Recommendations on filtering of IPv6 packets containing IPv6 Extension Headers
(draft-gont-opsec-ipv6-eh-filtering-00)

Fernando Gont
Will Liu
Ron Bonica

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Overview

- This document is an IPv6 version of RFC7126

- Summarizes security and operational implications of:

    - IPv6 Extension Headers

    - IPv6 options

- Provides operational advice on how to filter such IPv6 packets

Changelog

- Clarify that we assume that the rules in RFC 7045 have been applied first

- Regarding HBH options:
    - Pass if they can be processed on the fast-path
    - Otherwise, rate-limit (if option is available),
    - As a last resort, drop them

- Note that we're providing advice wrt operational configurations
    - (rather than changing the implementation defaults)

TODO List

- May produce a table that summarizes our advice

- Complete sections that are currently just placeholders

- Have we missed anything?