

IETF Last Call Summary

rfc2460bis, rfc4291bis, rfc1981bis

rfc4443, rfc3595

Background

- There were five documents in total that were last called in this set being elevated to Internet Standard
 - Three updated versions of RFCs
 - RFC2460bis
 - RFC4291bis
 - RFC1981bis
 - Two RFCs were being elevated in place (i.e. no changes)
 - RFC4443
 - RFC3595

2460bis Status

- This draft was extensively discussed during IETF Last Call (Thanks to everyone who commented)
- The discussion was mainly focused around the text in Section 4 regarding handling of extension headers
- There were a wide range of opinions on the topic
 - People arguing that an explicit prohibition is not necessary as the text is already clear
 - People arguing that explicitly listing the prohibitions will minimize any misunderstandings in the future
 - People arguing that header insertion should be explicitly allowed and described
- Overall, no one argued against the fact that the intent of the text in RFC2460 was to forbid insertion of extension headers on any other node but the source of the packet.
- A new version of this draft will be published with the clarifying text regarding header insertion and deletion
 - It will be placed under IESG evaluation

4291bis Status

- The discussion was mainly focused on the 64-bit boundary in IPv6 addressing and the associated text in Section 2.4
 - Thanks to everyone who commented and special thanks to those who provided text suggestions
- There seems to be a strong divide between parts of the community on whether this restriction should stay or be relaxed/removed.
- Looking at the viewpoints expressed and how wide apart they are, it has become clear that there is a lack of consensus to advance the current draft as Internet Standard
- I will be returning this document to the 6man WG to continue discussion

1981bis Status

- This document received a few extensive reviews (Thanks!!!)
- There were two classes of issues brought up
 1. ICMPv6 messages cannot be relied upon since they are extensively filtered on the Internet
 2. The Internet has changed since RFC1981 came out. We need to make changes to this to stay relevant (e.g. ECMP)
- The discussion is still(!) ongoing to see if there are any text changes possible that can resolve the concerns raised *without breaking existing implementations*

Next steps

- RFC2460bis, RFC4443 and RFC3595 are all going to IESG evaluation and will be discussed on the next (April 13 2017) telechat.
- RFC4291bis will not be progressed now and will be returned to the 6man working group to continue discussion
- RFC1981bis situation is still evolving and will become clear over the next few days