

A Lower Effort Per-Hop-Behavior draft-bleess-tsvwg-le-phb-00

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Motivation

- First idea around since 1999 (lower than best-effort PHB draft-bless-diffserv-lbe-phb)
- Main objective: **protect best-effort** traffic from **Lower Effort (LE)** traffic
 - LE for low priority background traffic, e.g., backups, web crawler, software updates and OS upgrades
 - Easy to deploy: no parameters, no traffic conditioning necessary, no trust issues
 - Internet-2 came up with QBone Scavenger Service 2001
- After some discussion in DiffServ WG: **RFC 3662** „A Lower Effort Per-Domain Behavior for Differentiated Services“ (2003)

Why again?

- Wrong choice of DiffServ Codepoint (DSCP)
 - RFC 3662 suggested to re-use AF PHB or CS-1 (Class Selector 1) – normally (by RFC 2474) means better than Best-Effort (BE)
 - RFC 4594 recommended to use CS-1
- Unclear whether CS-1 is actually treated better or worse than BE in a DS domain
- Issues came up with
 - RTCweb QoS Draft: [draft-tsvwg-rtcweb-qos](#)
 - DiffServ Intercon Draft: [draft-tsvwg-diffserv-intercon](#)

Actions...

- I-D rephrases RFC 3662 as Per-Hop Behavior
- I-D allocates a dedicated DSCP for LE, e.g., **000010**
 - Removes ambiguity
- Would update RFCs 3662, 4594
- Maybe very late changes to
 - draft-ietf-tsvwg-rtcweb-qos
 - draft-ietf-tsvwg-diffserv-intercon
- Will correct, revise and submit v01 draft