IAB Report

IETF 84

Vancouver, Canada

July 30, 2012

Where is the IAB?

About the IAB

- Charter (RFC 2850)
  - http://tools.ietf.org/html/rfc2850
- Website
  - http://www.iab.org/
- Programs
  - http://www.iab.org/activities/programs/
- Drafts and RFCs
  - http://wiki.tools.ietf.org/group/iab/
- Issue Tracker
  - http://trac.tools.ietf.org/group/iab/trac/report/1
- Documents & Correspondence
  - http://www.iab.org/documents/correspondence-reports-documents/
- Minutes (thanks to Cindy Morgan!)
  - http://www.iab.org/documents/

IAB Responsibilities (RFC 2850)

a. IESG Appointment

b. Architectural Oversight

c. Standards Process Oversight and Appeal

d. RFC Series and IANA

e. ISOC Liaison

f. External Liaison

IAB Programs

- Continuing Programs
  - Privacy
  - Internationalization
  - RFC Editor
  - IANA Evolution
  - Liaison Oversight
  - ITU-T Coordination
- New Programs (established at the May IAB Retreat)
  - IAB Tools and Processes
  - IP Evolution (formerly an Initiative)
  - Emergency Services (formerly an Initiative)
- Completed Initiatives
  - DNS
  - HTTP/Web Evolution
  - IPv6 for IAB Business

Public Mailing lists

- ## General Architecture Discussion
  - architecture-discuss@ietf.org
  - To join: https://www1.ietf.org/mailman/listinfo/architecture-discuss

- ## Internationalization
  - i18n-discuss@ietf.org
  - To join: https://www.ietf.org/mailman/listinfo/i18n-discuss

- ## Privacy
  - ietf-privacy@ietf.org
  - To join: https://www.ietf.org/mailman/listinfo/ietf-privacy

- ## RFC Series
  - rfc-interest@rfc-editor.org
  - To join: https://www.rfc-editor.org/mailman/listinfo/rfc-interest

Recent Technical Activities

- Workshops
  - 'Congestion Control for Interactive Real-Time Communication', 28th July 2012, Vancouver, CA.
  - Further discussion at ICCRG and RMCAT BOF sessions.
- Program activities
  - **IAB posts IPv6 privacy survey**
- Tech Chats
  - May 30, 2012: Cameron Byrne, "T-Mobile IPv6 Deployment" (IP Evolution Program)
- Document Actions
  - **IAB adopts "Technical Considerations for Internet Service Blocking"**
  - **Call for Comment on "Architectural Considerations on Application Features in the DNS"**
  - **IAB approves publication of "Design Considerations for Protocol Extensions"**
  - **IAB adopts "Principles for Unicode Code Point Inclusion in Labels in the DNS"**
  - **RFC 6574: Report from the Smart Object Workshop**

RFC Series Activities
(from www.iab.org)

- **RFC 6548: Independent Submission Editor Model**

- **RFC 6635: RFC Editor Model (Version 2)**

- **IAB re-appoints Independent Submission Editor**

- **IAB appoints RFC Series Editor**

IANA Activities

- **ICANN and IETF Execute 2012 Supplemental Agreement**

- **NTIA Awards IANA Functions Contract to ICANN**

- **IAB submits updated ICANN performance evaluation**

- **IETF Oversight of the IANA Protocol Parameter Function**

ICANN Liaison

- **IAB responds to ICANN questions concerning "The Interpretation of Rules in the ICANN gTLD Guidebook"**

- **IAB posts statement: "The interpretation of rules in the ICANN gTLD Applicant Guidebook."**

IESG Liaison

- **IAB & IESG post statement on "IAB Member Roles in Evaluating New Work Proposals"**

ISOC Liaison

- **IAB re-appoints Eric Burger to ISOC Board of Trustees**

External Liasons

- **Affirmation of the Modern Global Standards Paradigm**
- **IAB responds to liaison from the Open Networking Foundation (ONF)**
- **IAB approves publication of "IETF and ITU-T Standardization Sector Collaboration Guidelines"**
- **IAB and IESG post liaison to ITU-T TSAG**
- **IAB and IESG meet with IEEE 802 Executive Committee**
- **IETF and IAB comment on OMB Circular A-119**
- **IAB appoints Dan Romascanu as IETF liaison to IEEE-SA**

Standards Process Oversight and Appeals

- http://www.iab.org/appeals/
- There were no appeals.
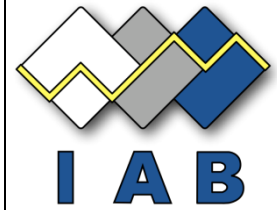
PROGRAM REPORT

IAB Programs

- Privacy (IAB Lead: Alissa Cooper)
- Internationalization (IAB Lead: Dave Thaler)
- RFC Editor (IAB Lead: Joel Halpern, Chair: Fred Baker)
- IANA Evolution (IAB Lead: Jari Arkko, Chair: Olaf Kolkman)
- Liaison Oversight (IAB Lead: Spencer Dawkins)
- ITU-T Coordination (IAB Leads: Joel Halpern & Ross Callon, Chair: Eliot Lear)
- IP Evolution (IAB Lead: Jari Arkko)
- Emergency Services (IAB Lead: Hannes Tschofenig)
- IAB Tools and Processes (IAB Lead: Mary Barnes)
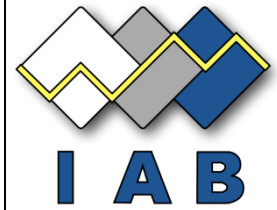
Recent IAB Tech Chats

- May 30, 2012: Cameron Byrne, "T-Mobile IPv6 Deployment" (IP Evolution Program)

- March 7, 2012: Richard Shockey, "The End of POTS" (Emergency Services Program)

- January 4, 2012: Sally Wentworth, "WCIT 2012" (ITU-T Coordination Program)

- December 7, 2011: Henning Schulzrinne, "Technology and Regulation" (Emergency Services Program)

- November 2, 2011: Dave Thaler and Stuart Cheshire, "Firewalls" (IP Evolution Program)

- September 7, 2011: Jari Arkko, Tom Phinney and Pascal Thubert, "Industrial Networks" (IP Evolution Program)

Document Status
(http://trac.tools.ietf.org/group/iab/trac/report/1)

I A B

- Published in 2012
  - RFC 6635: RFC Editor Model (Version 2) (RFC Editor Program)
  - RFC 6548: Independent Submission Editor Model (RFC Editor Program)
  - RFC 6574: Report from the Smart Object Workshop (IP Evolution Program)
  - RFC 6462: Report from the Internet Privacy Workshop (Privacy Program)
- Approved for publication within the IAB stream
  - draft-iab-rfc3356bis (ITU-T Coordination Program)
  - draft-iab-extension-recs (IP Evolution Program)
- In Call for Comment
  - draft-iab-dns-applications (DNS Initiative): 12 open issues
- IAB Work Items
  - draft-iab-anycast-arch-implications (IP Evolution Program): 4 open issues
  - draft-iab-dns-zone-codepoint-pples (Internationalization Program): 0 open issues
  - draft-iab-identifier-comparison (Internationalization Program): 0 open issues
  - draft-iab-privacy-considerations (Privacy Program): 6 open issues
  - draft-barnes-blocking-considerations (IP Evolution Program): 2 open issues
- Potential Future Work Items
  - draft-iab-modern-paradigm (Liaison Oversight Program): 6 open issues
  - draft-iab-rfc4441bis (Liaison Oversight Program): 2 open issues
  - draft-iab-smart-object-statement (IP Evolution Program): 3 open issues
  - draft-tschofenig-post-standardization (HTTP/Web Evolution Initiative): 5 open issues

RFCs Published in the IAB Stream
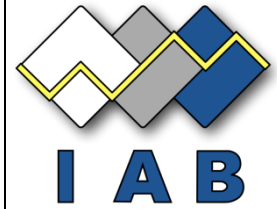

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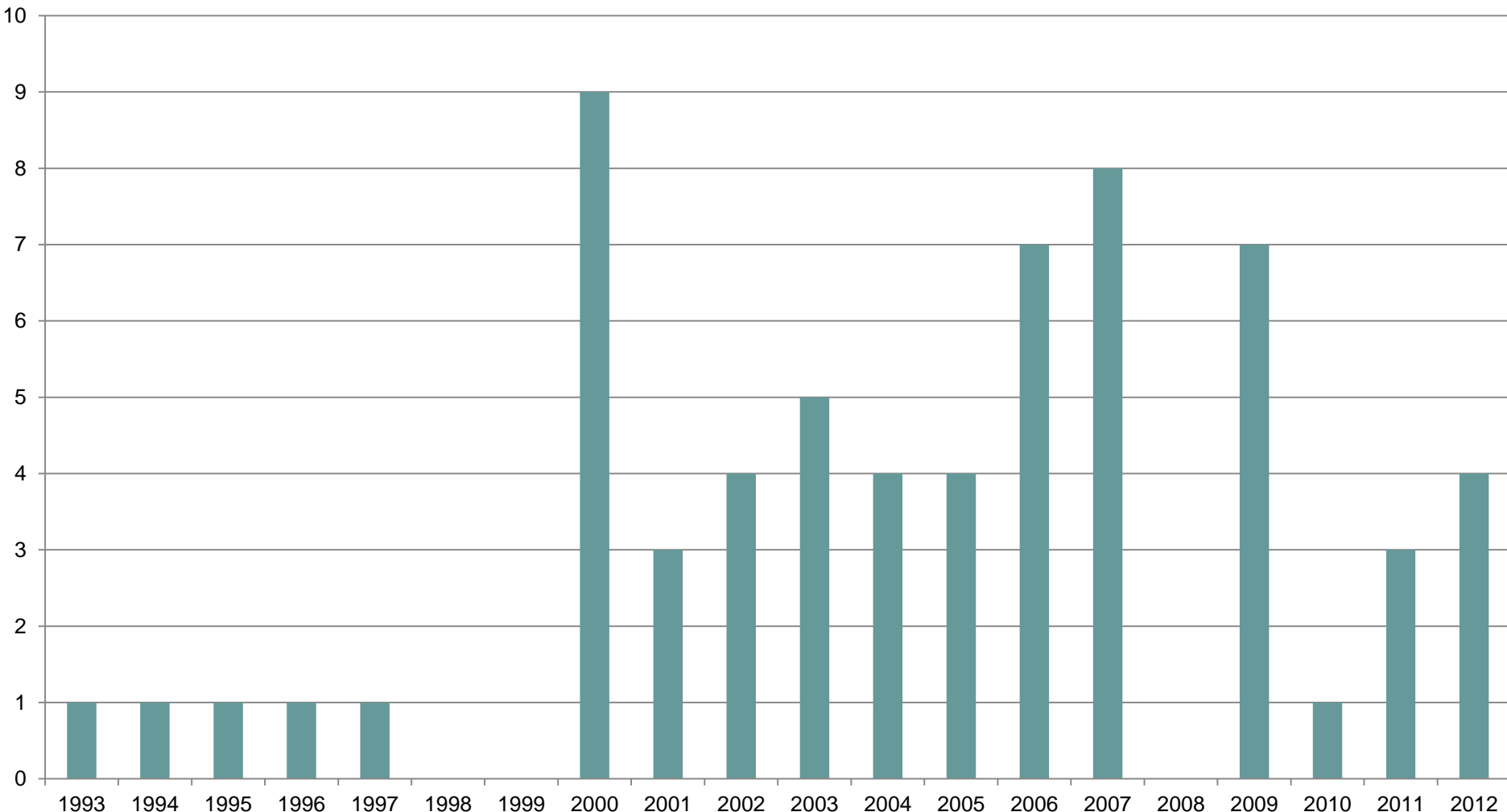
Privacy Program

- IAB Lead: Alissa Cooper
- Focus and Membership:
  - http://www.iab.org/activities/programs/privacy-program/
- Goals:
  - Consolidate, generalize, and expand privacy design considerations
  - Raise broad awareness of privacy impact and properties of Internet protocols
  - Understand most effective role for the IETF among community of SDOs, researchers, developers, and regulators working on Internet privacy

Privacy Program (cont'd)

- Recent activities
  - Privacy Considerations: http://tools.ietf.org/html/draft-iab-privacy-considerations
    - Merged with terminology document
    - Soliciting wider community review
  - IPv6 Privacy Survey
    - http://www.iab.org/2012/07/23/iab-announces-ipv6-privacy-survey/
    - Goal: Understand deployment of IPv6 privacy features
- Next steps
  - Collect and report on IPv6 survey results
  - Work with security ADs and others to raise awareness of privacy considerations among draft authors
  - Develop privacy tutorial, possibly for IETF 85

Internationalization Program

- IAB Lead: Dave Thaler
- Focus and Membership:
  - http://www.iab.org/activities/programs/internationalization-program/
- Discussion welcome at i18n-discuss@ietf.org
- Recent activities
  - Responded to ICANN questions concerning the Interpretation of Rules in the ICANN gTLD Guidebook
  - Adopted "Principles for Unicode Code Point Inclusion in Labels in the DNS" (draft-iab-dns-zone-codepoint-pples) as a work item
- Next steps
  - Finish draft-iab-identifier-comparison
  - Continue to monitor ICANN's Variant Issues Project report
  - Considering possible Workshop on display/input/usability issues with IDNs

RFC Editor Program

- IAB lead: Joel Halpern
- The program activities are carried out by the RFC Series Oversight Committee (RSOC):
    - http://www.iab.org/activities/programs/rfc-editor-program/
- Community review of these and other related program activities takes place on rfc-interest@rfc-editor.org
- The RFC Editor Model revision (5620bis) is complete:
    - http://www.rfc-editor.org/rfc/rfc6635.txt (RFC Editor Model v2)
    - http://www.rfc-editor.org/rfc/rfc6548.txt (ISE Model)
- The RSE is leading an effort to determine community needs and appropriate steps regard the format of RFCs
    - RFC Format BoFs have been held at the Paris and Vancouver IETF meetings
    - Process for community input and review described in RFC 6635.
- RSE budget planning for 2013 is under way,.

IANA Evolution Program

- IAB Lead: Jari Arkko

- Chair: Olaf Kolkman

- Focus and Membership:

  - http://www.iab.org/activities/programs/iana-evolution-program/

- Tasks:
  - Strategic planning for the relationship(s), building on RFC 6220
  - Tracking developments with respect to the IANA Functions contract
  - Responding to specific developments and information requests
- IANA Functions Contract
  - Documentation of existing practices and service level agreements
  - Evaluation of agreements and practices from the perspective of the Internet and IETF communities
  - Ongoing conversations with NTIA, ICANN and the I* leadership
- Developments
  - **ICANN and IETF Execute Supplemental Agreement**
  - **NTIA Awards IANA Functions Contract to ICANN**
  - **IAB submits updated ICANN performance evaluation**
  - **IETF Oversight of the IANA Protocol Parameter Function**

Liaison Oversight Program

- IAB Lead: Spencer Dawkins
- Focus:
    - http://www.iab.org/activities/programs/iab-liaison-coordination-program/
- Recent activities
    - IETF/IEEE 802 leadership meeting on July 25
    - Review of New-Work mailing list subscription practices
    - Comment on proposal for IAB statement to WCIT
- Next Steps
    - Revision of IETF/IEEE 802 relationship document (RFC 4441)
    - Identify missing liaison relationships with other SDOs

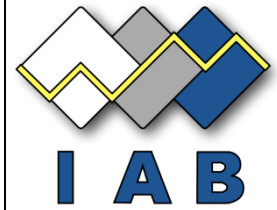# ITU-T Coordination Program

- ITU-T is at a crossroads on how it deals with other organizations
  - Reviewing how it handles normative references
  - Reviewing how it liaises to other organizations, and how it accepts liaisons
  - IETF is part of this review

  Our Goal: avoid "re-specification" of our works, which would cause interoperability and safety risks, as well as potential IPR issues:

  IAB and IESG post liaison to ITU-T TSAG

- Ongoing efforts to monitor, and where possible respond appropriately to ITU-T activities regarding the IETF
  - MPLS, IPv6 Security, Web "Mashups", DPI, Security & Billing models that impact the architecture, Naming

- We are actively coordinating with other SDOs (particularly W3C and IEEE-SA) in preparation for WTSA.
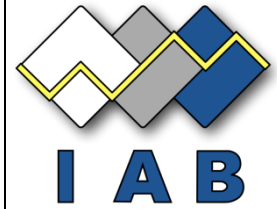
Notable Events

- Update to collaboration Guidelines Approved by IAB and ITU-T TSAG

  - http://tools.ietf.org/html/draft-iab-rfc3356bis

- IPv6 Group concluded, with a statement that existing allocation mechanisms are sufficient (remaining activities moved to ITU-D)

- IESG approved "ACh type" for G.8113.1 upon its approval by the ITU-T

- TSB has agreed to begin sending "new-work" notices

- 3 outbound, 11 inbound liaisons
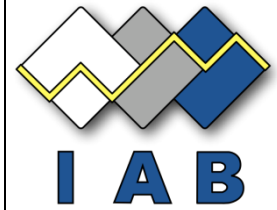
Upcoming Activities

- Russ Housley will present at ITU-T Global Standards Symposium on behalf of IETF
- ITU-T will hold its quadrennial organizational conference in November (we are monitoring for overlapping areas of interest)
- WCIT will occur directly thereafter to revise International Telecommunciation Regulations (ITRs)
- We will continue to coordinate with other interested standards organizations

IP Evolution Program

- IAB Lead: Jari Arkko
- Focus and membership: http://www.iab.org/activities/initiatives/ip-evolution/
- Discussion welcome at architecture-discuss@ietf.org
- Activities since the last IETF:
  - Several tech chats and discussion of potential new topics.
- Considering new work on:
  - Power and cost and the changing requirements for energy efficiency
  - Architectural implications of smart object networking
  - Implications of firewalls, middleboxes, and functionality moving to higher layers of the stack
- IAB documents and correspondence:
  - Architectural Implications of IP Anycast
  - Discussion of IAB statement on Smart Objects
- RFCs
  - Publication of Smart Objects Workshop Report (RFC 6574)

Emergency Services Program

- IAB Lead: Hannes Tschofenig
- Focus and membership:
  http://www.iab.org/activities/initiatives/emergency-services/
- Discussion welcome at architecture-discuss@ietf.org
- Recent Activities
  - IAB approval of the proposed charter and membership.
  - 1st phone conference call: presentation about the FCC Communications Security, Reliability and Interoperability Council (CSRIC) and the Emergency Access Advisory Committee (EAAC)
- Documents and correspondence
  - IAB sends letter to the European Commission on Global Interoperability of Emergency Services
- Next steps
  - Liaison to ETSI M493
  - Follow-up discussion on "gaps".
  - High-level whitepaper

IAB Processes and Tools

- IAB Lead: Mary Barnes
- Focus and membership: http://www.iab.org/activities/programs/iab-tools-and-processes-program/
- Recent Activities:
  - Getting all the documents in the right state in the tracker.
  - Updating Programs on the IAB and internal wiki webpages
  - New mailing list for new activities and programs.
- Next steps: IPv6 for IAB internal website and other ongoing activities

Questions?