

Summary of the Comment Resolution Ad-hoc for Clause 9—MAC Fairness of P802.17/D1.0

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Statistics

	Technical, Binding	Technical, Non-binding	Editorial	Total
Accepted	0	10	0	10
Accepted-Modified	3	15	0	18
Accepted-Duplicate	1	4	0	5
Accepted-Clarified	0	1	0	1
Withdrawn	0	2	0	2
Editor to resolve	0	0	28	28
Total	4	32	28	64

- Clarification of definitions, clarifying the algorithm, clarifying portions of the text
- #438, #445
 - Processing of MC_FCM message on wrapped node is not specified
 - FAH to discuss this
- #422
 - Provide explanation for what user can expect from conservative and aggressive modes
 - Contributions to be solicited

Summary of Accepted Comments (2)

- #420
 - Ranges of variables are not well-defined
 - Necdet to prepare a a contribution for this
- #418
 - Advertisement_interval should be a ratio
 - Definition will be changed as follows:
 - advertisement_interval: The interval at which FCMs are sent.
(sizeof(FCM)) / (LINK_RATE*advertisement_ratio)
 - advertisement_ratio: Configured. The ratio of link bandwidth used for FCMs to total link bandwidth. Default is .00125.
 - This interval should be less than the aging_interval and greater than 1MTU interval

- #419

- Need to add explanation of rationale behind default values for advertisement_interval and aging_interval
- The following “Note” to be added:

Default values of advertisement_interval and aging_interval were selected to be (A) large enough so that (1) the bandwidth overhead required for control is small ($\ll 1\%$), (2) processing requirements are not excessive with respect to current technology, and (3) and queuing requirements are not excessive with respect to current technology; and (B) small enough to allow the fairness algorithm to converge. The aging_interval must be the same across all nodes in the ring. However, the advertisement interval may be different across nodes as long as it meets the requirements outlined in the resolution for comment #418.

Summary of Accepted Comments (4)

- #410, #457
 - Usage, and therefore calculation, of `active_stations` should be optional
 - Use and calculation of number of `active_stations` is optional. Text should explain how algorithm works without this number as:

If `active_stations` is not used in conservative mode a value between $\text{unreserved_rate} / (\text{max_stations} * \text{WEIGHT})$ and $\text{unreserved_rate} / \text{WEIGHT}$ may be advertised as initial estimate of the `local_fair_rate` instead of using `active_stations` in `local_fair_rate` calculation.

Withdrawn Comments

- #454
 - Provide a better method to compute the number of active stations
 - Withdrawn by commenter
- #417
 - `add_rate_congested` and `add_rate_ok` are not currently inputs to the `sendC` signal defined in clause 6
 - Sufficient description is already provided

Comments to be Resolved by Editor

- Editor to request license from the WG to resolve 28 editorial comments