

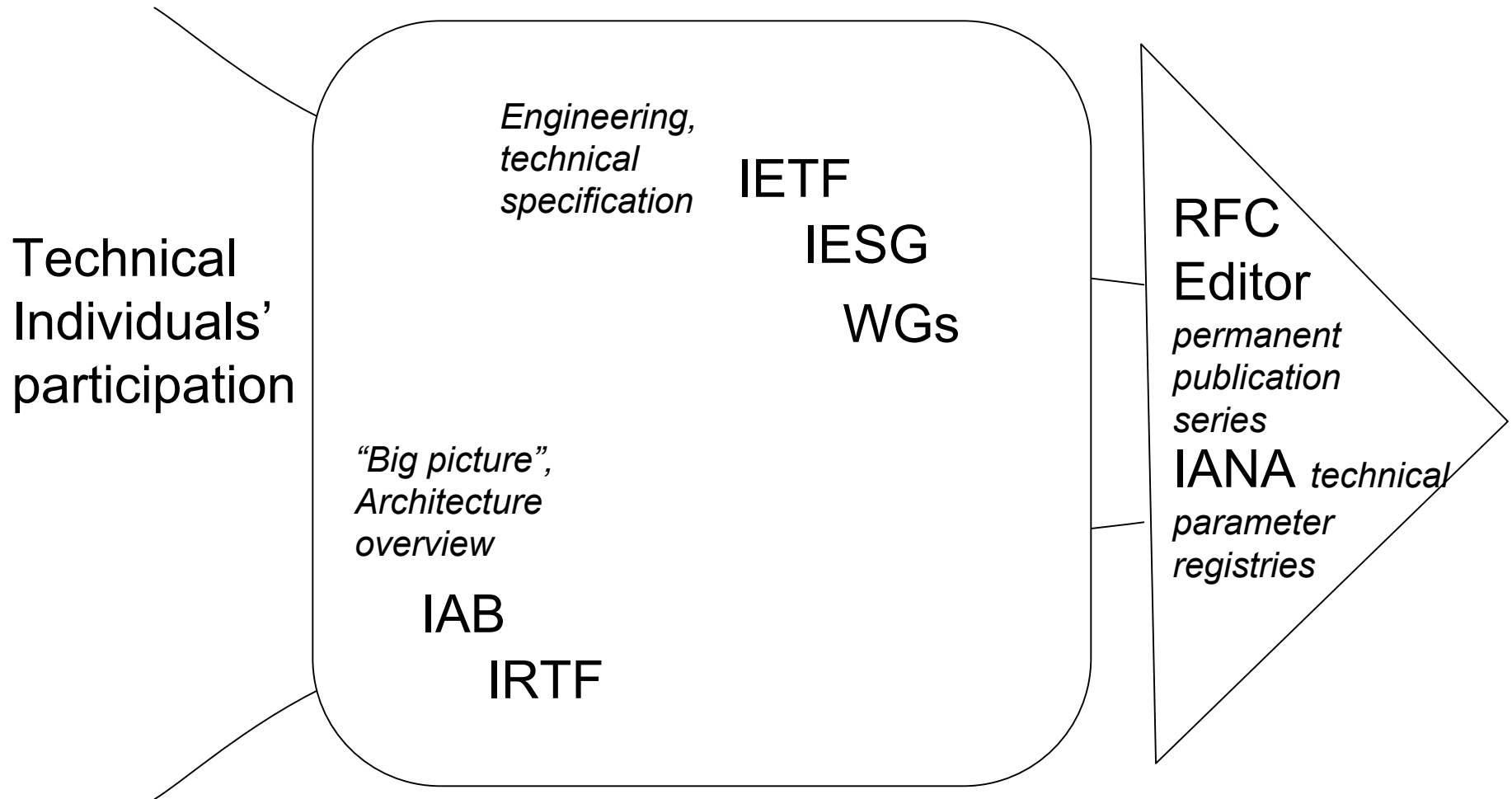
IAB/IETF update

APNIC Policy SIG

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The IETF Universe in Motion



The Internet Engineering Task Force (IETF)

- Engineers from all over the world
- Participation is by e-mail
 - open to all individuals for technical discussion
 - several thousand current e-mail subscribers
- Meet 3 times a year
 - Variously in North America, Europe, Asia
- Publish
 - All documents, discussions publicly available
 - <http://www.ietf.org>
 - <http://www.rfc-editor.org>

IETF Areas

- **Applications** (*e.g., mail infrastructure*)
- **General** (*e.g., IETF process issues*)
- **Internet** (*e.g., IPv6*)
- **Operations and Management** (*e.g., MIBs, operational aspects of DNS*)
- **Routing** (*e.g., security in routing protocols*)
- **Security** (*e.g., authentication mechanisms and use*)
- **Transport** (*e.g., datagram congestion control*)
- **[March 2006] Realtime Applications and Infrastructure** (*e.g., SIP, voice peering*)

The Internet Architecture Board (IAB)

- Useful pointers
 - Minutes at
 - <http://www.iab.org/documents/iabmins/index.html>
 - See all the published documents at
 - <http://www.iab.org/documents/selected-iab-documents.html>
 - See all the current IAB Internet-Drafts at
 - <http://www.iab.org/documents/drafts/index.html>

IAB Technical Focus

- Particular areas of IAB technical focus for this year
 - IPv6 -- helping detect & promote solution of pieces missing for successful uptake.
 - Internet Architecture -- sponsoring continued discussion, and further documentation of Internet engineering principles to help make "common knowledge" just that.
 - Bad Net Traffic -- providing further pointers to work being done to harden protocols and infrastructure to provide tools to reduce the possibility and impact of such activity.

“A” is for “architecture”



Some details...

- Ad Hocs
 - IPv6 ad hoc continues
 - IDN Ad Hoc is concluding
- Invitational Workshop
 - “Unwanted Traffic”
 - March 9/10 in Marina del Rey, USA
 - Report of discussions will be published
- Also
 - architecture-discuss@ietf.org OPEN mailing list
 - “IPv6 Multihoming” BoF here at APRICOT

IETF Items of Interest

- IPv6
 - main work is finished
 - work on coexistence with IPv4 and various improvements will continue for many years.
 - IPv6 multihoming (shim6 WG) is in progress
 - Tunnel setup (softwire WG) is a new effort
- Mobility
 - Several WGs work on mobility, especially for IPv6
- Signalling, QOS and traffic engineering
 - NSIS WG
 - Traffic engineering for MPLS

More IETF Items of Interest

- Security
 - GSS-API Next Generation
 - Integrated Security Model for SNMP
 - "Better than Nothing" security
 - IPsec support for unauthenticated security associations
- AAA
 - RADIUS extensions, DIAMETER

The IETF is rarely dull

- VPNs and Pseudo-wires
 - Multiple efforts to specify how virtual private networks and emulated transports are carried over IP backbones.
 - includes L2VPN, L3VPN, PWE3 WGs
- Real Time Applications and Infrastructure
 - Audio/Video, Conferencing, Instant Messaging, VoIP, SIP, ENUM, Geolocation, Emergency Preparedness