

# How to participate IETF

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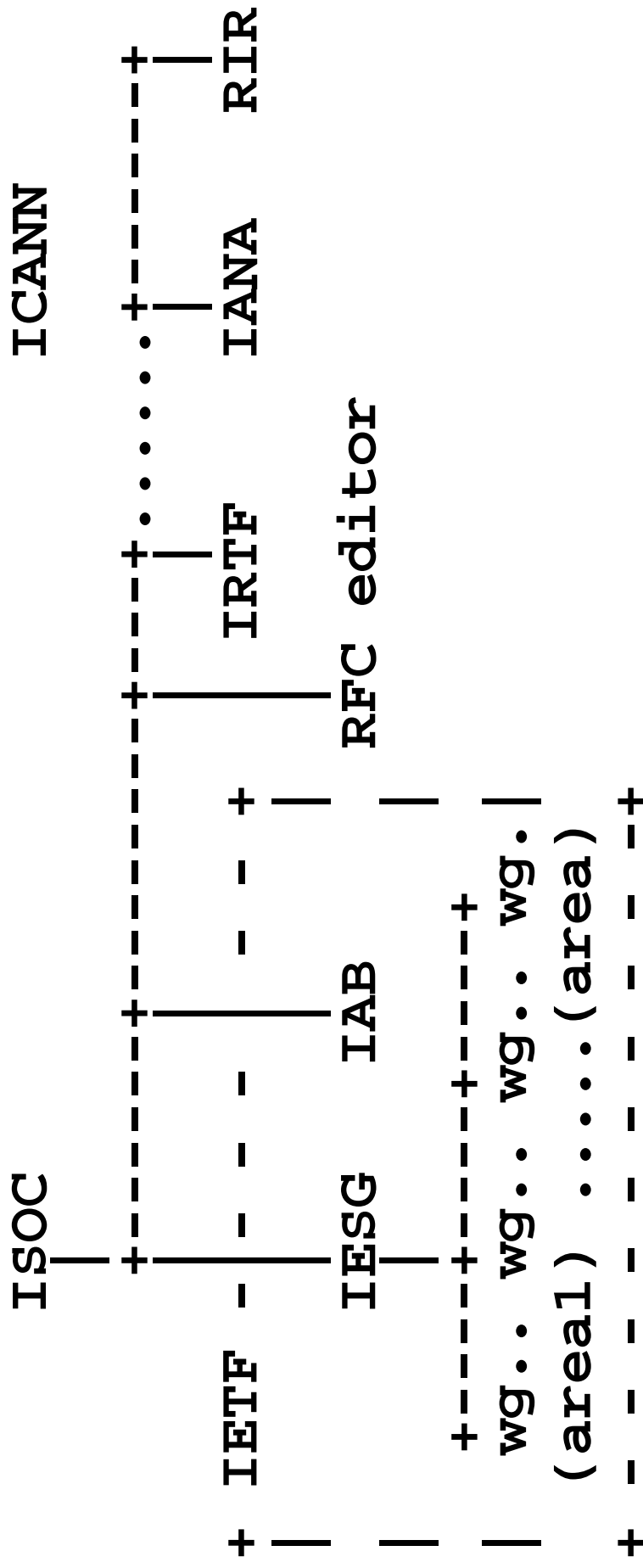
# Outline

- What is IETF?
- IETF structure
  - example: IAB's activity
- How IETF documents are handled?
- How to participate IETF? Tips and tricks
- IETF recent activities

# IETF

- The forum for internet protocol standardization
- People participate as "individuals"
  - Not a "delegate of country X" nor "delegate of company Y"
  - Opinions expressed are treated as comments from the individual
- Face-to-face meetings, 3 times a year (2 in the US, 1 in non-US)
- Other discussions are made on mailing list
- working groups
- "Rough consensus and running code"

# Structure



# Roles (1)

- working group
  - Discuss specific protocols/areas (such as ipsec, mpls)
  - Write up internet drafts and try to make them RFC
  - wg chair: 2-3 person per wg
  
- IESG (area director)
  - Watches over wg activities in an area, and comment/shephard as needed
  - Authorize i-d to become RFC/makes final comments
  - 2 person per area, 14 in total
  - IETF chair
  
- IAB
  - Watches over IETF activity from the Internet architecture POV
    - Internet has certain design principles
    - Comment/shephard as needed
  - Write up IAB recommendations
  - Liaison with other standardization bodies - such as ITU-T, W3C
  - 12 person + liaison
  - IAB chair

## Roles (2)

### □ IRTF

- Research on Internet technology
- working groups
- There's no particular relationship w/ IETF (no reporting to IETF, for instance)

### □ IANA

- Manage/maintain protocol/port numbers

### □ RIR

- Regional Internet Registry, manages IP address
- You are expert on this, not me:-)

### □ RFC editor

- Edit/manage/publish RFC

## **Roles (3)**

- **ISOC**
  - Internet Society
  - Legal/economic umbrella for IETF/IAB
  - Conferences: INET and others
  
- **ICANN**
  - Domain name policies/politics, such as ccTLD
  
- **Note**
  - Relationship between ICANN/ISOC/RFC editor/IANA/RIR are not well-defined
  - IAB and IESG are working on clarification/documentation

# What does IAB do?

- Normal days
  - Teleconference, once/2 weeks
  - Write up IAB recommendation
  - Liaison - participate other standardization meetings
  - IAB retreat - offsite camp/study
- During IETF
  - Breakfast meeting (7AM-9AM)
  - wg sessions (9AM-10PM)
    - Watch wg/bof sessions, comment as needed
  - bar BOF(10PM-endless)
    - Many of important things are decided here
  - IAB Plenary
    - Reports from RFC editor and other roles, recent IAB concerns
    - open mike (to capture comments from participants)

# IETF document handling

- 4 types of RFC
  - Standards track: Proposed, Draft, Full standard
  - Informational
  - Experimental
  - Best Current Practice
  
- wg-based RFC
  - internet draft
  - ↓ ↑ revise
  - working group review
  - ↓
  - working group last call →revise
  - ↓
  - IESG review →revise
  - ↓
  - IETF last call
  - ↓
  - RFC
  
- individual RFC

# How to participate IETF

- Participate discussions on working group mailing list
- submit internet drafts
  - standard track: "do we need to define protocols for interoperability?"
  - informational/BCP: experiences from operations and such
- Participate face-to-face meeting
  - IETF58: 2003/11/9-14, Minneapolis, US
  - IETF59: 2003/2/29-3/5, Seoul, KR
- Eat/Drink with working group members, mingle into the community

# IETF recent activity

- Broad range of discussion from layer 2(physical)/3(IP) to application, politics
- IPv6 is under discussion in every wg - it is not a special thing
  - no standardization is made for IPv4-only
- IETF has grown very big, it is becoming difficult to make consensus
  - Improve training for newcomers
  - Structure changes
- Importance of liaison is increasing
  - W3C, ITU-T

# Websites of interest

- <http://www.ietf.org/>
- <http://www.irtf.org/>
- <http://www.iab.org/>
- <http://playground.iijlab.net/> (the slides will posted here)

# Summary

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