Non Queue Building (NQB) Per Hop Behavior
draft-ietf-.tsvwg-nqb-21

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Status

- Draft-14 published October 24, 2022
- WGLC started November 2, 2022
- Draft-15 published January 11
- WGLC ended February 22
- Draft-16 published March 13
- Draft-17 published March 25
- Draft-18 published July 10
- Draft-19 published July 26
- Draft-20 published October 18
- Draft-21 published Nov 7
- Milestone: Submit as Proposed Standard RFC by December 2023
Draft-20 deltas (sent to list on Oct 18)

- Minor editorials (say "microflow" when we mean microflow, and "application" when we mean application, spelling corrections, etc).

- Add mention in [https://www.ietf.org/archive/id/draft-ietf-tsvwg-nqb-20.html#section-4.3](https://www.ietf.org/archive/id/draft-ietf-tsvwg-nqb-20.html#section-4.3) to indicate that a dual queue (Default and NQB) node may provide performance similar to EF (per the mailing list discussion).

- Discuss handling of rate-limits and guarantees (if such are provided to the Default PHB), provide hierarchical QoS configuration suggestion, and say "equal" instead of "fair" in the PHB requirements section [https://www.ietf.org/archive/id/draft-ietf-tsvwg-nqb-20.html - section-4.1](https://www.ietf.org/archive/id/draft-ietf-tsvwg-nqb-20.html - section-4.1). Note, this introduces one new requirement statement.

- Rework the description of Default queues in typical access nodes in [https://www.ietf.org/archive/id/draft-ietf-tsvwg-nqb-20.html#section-5.1](https://www.ietf.org/archive/id/draft-ietf-tsvwg-nqb-20.html#section-5.1)


- Be specific about the mapping of DSCP to UP for Wi-Fi, to be consistent with RFC8325, in [https://www.ietf.org/archive/id/draft-ietf-tsvwg-nqb-20.html - section-7.3](https://www.ietf.org/archive/id/draft-ietf-tsvwg-nqb-20.html - section-7.3). Note, this introduces two new recommendations.

- Add a note in [https://www.ietf.org/archive/id/draft-ietf-tsvwg-nqb-20.html#name-security-considerations](https://www.ietf.org/archive/id/draft-ietf-tsvwg-nqb-20.html#name-security-considerations), that detailed security considerations for network technologies defined by other SDOs are not included in this document

- Much re-working of the text in [https://www.ietf.org/archive/id/draft-ietf-tsvwg-nqb-20.html#appendix-B](https://www.ietf.org/archive/id/draft-ietf-tsvwg-nqb-20.html#appendix-B) describing the comparison of NQB and EF.
Draft-21 deltas

• Added Rüdiger Geib as co-author
• Updated contact info for Thomas
• s/WiFi/Wi-Fi/g
Draft-21 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?