

Update on draft-ietf-tcpm-alternativebackoff-ecn-01

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Changes since -00

- Text improved, mainly incorporating comments from Stuart Cheshire
- The reference to a technical report has been updated to a published version of the tests

N. Khademi et al., "*Alternative Backoff: Achieving Low Latency and High Throughput with ECN and AQM*", IFIP NETWORKING 2017 (Best Paper Award).

- Used "AQM Mechanism" throughout
- Clarification on the intended purpose of the experiments required by EXP status
- *No changes to the technical content*

Implementation

- Early FreeBSD Implementation by Grenville Armitage:
 - <http://heim.ifi.uio.no/~naeemk/research/ABE/diff-0d38090e881d-newrenoVB-7jan15.txt>
- Brought up to date by Tom Jones (last week)
- Submitted to FreeBSD upstream:
 - https://bugs.freebsd.org/bugzilla/show_bug.cgi?id=220677
- Patches for Linux are [available](#)

Next steps

- We won't add SCTP ABE support to this draft, but rather provide general guidance to say this method RECOMMENDS this to be a part of a design for any transport protocol that implements a window-based reduction to ECN marked congestion.
- We therefore leave detailing of the methods for SCTP to any future draft that specifies ECN.