IPv6 Hop-by-Hop Options Processing Procedures

<draft-ietf-6man-hbh-processing-06>

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Overview

- Changes from -04 to -05 draft
- Changes from -05 to -06 draft
- Next Steps
Changes -04 to -05 draft

Editorial:

- Made a definition for "Full Forwarding Rate"!
- Noted *potential reordering* when forwarded over different processing paths.
- "Nodes **SHOULD process** the Hop-by-Hop Option header. If the node does not process the Hop-by-Hop Option header, it **MUST forward the packet normally.**"
- "Straight forward to process. That is, new Hop-by-Hop options **SHOULD be designed** to ensure the node can process the options at the full forwarding rate (e.g., on the router's Fast Path)."

- Editorial improvements by editors and others.
Changes -05 to -06 draft

Editorial:

- Added REF to RFC6564 (discussed in RFC8200).
- Fixed references.
Usefulness of HBH Options

- Some paths do support HBH Options.
- However, many currently drop packets with a HBH EH.
- Limiting the size of the EH improves traversal.
- draft-ietf-6man-hbh-processing would seem to help.

See IEPG talks at IETF-115, IETF-116 for more details.
Next Steps

- EH Limits drafts should continue to define *total EH limits*
- We did not see more comments on HBH Processing
- WGLC?
QUESTIONS / COMMENTS?

https://github.com/ietf-6man/hbh-processing/issues