

Non Queue Building (NQB) Per Hop Behavior

[draft-ietf-tsvwg-nqb-22](#)

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March 18, 2024

Status

- First WGLC November 2, 2022 – Feb 22, 2023
- Drafts -15 thru -21 published in 2023
- Draft-22 published Feb 16
- Milestone: Submit as Proposed Standard RFC by December 2023

Draft-22 deltas

- Detailed review done by Bob Briscoe in preparation for final WGLC
 - <https://mailarchive.ietf.org/arch/msg/tsvwg/XPehj4puGc4Yo2EK2NrKfW5FcHI/>
 - Technical comments
 - Need a requirement for NQB PHB to limit burstiness
 - **DONE: new section 5.3 added.**
 - Recommendations regarding **Interoperability with Non-DS-Capable Domains**
 - There are 3 options provided: re-mark all NQB to 0 (primary recommendation), use traffic protection and only re-mark offending traffic, use traffic protection and drop offending traffic. Drop should be discouraged. Selective re-marking should be the preferred option.
 - **DONE: Agreed to discourage drop. Reworked the other two options to be on equal footing.**
 - **Traffic Protection**
 - It isn't clear that traffic protection is intended to be implemented locally at the PHB node.
 - Confusingly, policing at the ingress edge is also discussed in this section.
 - More clarity needed on distinction between traffic protection and traffic conditioning.
 - Add re-classification without re-marking as a third possible action
 - Other minor wording changes.
 - **DONE: significant clarifications and adjustments made in section 5.2**
 - 50+ nits
 - **Resolved on Dec. 20**
 - See: <https://mailarchive.ietf.org/arch/msg/tsvwg/RtsedvHP8CJJQbrzHaFVxUkH2aU/>

Draft-22 status

- This draft includes:
 - All changes arising from WGLC comments
 - All changes arising from post-WGLC comments
- All issues in the GitHub issues tracker are closed
 - <https://github.com/gwhiteCL/NQBdraft/issues>

Next Steps

- Begin final WGLC