

Unconfirmed Minutes - Multiple MCS IEEE 802.3bn EPoC Ad Hoc – 021413

Attendance

Attendee	Present
Alan Brown – Aurora	
Andrea Garavaglia – Qualcomm	
Avi Kliger – Broadcom	x
Bill Keasler – Ikanos	x
Bill Powell – ALU	x
Charaf Hanna – ST Micro	x
Christian Pietsch – Qualcomm	x
Curtis Knittle – CableLabs	x
Dave Barr – Entropic	
Dave Urban – Comcast	
David Law – HP	
Duane Remein – Huawei	x
Dylan Ko – Qualcomm	x
Ed Boyd – Broadcom	x
Ed Mallette – Brighthouse	
Eugene Dai – Cox	
George Hart – Rogers	
Guansheng Lu – Huawei	
Hesham ElBakoury – Huawei	
Jim Farmer – Aurora	
Joe Solomon – Comcast	x
John Dickinson – Brighthouse	x
John Ulm – Motorola	
Jorge Salinger – Comcast	x
Juergen Seidenberg – BK Tel	
Juan Montojo – Qualcomm	x
Leo Montreuil – Broadcom	x
Liuming Lu – B-Star	
Lup Ng – Cortina	
Marc Werner - Qualcomm	x
Marek Hajduczenia – ZTE	x
Mark Laubach – Broadcom	
Matt Schmitt – CableLabs	
Michael Peters – Sumitomo	x
Michel Allard – Cogeco	x
Mike Darling – Shaw	
Mike Emmendorfer – Arris	
Nicola Varanese – Qualcomm	x
Ony Anglade – Cox	

Patrick Stupar – Qualcomm	
Peter Wolff – Titan Photonics	
Raanan Ivry – Wide Pass	
Ramdane Krikeb – Videotron	
Ron Wolfe – Aurora	x
Saif Rahman – Comcast	x
Sanjay Kasturia – Qualcomm	
Satish Mudugere – Intel	
Steve Shellhammer – Qualcomm	x
Thushara Hewavithana – Intel	
Tim Brophy – Cisco	
Tom Staniec – Cohere	
Tom Williams –Cablelabs	
Venkat Arunarthi – Cortina	
Victor Hou – Broadcom	
Volker Leisse - CEL	x
Yitshak Ohana - Broadcom	

Patents Policy

- Everyone familiar with the policy; no response to call for patents

Straw Polls

Only participants not on the call on Tuesday.

Bold attendees were not on Tuesday's call and participated in the poll. Volker Leisse abstained on all votes.

#1 Should MMP be required for TDD?

Answer	Tuesday	Thursday	Total
Yes	11	10	21
No	2	0	2
Undecided	1	5	6

Additional information needed:

- Still analyzing the method used and complexity introduced. Would like input from Chinese TDD experts.
- Not yet seen an adequate traffic simulation that shows multiple profiles/channel are effective and shows how it would be accomplished.

#2 Should MMP be specified for DS in FDD?

Answer	Tuesday	Thursday	Total
Yes	6	3	9
No	4	5	9
Undecided	3	7	10

#3 Should MMP be required for DS in FDD?

Answer	Tuesday	Thursday	Total
Yes	3	0	3
No	6	12	18
Undecided	4	3	7

#4 Should MMP be optional for DS in FDD?

Answer	Tuesday	Thursday	Total
Yes	3	4	7
No	7	10	17
Undecided	3	1	4

#5 Should MMP be specified for US in FDD?

Answer	Tuesday	Thursday	Total
Yes	6	9	15
No	3	0	3
Undecided	4	5	9

#6 Should MMP be required for US in FDD?

Answer	Tuesday	Thursday	Total
Yes	4	5	9
No	5	4	9
Undecided	4	6	10

#7 Should MMP be optional for US in FDD?

Answer	Tuesday	Thursday	Total
Yes	4	4	8
No	7	7	14
Undecided	2	4	6

Upstream Burst Markers - Ed Boyd

Began reviewing this presentation on the call; Ed to share on the reflector. Will continue with this next week.

What is acceptable jitter?

- 12 TQ is specified, although designs will be closer to 2-4 TQ
- Total RTT jitter?
 - Yes; DS Jitter is 8 and the RT is 12.
 - When it comes out of the PHY
 - This is actually “drift” allowed in either direction, not jitter. Used for the guard thresholds. Drift from the ideal clock

Since MMP is easier to implement on burst interfaces, that is what this presentation focuses on.

Juan to present the benefits of using MMP in the US; complements Ed’s presentation

Both presentations will be provided with the meeting minutes.