

Policy Evaluation and Feedback Report

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Purpose

- ▶ Review Existing Policies
 - Ambiguous text and/or inconsistencies
 - Gaps
 - Things that don't work
- ▶ Identify areas where a new policy may be needed
 - Request experience
 - Customer feedback
- ▶ Provide Feedback to Community
- ▶ Make Recommendations

Policy Reviewed

- ▶ Multi-homing Policy (NRPM 4.2.2.2)

New Policy Consideration

- ▶ A Caribbean-specific policy similar to the one implemented for the African portion of the ARIN region in 2004?
 - Lower minimum allocation size

Multi-homed Policy (NRPM 4.2.2.2)

▶ Relevant Text

Section 4.2.2.2.3 Renumber and return

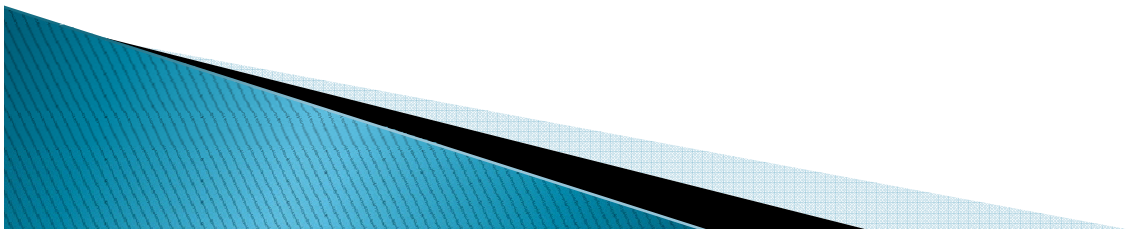
“Agree that the newly requested IP address space will be used to renumber out of the current addresses which will be returned to their upstream provider(s).”

Section 4.2.2.2.4. Additional requests following the initial allocation

“To receive additional address space following the initial allocation, multihomed organizations must have returned the original IP address space to its provider in its entirety and must provide justification for a new allocation as described above in the section titled Requirements for Requesting Initial Address Space.”

Background

- ▶ Policy stems from attempts to limit routing table growth in the mid-1990s however 4.2.2.2.3 has not had significant effect on routing table growth:
 - 565 new aggregates in 2007
 - 443 new aggregates in 2006
 - typical routing table has 260,000+ routes



Problems Observed

- ▶ Renumbering is difficult
- ▶ Not all can comply with renumbering requirement
- ▶ Inconsistent renumbering requirements
 - Applies only to small segment of requestors
 - Affects small ISPs most
 - Requires staff to provide special consideration

Recommendation

- Remove the renumbering requirement in 4.2.2.2.3

Problems Observed

Caribbean Sector Challenges

- ▶ De facto monopolies exist
- ▶ Switching ISPs can be costly
 - Time
 - Money
- ▶ Difficult or impossible to multi-home
- ▶ Smaller markets – can't meet policy thresholds

Benefits of a Caribbean Specific Policy

- ▶ Foster competition
- ▶ More choices and lower costs
- ▶ Lower barriers to multi-homing
- ▶ Increase participation in ARIN

Recommendation

▶ ISPs

/22 minimum allocation size

- Single-homed qualifies by having a /22 reassigned and efficiently used
- Multi-homed qualifies by having a /23 reassigned and efficiently used

▶ End-users

/22 minimum assignment size

- Single-homed qualifies by showing 50% or greater immediate need
- Multi-homed qualifies by showing 25% immediate need and 50% one-year need

