

IPv6 allocations to closed networks

prop-015-v001.txt

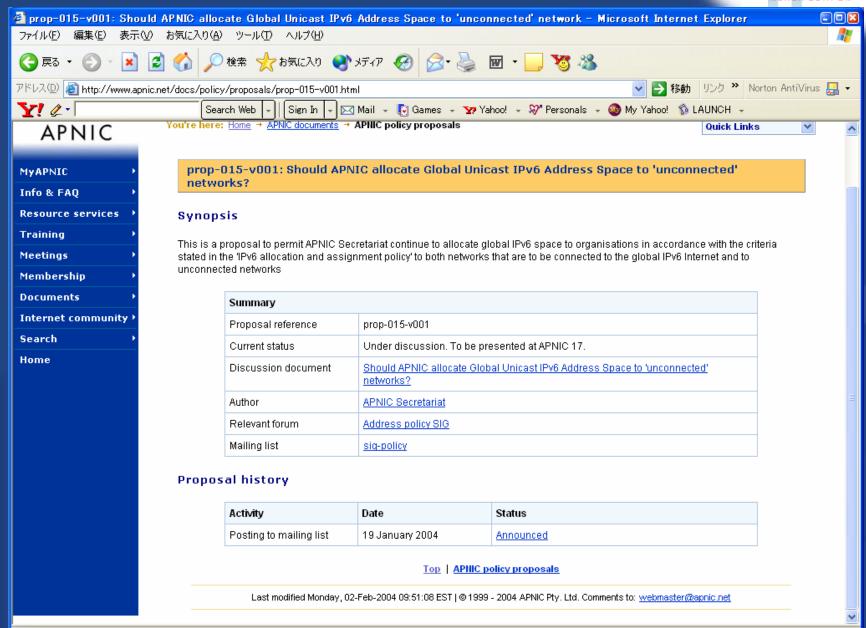
Policy SIG APNIC17/APRICOT 2004 Feb 23-27 2004 KL, Malaysia







インターネット





Problem with APNIC-089

- Initial allocation criteria includes:
 - [Organisation must] plan to provide IPv6 connectivity to organizations to which it will assign /48s, by advertising that connectivity through its single aggregated address allocation
- Ambiguous points:
 - Does this include 'private' networks not connected to the global Internet?
 - If not, where do such networks obtain their addresses?
 - Advertising to whom





Interpretation by Secretariat

- Closed networks have been considered to be within scope of existing policy (in APNIC-089)
 - APNIC Secretariat has made one IPv6 allocation to such a network that met all other initial allocation criteria
- During 2003, Secretariat sought clarification from the APNIC EC





APRICOT 2004

Reviewing the background:

- Lack of private address space available in IPv6
 - There has been no allocation as in IPv4 yet
 - i.e. RFC1918 10/8, 172.16/12, 192.168/16
- Problem with IPv6 "site-local" address
 - Assignment size limited to /48
 - Under discussion but likely to be opposed
 - Large not-connected networks need IPv6 address
 - So do small networks in absence of site-local address



APRICOT 2004

EC Interim Clarification Notice

- EC published interim clarification notice in Nov 2003
 - Directed Secretariat to continue making such allocations until APNIC OPM
 - http://www.apnic.net/docs/policy/ipv6-policyclarification.html
 - No reference 'to whom' such advertisements should be made
 - The advertisement may not be part of global Internet but may be part of private network



Interpretations in other regions

ARIN

 Does not currently make allocations to closed networks

LACNIC

 Does not currently make allocations to closed networks

RIPE NCC

Evaluation on a case by case basis





Proposal

- APNIC IPv6 policy should allow allocations to closed networks
 - providing that if other initial allocation criteria are met





NIR Considerations

 The outcome of this policy discussion should be applicable to all NIRs equally in APNIC region





Implementation

- If approved through APNIC policy processes
 - Interim EC notice will expire
 - Immediate (continuing) implementation
- Co-ordination with other RIRs
 - to clarify language and intent of APNIC policy







