

RFC 2050 Working Group

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What Was RFC 2050?

- “Internet Registry IP Allocation Guidelines”
- Edited by Kim Hubbard, Mark Kosters, David Conrad, Daniel Karrenberg and Jon Postel
- An IETF BCP describing the distribution of “globally unique IP addresses and registry operations”

What's In RFC 2050?

- A few major sections
 - An allocation framework
 - Describing CIDR and hierarchical allocation
 - An assignment framework
 - Describing assignment of blocks of addresses to non-registries – “end enterprises”

More of RFC 2050

- Describes needed utilization rates
 - 25% initial and 50% utilization in first year
 - Also described the documentation required
- Short section on “operational Guidelines for Registries”
- Also includes IN-ADDR.ARPA and a Right to Appeal

Should RFC 2050 be Updated?

- Landscape has been changed dramatically
 - Not just IETF and IANA anymore
 - Never really was this way
- Updating is would be difficult
 - Many more constituents
 - Other registries, ASO AC etc

Has Anything Happened?

- Active discussions in Taipei in August 2000
- Proposal made at ICANN ASO meeting in Stockholm June 2001
- Discussion surrounds
 - What would be a replacement
 - How they would be edited
 - And by whom!
 - How they would be published

What Should be Done?

- ARIN sponsors a working group
 - To discuss inside the ARIN region
 - What should be done about RFC 2050
 - Propose alternatives
 - And come to consensus within the region

Pertinent Quote

**“Did you hate
your life?”**

David Conrad
RFC 2050 contributor

RFC 2050 Working Group

- The objective of the RFC 2050 Working Group is to address the issues relating to relevance of RFC 2050 to the needs of today's Internet registry system
- The group will evaluate RFC 2050 and propose a method of replacing it with a new document or documents
- Once consensus has emerged on the process that will be used to replace RFC 2050, the working group will cooperatively develop its replacement
- The working group will work in coordination with the other Regional Internet Registries who will conduct a similar review process in their respective regions

Mailing List

- As usual Working Group activity is coordinated through a mailing list
- Available in the usual way
- <http://www.arin.net/members/mailing.htm>
- Or
 - Send SUBSCRIBE 2050-WG
 - To majordomo@arin.net

Working Group Milestones I

- Working group formed
- Provide inventory of issues and policies that RFC 2050 addresses
- RFC 2050 Working Group Open Meeting at ARIN
- NOTE: These have been completed.

Working Group Milestones II

- Draft requirements document for rewrite
 - A set of principles are complete
 - A draft of proposed replacement documents has been circulated
- Draft process for meeting document requirements
- Proposing a group of small editorial teams to edit proposed documents
 - This is where you can participate right now!

Working Group Milestones III

- Begin to draft the components of the replacement
- Work in coordination with the other Regional Internet Registries
 - This is already taking place
- Public progress report at future ARIN/RIPE/APnic meetings

Proposed Principles

- Doesn't address operational issues
- Documents current architecture in an accessible way
- Documents both
 - IPv4 and
 - IPv6 addressing allocation principles
- Formation principles for new registries and relationships between RIRs and ICANN, etc.

Other Proposed Principles

- Provides basic, common information about all registries and the allocation process
- Describes allocation of AS numbers and reverse mapping services
- Needs to be extensible
- A series of separate documents

What Happened Next?

- Proposed these principles and got very little input from the community
- Worked with RIRs, the ICANN ASO and others to develop a draft series of documents to replace RFC 2050

Proposed Document Series I

1. Instructions to editors and authors of ip-addrdocs
2. A guide to addressing policy, allocation, and principles
3. The principles of IP address allocation for IPv4
4. The principles of IP address allocation for IPv6

Proposed Document Series II

5. The principles of as number assignment
6. Criteria guidelines for IPv4 address allocation
7. Reverse mapping services for IPv4
8. Addressing and numbering organizations and relationships

Have there been comments?

- Proposal presented at APRICOT/APnic
- Proposal published on the 2050-wg mailing list
- Comments so far center on
 - How the documents should be published
 - Not so much about content

Moving forward

- Taking this presentation to RIPE as well
- Still looking for comments on the list
- Then
 - Collect feedback on the content
 - Collect feedback on the process
 - Publish a summary
- Call for volunteers for a small editorial team to write drafts of proposed documents