

# INTRODUCTION TO THE IETF

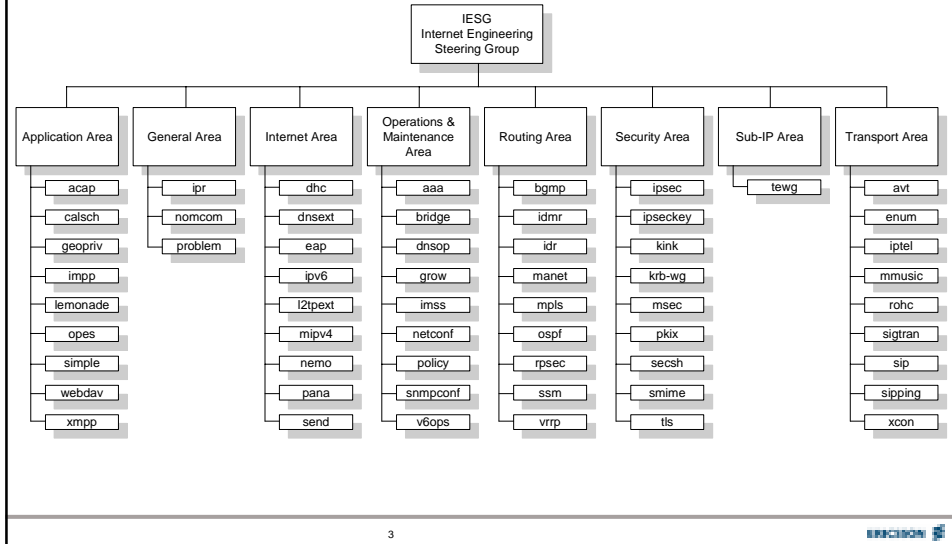
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## IETF Structure

- Areas
  - Area directors + IETF chair = IESG
- Working Groups
  - Chairs
  - Charter
  - Mailing list
- IAB

# IETF Structure



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## New Area: RAI

- RAI: Real-time Application and Infrastructure Area
- To develop protocols & architectures for delay-sensitive interpersonal communications
- To serve an industry whose applications & services include voice & video over IP, instant messaging & presence
- Examples: work related to presence services, session signaling protocols & emergency call routing solutions, or work on "layer five" issues for Internet telephony

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# RAI Area WGs

## TSV

- BEHAVE
- DCCP
- IPPM
- IPS
- MIDCOM
- NFSv4
- NSIS
- PMTUD
- RDDP
- RMT
- ROHC
- RSERPOOL
- TCPM
- TSVWG

## RAI

- AVT
- ECRIT
- ENUM
- GEOPRIV
- IEPREP
- IPTEL
- MEGACO
- MMUSIC
- SIGTRAN
- SIMPLE
- SIP
- SIPPING
- SPEECHSC
- XCON

## APP

- ATOMPUB
- CALSIFY
- CRISP
- EDIINT
- IMAPEXT
- LDAPBIS
- LEMONADE
- LTRU
- OPES
- SIEVE
- USEFOR
- WEBDAV
- WIDEX

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# RAI Description

The Real-Time Applications and Infrastructure Area develops protocols and architectures for delay-sensitive interpersonal communications. Work in this area serves an emerging industry whose applications and services include voice and video over IP, instant messaging and presence. These applications and services are "real-time" in the sense that delay impedes human participation in the associated systems.

The RAI Area is seeded with existing working groups from the Transport and Applications Area: SIP, SIPPING, XCON, SIMPLE, GEOPRIV, ECRIT, ENUM, IPTEL, MEGACO, MMUSIC, IEPREP, SPEECHSC, and SIGTRAN. A good rule of thumb for the incorporation of new work into RAI, as opposed to Transport or Applications, is that the work in question has major goals supporting instant interpersonal communication or its infrastructure. For example, they can range from applications to help users make decisions about how best to communicate using presence services, to session signaling protocols and emergency call routing solutions, to work on the "layer five" issues for Internet telephony.

Like all areas of the IETF, the RAI Area draws on the work on numerous other areas, and as such there can be no neat mathematical boundaries delineating RAI's work from the rest of the IETF. The new area will allow an existing community within the IETF to solidify its vision and to benefit from increased institutional support.

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## Multimedia Work

- Traditionally in the Transport Area
  - AVT developed RTP
  - MMUSIC developed SDP, RTSP, SAP, and SIP
  - SIP, SIPPING, IPTEL, ENUM, and XCON were chartered later
- Application Area
  - SIMPLE
  - XMPP

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