Next Steps for CCWG
Why specify new CCs?

A specification can help implementers, operators, and other interested parties to develop a shared understanding of how the algorithm works and how it is expected to behave in various different scenarios or configurations.

A specification can help potential contributors understand the algorithm, which can make it easier for them to suggest improvements and/or identify limitations. Further, the specification can help multiple contributors align on a consensus change to the algorithm.

A specification that is accessible to anyone circumvents the issue that some implementors may be unable to read open source reference implementations due to the constraints of some open source licenses.
Criteria

1. Empirical evidence of safety
2. Stated intent to deploy by major implementations
## Pathways to Publication

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Pathways to Publication

**IETF CCWG**

- Benefit from and willing to update based upon IETF/IRTF review
- Empirical evidence of safety
- Stated intent to deploy by major implementations

**IRTF ICCRG**

- Incubation
- Less mature

**Independent Stream**

- Existing algorithms that aren’t going to change based on IETF review
Future Work

New congestion control algorithms

Updating existing specifications to reflect reality

Congestion related topics
  - Delay, queueing, pacing, multipath, cross-layer interactions
Future Work

New congestion control algorithms

- BBRv3
- Prague
- HPCC++
- SCReAMv2

Updating existing specifications to reflect reality

- Rate-limited senders
- Reno
Charter