A Report on the Temporary IPng Area

co-chairs

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IPng area structure

- co-chairs
- white papers
- working groups
- directorate
- review board

white papers

- provide simple description of proposals
- provide forum for community to express concerns
- provide communication channel to non-IETF community
- some white papers specifically solicited
  - IPng proposers
  - directorate members (biases & ideas)
  - people active on big-internet
  - IETF and non-IETF researchers in field
- open to all
- reviewed by directorate and review board, can suggest clarifications
  - will not block publication
- submitted as informational RFC

white paper requirements

- maximum 10 pages!

- follow an outline to be developed by directorate
  can do only part you want to talk about

  possible contents: executive summary (max 1/2 page), config, admin & operation, extensibility (mobility, flows, policy), scaling, security, timescale, transition & coexistence, action items.

- number sections & paragraphs
  keep numbers, even if only including some sections

IPng process (current plan)

- since startup on 7 Sept. 1993
- policy on IPng standards
  some proposal documents already moved to Experimental
- directorate selection
- ALE WG preliminary charter

---Houston---

- form "requirements" WG
- form "transition, coexistence and testing" WG
- define & form review board

---post Houston---

- directorate defines white paper outline

- solicit white papers
  - about IPng proposals by proposers
  - from wider community about requirements

----Seattle---

- ALE WG presents time frames

- requirements WG presents a range of requirements and time frames at which technology could meet them.

- transition... WG presents status report

----post Seattle---

- ALE timeframe placed against requirements time frame
  Area produces ID detailing process time frames

- each proposal produces white paper describing how
  it meets requirements with their accompanying time frames.

----Toronto---

- area co-chairs produce ID of recommendation
- extended Last Call issued to request community input
- IESG reviews area recommendation in light of community input
- IESG approves recommendation or requests additional effort
- loop on this page if required (sure hope not)
- one protocol advanced to Proposed
- AS produced for selected IPng

area philosophy

- proposals to be made as good as they can be
- proposals to be evaluated on technical basis
- open process
- formal processes for soliciting community input
- includes testing phase
- can't be debugged in-place

proposals to be made as good as they can be

- proposals reviewed for clarity & completeness
- proposals reviewed for technical feasibility
- negative comments should include specific suggestions
- iterative process

proposals to be evaluated on technical basis

- politics not part of decision process
- (but real world is out there)
- owning not required, cloning ok
- review done in context of proposal

open process

- all documents placed in public archives, including www/gopher IPng server
- minutes taken of directorate meetings & made public
- directorate email list <ipng@cmf.nrl.navy.mil>
- directorate email archive published weekly
- open directorate meetings at IETF meetings
  also at Interop if enough interest

formal processes for soliciting community input

- white papers

review process
- directorate

- review board

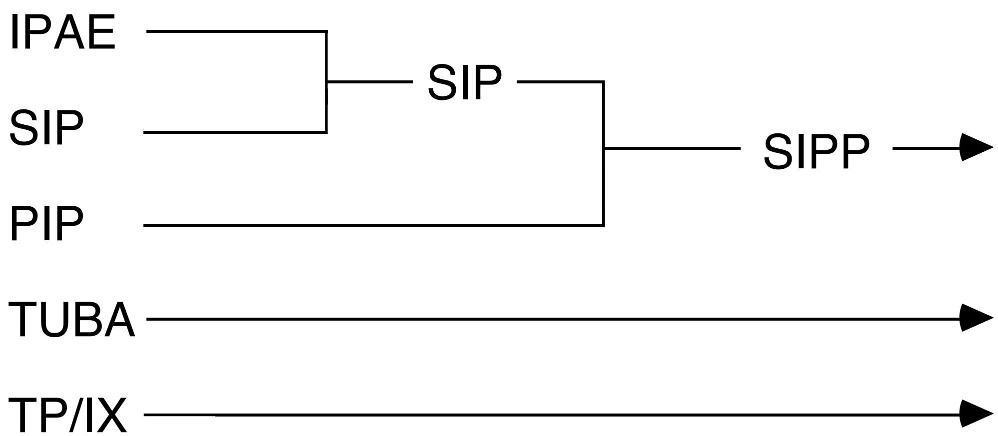
- extended Last Call

testing process

- part of transition and coexistence WG effort
- strong view that IPng can't be debugged 'in-place'

IPng Working Groups

existing



(S. Knowles)

new

- Address Lifetime Expectations (ALE)
- requirements
- transition/coexistence & testing

ALE Working Group

- recognize overlap with existing CIDR efforts
  in many forums

- gather information from all sources

- replicate as little as possible

IPng directorate procedures

- teleconferences
- open meeting at IETF
  starting with the next one
- minutes kept and published
- directorate mailing list archived
- directorate asked to read & respond to big-internet
  (where appropriate)

IPng directorate - background

- technical aces

- must be able to represent self

- must be able to articulate needs of corporation and customers

- must be able to articulate needs of community

- asked that participation be checked with corporation
  "sign on" to process
  no implication that corporation agrees to result

- willingness to help juggle 'hot potato'

IPng directorate - selection process

- solicited names of appropriate people
- from inside and outside of IETF community
- final selection insured depth on current proposals
- solicited advice on list from many
- checked with suggested person :-)
- repeated process for final list

IPng directors & directorate expertise

- security
- routing
- international, national & regional network operation
- large users
- end system manufacturers
- Unix and non-Unix platforms
- router manufacturers
- theoretical research
- protocol architecture

IPng directorate

J. Allard - Microsoft	<jallard@microsoft.com>
Steve Bellovin - AT&T	<smb@research.att.com>
Jim Bound - Digital	<bound@zk3.dec.com>
Ross Callon - Wellfleet	<rcallon@wellfleet.com>
Brian Carpenter - CERN	<brian.carpenter@cern.ch>
Dave Clark - MIT	<ddc@lcs.mit.edu >
John Curran - NEARnet	<curran@nic.near.net>
Steve Deering - Xerox	<deering@parc.xerox.com>
Dino Farinacci - Cisco	<dino@cisco.com>
Paul Francis - Bellcore	<francis@thumper.bellcore.com>
Eric Fleischmann - Boeing	<ericf@atc.boeing.com>
Daniel Karrenberg - RARE	<daniel@ripe.net>
Mark Knopper - MERIT	<mak@merit.edu>
Greg Minshall - Novell	<minshall@wc.novell.com>
Paul Mockapetris - ISI	<pvm@arpa.mil (pvm@isi.edu)>
Rob Ullmann - Lotus	<ariel@world.std.com>
Lixia Zhang - Xerox	<lixia@parc.xerox.com>

IPng review board

- facility to get review and advice from larger community
- specific areas of expertise
- industry input - but from a person
- agree to review documents & make specific suggestions

summary

- 1st it gotta work
- please help us debug process
- participate!