

# Non Queue Building (NQB) Per Hop Behavior

[draft-ietf-tsvwg-nqb-26](#)

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# Status

- Individual draft-00 submitted October 22, 2018
- WG draft-00 submitted November 17, 2019
- First WGLC November 2, 2022 – Feb 22, 2023
- Draft-23 Completed Second WGLC: June 10, 2024
- Intdir Early Review Received: June 23, 2024
- Draft-26 Completed Consensus Call November 2, 2024
  
- Milestone: Submit as Proposed Standard RFC by November 2024
  
- Deployment: Comcast started a Field Trial of the NQB PHB in October 2023 and announced NQB interconnection in Feb 2024

# Draft-24 → Draft-26 deltas

- Clarify language around incentives & usage of “prioritization”
- Allow that RFC8100 interconnects might want to re-mark traffic (§4.4)
- Fixes an issue in the tunnels section (§4.5)
- Add a PHB requirement to provide usage statistics (§5.1)
- Add a recommendation that NQB capacity be provided on a per-user basis (§5.1)
- Add a paragraph to strongly support the “SHOULD implement traffic protection” statement (§5.2)
- Delete the paragraph that talks about situations where traffic protection might not be needed (§5.2)
- Edits in the Wi-Fi section (§7.3)
  - Clarify discussion about ISP re-marking
  - Clarify discussion about incentives for mis-use
- Add a paragraph describing the disincentive for misuse that is provided by a shallow NQB queue (§10)

# Next Steps

- Add one sentence in §7.3, per consensus call discussion
- Remove Sebastian Moeller from the Acknowledgements section
- Doc shepherd (Gorry) review and write-up requesting publication