

IEEE 802.17 (Interim) meeting minutes

Atlanta

Jan 2003

Notes

- The agenda for the meeting is posted on the web at http://www.ieee802.org/17/documents/presentations/jan2003/jan_agenda_03.pdf
- All the presentation materials for the meeting are located at the following URL <http://www.ieee802.org/17/documents/presentations/jan2003/index.htm>

Meeting minutes 01/13/2003

8:07 AM – Introduction & Welcome (Mike Takefman)

- Username and password for the WG put up
- Process
- RPR membership rules
 - 75 % attendance
 - Voting rights are obtained by attending 2 meeting of the last 4 plenary meeting and given at the next plenary
 - Couple of voters should not be there because of accounting bug in Chair's computer
- Robert's rules of order for WG procedures
- 126 voters, need 63 members for quorum
- Motion from last meeting to enable work on D2.0
- Patent policy slides displayed, questions to patcom@ieee.org
- 802.17 schedule
- Proposed mid week "plenary" of the 802.17 WG to resolve sticky issues and comments
- March meeting in Dallas
- May is not yet decided
- July in San Francisco
- Host of the 802.17 Interims also provide funds
- No Internet connection at this interim meeting (asking \$4000/day), compared to \$250 a day
- Local server at 192.168.0.2
- SSID IEEE
- WEP OFF

8: 30 AM – Approval of agenda (Mike Takefman)

- John Lemon requests a slot after KK Ramakrishnan
- Approval of the agenda

8:33 AM - M: Bob Love, S: Raj Sharma, Approval of Agenda 2003-1-13-01, Unanimous

8:34 AM – November 2002 meeting minutes need to be uploaded to the website. Motion to approve the minutes for Nov 2002 deferred till such time.

8:35 AM – Bob Love commends the editors for a great job

8:36 AM – Editors report of 802.17 draft/balloting

- 70 Valid ballots
- 55.6 % return ratio (802 requires $\geq 50\%$)
- 39 approvals, 31 disapprovals, 0 absentions
- 56 % approval ration (require $\geq 75\%$)
- 0 % absention (require $\leq 30\%$)
- Ballot fails
- 1494 valid comments + 9 carryovers
- David James wins the cheap wine award with 506 comments
- MAC section back to receiving maximum comments (533 comments as per Chief Editor)

8:55 AM – Clarification from the Chair on submitting comments

- Anyone who attends the 802.17 meeting will be granted access to the draft standard
- Also by discretion of the chair
- Anyone having access to draft can submit comments

8:58 AM – Unbalanced traffic and the RPR fairness algorithm (Violeta Gambiroza)

- Rice university's presentation (E. Knightly student)
- Permanent oscillations for unbalanced traffic for aggressive mode
- Similar oscillations for TCP flows
- Possible solutions: Traffic modeling and generalized feedback

9:24 AM – Improvements to performance of fairness scheme (KK Ramakrishnan)

- Improvements suggested to conservative mode with STQ
- Improved localFairRate, RTT etc

10:07 AM – Break (Continuing with KK presentation Q & A)

10:20 AM – RTT measurement (John Lemon)

10:33 AM – Ring configuration and provisioning (Anoop Ghanwani)

- Need for checking consistency of ring wide parameters like AGECEOEF, RAMCEOEF

10:56 AM – RPR frame format (Bob Castalleno)

- “Brave” proposal
- Frame control bit
- Extended ring control bit (16 bit)

11:31 AM – RPR 802.17 OPNET model

11:45 AM – Protection Ad Hoc Report (Jim Kao)

11: 50 AM – Lunch break

1:00 PM – Context containment robustness (Mike Takefman)

1:12 PM – Context containment (David James)

1:33 PM – Multichoke fairness (David James)

1:53 PM – X.msr (Mr. Shaohua Yu)

- Rapporteur of Q.7/17, WP2
- Multi-service over RPR
- Circuit emulation of T1/E1, Ethernet, FR, ISDN, protection 50 ms, 1+1, 1:1, 1:N trib protection
- COM17-21 : TD 2132 Rev.3, 2-ring structure (based on RPR)
- Scope of X.msr-rpr is defined by reference points
- Reference point G1/G2: Trib interface to the X.msr-rpr client
- Reference point T1/T2: MAC interface of the X.msr-rpr client
- Trib based performance monitoring by sequence number
- Manual protection, wrapped disable, protection disable, steering disable and fairness disable opcodes
- Issues: pre-plan and provisioning to plug and play, from local address to global MAC address
- Request a unique ethertype value to X.msr

2:25 PM – Ethernet flow mapping to RPR

- Proposal: Use ITU-T LAPS in sub-clause 7.4.2.2
- Proposal: Use LAPS flag and cancel 16 bytes idle

2:53 PM – RPR time synchronization support (David James)

3:11 PM – PICS, Conformance test points and optional compatibility interfaces (Tom Alexander)

- Standard is like a camel, it stinks and has teeth and not to be trifled with

- PICS : A tabular proforma that describes all the things that an implementation must contain in order to be compliant to the standard
- Have atleast one set of PICS proforma
- For reference 802.1Q and 802.11 have very good PICS proforma
- PICS are used by IOL (inter operability lab)
- “shall” in the standard triggers mandatory requirement in PICS
- “may” in the standard triggers optional requirement in PICS
- Compatibility interfaces may be specified either at the electrical or physical level
- Compatibility interfaces are typically optional
- 802.17 compatibility interfaces are all currently between the MAC and the PHY
- System conformance test point: Any point in the implementation of the standard that can be externally tested for conformance

3:53 PM – 802.1D compliance and strict mode (MikeTakefman)

- No reorder or duplication is allowed
- Relaxed mode compliant with .1D? NO!!
- Standard can allow for relaxed mode, but strict mode is required

4:15 PM – Break and start at 4:30 for comment resolution

4:30PM to 11 PM – Comment resolution groups meet in three tracks

Please check

http://www.ieee802.org/17/documents/presentations/jan2003/ta_room_assignments_01.pdf
for details related to room and track assignments.

The WG group split up into sub-groups to resolve comments.

The output of those subgroups is recorded in the comment resolution database called: [FullCRD_19Nov2002.zip](#), located in the members' only area of the website at http://www.ieee802.org/17/member/draftballots/d1_1/index.htm.

Meeting minutes 01/14/03

WG group resolving comments in three separate tracks. Please refer to the room and track assignments above.

Meeting minutes 01/15/03

1:00 PM – Working group plenary convenes

1:03 PM – Motion to approve agenda 2003-1-15-02, M: Tom Alexander, S: Peter Jones passes unanimously

1:05 PM – 802.17 profile for X.msr (Mike Takefman)

- Check validity and assumptions with 802.17 and ITU-T SG7/17
- New annex for X.msr profile and changes to existing draft?
- Motions will be made to WG and discuss in march plenary meeting

1:19 PM – Editor's report

- Status of the ad-hoc comment resolution groups presented by editors of various clauses (Jason Fan, Glenn Parsons, Harry Peng, Bob Sultan, Chuck, Bob Castalleno, John Lemon)
- Clause 13 comment 1254, accepted unanimously by the WG
- Fairness AdHoc to meet in a month from now to study changes to conservative mode @ AT&T NJ
- Mac data path comment resolution
 - Comment 624 rejected unanimously (Commenter was not allowed to withdraw because of objection)
 - Comment
 - Comment 664, vote on two resolutions (need 75 % approval), comment is rejected
 - WG1- for :8, against:22, abstain:2, fails
 - WG2 – for:26, against:7, abstain:2, passes

3:22 PM – WG group recesses

3:23 PM – Ad Hoc to reconvene to resolve comments

Meeting minutes 01/16/03

8:30 AM – Agenda located

http://www.ieee802.org/17/documents/presentations/jan2003/jan_agenda_03.pdf

8:30 AM – Motion 2003-1-16-03, Approve the agenda, M: Bob Love, S: John Lemon, unanimous (Mike Takefman)

8:32 AM – Editors report (Tom Alexandar)

- Please refer to editors report at http://www.ieee802.org/17/documents/presentations/jan2003/ta_closing_rprt_01.pdf

9:26 AM – Clause 0, 2, 3, 4 CRG

- Comment 4 punted to WG
 - WG1: Y:12, N:1, A:12, passes

9:36 AM – Clause 1 summary

- 192 comments, 20 binding, 43 tech non-binding
- Comment 180

- WG1 – Y:19, N: 3, A:7, passes
- WG2 – Y:4, N: 6, A:10, fails
- Comment 2012, Withdrawn by Anoop

10:00 AM – Break

10:15 AM – OAM comment resolution (Glenn Parsons)

- Comment 2 (??), accept modified
- Comment 1420, Withdrawn by David James
- Comment 1232, ??
- Comment 1201, ??
- Comment 1491, Withdrawn by David James

10:48 AM – Motion 2003-1-16-04, M: Glenn Parsons, S: Leon Bruckman, passes unanimously

10:52 AM – Motion 2003-1-16-05, M: Glenn Parsons, S: Leon Bruckman, passes unanimously

10:53 AM – Motion 2003-1-16-06, M: David James, S: Harry Peng, passes unanimously

11:00 AM – Bridging comment resolution (Bob Castalleno)

11:05 AM – Motion 2003-1-16-07, M: Bob Castelano, S: Marc Holness, passes unanimously

11:07 AM – Fairness (Bob Sultan)

- MultiChoke comment 878 punted to WG, with recommendation to remove MC Fairness mechanism in standard
DVJ proposes editors note to resolve.
Nesdec – leave in
Technically binding – WG2 passes 26/3/4 – leave MC in standard
- Comment 939, apply WG1
 - WG1 – 29/1/3 (Y/N/A), passes
 - WG2 – 4/14/13, fails
- Comment 933
 - WG1 - Superseded by #939, passes unanimously

11:43 AM – Motion 2003-1-16-08, Fairness section, M: Bob Sultan, S: Necdet Uzun, passes unanimously

11:45 AM – Protection and Topology comment resolution report (Jason Fan)

- 12:00 AM – 1:00 PM lunch break
- 1:08 PM – reconvenes
- Comment 1066, unresolved, carried over
 - WG1 (weight TLV shall be mandatory) – 4/20/8, fails

- WG2 - 14/5/12, fails
- Comment 988, WG1 passes
 - WG1 – 20/5/7, passes
 - WG2 – 7/8/16, fails
- Comment 1011, comment carries
 - WG1 (defer to PAH) – passes unanimously by assent
- Comment 1067, WG2 passes
 - WG1 (one weight per station) – 3/10/19, fails,
 - WG2 (one weight per ringlet) – 20/1/9, passes
- Comment 1087, comment carries
 - WG1 – 9/20/6, fails
 - WG2 – 19/8/6, fails
- Comment 1098, WG1 passes
 - WG1 – 24/3/5, passes
 - WG2 – 4/18/5, fails
- Comment 1066, WG1 passes
 - WG1 – 19/5/7, passes
 - WG2 – 3/15/9, fails

1:59 PM – Motion 2003-1-16-09, Topology section CRG resolution, M: Jason Fan, S: Jim Kao, passes unanimously

2:02 PM – Moving forward on X.msr (Mike Takefman)

- Propose motion to move forward

2:07 PM – Motion 2003-1-16-10, X.msr adhoc group, M: Mike Takefman, S: Glen Parsons, passes unanimously

2:12 PM – PHY CRG update (Harry Peng)

- Comment 562, WG1 passes
 - WG1 (lower rate limit to 100Mbps) – 9/1/17, passes
 - WG2 - 3/9/14, fails
- Comment 569, carries over
 - WG1 – 12/8/13, fails
 - WG2 – 10/5/6, fails
- Comment 572, WG1 passes
 - WG1 – passes by unanimous acclaim
- Comment 2102, previously carried over comment is carried forward again
 - WG1 – 4/14/12, fails, carries over
- Comment 2103, withdrawn by Peter Jones
- Comment 581, WG1 passes
 - WG1 – Passes by acclaim
- Comment 574, WG1 passes
 - WG1 – Passes by acclaim

3:44 PM – Motion 2003-1-16-11, PHY CRG, M: Harry Peng, S: Tom Alexandar, passes unanimously

3:47 PM – MAC CRG update

4:06 PM - Motion 2002-11-14-25 is untabled and is on floor for further discussion

- Subsidiary motion is 2002-11-14-25a

4:10 PM – Motion 2003-1-16-25b, amend the motion 2002-11-14-25 by Bob Castalleno, M:Bob Castalleno, S: David James, Y: 7, N: 25, A:1, fails

4:24 PM – MAC CRG update continued

- Comment 259, WG2 applies
 - WG1 – 2/23/3, fails
 - WG2 – 24/1/3, passes
 - WG3 – 2/19/7, fails
- Comment 278, WG3 applies
 - WG1 – 11/13/4, fails
 - WG2 – 13/9/4, fails
 - WG3 – 24/0/2, passes
 - WG4 – 9/9/6, fails
- Comment 324, rejected
 - WG1 (reject) – 21/3/0, passes
 - WG2 (accept-modified) – 4/12/10, fails
- Comment 364, WG1 applies
 - WG1 – 20/3/3, passes
 - WG2 – 3/17/3, fails
 - WG3 – 3/15/3, fails
- Comment 365, withdrawn by Mike Takefman
- Comment 373, WG1 applies
 - WG1 – passes by acclaim
- Comment 386, WG1 applies
 - WG1 – 20/3/1, passes
 - WG2 – 3/14/3, fails
 - WG3 – 6/8/10, fails
- Comment 435, WG3 applies
 - WG1 – 5/19/2, fails
 - WG2 – 2/6/15, fails
 - WG3 – 19/6/2, passes
- Comment 465, WG2 applies
 - WG1 – 15/1/15, passes
 - WG2 – 2/9/19, fails
- Comment 467, WG1 applies
 - WG1 – passed by acclaim
- Comment 530, WG1 applies
 - WG1 – 22/3/2, passes

- WG2 – 3/9/10, fails
- Comment 542, WG2 applies
 - WG1 – 1/13/11, fails
 - WG2 – 11/2/13, passes
- Comment 614, WG3 applies
 - WG1 – 4/15/4, fails
 - WG2 – 14/11/3, fails
 - WG3 – 22/3/1, passes
- Comment 618, WG2 applies
 - WG1 -5/10/10, fails
 - WG2 – 18/4/3, passes
- Comment 634, WG1 applies
 - WG1 – passes by acclaim
- Comment 667, WG2 applies
 - WG1 – 3/17/7, fails
 - WG2 – 19/5/3, passes
- Comment 671, WG1 applies, ACCEPT-MODIFY
 - WG1 – passes by acclaim
- Comment 674, WG1 applies, REJECT-DUPLICATE
 - WG1 – 20/5/2, passes
 - WG2 – 5/16/6 , fails
- Comment 679, WG2 applies, REJECT-DUPLICATE
 - WG1 – 3/17/6, fails
 - WG2 – 21/2/5, passes
- Comment 680, Withdrawn by Leon Bruckman
- Comment 685, WG2 applies, REJECTED
 - WG1 – 2/16/5, fails
 - WG2 - ??, passes
- Comment 691, WG2 applies, REJECTED
 - WG1 – 1/16/6, fails
 - WG2 – 17/1/6, passes
- Comment 708, withdrawn by Anoop
- Comment 713, WG2 passes, REJECTED
 - WG1 – 5/18/3, fails
 - WG2 – 19/5/1, passes
- Comment 719, WG1 passes, ACCEPTED
 - WG1 – passes by acclaim
- Comment 759, withdrawn by David James, ACCEPT-DUPLICATE
 - WG1 – Passes by acclaim
- Comment 772, WG1 applies, REJECTED
 - WG1 –18/4/3, passes
 - WG2 – 5/18/3, fails
- Comment 1478, WG1 applies, REJECTED
 - WG1 – 18/0/8, passes
 - WG2 – 5/13/5, fails

- Comment 809, WG1 applies, REJECTED
 - WG1 – 18/0/8, passes
 - WG2 – 5/13/5, fails
- Comment 809, WG2 applies, REJECTED
 - WG1 – 4/19/3, fails
 - WG2 – 19/4/2, passes
- Comment 1449, WG1 passes, ACCEPT-MODIFIED
 - WG1 – passed by acclaim

7:41 PM – Motion 2003-1-16-12,MAC clause motion , M: John Lemon, S: David James, passes unanimously

7:43 PM – Motion 2003-1-16-13, Authorize D2.1, M: Tom Alexander, S: Jason Fan, passes unanimously

7:44 PM – Motion 2003-1-16-14, 802.17 standard include implementation profiles , M: Raj Sharma, S: Tom Alexander, passes unanimously

7:49 PM – Motion 2003-1-16-15,Comptability interfaces are optional , M: Tom Alexander, S: Raj Sharma, passes unanimously

7:52 PM – Motion 2003-1-16-16 , Motion to adjourn, M: Raj Sharma, S: Bob Love , passes unanimously

Detailed motions follow:

Date / Time: (mm/dd/yy hh:mm AM/PM) Motion #:

Moved By:

Seconded By:

Motion:

Move to adopt all resolutions to comments on the OAM Section, as resolved by comment resolution ad-hoc, including requests for contributions as necessary, and to grant editorial license for all unresolved editorial comments if any.

Type (Technical or Administrative):

75% needed to pass

Voting:

For: Against: Abstain (or Other type):

100.0% in favor

Result (Passed or failed):

Subsidiary Motions:

Date / Time: (mm/dd/yy hh:mm AM/PM) Motion #:

Moved By:

Seconded By:

Motion:

Move to adopt all resolutions to comments on Section 0 (global comments), as resolved by comment resolution ad-hoc, including requests for contributions as necessary, and to grant editorial license for all unresolved editorial comments if any.

Type (Technical or Administrative):

75% needed to pass

Voting:

For: Against: Abstain (or Other type):

100.0% in favor

Result (Passed or failed):

Subsidiary Motions:

Date / Time: (mm/dd/yy hh:mm AM/PM) Motion #:

Moved By:

Seconded By:

Motion:

Move to adopt all resolutions to comments on the Intro Section (Clauses 1, 2, 3, 4 and Annex A), as resolved by comment resolution ad-hoc, including requests for contributions as necessary, and to grant editorial license for all unresolved editorial comments if any.

Type (Technical or Administrative):

75% needed to pass

Voting:

For: Against: Abstain (or Other type):

100.0% in favor

Result (Passed or failed):

Subsidiary Motions:

Date / Time: (mm/dd/yy hh:mm AM/PM) Motion #:

Moved By:

Seconded By:

Motion:

Move to adopt all resolutions to comments on the Bridging Section, as resolved by comment resolution ad-hoc, including requests for contributions as necessary, and to grant editorial license for all unresolved editorial comments if any.

Type (Technical or Administrative):

75% needed to pass

Voting:

For: Against: Abstain (or Other type):

100.0% in favor

Result (Passed or failed):

Subsidiary Motions:

Date / Time: (mm/dd/yy hh:mm AM/PM) Motion #:

Moved By:

Seconded By:

Motion:

Move to adopt all resolutions to comments on the Fairness Section, as resolved by comment resolution ad-hoc, including requests for contributions and authorization of an ad-hoc as necessary, and to grant editorial license for all unresolved editorial comments if any.

Type (Technical or Administrative):

75% needed to pass

Voting:

For: Against: Abstain (or Other type):

100.0% in favor

Result (Passed or failed):

Subsidiary Motions:

Date / Time: (mm/dd/yy hh:mm AM/PM) Motion #:

Moved By:

Seconded By:

Motion:

Move to adopt all resolutions to comments on the Topology Section, as resolved by comment resolution ad hoc, including requests for contributions as necessary, and to grant editorial license for all unresolved editorial comments if any.

Type (Technical or Administrative):

75% needed to pass

Voting:

For: Against: Abstain (or Other type):

100.0% in favor

Result (Passed or failed):

Subsidiary Motions:

Date / Time: (mm/dd/yy hh:mm AM/PM) Motion #:

Moved By:

Seconded By:

Motion:

Move to create an X.msr Adhoc Group to study and recommend to the working group the method for aligning P802.17 as a MAC for ITU-T Q7/17 X.msr at the March plenary. The Adhoc group to format any text using a format consistent with annexes in Draft P802.17-D2.0.

Type (Technical or Administrative):

50% needed to pass

Voting:

For: Against: Abstain (or Other type):

100.0% in favor

Result (Passed or failed):

Subsidiary Motions:

Date / Time: (mm/dd/yy hh:mm AM/PM) Motion #:

Moved By:

Seconded By:

Motion:

Move to adopt all resolutions to comments on the PHY Section, as resolved by comment resolution ad-hoc, including requests for contributions as necessary, and to grant editorial license for all unresolved editorial comments if any.

Type (Technical or Administrative):

75% needed to pass

Voting:

For: Against: Abstain (or Other type):

100.0% in favor

Result (Passed or failed):

Subsidiary Motions:

Date / Time: (mm/dd/yy hh:mm AM/PM) Motion #:

Moved By:

Seconded By:

Motion:

To reconsider motion 25 from the November meeting

Type (Technical or Administrative):

75% needed to pass

Voting:

For: Against: Abstain (or Other type):

100.0% in favor

Result (Passed or failed):

Subsidiary Motions:

reconsidered motion # 26 from Nov 2002

Date / Time: (mm/dd/yy hh:mm AM/PM) Motion #:

Moved By:

Seconded By:

Motion:

Incorporate proposed control bit encodings from frame_adhoc_02.pdf, slide 6 into the current draft. Allows (so, ps, and ff) bits defined in MH_flood_overview.pdf to be located in RPR control header. This allows ext_control defined in D2.0 to have 7 control bits.

Type (Technical or Administrative):

75% needed to pass

Voting:

For: Against: Abstain (or Other type):

21.9% in favor

Result (Passed or failed):

Subsidiary Motions:

reconsidered motion # 26 from Nov 2002

Date / Time: (mm/dd/yy hh:mm AM/PM) Motion #:

Moved By:

Seconded By:

Motion:

Move to adopt all resolutions to comments on the MAC Section, as resolved by comment resolution ad-hoc, including requests for contributions and authorize any ad-hocs as necessary, and to grant editorial license for all unresolved editorial comments if any.

Type (Technical or Administrative):

75% needed to pass

Voting:

For: Against: Abstain (or Other type):

100.0% in favor

Result (Passed or failed):

Subsidiary Motions:

Date / Time: (mm/dd/yy hh:mm AM/PM) Motion #:

Moved By:

Seconded By:

Motion:

Move to authorize Chief Editor and Editors to create P802.17/D2.1 based on P802.17/D2.0 and the instructions contained within those comment resolutions and motions that have been formally approved at the January 2003 meeting in Atlanta, GA and to circulate it for a 15-day comment period.

Type (Technical or Administrative):

75% needed to pass

Voting:

For: Against: Abstain (or Other type):

100.0% in favor

Result (Passed or failed):

Subsidiary Motions:

Date / Time: (mm/dd/yy hh:mm AM/PM) Motion #:

Moved By:

Seconded By:

Motion:

Moved that the 802.17 Standard include implementation profiles in the form of either flowcharts or tables that will allow implementers to choose options available in the standard, understand inter-dependencies, and identify PICS entries applicable to the selected options.

Type (Technical or Administrative):

75% needed to pass

Voting:

For: Against: Abstain (or Other type):

100.0% in favor

Result (Passed or failed):

Subsidiary Motions:

Date / Time: (mm/dd/yy hh:mm AM/PM) Motion #:

Moved By:

Seconded By:

Motion:

Move that the draft states that the compatibility interfaces specified for the 802.17 RS (I.e., GMII, XGMII, XAUI, SPI-3, SPI-4.1 and SPI 4.2) are optional

Type (Technical or Administrative):

75% needed to pass

Voting:

For: Against: Abstain (or Other type):

100.0% in favor

Result (Passed or failed):

Subsidiary Motions:

Date / Time: (mm/dd/yy hh:mm AM/PM) Motion #:

Moved By:

Seconded By:

Motion:

To adjourn

Type (Technical or Administrative):

50% needed to pass

Voting:

For: Against: Abstain (or Other type):

100.0% in favor

Result (Passed or failed):

Subsidiary Motions:
