

These minutes should be used in conjunction with the motions captured in file motions_071102_d01.pdf. In instances where motions listed in both documents capture a given motion, the official version is the one listed in the motions file.

July 8th Meeting

1:00 pm – B J Lee, secretary of the WG wont be here on Monday and Tuesday. Vinay Bannai (Luminous Networks) will substitute during the absence.

1:05 pm – Mike T presented the 802.17 WG charter, procedures, rules, patent policy, time lines

- This is a plenary meeting, automatic quorum
- Disclose patents using patent letter from IEEE patent committee
- 1 day of presentations, 1.5 days of comment resolution, motion madness and authorize editors for D1.0
- May meeting generated a surplus of \$85 per attendee, refund will be issued to the credit card and cheque for those who paid cash
- Server address 10.0.1.17, SSID is IEEE and WEP off

1:30 pm – Agenda approval for Monday (Mike T)

- Approval of meeting minutes of march 2002 and may 2002

1:35 pm – SG 17 WG liason letter (Mike T)

- ITU-T SG 15/17 meeting in July 23, 2002 in Oslo, Norway
- Mike T to attend

1:40 pm – Editors report (Tom A)

- D0.3 will be the draft and comments against it will be resolved in this meeting (ratify TF decisions and resolve comments)
- John Lemon will be the new section editor for MAC section
- 723 comments on D0.3, 272 technical, 374 comments directed at MAC section, 5 unresolved comments from Ottawa meeting (total of 728 comments)
- Authorization of D1.0 for next meeting
- Track A (MAC): 374/268, Track B (Fairness, Topo, Bridging): 146/107
- Clarification of various comments: technical, technical-binding and editorial

2:00 pm – Voting rights/Membership (Mike T)

- Some new members gain voting rights

2:07 pm – Protection Switching (Anoop G)

- Title : Generation of Protection Messages
- Suggests modification to exponential back off for sending protection messages

2:27 pm – RPR ringlet slection (John L)

- Propose text to clause 6 on how to handle ringlet selection

2:44 pm – Service Classes in 802.17 MAC (Anoop G)

- Instead of three classes, suggest using two classes in the MAC

3:07 pm - TimeOfDay synchronization for TDM (David J)

- Proposal for clock synchronization in the MAC

3:24 pm – 3:53 pm Break

3:53 pm – Negotiated Bandwidth (David J)

4:04 pm – Shapers (David J)

4:11 pm – Provisioning of RPR networks (Looking Glass Networks)

- Circuit TDM should not exceed 50% on any span
- RPR not competitive against 4 Fiber BLSR

4:25 pm – Fairness state machines (Komal R)

4:43 pm – Computing fair rates in RPR rings (Anoop G)

5:14 pm – HEC error coverage (David J)

5:22 pm – Observations in Darwin (Jonn M)

5:45 pm – Layer diagram for RPR (Rhett B)

- Single layer diagram for use in draft RPR standard

5:58 pm – Voting of motion 2002-7-08-02

- By straw vote, it was decided to vote on the motions today excluding 2002-5-09-20
- Motions 2002-5-09-01 thru 2002-5-09-22 passed excepting 2002-5-09-20
- Passed motion 2002-7-08-02 without objection

July 9th

8:10 am – Seating and agenda scrub (Mike T)

- Agenda approved without any objection for July 9th (straw vote)

8:25 am – OAM-AH update (lbr_oamah_02.ppt) – Leon B

- OAM tools to be part of the 802.17 standard (echo, CC, RDI, activate/deactivate)
- Defects ; LOC and RDI

- CC function should be in MAC (according to this presentation). However the majority in the OAM-AH think it should be in MAC client, but Leon B and a minority think it should be in MAC
- 3 options
 - Normative/Optional
 - Informative Annex
 - Remove CC/RDI from 802.17

8:47 am – Bridging Ad-Hoc (BAH) overview (bah_over_01.pdf) – Marc H/Bob C

- Four subgroups: frame structure, flooding techniques, bridging and 802.1D/Q compliance, bridging with spatial reuse and 802.1D/Q compliance

8:55 am – Flooding Protocols (bah_fld_01.pdf) – David J

- Flood modes: FLOOD_COPY, FLOOD_TOSS

9:38 am – Basic bridging compliance (bah_basic_03.pdf) – Marc H

- RPR bridges do not operate in promiscuous mode, flooding indication support in 802.17 frame, MAC will flood all remote network address frames, copy and flood packets with flooding bit

9:53 am – Enhanced Bridging Overview (bah_enhnc_02.pdf) – Bob C

- New spatial reuse control sublayer for enhanced bridging
- SRCS would support spatial reuse for both bridged and non-bridged traffic

10:18 am – 802.17 Bridging compliance roadmap (bah_road_01.pdf) – Marc H

- Recommendations: Basic bridging is normative in 802.17 and enhanced bridging is optional normative in 802.17 specification

10:41 am – 11:04 am break

11:05 am – BAH 802.17 Frame structure requirements (bah_frame_02.pdf) – Marc H

- Request to clause 8 technical prime to support BAH frame structure

11:28 am – RAH report to WG (rah_over_02.pdf) – Necdet U

- Focus groups : Performance issues, Clarification of clause 9, interaction of clause 6 and clause 9, VDQ, Clean up pseudo code, Ingress/Egress rate synchronization
- Revised clause 9 (7/02) as RAH's recommendation as replacement text for clause 9 in D0.3

11:37 am – Weighted fairness performance scenarios (ka_scen_02.pdf) – Khaled A

11:55 am – Clause 9 rewrite (jl_fah_01.pdf) – John L

- Clarify existing algorithm, no change to algorithm
- Will be resolved thru comment resolution process

12:11 pm – Announcements about CR

12:12 pm – Proposal for RPR rate synchronization (rb_sync_01.pdf) – Rhett B

12:34 pm – Dynamic Downstream – Worst case scenario (sg_worst_02.pdf) – Stein G

12:50 pm – Chief Editor announcements – Tom A

- Track A – Georgia A
- Track B – Georgia B
- Track C – Oxford

12:54 pm – 802.17 Schedule discussion – Mike T/ Bob L/Tom A

- Minimum of 2 meeting to close current issues
- Minimum of 4 meetings to converge WG ballot
- Minimum of 4 review cycles to converge sponsor ballot

Rest of the day – Comment resolutions in various tracks

July 10th

Comment resolutions in various tracks

July 11th

8:05 am – seating and agenda scrub

8:10 am – Agenda approval

8:14 am – Report on ITU 15/17 (Roy Bynum)

- Simple and low cost connectivity to rural area in China

8:20 am – Liason letter to ITU 17 (Mike T)

- Removed the sentence “requirements and so make it unnecessary to develop two competing international standards” and replace it with “requirements”
- Other word smithing of the letter approved by straw vote

8:48 am – Motion to send Glenn Parsons as liaison to ITU SG-17

- Passed by unanimous acclamation

8:49 am – Motion to send draft 1.0 to ITU SG-17

- Passed by unanimous acclamation

8:50 am – Motion to reconsider (related to minutes of may 2002) (Bob L)

- Passed unanimously

8:52 am – Editor’s reports (Tom A)

- Update on section 1 comments (Tom A)

- Move to change all instances of “TTL” to “hop limit” (technical), M: Anoop, S: Khaleed, F:11, A:49 Abstain:8, Motion fails
- Comments resolutions (comment # 8)
 - “Specify the ring circumference in units related to the RTT”, F:4, A:39, Abstain: n/a, fails
 - “Retain the 2000 km limit in the document but clarify that this is a design goal and not a specific physical constraint”, F: 51, A: 2, Abstain: n/a, passes
- Comments resolutions (comment # 9)
 - “Change all uses of term “device” to “station” as appropriate. The maximum number of stations shall be 127., Y: 9, N: 37, fails
 - “Change all uses of term “device” to “station”. Invite studies to show how 255 nodes can be supported in a ring. (passed)
 - “Change all uses of term “device” to “station” as appropriate. State that 802.17 is optimized up to 64 stations but should operate with upto 255 stations. Y: 44, N:9, passes
- Comments resolutions (comment #31)
 - Retain the words but change “data rate” to “nominal data rate” and include them not only in the introduction but also in Annex B, Y: 32, N: 17
 - Accept the proposed remedy as-is. Remove this phrase as requested, Y:18, N: 26
- Comments resolution (comment #22)
 - Terminology ad-hoc should be formed and changed with coming up with suitable names. These will then be placed before the WG. This comment remains unresolved until then, withdrawn
 - Name the ringlets “Ringlet 0” and “Ringlet 1” or “0” and “1” as appropriated. Y: 54, N:0, passes
 - Name the ringlets “Ringlet 0” and “Ringlet 1” or “0” and “1” as appropriate, and the interfaces as “East” and “West” as appropriate. Y:25, N:18, fail
 - Name the interfaces as “East” and “West”, Y: 32, N: 17, fail (request to reconsider by John Lemon, the chair accepts. Revoted as : accepted by unanimous consent)
 - Name the interfaces as “Left” and “Right”, Y:19, N:17, fail
- Comment resolution (comment # 643)
 - Comments are requested from the WG and ad-hoc groups to identify delays which need to be bounded and specify the appropriate bounds. The comment should remain unresolved until that time. Passed unanimously.
- Update on comment resolution for clauses 1-4 + Annex A (Bob S)
 - Motion 2002-07-11-1, passed by acclamation
 - Motion 2002-07-11-2, passed by acclamation
- Update on section 2 (clauses 5,6,8, Annexes G, H and I) main clauses (John L)
 - Motion 2002-07-11-3 to adopt all resolutions to comments on clauses (5,6 and 8) the MAC section, as resolved by comment resolution ad-hoc,

including requests for contributions and requests to form ad-hocs as necessary, and to grant editorial license for all unresolved editorial comments. M: John Lemon, S: Steve Wood, Passed by unanimous acclamation.

- Administrative motions (Mike T)
 - Electronic voting (SEC_letter_ballot.pdf)
 - 2nd Vice Chair
 - Closing SEC times
 - Motion 2002-07-11-4, “ “, passed by unanimous acclamation
 - Motion 2002-07-11-5 “Direct the chair in favor of SEC rule change concerning 2nd vice chair”, passed by unanimous acclamation
 - Motion 2002-07-11-6, “Direct chair to vote against SEC rule change concerning closing plenary meetings”, passed by unanimous acclamation
 - Motion 2002-07-11-7, “Preauthorize the WG to conduct business and make decisions on the next draft at the September interim meeting. These include: resolve comments, approving the creation of a next draft, adopting proposal and contributions towards the creation of the next draft; forwarding the draft to WG ballot”, passed by acclamation

12:17pm – 1:06 pm Break

- Update on section xxx (Annex G, H, I) (David J)
 - Comment resolution (comment #720)
 - WG resolution: For VDQs to work with a misbehaving client, these queues need to be mirrored with distinct shapers. Further descriptive text will be provided. RAH is requested to review and refine so that this can be refined to be normative/optional content, Y:11, N:31, fails
 - WG resolution: Remove all portions of the informative annex that refers to spatial shapers, Y: 37, N: 16, fails
 - WG resolution: For VDQs to work with a misbehaving client, these queues need to be mirrored with distinct shapers. This should be changed from informative to normative-optional content, Y: 18, N: 31, fails
 - Comment is carried forward as unresolved
 - Comment resolution (comment #722)
 - WG resolution: All normative multi-choke related draft activities should be postponed to the next revision of the standard. We should limit the current work to single-choke. Therefore, this comment is rejected. Y: 37, N: 19, fails
 - WG resolution: Contributions from RPR members are solicited to define multi-choke fairness and should be reviewed by the RAH before being presented to the WG. Therefore, this comment is rejected. Y: 24, N: 29, fails
 - Motion 2002-07-11-4 (technical), passed by unanimous acclamation
- Update on PHY section (Rhett B)

- Motion 2002-07-11-5 (technical), M: Rhett, S: Harry, passed by unanimous acclamation
- Update on Fairness section (Anoop G)
 - Withdrew motion (??)
 - Comment resolution (comment # 501)
 - WG resolution: Reject the comment. Keep type B messages mandatory. If generation is optional, then the stations that required reception will not work, Y:18, N:1, passes
 - Comment resolution (comment #524)
 - WG resolution: Reject this comment. Fairness messages are 16 bytes and within this message there is a type field and by this information the packet can be handled. Destination address is not needed in fairness messages because it is not addressed to any specific node, Y: 48, N: 6, passes
 - Accept the commenter's proposed remedies as-is, Y: , N: ,
 - Defer the issue for resolution with other fairness-related format issues in the FFAH. Keep the comment unresolved until the FFAH has dealt with the matter, Y: , N:
 - Use a different packet type in the RPR header to distinguish between type A and type B messages, Y: , N:
 - All fairness packet generation should be optional, Y: , N: ,
 - Comment resolution (comment #500)
 - WG resolution: Accept the second remedy suggested in the comment (to allow 2 or 3 different modes) because we currently have 2 different modes. No change to the text will result. Withdrawn.
 - WG resolution: Reject this comment on the basis of no specification of fair rate method calculation, and violating the objecting of a stable fairness algorithm. Request the commenter to provide a method of calculating fair rate, Y: 57, N: 0, passes
 - WG resolution: Accept the first remedy.
 - Comment resolution (comment #483)
 - WG resolution: Accepted
 - Comment resolution I(comment # 509)
 - WG resolution: Strike this sentence. This sentence des not belong in clause 9 and the issue is well addressed in clause 6 where it belongs. This comment is a duplicate of comments #340, 367, 374, 378 which have been dealt with in the MAC section CRG, passed by unanimous acclamation
 - Motion 2002-07-11-6, M: Anoop, S: Necdet, passed by unanimous acclamation.
- Update on Topology/Protection section (Jason F)
 - Comment resolution (comment #539)
 - WG resolution: Leave the initial value of TTL open and refer it to the FAH for recommendations on use with data frames. The

- comment should be left unresolved and carried over until a recommendation is received, Y: 3, N: 17, fails
 - WG resolution: MAX_STATIONS should be defined in one place and assigned a value of 255 and any other place in the document that references the number of possible stations on a ring should use this variable name instead of a number, Y: 46, N: 0, passes
 - Comment resolution (comment #540)
 - WG resolution: “Right” and “Left” will be replaced by “upstream” and “downstream” as appropriate. “Next” link will be replaced by “downstream” link.
 - Motion 2002-07-11-7, M: Jason, S: Jim Kao, passed by unanimous acclamation
- Update on OAM section (clauses 12, 13 and E) (Glenn P)
 - Comment resolution (comment #679)
 - WG resolution: Submitter is requested to contact the IEEE to discuss alternative electronic format distribution. The draft remains unchanged, Y: 6, N: 7, fails.
 - WG resolution: Accept the ad-hoc’s resolution and reject this comment, Y:38, N:2, passes
 - Comment resolution (comment #610)
 - Accept modified
 - Comment resolution (comment #614)
 - WG resolution: Defer to the OAH for consideration. Leave the comment unresolved until a recommendation is adopted, Y: 33, N:2, passes
 - WG resolution: Default values for per-node allocation for class A and class B will be 15% and 5% respectively
 - Motion 2002-07-11-8 (technical), M: Glenn P, S:Tom A, passed by unanimous acclamation
- Update on bridging section (Bob Castalleno)
 - Comment resolution (comment #1006)
 - WG resolution: Request section editor to run this by the 802.1 group in order to determine if any corrections to the draft need to be made, passed by unanimous acclamation
 - Comment resolution (comment #1007)
 - WG resolution: Leave unresolved. Suggest that the BAH provide a concrete proposal, Y:4, N:33, fails
 - WG resolution: The BAH should provide a mapping table to map 0-7 priorities to 802.17 service classes. Note that this is not mapping 802.1D priorities. Clarify as non-nomative, Y: 55, N:0, passes
 - Comment resolution (comment #693)
 - Comment is carried by unanimous acclamation
 - Comment resolution (comment #703)
 - Comment is carried by unanimous acclamation
 - Comment resolution (comment #706)

- Comment is carried by unanimous acclamation
- Comment resolution (comment #1008)
 - WG resolution: Extend the figures referenced in the comment to fully define how the ISS/E-ISS service primitives map to the RPR ring control field, withdrawn
 - WG resolution: Carry this comment until frame structure motion is decided, passed with unanimous acclamation
- Motion 2002-07-11-9, passed by unanimous acclamation
- Motion 2002-07-11-10, M: Tom A, S: John L, passed by unanimous acclamation

5:18pm – 802.17 Timeline (John H)

5:47pm – Motion, 2002-07-11-8, Move to add the ringlet selection text contained in cls06_MAC_rs_708.pdf to clause 6 for incorporation into P802.17/D1.0, M: John L, S: Peter J, passed by unanimous acclamation

5:51pm – Motion, 2002-07-11-9, Move That 802.17 will only consider basic bridging compliance as described in the draft text (Basic bridging draft text D0_3), M: Collier Buffington, S: Raj Sharma

- 6:01pm – Motion to defer 2002-07-11-9, M:Nader V, S: David J, Y:39, N:2, A;2

6:04pm – Motion, 2002-07-11-10, Move that 802.17 WG shall deem proposals dealing with enhanced bridging as being outside its scope of work and within the scope of 802.1, M: Collier Buffington, S: Raj Sharma

- Amended as(unfriendly): That 802.17 WG shall deem proposals dealing with enhanced bridging which will be accepted by 802.1 will be outside of our scope, M: David J, S: Bob C, Y: 4, N: 49, A: 0, fails
- Amended as (friendly by Geoff T): That 802.17 WG shall deem proposals dealing with enhanced bridging as being outside the scope of its current PAR, M: Collier B , S: Raj S, Y: 52, N: 2, A: 6, passes

6:33pm – Motion, 2002-07-11-9, Withdrawn

6:34pm – Motion, 2002-07-11-11, Move that 802.17 will not accept further technical changes (that are not corrections to the working draft or additions due to omissions) beyond the september interim meeting, M: Necdet U, S: Lauren S

- Amended as (friendly): append to the above motion “e.g 802.17 will not accept further presentations and proposals on new features beyond the September interim meeting” amended by Nader V and modified by Geoff T , Y: 46, N: 4, A:6, passes

6:58pm – Motion, 2002-07-11-12, Move that 802.17 adopt the following operating rules regarding retaining and maintaining membership
M: Youngbum Kim, S: Tom A, passed by acclamation

7:12pm – Motion, 2002-07-11-13, Move to request 802.17 WG approval of BAH framing requirements and evaluation criteria defined in July 2002 802.17 WG

presentations bah_frame_02.pdf and formats.pdf (helps in moving forward to help resolve comments – 703, 693, 706, 1000, 1002, 1003, 1004, 1005), M: Bob C, S: Marc H, Y: , N: , A:

- Move to defer until the next meeting, M: Nader V, S: David J, Y: 32, N: 19, A: n/a, failed
- Call to vote, Y: 44, N: 2, passes
- Y: 2, N: 42, A: 11, motion fails

7:27pm – Motion, 2002-07-11-14, Request the 802.17WG decision on the 802.1D/Q bridging compliance specification road map for 802.17 draft, M: Bob C, S: none,

- Motion fails for lack of a seconder

7:28pm – Motion, 2002-07-11-15, Move to adopt the layer diagrams shown in rb_layer_02.pdf (note addition of “ringlet selection” and “OAM” MAC control functions) to replace the layer diagrams in P802.17/D1.0, M: Rhett B, S: John L, passed by acclaim

7:32pm – Issue list will be circulated ASAP by means of the electronic mail and website, passed by acclaim

7:36pm - Motion, 2002-07-11-16, Move that 802.17 meet in interim session during the week of September 30th, 2002, in the vicinity of New Orleans, LA. Details will be posted at www.ieee802.org , M: John H , S: Bob L, passed by acclaim

7:39pm – Motion, 2002-07-11-17, Move to adjourn, M: Mike T, S: Bob L