



Fairness Open Issues

Clause 9 Editors



Clause 9 issues for FAH

- #422 Ad-hoc: Simulation data for a few scenarios in Annex I can be provided for the default parameters associated with "aggressive" and "conservative" modes so the user can associate some concrete performance metrics with these different modes. Contributions will be solicited.
- #411 Action item - code should be updated to reflect the use of `active_weights` - the exact update is still under discussion.



Clause 9 issues for FAH

- #438 Add description of MC_FCM message processing on wrapped node.
- #456 The calculation of TTL_to_congestion is wrong if the fairness packet is traveling on the wrong RID. Necdet to work with Gal and Anoop to resolve this issue and submit a new comment with the resolution. #445 The multi-choke fairness, as conceived within Darwin, is basically flawed and unfixable. Its not possible to rely on the client to police its traffic based on distance, as that has to be done in the MAC to avoid cheating.



Clause 9 issues for FAH

- #459 "... && ((STQ_depth == 0) \\ upstream stations are not in need
|| (fw_rate > add_rate)) \\ upstream stations are not starved..." This condition may starve the local station: If the upstream stations have low rate of FE packets to transit through the local station then (STQ_depth != 0) and (fwd_rate < add_rate)
In this case, the add_rate_ok will be false and the local station will be chocked even if the ring has enough bandwidth for both add_rate+fwd_rate. Necdet and Anoop will work with Gal and explain why it will not create starvation for the client. If Gal is not satisfied he will be urged to submit a new comment.