

IEEE 802.17 Draft 2.1  
**OAM Comment Resolution**  
Dallas, TX - March 2003

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Technical Editors: Leon Bruckman, Gal Mor

# RPR OAM

- Met in 1 sessions (4 hours) for:
  - 35 technical binding
  - 27 technical non-binding
  - 51 editorial
- Did not deal with Editorials
  - Will ask for editorial license
- Punted comments to WG
- Comments resolved awaiting IETF input
- Highlight of CRG resolutions

# OAM Comments Summary

• Clause 12: OAM		Technical done
– Technical binding	24	
– Technical non-binding	9	
– Editorial	36	
• Annex L: Continuous Echo		Technical done
– Technical binding	1	
– Technical non-binding	1	
• Clause 13: Management		Technical done
– Technical binding	4	
– Technical non-binding	1	
– Editorial	8	
• Annex D: MIB		Technical done
– Technical binding	6	
– Technical non-binding	6	
– Editorial	7	

- Clause 12
  - 793/794 - REVERSE option for echo
    - Recommend acceptance since it does not require the user to indicate the ringlet and is not dependent on the peer.
  - 781 - Alarm severity
    - Identify: critical, major, minor, informational? Does this trigger a protection event and where does it fit in the hierarchy?
  - 832/833 - OUI vs EUI
    - Recommend to adopt IEEE/RAC EUI-64 for all vendor dependent identification (12.5.3.3 & 10.3.2.6)
- Annex L
  - 988 - time of day
    - Does not belong in Annex L
  - 987 - flush
    - Generalize title of annex to be like 'OAM applications' and add flush to transition between wrap and steer.

- Annex D
  - 909 - ifPromiscuous
    - Concern that promiscuous mode as defined in the Interface MIB does not strictly apply to RPR.
    - There are 3 options:
      - always false - RPR MAC never accepts unicast addresses other than to itself when unicast is on local ring
      - always true - RPR MAC as a function of transit path always deals with every packet regardless if it is delivered to a local client
      - true - bridge relay client attached and the RPR MAC accepts unicast to self, multicast, remote unicast marked with floodbit ; false - otherwise
  - 916 - MIB index
    - Is it suggested that we use indexing where all tables contain their own indexes or tables using indexes defined in other tables (e.g., ifIndex)?

# Clause 12 Highlights

- Neighbour inconsistency check
- Add state machines for echo operation
- reorganize code points
- PICS clean up
- List MIB attributes
- Resolve overlap with Clause 1
- Align figures with Clause 8
- Various text clarifications

# Clause 13 Highlights

- Add PICS
- Define async events passed to SME
- RPR oper state down clarification
- Add comparison of ICMP & ping
- Various text clarifications

# Clause D Highlights

- Reformat table
- Clarify various text & formatting
- DEFVAL clauses to be added
- Fairness is boolean
- MIB Editor to work with editors on list of MIB variables □ for cross-reference to clauses



# Ongoing review Issues

- OAM Editors need some extra time at the end of the draft writing to align the MIB cross-references
- IETF MIB experts will be informed of the disposition of their comments and continue to be offered to provide comments on future WG ballots