

IAB Report

IETF 85

Atlanta, Georgia

November 7, 2012



Architectural Issues in the News



Source: Jari Arkko

Slide 2

IAB Highlights Since IETF 84



- IAB/IRTF Congestion Control Workshop
 - Workshop materials and minutes available: <http://www.iab.org/activities/workshops/cc-workshop/>
 - Initial draft of the workshop report: [draft-tschofenig-cc-workshop-report](#)
- Privacy
 - [IAB posts IPv6 privacy survey](#)
- RFC Editor
 - RFC Format BOF (RFCFORM) at IETF 85
- Appointments
 - [IAB Call for IAOC Nominations 2013](#)
 - [IAB re-appoints Ole Jacobsen as IETF representative to the ICANN Nomcom](#)



External Liaisons

- OpenStand
 - Russ Housley to present OpenStand at ITU-T Global Standards Symposium (GSS)
 - [Call for Comment: 'Affirmation of the Modern Paradigm for Standards' to Informational RFC](#)
 - [Leading Global Standards Organizations Endorse 'OpenStand' Principles that Drive Innovation and Borderless Commerce](#)
- [RFC 6756: IETF and ITU-T Standardization Sector Collaboration Guidelines](#)
- IEEE 802 liaison
 - [Minutes of IETF/IEEE 802 meeting posted](#)
 - Planned revision of “The IETF/IEEE 802 Relationship” (RFC 4441) under development. Initial draft: [draft-dawkins-iab-rfc4441rev](#)
- [IAB sends liaison to Open Mobile Alliance](#)
- [IAB responds to liaison from the Open Networking Foundation \(ONF\)](#)

Standards Process Oversight and Appeals



- <http://www.iab.org/appeals/>
- There were no appeals.



PROGRAM REPORT



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)

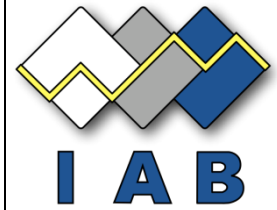


- a. IESG Appointment
- b. Architectural Oversight
- c. Standards Process Oversight and Appeal
- d. RFC Series and IANA
- e. ISOC Liaison
- f. External Liaison



IAB Programs

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



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>



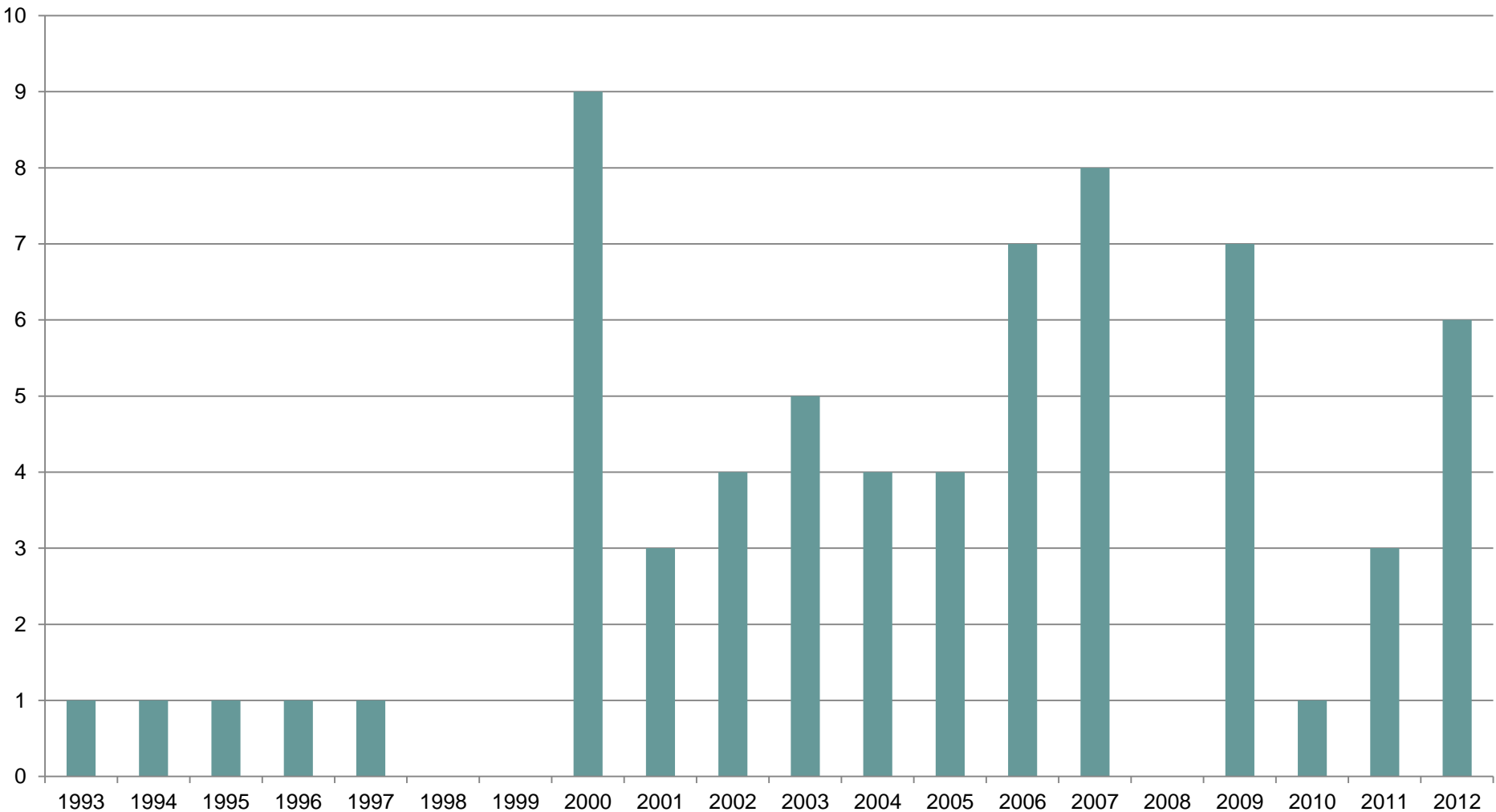
IAB Tech Chats

- December 5, 2012: Andrew Sullivan, “IDN TLD Variants” (Internationalization Program)
- October 3, 2012: Don Blumenthal, “Filtering” (IP Evolution Program)
- 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)



RFCs Published in the IAB Stream

RFCs Published within the IAB Stream



Document Status (1/2)

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



- Published in 2012
 - RFC 6756: IETF and ITU-T Standardization Sector Collaboration Guidelines (ITU-T Coordination Program)
 - RFC 6709: Design Guidelines for Protocol Extensions (IP Evolution Program)
 - 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)
- Completed Call for Comment
 - draft-iab-dns-applications (DNS Initiative): 16 open issues
 - draft-iab-dns-zone-codepoint-pples (Internationalization Program): 4 open issues
 - draft-iab-modern-paradigm (Liaison Oversight Program): 0 open issues



Document Status (2/2)

- In IAB Last Call
 - draft-iab-identifier-comparison (Internationalization Program): 2 open issues
 - draft-iab-privacy-considerations (Privacy Program): 9 open issues
- IAB Work Items
 - draft-iab-anycast-arch-implications (IP Evolution Program): 4 open issues
 - draft-iab-filtering-considerations (IP Evolution Program): 6 open issues
- In Call for Adoption
 - draft-tschofenig-smart-object-statement (IP Evolution Program): 4 open issues
 - draft-blanchet-iab-internetoverport443 (3 open issues)
- Potential Future Work Items
 - draft-dawkins-iab-rfc4441rev (Liaison Oversight Program): 2 open issues
 - draft-tschofenig-post-standardization (HTTP/Web Evolution Initiative): 5 open issues

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)

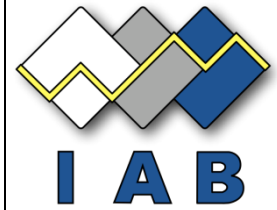


- Recent activities
 - Privacy Considerations: <http://tools.ietf.org/html/draft-iab-privacy-considerations>
 - In IAB Last Call
 - IPv6 Privacy Survey
 - <http://www.iab.org/2012/07/23/iab-announces-ipv6-privacy-survey/>
 - Handful of responses received
- Next steps
 - Write-up about IPv6 privacy
 - Work with security ADs and others to raise awareness of privacy considerations among draft authors
 - Develop privacy tutorial, possibly for IETF 86

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
 - “Principles for Unicode Code Point Inclusion in Labels in the DNS” ([draft-iab-dns-zone-codepoint-pples](#)) completed Call for Comment.
 - [draft-iab-identifier-comparison](#) now in IAB last call.
- Next steps
 - Update of [draft-iab-dns-zone-codepoint-pples](#)
 - Call for comment on [draft-iab-identifier-comparison](#)
 - Continue to monitor ICANN’s Variant Issues Project report
 - 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 takes place on rfc-interest@rfc-editor.org
- The RSE is leading an effort to determine community needs and appropriate steps regarding the format of RFCs
 - Current Internet Draft: draft-rfc-format-flanagan
 - Process for community input and review described in RFC 6635.
 - RFC Format BOF (RFCFORM)
 - Wednesday, November 7: 1440-1540 Salon E



ITU-T Coordination Program

- WTSA and WCIT
 - These meetings create the organizational and scoping definitions for ITU-T
- Key issues for the IETF:
 - Need to balance our concerns with respect for the fact that this is an ITU-T organizational activity
 - We can not tell ITU-T how to organize any more than ITU-T can tell the IETF such.
 - We would like documented process to respect our scope:
 - Proper use of the Internet architecture (Res. 64, et al)
 - Proper referencing of our work without risk of the ITU-T respecifying it.
 - Proper use of our processes for codepoint assignment.
 - Encourage participation in our standards process when our standards are involved.
 - In general, support respect for SDOs and their work.



Notable Events Since July

- RFC 6756 updates collaboration Guidelines between the two organizations.
- X.1541, reflects the contents of RFC-5070
- TSB has begun sending “new-work” notices
- Meeting of the Program and Liaisons in October to prepare for GSS and WTSA
 - Report from CITELE meeting: good awareness regarding IETF standards, but poor awareness of the IETF itself.



Upcoming Activities

- Russ Housley will present and discuss OpenStand at ITU-T Global Standards Symposium on behalf of IETF
- WTSA in November
- WCIT will occur directly thereafter to revise International Telecommunication Regulations (ITRs)
- We will continue to coordinate with other interested standards organizations

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
- IANA Functions Contract
 - RFCs, MoUs, SLAs and NTIA contracts in place
- Developments
 - Ongoing conversations with I* leadership, ICANN, ISOC, NRO/RIR, NTIA; thought exercises about the future of these relationships

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
- Notable events
 - RFC 6709 on design guidelines for protocol extensions published
 - Draft on smart object architectural considerations up for adoption
 - Draft on implications of blocking other ports than 80/443 up for adoption

Liaison Oversight Program



- IAB Lead: Spencer Dawkins
- Focus:
 - <http://www.iab.org/activities/programs/iab-liaison-coordination-program/>
- Recent activities
 - Revision of IEEE 802/IETF relationship document is underway
 - New mailing list created for IEEE 802/IETF Coordination
 - Instituted periodic IEEE 802/IETF leadership meetings
- Next Steps
 - Complete revision of IETF/IEEE 802 relationship document

Emergency Services Program



- IAB Lead: Hannes Tschofenig
- Focus and membership:
<http://www.iab.org/activities/programs/emergency-services/>
- Discussion welcome at architecture-discuss@ietf.org
- Recent Activities
 - Face-to-face meeting at Vancouver IETF meeting to discuss a liaison to M493 and the accuracy of third party location-based services for use with emergency services.
 - Conference call about liaison to ETSI M493 group, and WCIT proposals that relate to "universal and emergency services"
- Documents and correspondence
 - IAB letter to the European Commission on Global Interoperability of Emergency Services
 - IETF initiated discussions on emergency services support for XMPP and RTCWEB.
- Next steps
 - High-level whitepaper on IETF emergency services architecture.
 - Opinion on WCIT proposals that relate to "universal and emergency services"

IAB Processes and Tools



- IAB Lead: Mary Barnes
- Focus and membership:
<http://www.iab.org/activities/programs/iab-tools-and-processes-program/>
- Recent Activities:
 - Updating Programs on the IAB and internal wiki webpages
 - New mailing lists for new activities and programs.
 - Cleaning up wiki – a slow process as it's necessary to ensure information isn't lost
- Next steps:
 - IPv6 for IAB internal website
 - Complete program updates
 - Complete cleanup of internal wiki homepage
 - Other ongoing tasks

Questions?

