



# What is the IETF?, contd.

- IETF documents all open
- Internet-Drafts

anyone can submit - expire in 6 monthssome I-Ds are working group documents

- RFCs (stands for "RFC") archival publications (never changed once published) different types: (not all RFCs are standards!) informational, experimental, BCP, standards track, historic
- 3-step standards track Proposed Standard, Draft Standard, Internet Standard
   interoperability not conformance

#### Hot Areas

- IP telephony
  - SIP, RTP, enum, megaco/H.248, spirits, rohc, sigtran, etc
- ♦ QoS

nsis (old work includes diffserv, RSVP, intserv)

- storage
  - ips (iSCSI, FCIP), NFSv4, RDDP
- ♦ SUB-IP

MPLS, GMPLS, IPO, TE, VPNs, L2 over IP/MPLS

base Internet protocols

IPv6, TCP enhancements, SCTP, DCCP, RMT, mobile IP

#### Hot Areas, contd.

- Internet emergency use
- Iocation-based technology
- security IPSec, secure email, etc
- routing
  BGP update, IS-IS, routing futures, multicast
- management
  SNMPv3, XML-based, policy-based
- applications
  LDAP, iCal, IM, FAX, email, webdav

#### Hott(er) Areas

- reorganize IETF funding IETF
- bumps in the net middleboxes (e.g., NATs & firewalls) should the IETF admit that they exist?
- "legal intercept" see RFC 2804, but also see 9/11
- regulator interaction
  - e.g., enum, IPv6, service definitions, QoS, protecting incumbents, "protecting" citizens from whatever

#### IPR

- ◆ IETF IPR rules in RFC 2026 Section 10
- currently working on clarifying these rules in ipr working group
- current IETF rules require disclosure of all of own IPR in own submissions submissions of others
- WG takes IPR into account when choosing technology
- push from open source people for RF-only process consensus to not change to RF-only
- the Todd factor

# "Problem" WG

#### complaints a year ago

"late surprises," one AD can block, too slow (e.g. wait for security)

#### formed "problem" working group

created Internet Draft

found 8 problem areas

no agreed to IETF "mission", poor engineering practices, hard to deal with large problems, stds track too long, too much work for IETF to do, management structure not up to task, reaching closure in WG, people not prepared for roles

## **But No Solutions WG?**

#### general sense at plenary

- 1/ there are problems that need to be fixed
- 2/ sense that the is no consensus on how to proceed
  - no to: pick one person, tell the IESG to fix things, tell the IAB to fix things, pick a small group, form a working group
- so right now people are proposing things to solutions list
  - including me

## **Rule Creation**

- Q: how do rules get made?
- A: randomly
  - RFC 2026 is a guide, greybeards are a resource
  - but in the end it has been the IESG making up things as needed
- 2026 was not random: poised WG
- now IETF is trying to figure out how to change for the future

## Players

 Q: who are the players? meritocracy+ "management" selected by nomcom clues (and knowledge of history) not required not as much vendor vs. vendor as I expected some 'wise ol' folk' with a history of clue primary force: document editors self/WG chair selected

# **Motivation**

- Q: why does it matter to them?
- A: for most: company pays for others (including me): ask Freud

## **Example Conflict**

 Internet Emergency Preparedness WG
 significant disconnect between parties regulators: must have way to prioritize emergency traffic ISPs: no need in backbone, can not have problem that this will fix regulators: any place, any time enterprises: you are not coming in here! regulators: only "official" emergency workers ISPs: also need to support emergency communications for customers
 regulators may determine outcome :-( ITU-T is helping

#### Summary

- for something that does not exist the IETF has quite an impact
- but treading on others' turf and IETF's turf being tread upon
- rather big money even post-bubble
- but future foggy

