented [anwg_1506_exec_report.pdf](#).
- A report on working group member was provided.

3. Chair's Opening Remarks

- Chair Kramer presented ANWG opening remarks [anwg_1506_opening.pdf](#).
- Chair Kramer presented WG updates since April meeting.
- Chair Kramer presented the plan for this meeting.

4. Approval of Agenda

- Chair Kramer presented the agenda, [anwg_1506_agenda.pdf](#).

- **Motion#1:**

Approve the agenda for the June 2015 meeting as presented in [anwg_1506_agenda.pdf](#).

Moved: Raz Gabe, PMC Sierra

Seconded: Kevin Bross, Intel

(Procedural, required >50%)

Motion passed by voice vote without opposition

5. Approval of Past Meeting Minutes

- Chair Kramer presented [anwg_1504_minutes_unapproved.pdf](#).

- **Motion#2:**

Approve minutes of the April 2015 meeting as recorded in [anwg_1504_minutes_unapproved.pdf](#).

Post the approved minutes on the WG website as [anwg_1504_minutes_approved.pdf](#).

Moved: Liquan Yuan, ZTE

Seconded: Jouni Korhonen, Broadcom Corp.

(Procedural, required >50%)

Motion passed by voice vote without opposition

6. IEEE Patent Policy

- Chair Kramer displayed the patent slides. A call for potentially essential patents was made at 9:37 am. No potentially essential patent claims were declared, and no holders of potentially essential patents were identified.

7. Treasurer's Report

- Zhou Zhen, Treasurer, presented [anwg_1506_treasurer_report.pdf](#).
- Balance of WG account and details were shown.

8. Explain 1904 WG Website

- Chair Kramer displayed 1904 WG website and explained how to submit presentations.

9. Review of the received liaison statements

- Jouni Korhonen, Task Force 3 Chair, presented the liaison from IEEE 1588, [anwg_1506_ils_1588.pdf](#).

10. P1904.3 (Task Force 3) Opening Report

- Jouni Korhonen, Task Force 3 Chair, presented the Task Force Opening Report, [tf3_1506_opening.pdf](#).

11. RoE generic header and the control plane v2

- Jouni Korhonen, Broadcom Corporation, presented RoE generic header and the control plane v2, [tf3_1506_korhonen_8.pdf](#).

- **Motion#3:**

Approve the RoE header format presented in [tf3_1506_korhonen_8a.pdf](#) page 3 and 4 as a baseline. Extended header, if present, shall always be 32 bits.

Moved: Jouni Korhonen, Broadcom Corp.

Seconded: Raz Gabe, PMC Sierra

(Technical, Required $\geq 2/3$)

8 yes, 0 no, 1 abstained (9 voting members present)

- **Motion#4:**

Approve the RoE header format presented in [tf3_1506_korhonen_8a.pdf](#) page 3 and 4 as a baseline for both data and control packets. Extended header, if present, shall always be 32 bits. (This motion supersedes the motion #3)

Moved: Jouni Korhonen, Broadcom Corp.

Seconded: Kevin Bross, Intel

(Technical, Required $\geq 2/3$)

9 yes, 0 no, 1 abstained (10 voting members present)

12. RoE structure agnostic mode

- Jouni Korhonen, Broadcom Corporation, presented RoE structure agnostic mode, [tf3_1506_korhonen_6.pdf](#).

The WG recessed at 3:20pm.

Day 2, Wednesday, 3 June 2015

The WG reconvened at 9:08am.

13. RoE CPRI mapper strawman proposals v2

- Jouni Korhonen, Broadcom Corporation, presented RoE CPRI mapper strawman proposals v2, [tf3_1506_korhonen_9.pdf](#).

- **Motion#5:**

TF shall restrict its work on two CPRI mappers (“dummy” and “better”) as proposed in [tf3_1506_korhonen_9a.pdf](#) page 2.

Moved: Jouni Korhonen, Broadcom Corp.

Seconded: Richard Maiden, Altera

(Technical, Required $\geq 2/3$)

8 yes, 0 no, 1 abstained (9 voting members present)

- **Motion#6:**

Approve the “dummy” CPRI mapper as proposed in [tf3_1506_korhonen_9a.pdf](#) page 4-6 as a baseline for work.

Moved: Jouni Korhonen, Broadcom Corp.

Seconded: Raz Gabe, PMC Sierra

(Technical, Required $\geq 2/3$)

9 yes, 0 no, 1 abstained (10 voting members present)

- **Motion#7:**

Approve the “better” CPRI mapper as proposed in [tf3_1506_korhonen_9a.pdf](#) page 9-12 as a baseline for work.

Moved: Jouni Korhonen, Broadcom Corp.

Seconded: Raz Gabe, PMC Sierra

(Technical, Required $\geq 2/3$)

9 yes, 0 no, 1 abstained (10 voting members present)

14. RoE Control Channel

- Jouni Korhonen, Broadcom Corporation, presented RoE Control Channel, [tf3_1506_korhonen_3.pdf](#).

- **Motion#8:**

- *The channel/link setup algorithm should include “slave” discovery/insertion and RoE parameter negotiation (not exclusively). Examples of these features are discussed in document [tf3_1506_korhonen_3a.pdf](#).*

Moved: Jouni Korhonen, Broadcom Corp.

Seconded: Raz Gabe, PMC Sierra

(Technical, Required $\geq 2/3$)

9 yes, 0 no, 1 abstained (10 voting members present)

15. RoE timestamp

- Jouni Korhonen, Broadcom Corporation, presented RoE timestamp, [tf3_1506_korhonen_5.pdf](#).

16. RoE timestamp reference planes

- Jouni Korhonen, Broadcom Corporation, presented RoE timestamp reference planes, [tf3_1506_korhonen_7.pdf](#).
- **Motion#9:**
Approve the proposed timestamp reference planes present in [tf3_1506_korhonen_7a.pdf](#) page 2 as a baseline.
Moved: Jouni Korhonen, Broadcom Corp.
Seconded: Kevin Bross, Intel
(Technical, Required $\geq 2/3$)
9 yes, 0 no, 1 abstained (10 voting members present)

17. RoE multiplexing and usage examples

- Jouni Korhonen, Broadcom Corporation, presented RoE multiplexing and usage examples, [tf3_1506_korhonen_2.pdf](#).

18. RoE Roundtrip Time Measurement Consideration

- Jouni Korhonen, Broadcom Corporation, presented RoE Roundtrip Time Measurement Considerations, [tf3_1506_korhonen_10.pdf](#).

19. Task Force 3 Closing Report

- Jouni Korhonen, Task Force 3 Chair, presented Task Force 3 Closing Report, [tf3_1506_closing.pdf](#).

20. Outbound Liaison statements/responses

- Jouni Korhonen, Task Force 3 Chair, presented Outbound Liaison, [anwg_1506_korhonen_11.pdf](#).
- **Motion#10:**
Accept the liaison response to the IEEE 1588 as present in [anwg_1506_korhonen_11.pdf](#). (The WG Chair has the editorial license to modify as needed.)
Moved: Raz Gabe, PMC Sierra
Seconded: Gareth Edwards, Xilinx
(Technical, Required $\geq 2/3$)
8 yes, 0 no, 1 abstained (9 voting members present)

21. WG Closing Report

- Chair Kramer presented the WG Closing Report, [anwg_1506_closing.pdf](#).
- WG plans to have the next meeting by teleconference.

22. Unfinished Business

- No unfinished business was brought before the WG.

23. New Business

- No new business was brought before the WG.

- **Motion#11:**
Move to adjourn the meeting.
Moved: Raz Gabe, PMC Sierra
Seconded: Kevin Bross, Intel Corp.
(Procedural, required >50%)
Motion passed by voice vote without opposition.

The WG adjourned at 4:52pm.

Attendance Record

Last Name	First Name	Affiliation	Attendance	
			Tuesday June 2, 2015	Wednesday June 3, 2015
Bajwa	Yasser	Hon Hai Technology Group	X	X
Bross	Kevin	Intel Corp.	X	X
Chen	Binrong	Hon Hai Technology Group	X	X
Cho	Peter K.	Actus Networks Inc.	X	X
Edwards	Gareth	Xilinx	X	X
Elbakoury	Hesham	Huawei	X	X
Gabe	Raz	PMC Sierra	X	X
He	Zongying	Broadcom Corp.	X	X
Huang	Jinri	CMRI	X	X
Korhonen	Jouni	Broadcom Corp.	X	X
Kramer	Glen	Broadcom Corp.	X	X
Krasniqi	Xhafer	NEC	X	X
Li	Bomin	Comcores	X	X
Li	Ke	Broadcom Corp.	X	X
Lu	Yang	RITT	X	X
Ma	Shijia	CMRI	X	X
Maiden	Richard	Altera	X	X
Moriyama	Tetsuya	OKI Electric	X	X
Ruan	Matt	Xilinx	X	X
Sun	Weijun	Huawei	X	X
Subramaniam	Ravi	IEEE	X	/
Suzuki	Ken-Ichi	NTT Corporation	X	X
Tam	Shau-ChiaTong	Fujitsu Network Communication	X	X
Teborek	James	Broadcom Corp.	X	/
Tumber	Perminder	Xilinx	X	X
Xu	Lei	Altera	X	X
Yeung	Wilson	Rakon	/	X
Yuan	Liquan	ZTE Corporation	X	X
Zhang	Sunny	Intel Corp.	/	X
Zhou	Chunhui	Actus Networks Inc.	X	/
Zhou	Feng	Intel Corp.	X	X
Zhou	Zhen	Fiberhome Technologies	X	X

* The meeting attendance threshold was not met. The meeting attendance is only credited for those who attended at least 50% of meeting duration.