

rfc3376bis and v2 querier
fallback

igmpv3/mldv2 bis status

- We have been working on progressing igmpv3 and mldv2 to Internet Standard for some time. One issue raised by Toerless during WGLC. Several people commented on this.
- If there is an older version querier, everyone falls back to using an older version, disrupting SSM.
- 7.3. Multicast Router Behavior
 - 7.3.1. In the Presence of Older Version Queriers
 - IGMPv3 routers may be placed on a network where at least one router on the network has not yet been upgraded to IGMPv3. The following requirements apply:
 - If any older versions of IGMP are present on routers, the querier MUST use the lowest version of IGMP present on the network. This must be administratively assured; routers that desire to be compatible with IGMPv1 and IGMPv2 MUST have a configuration option to act in IGMPv1 or IGMPv2 compatibility modes.

What to do next?

- Do nothing
 - Automatic fallback may be less of an issue as IGMPv3 support becomes more common.
- Proceed with 3376 bis and deal with this in a new document
- Add text to 3376 bis recommending new behavior
 - This may be OK since current implementation would be compliant even if they don't follow the recommendation.
- Add text to 3376 bis mandating new behavior
 - Our goal is to move to Internet Standard. This may not be possible if current 3376 compliant implementations become non-compliant.