

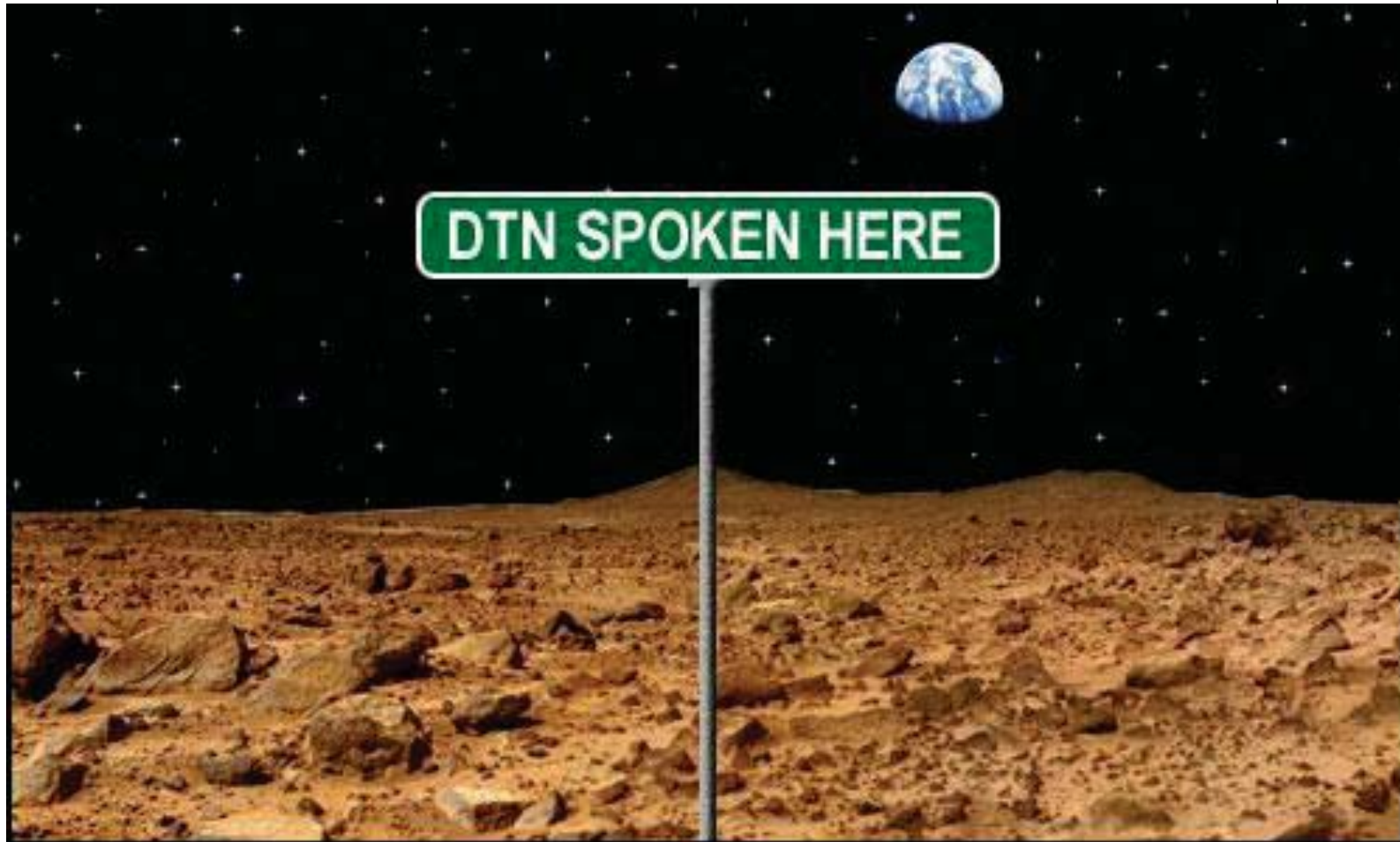
# IAB Report

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IETF 84  
Vancouver, Canada  
July 30, 2012



## Where is the IAB?

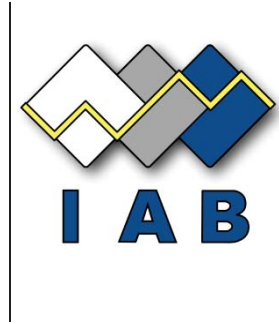




# About the IAB

- 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)

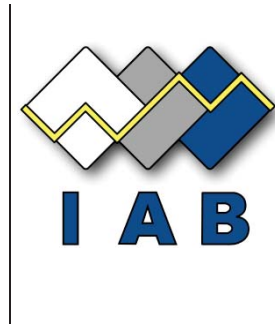


- a. IESG Appointment
- b. Architectural Oversight
- c. Standards Process Oversight and Appeal
- d. RFC Series and IANA
- e. ISOC Liaison
- f. External Liaison



# 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](mailto:architecture-discuss@ietf.org)
- To join: <https://www1.ietf.org/mailman/listinfo/architecture-discuss>

- Internationalization

- [i18n-discuss@ietf.org](mailto:i18n-discuss@ietf.org)
- To join: <https://www.ietf.org/mailman/listinfo/i18n-discuss>

- Privacy

- [ietf-privacy@ietf.org](mailto:ietf-privacy@ietf.org)
- To join: <https://www.ietf.org/mailman/listinfo/ietf-privacy>

- RFC Series

- [rfc-interest@rfc-editor.org](mailto: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’, 28<sup>th</sup> 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](http://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 Liaisons

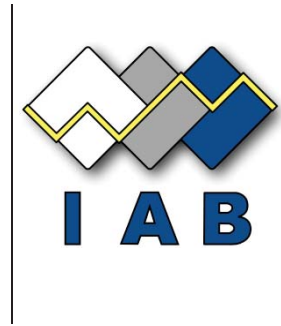


- [Affirmation of the Modern Global Standards Paradigm](#)
- [IAB responds to liaison from the Open Networking Foundation \(ONF\)](#)
- [IAB approves publication of “IETF and ITU-T Standardization Sector Collaboration Guidelines”](#)
- [IAB and IESG post liaison to ITU-T TSAG](#)
- [IAB and IESG meet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

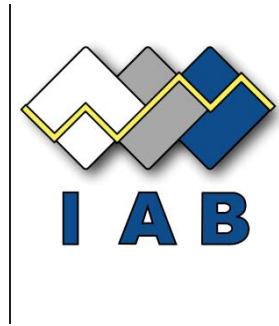
# Standards Process Oversight and Appeals



- <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

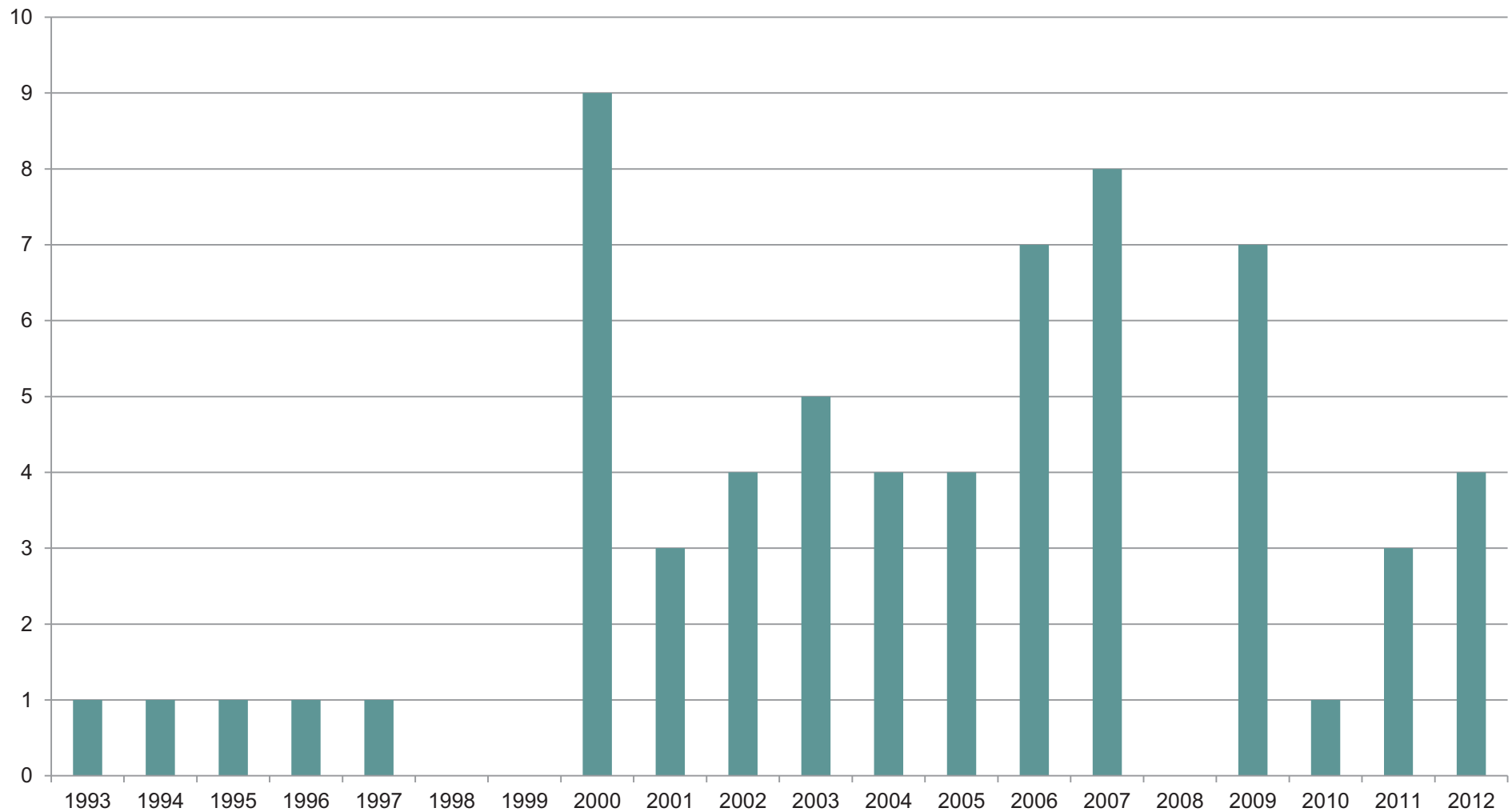
(<http://trac.tools.ietf.org/group/iab/trac/report/1>)

- 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

RFCs Published within the IAB Stream



# 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](mailto: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](mailto: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:

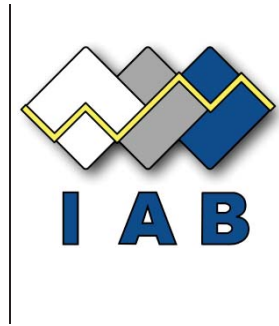
[IAB and IESG post liaison to ITU-T TSAG](#)

- 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 Telecommunication 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](mailto: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](mailto:architecture-discuss@ietf.org)
- Recent Activities
  - IAB approval of the proposed charter and membership.
  - 1<sup>st</sup> 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?

