Internet Multicast Addressing Architecture

draft-ietf-mboned-addrarch-05.txt

Pekka Savola, CSC/FUNET
AD review issues - summary

- Issue summary mails on the list: Dec 20th, Jan 19th

- Major issue on IANA policy preferences
  - Unable to agree whether to tighten IANA policy or not
    - Attempts to resolve have always died off
  - Is this problem worth solving?
    - Lots of energy and time will be spent
    - Will delay the doc 1-2 years
    - Now some new hope: eGLOP, IPv4-unicast-prefix-based
    - Alternative: keep going as before and revisit the issue every two years
The impact of this doc on IANA policies

- The draft implies IANA policies should be different
  - E.g., no big allocations to networks; tightened assignment policy
- The draft doesn’t explicitly request changing policies though
- Options (possible policies in the next slide)
  - no change to IANA policy (and reword the draft)
  - change IANA policies
  - change (create) IANA designated expert guidelines

(Changing policies/guidelines either here or at RFC3171bis)
IANA assignment policies (if changed)

- If/when eGLOP + IPv4 unicast-prefix-based is available, change IANA policy to:
  - 224.0.0.0/24 ("local network control"): Specification Required + Expert Review?
  - 224.0.1.0/24 ("internetwork control"): Specification Required + Expert Review?
  - 224.0.{2-255}.0/24 ("adhoc"): Specification req., Expert Review; maximum 1 address per assignee
  - The rest of 224.0.0.0/8: IETF Consensus?

- Is this too complex? Simpler solutions?

- Goal: retain the ranges for IETF, other SDO use and other cases where interoperability is important.

- Process issue: Do it here or in RFC3171bis?

- Potential problem: does this result in vendors just making up addresses? Using 239/8?
32-bit AS number holders have no GLOP, IANA allocations have a role?

- Suggestion: resurrect IPv4 unicast-prefix-based, eGLOP

Should MADCAP and eGLOP be made Historic?

- eGLOP pushed forward in RIRs by Marshall
  - That should be OK if gets through

- MADCAP implementations exist, some deployment
  - MADCAP should stay on Stds Track for now?
Steps forward

- This doc will get stalled; contributors:
  - eGLOP implementation at RIRs, availability to the public
  - IPv4-unicast-prefix based completion
  - RFC3171bis revision or IANA assignment policy discussion