

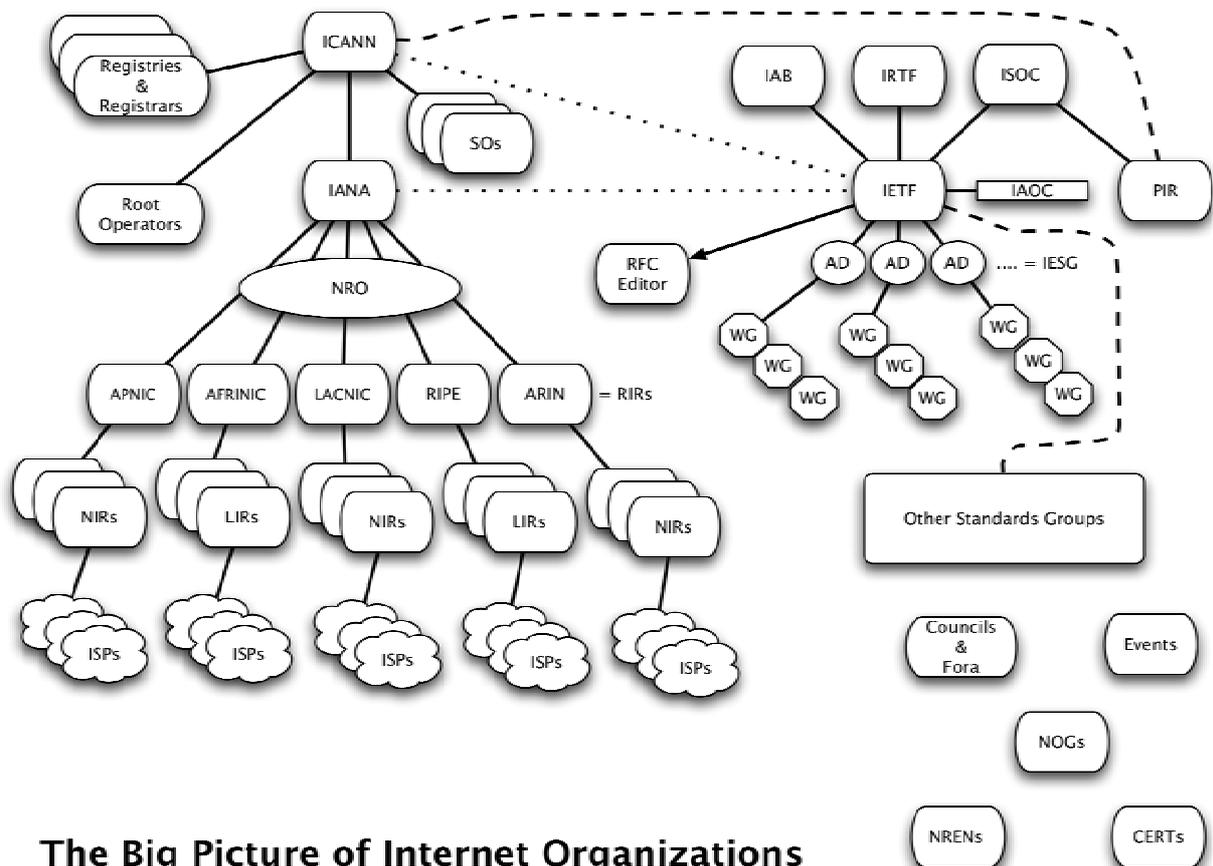
ISOC and IETF

Internet Standardization

Ole Jacobsen, Editor and Publisher

The Internet Protocol Journal

<http://cisco.com/ipj>



The Big Picture of Internet Organizations



www.isoc.org

- Founded in 1992 by Internet Pioneers: International non-profit organization
- 90+ organizational members
- 28,000+ individual members
- 90+ chapters worldwide
- Regional Bureaus: Africa, Latin America & Caribbean, South & South East Asia
- Operates the Public Interest Registry (PIR)
- ISOC is an international cause-related organization that works for the open development and evolution of the Internet for all people. Does so through work across the areas of technical standards, education and capacity-building as well as public policy.

What Makes ISOC Unique?

- Focus is the Internet: **Education, Standards, Policy**
- Organizational home of the Internet Engineering Task Force (IETF), Internet Architecture Board (IAB), and related bodies
- Enable capacity and technical community building throughout the world
- Key player in Internet Policy
Particularly in the Internet Governance Forum (IGF)

ISOC's Principles

- ISOC's principles and activities are based upon a fundamental belief that:

“The Internet is for Everyone”

- Envisions a future in which people everywhere can use the Internet to improve quality of life
 - Possible when standards, technologies, business practices, and government policies sustain an open and universally accessible platform for innovation, creativity, and economic opportunity
- Core beliefs
 - <http://www.isoc.org/pub/pol/pillar/principles.shtml>

ISOC and Standards

- Partial funding of IETF process
- Funding of RFC Editor
- Organizational home for IETF and IAB:
 - Legal umbrella
 - Insurance
 - IAOC home
 - Appoints chair of IETF nominations committee
 - Part of the process appeal chain

Internet Architecture Board (IAB)

- Provides overall Architectural Advice & Oversight to IESG, IETF & ISOC
- Approves IESG slate from nomcom
- Step in appeals chain
- Provides “oversight” of IETF standards process
- Deals with IETF external liaisons
- Appoints IRTF chair
- Selects IETF–IANA liaison
- Appoints & Oversees RFC Editor
- Chartered by ISOC

More about the IAB

- Reviews BOF requests
- Provides input to IESG on WG formation & charters
- Sponsors & organize Internet Research Task Force (IRTF)
- Convenes topic-specific workshops (mostly invitation only)
- Organizes ad-hoc expert groups to adjudicate technical disputes
- Write IDs/RFCs stating IAB opinion
- Participates in IETF WG discussions

Internet Engineering Task Force (1)



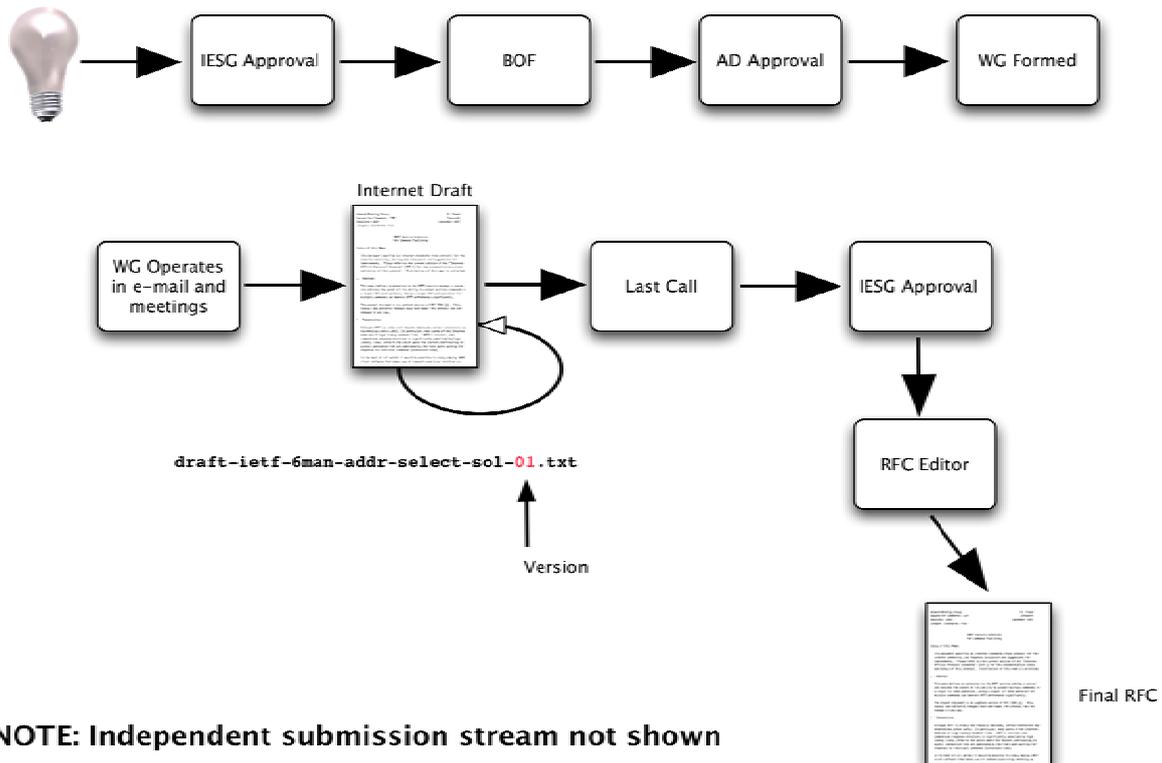
- Open for participation from anyone including YOU
- No membership fees, just meeting fees
- Much of its work takes place on mailing lists
- Face-to-face meetings 3 times per year
- Meets in North America, Europe, Asia
- IETF 76 will be held in Hiroshima, November 2009

IETF (2)



- Produces technical documents, *some* of which may become standards, published as RFCs
- Scope: “Above the wire and below the application”
- Organized into several *Areas* (each with several *Working Groups*):
 - **General**
 - **Applications**
 - **Internet**
 - **Operations and Management**
 - **Real-time Applications and Infrastructure**
 - **Routing**
 - **Security**
 - **Transport**

From Idea to RFC



What is an RFC?

- RFC used to stand for “Request for Comments”
 - now just a (brand) name
 - now tend to be more formal documents than early RFCs
- IETF document publication series
- RFC 1: “Host Software” – April, 1969
- Now over 5,000 RFCs
- **Not all RFCs are standards!**
 - see RFC 1796
 - though some vendors imply otherwise
- Many types of RFCs



Types of RFCs

- Standards track: OSPF, IPv6, IPsec ...
- Obsolete Standards: RIPv1
- Requirements: Host Requirements
- Policies: Classless InterDomain Routing
- April Fool's Day jokes
- White Papers
- Process Documents (See RFC 3777, RFC 2026)
- Experimental History

RFC Editor

- IETF Publication Arm
- **`rfc-editor@rfc-editor.org`**
- Semi-independent
- Gets requests to publish IETF IDs from IESG
- Also gets requests to publish *independent* IDs for informational or experimental RFCs
- Asks IESG for advice on publishing independent RFCs but can exercise own discretion
- Presumption is to publish technically competent IDs

You can get involved!

- Join IETF mailing list(s)
- Visit <http://ietf.org>
- Attend Meetings, especially Hiroshima 2009!
- Attend Newcomers Orientation
- Talk to colleagues
- Read IETF Journal (and Internet Protocol Journal)
- Work in local setting (Japan)

Thanks to:

- Scott Bradner: IETF Newcomers Presentation
- Gerard Ross: ISOC Overview
- The audience: ありがとうございます

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