

IEEE 802.17

Interim Meeting Orlando, FL January, 21-24, 2002

Secretary: Mannix O'Connor

Monday 01-21-02

9:00 Mike Takefman - Meeting Opens and Administration

Introduction to 802.17 Operations, Procedures and Principles

- Members Web site information
- Short History of 802.17
- Description of Membership in the Working Group
- Next Meeting to be held in St Louis, MO
- March election of Officers
- Introductions
- Planning for next meetings – St. Louis, Ottawa, Vancouver

9:40 Bob Love – Proposal for Moving Forward on Draft Development and Follow-on Activities

Suggestions on working group procedures for reaching consensus on the initial draft.

10:40 Tom Alexander – Review of Sections required for the Draft and overview of Draft Structure

Review of the Draft Clauses and the presentations at this meeting that match those Clauses.

10:56 Break

11:15 Mike Takefman – Administrative Issues

Agenda Scrub

11:25 John Hawkins, Martin Green – Darwin Overview (jh_dwovr_02.pdf)

Brief description of the Darwin proposal, its' contents and objectives.

11:45 David Meyer – Darwin MAC Architecture (dm_dwmac_04.pdf)

Presentation of the Darwin MAC Architecture

12:00 – Lunch

1:10 – Steve Wood – Darwin Frame Format (sw_dwfrm_03.pdf)

Description of the Darwin Frame Format and some of the motivations behind the fields.

1:40 – Harry Peng, Necdet Uzun – Bandwidth Fairness (hp_dwfair_02.pdf)

Description of the requirements of the bandwidth management algorithm and the fairness message.

2:55 Break

3:25 Italo Busi – Description of MAC Behavior Model for Draft Creation (ib_fairdraft_02.pdf)

A suggestion of a starting point to define the RPR MAC behavior verses implementation descriptions.

3:55 David James – Frame Formats and Control Fields (dvj_ttl_05.pdf)

A description of the Frame Format and Control Field formats suggested for the RPR standard.

4:25 John Schuinga - Fairness Benchmarking of MACs (vas_benmac_04.pdf)

Presentation on finding an algorithm to determine maximum thrupt.

4:40 Announcements

Wednesday we will have a social event sponsored by Chip Engines

On the web there is new zip file with today's update only.

Tuesday January 22, 2002

9:00 – Rhett Brikokskis – Physical Layer Presentation (rb_phy_02.pdf)

Description of additional details on PHY layer standard proposal from Gandalf, Aladdin and Darwin

9:35 – Harry Peng – Physical Layer Presentation (hp_phy_02.pdf)

Additional description of Physical Layer characteristics and issues associated with reuse of standard PHYs.

9:55 – Italo Busi – Topology and Discovery (ib_prot_02.pdf)

Background and updates to the Aladdin Topology and Discovery mechanism proposed for the draft.

10:45 Break

11:00 Jim Kao – Topology Discovery for Darwin (jk_dwtop_02.pdf)

Description of the Topology and Discovery process proposed in the Darwin text.

11:20 David James – Topology and Discovery (dvj_ttl_05.pdf)

Topology and Discovery document as presented the DVJ document.

11:45 Lunch

1:00 – Tom Alexander – Current State of 802.17 Draft Proposals (ta_prospstatus_01.pdf)

Presentation of proposals for various sections of the initial draft.

43 Proposals across 17 annexes

Five major groups

Clauses with from 0 to 4

Straw Poll

How many people are interested in being a clause editor? Result = 16

1:15 – Anoop Ghanwani – Use of the Customer ID Field (ag_cid_02.pdf)

Presentation on the importance of the Customer ID field for the RPR standard.

1:45 – Bob Castellano – Bridging Requirements (rc_bridging_02.pdf)

Presentation of the methods for enabling bridging on RPR rings.

2:30 Break

3:00 David James – TTL Updates and Implementations (dvj_ttl_05.pdf)

Proposals on TTL mechanisms and their implications for RPR

3:35 Khalid Amer – Simulation Scenarios (Ka_sim_01.pdf)

Simulation scenarios that can be used to test algorithms proposed for the standard.

4:15 – Changcheng Huang – HOL Delay Bound for Darwin with 1 TB (ch_dwhol_02.pdf)

Description of the HOL characteristics bounds, values and guidelines for 1 TB implementations

4:45 – Leon Bruckman – Darwin OAMP (lb_dwoam_02.pdf)

A description of the OAMP mechanism contained in the Darwin proposal.

5:05 Gal Mor - Darwin Protection (gm_dwprot_02.pdf)

Describes the RPR protection presented in the Darwin draft.

5:30 Gal Mor – RPR MIB Structure (gm_mib_02.pdf)

A description of structure and relationships of the MIB tables for RPR.

5:50 Administration

Announce social

Announce meeting of prospective editors

Wednesday January 23, 2002

9:00 – Vassan Karighttam Delay and Jitter with Darwin and 2 Transit Buffers (vk_dwdel_02.pdf)

Simulation Scenarios and Results for the Darwin (Gandalf) and Aladdin proposals.

9:55 – Stein Gjessing - Lessons Learned from Java Simulations (sg_java_02.pdf)

Simulations of Rate Control for Medium priority traffic scenarios.

10:35 – Khaled Amer – RPR Performance (ka_perf_02.pdf)

Simulation results for Gandalf and VoQ proposals.

11:30 - Joh Schuminga – Cyclic Reservation Beats all MACs (vas_resmac_03.pdf, IKN_ResCycMac_03.pdf)

A description and performance information for the proposal from IKN (Institute of Communication Networks)

11:55 Bob Love – Presentation of procedure and suggested motions to proceed with the draft. (rdl_prop_02.pdf)

A process for moving the working group forward for the first draft.

1:05 - John Schuminga – MAC Performance Comparison (vas_permac_03.pdf)

A description of MAC Performance using different algorithms.

1:15 – Adisak Mekkittekul – Congestion Management and Congestion Avoidance Internetworking (am_cong_01pdf)

Description of how CM and CA fairness mechanisms can interoperate.

1:50 – Kanaiya Vasani and Anoop Ghanwani – Access Control Algorithm for the RPR MAC (kv_acc_02.pdf, ag_fairtext_01.pdf)

A description of the fairness mechanism contained in the Aladin draft.

2:30pm: Break

3:10pm: Motions

The detail of all motions including, specific text, movers, time, results, subsidiary motions and other information can be found in the excel spreadsheets that constitute the official record of the motions from this meeting. These four spreadsheets can be found on the IEEE 802.17 web site under Meeting Proceedings January 2002. The four files are called motions_012402p0_f01.xls, motions_012402p1_f01.xls, motions_012402p2_f01.xls, motions_012402p3_f01.xls.

The text below represents a transcription of the events and not a full record of the motions. It is provided for the convenience of the reader, however, in the event of a discrepancy between these notes and the spreadsheets, the spreadsheets are to be considered the official record of the motions.

Motion to count voters and all members separately for all motions voted on at this meeting beginning with passage of this motion. 01/23/02, 3:20pm

Mover: Nader Vijeh

Second: Jim Mollenauer

Fails.

Motion #1: Unanimously passed.

Motion #2: yes 99, no 0, abstain 8

Motion #2a – subsidiary:

Motion #3:

- Motion to table motion #3
- Yes: 6, no 999

Motion #4: Passed without objection

Motion #5: Passed without objection

. change “by 2/8/02” to “to John Hawkins and Tom Alexander before 2/11/02”

. clarification: is it that if a proposal did not get 75%, prepare in 2 weeks?

. the intent of this motion is let the proposal not getting enough votes at this meeting to have it in as an alternate proposal

. once the proposal is posted on the web, it will be owned by the draft

Motion #6: Passed

Q: What happens the simulation model is not posted?

A: Moral suasion.

C: In what format? – any

C: This motion is too ambiguous. – People can decide.

C: Releasing the source code model may poses legal problems in big companies. – The qualifier is taken off.

Motion #7: Passed without objection

Q: Comments begins from this date on? - Yes. This will be good input for the March meeting.

Motion #8: Failed

Y 13, N 34, Abstain 50

Motion #9:

C: Forming ad hoc group is meaningless, considering that majority of working group will likely to participate in the resolution process anyways.

- defer the motion: y: 99 n 0, abs 5

C: start with members-only section

Motion #10: Passed without objection

Q: Who will decide on the editorial team members? - Names have been collected, but decision has not been made.

C: Editorial team needs latitude to modify and update these sections as appropriate to reflect the will of working group.

Q: Is there IEEE rule regarding the selection of editorial team members? – No. It up to the chair.

Motion #11: Failed

C: This should be something to be left to the discretion of editors.

C: IEEE does not have such rules as the formats of state diagrams, etc.

C: This motion is to urge the contributors to provide state diagrams to the editorial team.

C: Why limits the formatting issue exclusively to the state diagrams?

5:25pm: Motion to recess until tomorrow morning - Passed

Mover: Steven Wood, Seconder: Raj Sharma

Y 59, n 5, Abs 15

- It is also noted that there are 25 motions left to be voted. Chair requests to begin Thursday's meeting at 8:00am.

Thursday 1-24-02

8:05am: Agenda Scrub and Interim Budget Report, Mike Takefman

8:20am: Tom Alexander - Selection of Editors

Clarification of the rules for the selection of section editors. Chief editor will appoint all the section editors based on volunteers.

Motion #2

Agenda Allocation

Item

Number Allocation

Total Time

Procedure

1

Outline

Clause Group Select

Ad Hoc Formation1

Buffer/Voting

Mover: Steven Wood Second: Necdet Uzun

Motion withdrawn

8:45am: Continuation of Voting on previously submitted Motions

Motion #12: Passed without objections

Motion #13: Passed without objections

Motion #14: Passed without objections

Motion #15: Failed

. Debates occurred on whether this motion has to be withdrawn.

. Accept these motions. At this point, it is the purpose of this meeting to accept, since it is to manage motions for the comments until March.

Y: 34 n 45 A 25

Motion: #16, second: Harry Peng – Passed without objection

Motion #17: second: Gal Mor – passed w/o objection

Motion #18: Passed w/o objection

M: Necdet Uzun, S: Italo Busi – Passed without objection

- friendly amendment attempting to merge proposed motions.

- withdrawn

C: Thought the intent is respectable, We should leave the motions as they are at this time...for comments until March.

C: Provisioning should be kept out of the MAC specification.

Motion #19: Failed

M: David James, S: Bob Love

C: If any proposal does not garner more than 50%, there is no point to keep such proposal around.

Request for Chair's ruling:

- What would be posted on the web will be the fraction of the proposal (e.g., sections 16.3 and 16.4 in Dvj proposal only)

Y 6 n 67 a 28

Motion #20: Failed

M: David James,

Y 5 n 52 a 31

Motion #21: Passed

M: Steven Wood, S: Leon Bruckman

y 74 n 3 a 20

Motion #22: Passed

M: Steven Wood, S: Necdet Uzun

C: Needs to address the technical requirement for the spatial reuse of unicast packets.

C: Need to address the performance of the proposed approach.

C: Have two separate appendices, one on basic 802.1D compliance, the other performance enhancement

Y 79 n 12 a 14

Motion to call the question on Motion 22

Y 82 n 2 a 0

Motion #23: Failed.

M: Bob Castellano, S: David James

C: Under the butterfly config in the typical pop, routers are imposed to run bridging. Needs to understand it better.

C: friendly motion to make this motion for the new distinct annex different from the base line bridging.

C: This proposal has an impact to the base line frame format.

C: Movers agree to make this as an informative annex, which is reflected in the text of the motion.

Y 21 n 61 a 20

10:40am: Break

11:05am: Continuation of Voting on Motions

Motion #24: Tabled.

M: Nader Vjeh, S: Kanaiya Vasani

Motion to table. – Motion tabled without objection.

Motion #25: Tabled.

M: Steven Wood, S: Harry Peng

Motion to table. – Motion tabled without objection.

Motion #26: Passed

M: Necdet Uzun, S: Vince Eberhardt

Motion to defer the motion #26 until after the motion on the fairness issue is resolved. – moved by David James – Failed by (y 6 n 45 a 44)

y 70 n 2 a 9

Motion #27: Failed

M: David James, S: Bob Castellano

Y 6 n 76 a 17

Motion #28: Passed

M: Leon Bruckman, S: Necdet Uzun
Y 88 n 2 a 16

11:50am: Lunch Break

1:00pm: Continuation of Voting on Motions

Motion #29: Passed (Darwin Proposal)

M: Lauren Schlicht, S: Leon Bruckman
Y 82 n 1 a 18

Motion # 30: (DVJ proposal)

M: David James, S: Fredrik Davik
Y 4 n 60 a 34

Motion #31: Tabled (Ghanwani proposal)

M: Kanaiya Vasani, S: Nader Vijeh
Motion to table motion #31 – moved by Kanaiya Vasani – Passed by (y 40 n 6 a 52)

Motion #32: Failed (Italo proposal)

M: Jeanne De Jaeger, S: David James

- friendly motion is made.

C: We can adopt the Darwin proposal and comment out all the implementation specific descriptions later.

- mover amended the motion

y 43 n 29 a 39

Motion #33: (Ghanwani proposal)

M: Kanaiya Vasani, S: Adisak Mekittikul

Motion to table motion #33 – moved by Nader Vijeh – Failed by (y 31 n 37 a 28)
Motion is withdrawn by the mover.

Motion #34: Failed (DVJ proposal)

M: David James, S: Fredrik Davik
Y 5 n 55 a 32

Motion #35: Passed (Darwin proposal)

M: Steven Wood, S: Necdet Uzun
Y 79 n 1 a 22

Motion #9 to create ad hoc task groups, was addressed, just long enough to table it.

Motion A (on Coding Examples): Adding DVJ CRC examples to Darwin Appendix J (friendly amendment) as Annex "Code Examples" - passed without objection.

6:00pm Motion to adjourn from Bob Castellano - passed.

Thus closed the January 2002 IEEE 802.17 Interim meeting.

Appendix: Attendance List (Total: 138)

#	(Attendees)
1	Sanjay K. Agrawal
2	Thomas Alexander
3	Khaled Amer
4	Anjelica Amir
5	Grenville Armitage
6	Siamack Ayandeh
7	Gunes Aybay
8	Kinshuk Bardhan
9	Constantinos Bassias
10	Mark Bordogna
11	Thomas J. Boures
12	Rhett Brikovskis
13	Leon Bruckman
14	Jean-Pierre Burvenich
15	Italo Busi
16	Robert Castellano
17	James Chan
18	Santosh Charchachood
19	David Chen
20	David Cheon
21	Wenjing Chu
22	John Collins
23	John Coulter
24	William Dai
25	Spencer Dawkins
26	Kevin Dooley
27	Lewis Eatherton
28	Angela Tozzi Faber
29	Jason Fan
30	Jim Forster
31	Jingsong Fu
32	Chi-Ping Fu
33	Denton Gentry
34	Anoop Ghanwani
35	Stein Gjessing
36	Sridhar Gollapudi
37	Martin Green

#	(Attendees)
38	Ibrahim Habib
39	Stephen Haddock
40	Fredrik Hanell
41	John Hawkins
42	Carl Hayssen
43	Albert Herrera
44	Mark Hoke
45	Brian Holden
46	Shawn Holiday
47	Marc Holness
48	Victor Hou
49	Henry Hsiaw
50	Warren Huang
51	Chang Huang
52	Wai-Chau Hui
53	Sue Hui
54	Jeanne De Jaegher
55	David James
56	Pankaj Jha
57	Bruce B Johnson
58	Mohan Kalkunte
59	Tatsuo Kanetake
60	Jim Kao
61	Harsh Kapoor
62	Vasan Karighattam
63	Han Kiliccote
64	Yongbum Kim
65	Rick Kong
66	Markku Korpi
67	Kumar Kovvali
68	Paritosh Kulkarni
69	YN Kumar
70	Sateesh Kumar
71	Peter Lassen
72	Michael V.Lau
73	Byoung-Joon(BJ) Lee
74	Chuck Lee
75	John Lemon
76	Heng Liao

#	(Attendees)
77	Fengkun Liu
78	Valentino Liva
79	Robert D. Love
80	Arman Maghborleh
81	Vittorio Mascolo
82	Tom Mathey
83	Adisak Mekkittikul
84	Sherri Menefee
85	Dave Meyer
86	Jim Mollenauer
87	Gal Mor
88	Ashwin R. Moranganti
89	Mannix O'Connor
90	Cel Ololo
91	Fredrick Olsson
92	Robin Olsson
93	Fredrik Orava
94	Dean Painchaud
95	Jie Pan
96	Chip Paryzek
97	Krishna Pattabhiraman
98	David Pechner
99	Harry Peng
100	Stevan Plote
101	Vish Ramamurti
102	Komal Rathi
103	
104	Bill Reysen
105	Dan Romascanu
106	Luis Rovira
107	Padma Saxena
108	Nirmal Saxena
109	Lauren Schlicht
110	Armin Schulz
111	Raj Sharma
112	Surender Sharma
113	Jerry Shiad
114	Bob Sultan
115	George Suwala

#	(Attendees)
116	Kazuo Takagi
117	Michael Takefman
118	Frederic Thepot
119	Bor-Long Twu
120	Necdet Uzun
121	Harmen R. Van As
122	Venkat Vankayalupati
123	Kanaiya Vasani
124	Nader Vijeh
125	BhupenderVirk
126	Thien Vuong
127	Alan Weizsbeergen
128	Michael Wittmann
129	Peter Wolff
130	Thomas Woo
131	Steven Wood
132	Donghui Xie
133	Yiming Yao
134	Mete Yilmaz
135	Pinar Yilmaz
136	Yasuhiko Yotsuyanagi
	George Young
137	David Zelig
138	Igor Zhovnirovsky