

Revised CUBIC

IETF 111

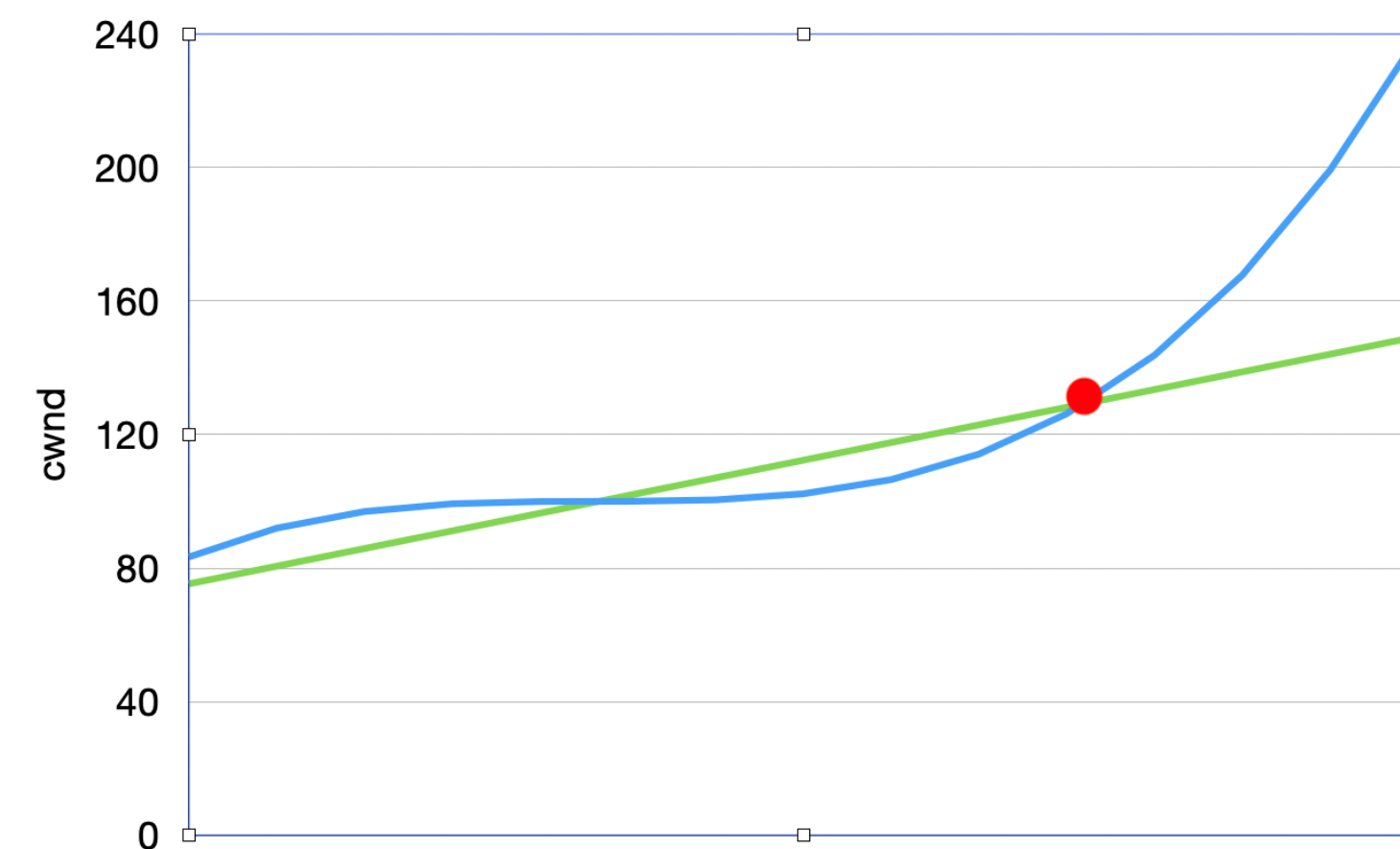
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Recap - CUBIC updates

- Updated definition of K to use $cwnd_{start}$
- Upper and lower bound for CUBIC window
- Instead of time, increase W_{est} based on segments acknowledged
- Set $\alpha_{aimd} = 1$ after $W_{est} \geq W_{max}$
- Address spurious losses
- Differences from the original CUBIC research paper and more

Recent changes

- Mention CUBIC as de facto standard; QUIC, SCTP
- Introduce α_{cubic} to replace α_{aimd}
- Guidance for using bytes and that segments are in decimal
- Clarification of AIMD equation for ABC and Delayed ACK
- Loss events by RACK-TLP and QUIC
- Minor clarification for convex region



Next steps

- Addressed all WGLC comments
- Requesting chairs to conclude WGLC and request publication