

# RFC5033bis Overview

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IETF 119

# Goals: update proposal criteria to reflect...

- The 2024 Internet
- Proponents that can deploy and test at global scale
- Current standards have bad habits; conservatism perpetuates those habits

And just make it less painful

# Non-goals

- A congestion control tutorial
- A cutting-edge, innovative document
- Create barriers to approaching the IETF

*“This document is meant to reduce the barriers to entry for new congestion control work to the IETF. As such, **proponents ought not to interpret these criteria as a checklist of requirements before approaching the IETF.** Instead, proponents are encouraged to think about these issues beforehand, and have the willingness to do the work implied by the remainder of this document.”*

- Multicast
- AQM

## Sec 2. Experimental vs. PS

- No internet-scale deployment = SHOULD be Experimental
- internet-scale deployment = MAY go for PS
- Experimental SHOULD NOT be the default, SHOULD be measured when enabled

## 3.1 Single-Algorithm Criteria

- Congestion Collapse
- Bufferbloat
- Self-fairness
- new/short-lived flows

## 3.2 Mixed Algorithm Criteria

- General-purpose CCs: not strict Reno- and Cubic- fairness
- Real-time CCs – this is hard to nail down
- Short/Long flows

## 4. Mandatory Scenarios: General Internet cases

- Tail-drop queues
- Wired paths
- Wireless paths
- Tunnels

## 5. Special Cases

- AQM
- Varying Delay
- IoT
- High Delay
- Misbehaving Nodes
- Packet Reordering
- Transient Events
- Sudden Changes in the Path
- Multipath



# Status

WGLC complete, but still accepting comments

What's still out there? Should we proceed?