

Update on draft-ietf-opsec-v6-10.txt

Kiran Kumar Chittimaneni

Merike Kaeo

Eric Vyncke

Issues Fixed from June 2016 Threads

- Grammar issues and spelling errors corrected
- Added links to provide more explicit references
- Consistent uppercase/lowercase used for acronyms
- Corrected a reference in Section 5 (RFC6092 in place of RFC7084)
- Updated all references to latest documentation versions
- Explicit language added to replace any TBDs

New Extension Header Text (2.2)

- Herd mentality of dropping packets with extension headers will break end-to-end connectivity
- Added explicit text to show that EH is used in operational networks
 - EH operational aspects
 - Order and Repetition
 - Hop by Hop EH
 - DoS/DDoS Aspects
 - Fragmentation EH
 - Stateless filtering bypass

External Security Considerations (3.1)

- Added specific language to address current WIP on EH filtering as well as the new language in this draft
 - *“Filter specific extension headers by accepting only the required ones (white list approach) such as ESP, AH (not forgetting the required transport layers: ICMP, TCP, UDP, ...) , where possible at the edge and possibly inside the perimeter; see also [I-D.gont-opsec-ipv6-eh-filtering]”*
 - *“Filter packets having an illegal IPv6 headers chain at the perimeter (and possible inside as well), see Section 2.2”*

Next Steps

- Thank you Markus and Fred for extensive review in June 2016
- Ready for Last Call?

