



IPv6 Business Information Exchange IETF and Enterprises

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From the IETF Web Site

- The Internet Engineering Task Force is a loosely self-organized group of people who contribute to the engineering and evolution of Internet technologies. It is the principal body engaged in the development of new Internet standard specifications.
- The IETF is unusual in that it exists as a collection of happenings, but is not a corporation and has no board of directors, no members, and no dues.
- <http://www.ietf.org/tao.html#where-do-i-fit-in>

IETF Membership from Web Site

- There is no membership in the IETF.
- Anyone may register for and attend any meeting.
- The closest thing there is to being an IETF member is being on the IETF or Working Group mailing lists.
- This is where the best information about current IETF activities and focus can be found.

IETF Structure

- Of course, no organization can be as successful as the IETF is without having some sort of structure.
- In the IETF's case, that structure is provided by other organizations, as described in [\[BCP11\] \(Hovey, R. and S. Bradner, "The Organizations Involved in the IETF Standards Process," October 1996.\)](#), "The Organizations Involved in the IETF Standards Process".
- If you participate in the IETF and read only one BCP, this is the one you should read.

IETF Mission

- (Again from the IETF website)
- Its mission includes the following:
- Identifying, and proposing solutions to, pressing operational and technical problems in the Internet
- Specifying the development or usage of protocols and the near-term architecture to solve such technical problems for the Internet
- Making recommendations to the Internet Engineering Steering Group (IESG) regarding the standardization of protocols and protocol usage in the Internet
- Facilitating technology transfer from the Internet Research Task Force (IRTF) to the wider Internet community
- Providing a forum for the exchange of information within the Internet community between vendors, users, researchers, agency contractors, and network managers

Who is on the IETF

- 10% - 20% attendance is enterprise customers?
- Mostly vendors, ISPs, etc
- Working groups for IPv6:
 - 6man
 - V6ops
 - Many others
- www.ietf.org

Why Should Enterprises Go?

- Have input into something which will massively impact your operation for years to come.
- For example, IPv6 and IPv4 are completely incompatible. Could it have been made so that there was some backward compatibility?
- If enterprises don't participate, then vendors and ISPs will shape the future of the Internet and the future of all protocols and applications which run on it.

Dissemination of Information

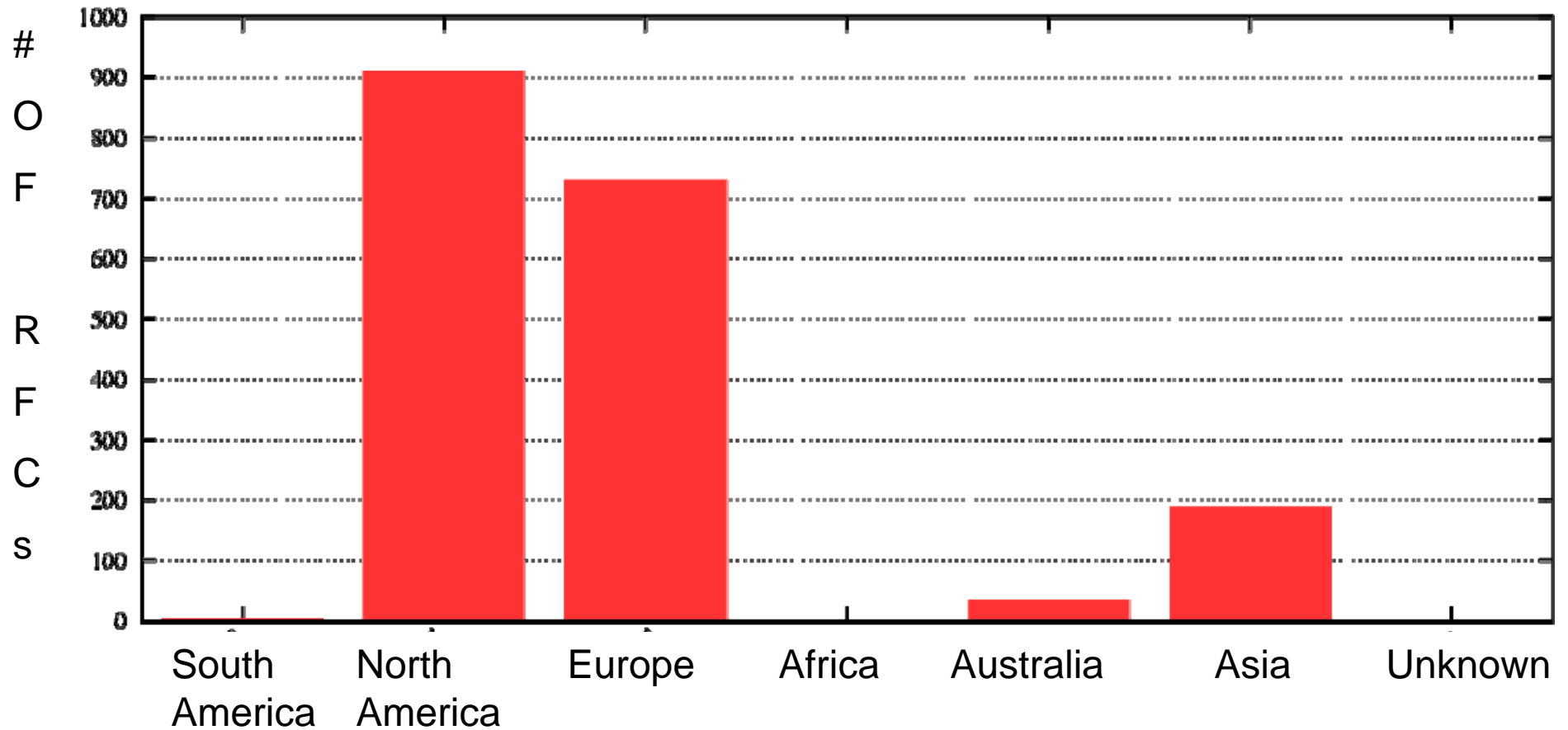
- Demonstration of technical issues by field and industry experts. Issues are experienced by early adopters. Others can be aware of these issues before they experience them, thereby avoiding problems and associated outages.
- The dissemination of highly technical information. In many ways the articulation of issues and the presentation of Recommendation are like highly technical Education or seminars.
- The ability to shape the future of The Internet and the protocols or applications that run upon it. Those that are involved in IETF working groups not only have advanced information and expertise, but can also can set directions that are conducive to their companies business success.
- Incompatible goals: vendor / enterprise

Incompatible Goals

- Vendors, 'operators' (ISPs) and Enterprises may have incompatible goals.
- If you are not there to represent your point of view, then you should not be surprised if the results do not reflect your needs.

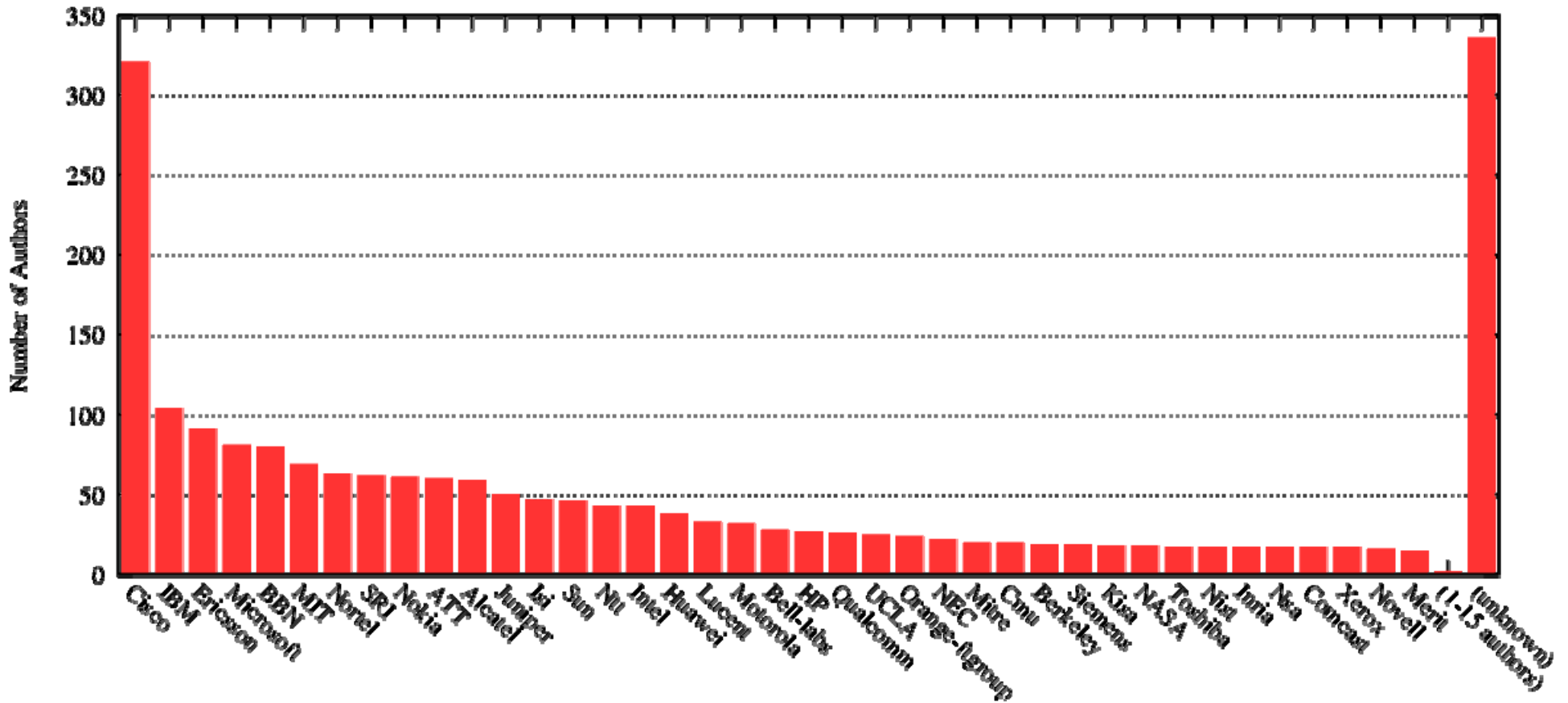
RFCs per Continent

Number of RFCs per Continent



Who is authoring RFCs

Number of Authors per Company



<http://www.arkko.com/tools/docstats>

Not too late to shape IPv6

- NAT66?
- What tunneling techniques may become historic (6to4)
- It's not just IPv6 that's getting talked about - all the other protocols as well. SecureDNS, mobility, car-to-car communications

IETF 83

- March in Paris (July : Vancouver?)
- Let's get a group to go. What do we think?
- BTW, if you don't participate, then you don't get a voice in where the meetings are held. Organization is worldwide.
- Let's also start an IETF subcommittee in the IPv6 BIE. Discuss latest RFCs, work on our proposal, etc.