

RMCAT evaluation test cases

draft-sarker-rmcat-eval-test-01, updates

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Editorial changes

- Re-structured the draft
 - Avoid repeating common section with almost same text
 - Now there is a separate recommended settings section
 - Re-ordered test cases to logically group them together
- Inclusion of sections from rmcats-eval-draft
- Added Appendix to include
 - Jitter model (new)
 - Loss model
 - Additional test settings

Current test order

- Time varying path capacity with single flow (new test case)
- Time varying path capacity with multiple flows
- Congested feedback link
- Multiple competing RMCAT flows with same RTT
- Multiple competing RMCAT flows with different RTTs
- Competing long TCP flows
- Competing short TCP flows
- Media pause and resume

Test case changes (1/2)

- Clarification for bi-directional flows in the test.
 - Media flows on both direction
 - impairments are imposed in only on forward path
- The test cases have jitter + re-ordering of the media packets
 - Not applied to the TCP flows.

Test case changes (2/2)

- Added 20 kbps of CBR audio media in all test cases
- Start bitrate for the test case = 200 kbps
 - In addition smarter starting points can be tested.
- Only one RTT is recommended for basic test case (100ms)
 - In addition, it is encouraged to run tests with other values (added in the appendix).

Misc. issues

- Congested feedback path
 - Do we need a test case where we put explicit impairments to observe the effect?
- Do we need to define path capacity variation relative to initial capacity?
 - Currently we define with fixed number and fixed timeline.

Potential test cases

- ECN usage testcase moved to potential test case section
- Added Multiple Bottlenecks test case (Bus stop topology)
- Introduction of AQM related test cases?

Next step

- Should we adopt this document as WG item?

RMCAT Cellular test cases

draft-sarker-rmcat-cellular-eval-test-cases-01

- Minor editorial changes
- More inline with the structure defined in
 - draft-sarker-rmcat-eval-test-01
- WG adoption?