

# IAB-IPv6 Ad-Hoc Committee

Thomas Narten  
narten@us.ibm.com  
March 8, 2005  
IPv6 WG

# History

- RIRs (e.g., RIPE) were getting requests for large allocations (greater than in past)
- IANA hadn't done that before (been giving /23s)
- IANA wanted advice from IAB on what to do
- Some other random IPv6 issues were not being acted on.
- Formed an ad-hoc committee to advise IAB on IPv6 addressing matters:
  - Thomas Narten (chair), Bob Hinden, Brian Haberman, Kurtis Lyndqvist, Geoff Huston, Paul Wilson

# On our plate

- Clarifying documentation (in RFCs) about how IANA manages IPv6 space
  - IANA web page cleanup for IPv6 address space (done: draft-huston-ip6-iana-registry-05.txt & IANA pages)
- ipv6.int deprecation: time to declare it dead (in progress: please review draft-huston-ip6-int-01.txt; says June 1, 2005 is end date)

# On Our Plate (cont.)

- Examine problem where IANA gives /23s to RIRs (status: partially done)
- HD ratio - questions being raised whether existing HD-ratio based policies have intended effect (e.g., overly large allocations?)

# Current Focus

- IANA and RIRs are working on policies defining:
  - How big should IANA-to-RIR allocations be? / 12? /16? (had been /23s)
  - When is an RIR allowed to ask for more? (reserving space? Utilization?)
  - Documents are being discussed in individual RIRs

# Current Focus (cont.)

- IETF has an input voice:
  - Ensure prudent management of address space, with proper balance between aggregation/conservation
  - Policies consistent with architectural goals
  - Our interest is long-term stewardship, not day-to-day management
  - Get good aggregation over long-term time frame

# Current Focus (cont.)

- Global process is complicated:
  - each RIR has its own internal process for their discussions
  - Ideally, RIRs converge on same/similar policy
  - RIRs show agreement (formally) through NRO process (new, and uncharted territory)
  - IANA/ICANN implements policy when NRO process completes
  - Appropriate for IETF to participate in those discussions

# Going Forward

- Envision a document that describes technical considerations of allocation size, reservations, etc.
- Document experience (and lessons)
- Examine longer-term implications of various policies
- draft-huston-ipv6-hd-metric-00.txt is a rough start
- Need/expect community review of document