

IAB Report

IETF 83

Paris, France

March 26, 2012



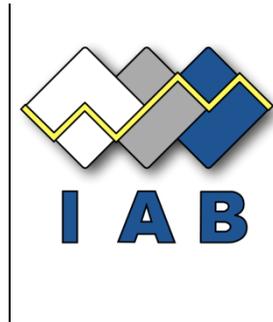


Where is the IAB?



Source: Jari Arkko

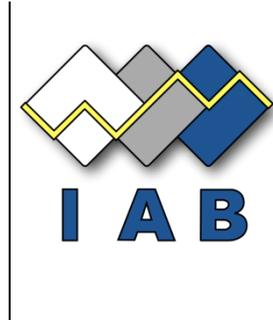
Slide 2



About the IAB

- Charter (RFC 2850)
 - <http://tools.ietf.org/html/rfc2850>
- Website
 - <http://www.iab.org/>
- Programs and Initiatives
 - <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 Membership

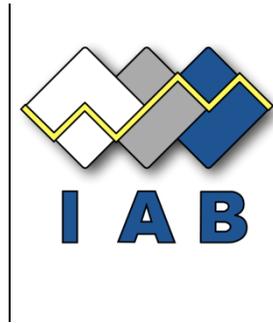


- Outgoing members
 - Olaf Kolkman, (IAB Chair, 2007 – 2011)
 - Andrei Robachevsky
 - Dow Street (Executive Director, 2008 – 2011)
- Incoming members
 - Jari Arkko
 - Marc Blanchet
 - Mary Barnes (current Executive Director)
- Incumbents (terms expiring in 2013)
 - Alissa Cooper
 - Joel Halpern
 - Russ Housley, IETF Chair
 - David Kessens
 - Danny McPherson
 - Jon Peterson
 - Dave Thaler
- Returning members
 - Bernard Aboba
 - Ross Callon
 - Spencer Dawkins
 - Hannes Tschofenig



IAB Programs & Initiatives

- Programs
 - Privacy
 - Internationalization
 - RFC Editor
 - IANA Evolution
 - Liaison Oversight
 - ITU-T Coordination
- Initiatives
 - IP Evolution
 - Emergency Services (new)
 - HTTP/Web Evolution
 - DNS
 - 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 IAB Activities

(from www.iab.org)



- [IAB appoints Dan Romascanu as IETF liaison to IEEE-SA](#)
- [IAB solicits nominations for the Internet Society Board of Trustees](#)
- [IAB posts statement: “The Interpretation of rules in the ICANN gTLD Applicant Guide Book”](#)
- [NomCom Announces IAB Appointments](#)
- [IAB approves publication of “Report from the ‘Interconnecting Smart Objects with the Internet’ Workshop, 25th March 2011, Prague”](#)
- [IAB approves publication of “Independent Submission Editor Model”](#)
- [IAB Responds to ITU-T TSAG liaison on “Update of IETF and ITU-T Collaboration Guidelines”](#)
- [RFC 6462: Report from the Internet Privacy Workshop](#)
- [IAB re-appoints Independent Submission Editor](#)
- [IAB nominates representatives to the Multi-Stakeholder Platform on ICT Standardisation](#)
- [IAB establishes Emergency Services Initiative](#)
- [IAB appoints Mary Barnes as Executive Director](#)
- [IAB posts IETF 82 Technical Plenary minutes and presentations](#)
- [IAB submits ICANN Performance Evaluation](#)
- [IAB seeks Executive Director](#)
- [IAB adopts draft on Privacy Terminology](#)
- [IAB reviews performance of the Independent Submission Editor](#)
- [IAB appoints RFC Series Editor](#)



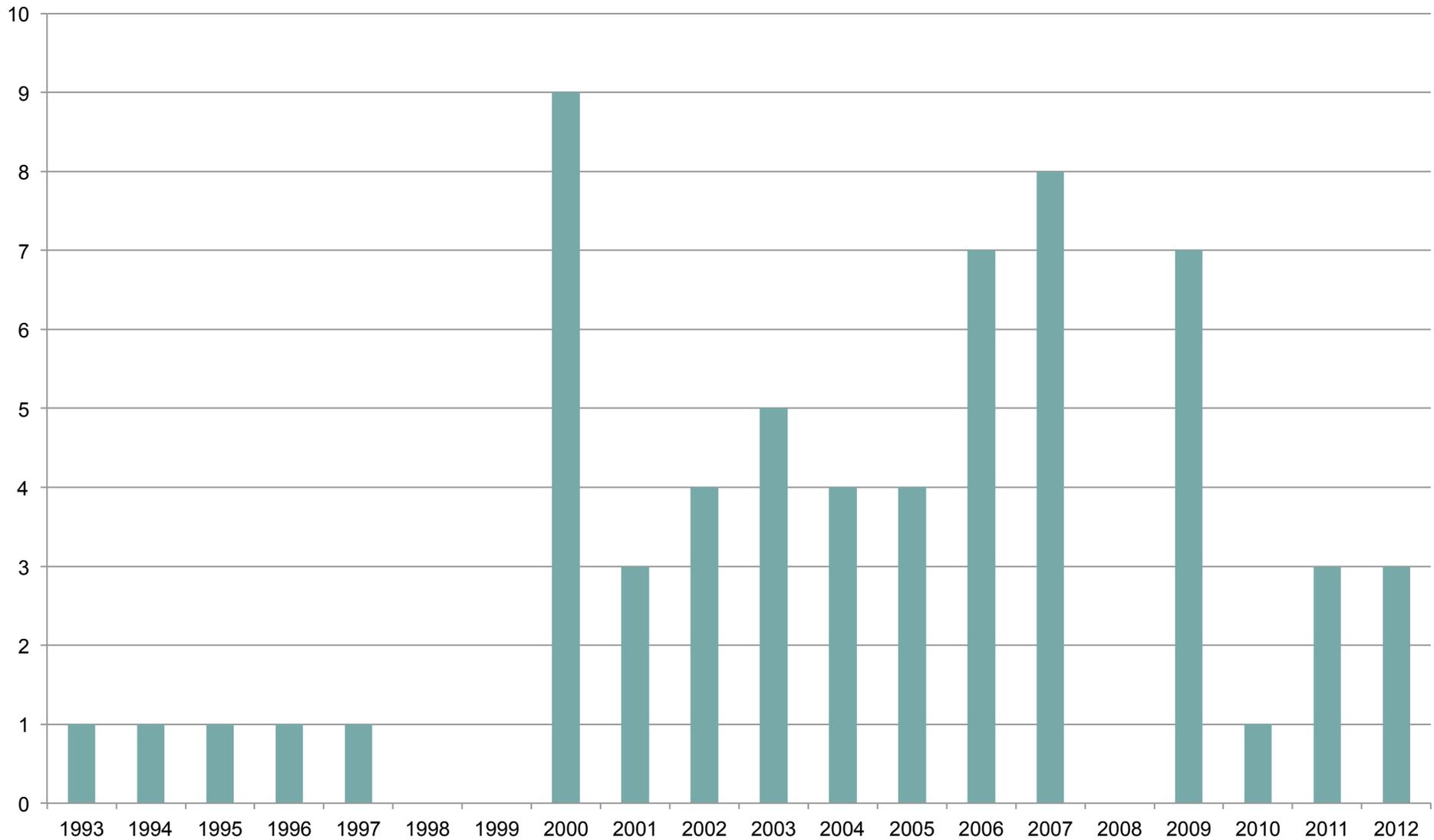
Document Status

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

- Published
 - RFC 6462: Report from the Internet Privacy Workshop
- In the RFC Editor Queue
 - RFC 6548: Independent Submission Editor Model
 - RFC 6574: Report from the Smart Object Workshop
- Completed “Call for Approval”
 - draft-iab-extension-recs
 - draft-iab-rfc-editor-model-v2
- IAB Work Items
 - draft-iab-anycast-arch-implications
 - draft-iab-dns-applications
 - draft-iab-identifier-comparison
 - draft-iab-privacy-considerations
 - draft-iab-privacy-terminology



RFCs Published in the IAB Stream

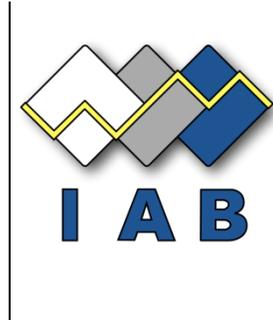


RFC Series



- IAB approves publication of “Independent Submission Editor Model”
- IAB re-appoints Independent Submission Editor
- IAB reviews performance of the Independent Submission Editor
- IAB appoints RFC Series Editor

IESG Liaison



- IAB/IESG statement on the “IAB Role in New Work”

ICANN Liaison



- [IAB posts: “The Interpretation of rules in the ICANN gTLD Applicant Guide Book”](#)
- [IAB submits ICANN Performance Evaluation](#)
- [IAB appoints Peter Koch as liaison to the RSSAC](#)

External Liaisons

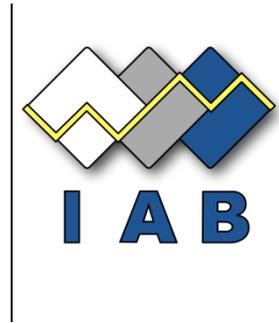


- [IAB sends letter to the European Commission on global interoperability in emergency services](#)
- [IAB appoints Dan Romascanu as IETF liaison to IEEE-SA](#)
- [IAB Responds to ITU-T TSAG liaison on “Update of IETF and ITU-T Collaboration Guidelines”](#)
- [IAB nominates representatives to the Multi-Stakeholder Platform on ICT Standardisation](#)

Standards Process Oversight and Appeals



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



PROGRAM AND INITIATIVE REPORT



IAB Programs & Initiatives

- Programs
 - Privacy
 - Internationalization
 - RFC Editor
 - IANA Evolution
 - Liaison Oversight
 - ITU-T Coordination
- Initiatives
 - IP Evolution
 - Emergency Services (new)
 - HTTP/Web Evolution
 - DNS
 - IPv6 for IAB Business



Recent Technical Plenaries

- IETF 83: Implementation Challenges with Browser Security (HTTP/Web Evolution Initiative)
- IETF 82: Interconnecting Smart Objects with the Internet (IP Evolution Initiative)
- IETF 81: World IPv6 Day, The Web Privacy Tussle (Privacy Program)
- IETF 80: The Future of Applications (HTTP/Web Evolution Initiative)
- IETF 79: IPv6 Operation and Transitional Issues (IP Evolution Initiative)



Recent IAB Tech Chats

- March 7, 2012: Richard Shockey, “The End of POTS” (Emergency Services Initiative)
- January 4, 2012: Sally Wentworth, “WCIT 2012” (ITU-T Coordination Program)
- December 7, 2011: Henning Schulzrinne, “Technology and Regulation” (Emergency Services Initiative)
- November 2, 2011: Dave Thaler and Stuart Cheshire, “Firewalls” (IP Evolution Initiative)
- September 7, 2011: Jari Arkko, Tom Phinney and Pascal Thubert, “Industrial Networks” (IP Evolution Initiative)

Privacy Program



- IAB Lead: Alissa Cooper
- Focus and Membership:
 - <http://www.iab.org/activities/programs/privacy-program/>
- Discussion welcome at ietf-privacy@ietf.org
- 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 – update in progress
<http://tools.ietf.org/html/draft-iab-privacy-considerations>
 - Terminology – discussions on ietf-privacy list, update in progress
<http://tools.ietf.org/html/draft-hansen-privacy-terminology>
 - Privacy Standards Meeting
 - OASIS, ISOC, ETSI, ISO, ITU-T, W3C in attendance
 - Helpful information sharing about various SDO privacy efforts
 - IETF 81 technical plenary: The Web Privacy Tussle
- Next steps
 - Program meeting at IETF 83 to progress the drafts
 - Initial application of privacy considerations to new drafts (e.g., draft-ietf-intarea-nat-reveal-analysis)
 - Possible development of privacy tutorial for a future IETF meeting

Internationalization Program



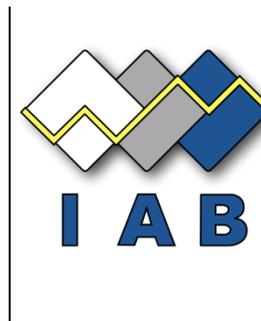
- IAB Lead: Dave Thaler
- Focus and Membership:
 - <http://www.iab.org/activities/programs/internationalization-program/>
- Discussion welcome at i18n-discuss@ietf.org
- Recent activities
 - Published statement on ICANN gTLD guidebook rules
 - Verified that Unicode 6.1 changes are backward compatible and ok for IDNA 2008
 - Reviewing ICANN' s “Variant Issues Project report”
 - Created draft on identifier comparison security issues
 - Considering possible workshop on display/input/usability issues with IDNs

Internationalization Program (cont' d)



- IAB Documents:
 - [IAB Statement: “The interpretation of rules in the ICANN gTLD Applicant Guidebook”](#)
 - draft-iab-identifier-comparison-01: Issues in Identifier Comparison for Security Purposes

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
- Independent Submission Editor (ISE) re-appointment
 - ISE Model document now in the RFC Editor queue:
 - <http://tools.ietf.org/html/draft-iab-ise-model>
- RFC Series Editor (RSE) appointment
 - Heather Flanagan was appointed RSE by the IAB
 - This was announced December 2, 2011, and she began serving on January 2, 2012
- Progress on the RFC Editor Model is ongoing:
 - The RFC Editor Model v2 document is being revised:
 - <http://tools.ietf.org/html/draft-iab-rfc-editor-model-v2>
 - Revision was posted on February 9, 2012

IANA Evolution Program



- IAB Lead: Olaf Kolkman
- Focus and Membership:
 - <http://www.iab.org/activities/programs/iana-evolution-program/>
- IANA rebid by NTIA
 - Response to NTIA's NOI and FNOI
 - Various conversations with NTIA staff, including visits to NTIA DC offices
 - Communication among I* organization leadership
 - I* leadership meeting in Miami
 - IAB tracking developments carefully
 - Review of RFP/SoW for IETF usability and best interests of the Internet at large
 - NTIA currently in “quiet period” prior to contract award.
 - IAB evaluation of ICANN Performance:
 - <http://www.iab.org/wp-content/IAB-uploads/2011/12/IAB-Past-Performance-Questionnaire.pdf>

Liaison Oversight Program



- IAB Lead: Spencer Dawkins
- Focus and Membership:
 - <http://www.iab.org/activities/programs/iab-liaison-coordination-program/>
- Recent activities
 - [IAB appoints Dan Romascanu as IETF liaison to IEEE-SA](#)
 - [IAB nominates Olaf Kolkman and Hannes Tschofenig to the European multi-stakeholder platform on ICT standardisation](#)
<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:C:2011:349:0004:0006:EN:PDF>
- Next Steps
 - Review New-Work mailing list practices
 - ISOC/IETF/IEEE-SA conference call
 - Identify missing liaison relationships with other SDOs

ITU-T Coordination Program

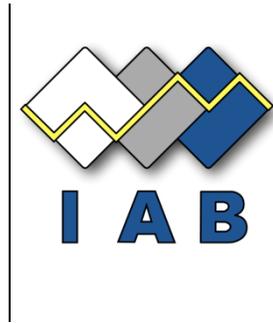


- ITU-T is at a crossroads on how it deals with other organizations
 - Reviewing how it handles normative references
 - Reviewing how it liaises to other organizations, and how it accepts liaisons
 - IETF is part of this review
- Coordination meeting held in Taipei
 - Prepared for SG15 meeting in December
- SG15 / MPLS-TP OAM: Both G.8113.1 and G.8113.2 (IETF solution) not approved in December
 - Scott Mansfield, Sally Wentworth and a team led the effort
- TSAG: IETF / ITU-T MoU (RFC-3356 / Recommendation A Supplement 3) under review
 - IETF Liaison Manager to the ITU co-chaired ad hoc meeting in Geneva
 - Revision to take into account 9 years of updated procedures on both sides
 - IAB and TSAG have agreed on a process to update the document
- Program Offsite held 31 Jan – 1 Feb
 - Continuing to evolve our long term view and goals for ITU-T relationship
 - Discussion on G.8113.1 and G.8113.2 next steps: ACH IANA code point required
 - Consistent messaging plan discussed
 - RFC-3356/A.supp3 next steps

ITU-T Coordination Program (Cont' d)



- RFC-3356 Draft update to come out in April for review
 - Intended to continue to be an IAB document, as its predecessor was
 - Intended approval by the TSAG and IAB in July
- WTSA Preparations will continue
- SG17 meeting imminent
- SG15 MPLS-TP OAM
 - G.8113.2 will be discussed in September
 - G.8113.1 will be considered at WTSA in November
- IETF will participate, if invited, in ITU-T discussions about the Union's, and the T-Sector's continued evolution



ITU-T Liaison Actions

- [IAB Responds to ITU-T TSAG liaison on “Update of IETF and ITU-T Collaboration Guidelines”](#)

IP Evolution Initiative



- IAB Lead: Danny McPherson
- Focus and membership:
<http://www.iab.org/activities/initiatives/ip-evolution/>
- Discussion welcome at architecture-discuss@ietf.org
- Recent Activities
 - IETF 82 technical plenary: Interconnecting Smart Objects with the Internet
 - Consideration of “Referrals” problem space
 - Tech Chat on Firewalls
 - IETF 79 technical plenary: IPv6 Operation and Transitional Issues
- IAB documents and correspondence
 - Architectural Implications of IP Anycast (Completed Call for Comment)
 - Smart Objects Workshop Report (In the RFC Editor Queue)
 - Discussion of IAB statement on Smart Objects
- RFCs
 - Evolution of the IP Model (RFC 6250)
 - IAB Thoughts on IPv6 Network Address Translation (RFC 5902)

Emergency Services Initiative



- 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
 - Followup discussion on “gaps”.

HTTP/Web Evolution



- IAB Lead: Jon Peterson
- Focus and membership:
<http://www.iab.org/activities/initiatives/http-web-evolution/>
- Discussion welcome at architecture-discuss@ietf.org
- Proposed Work Items:
 - IAB Technical Plenary talk on Future of Web Applications [Done]
 - Techchat discussion about Real-Time Communication in the Web Browser [Done]
 - Development of guidelines for protocol designers concern the development of HTTP-based protocols
 - Trends in Web Applications and the Implications on Standardization
- Recent Activities
 - IETF 83 technical plenary: Implementation Challenges with Browser Security
 - IETF 80 technical plenary: The Future of Applications
- Documents and correspondence
 - draft-tschofenig-post-standardization
 - draft-tschofenig-secure-the-web
- Next steps
 - Planning of IETF 83 meeting on HTTP protocol guidelines.
 - Continued work on the IETF 83 plenary preparation
 - Development of a workshop proposal (potentially with ISOC and W3C)

IPv6 for IAB Business



- IAB Lead: Bernard Aboba
- Focus and membership:
<http://www.iab.org/activities/initiatives/ipv6-for-iab-business/>
- Recent Activities
 - IETF 82 discussion of IAB remote participation with Paul Hoffman
 - RFP for Remote Participation Services Specification Development:
<https://www.ietf.org/ibin/c5i?mid=6&rid=49&gid=0&k1=934&k2=9945&tid=1329958907>
 - Member solicitation:
<http://www.iab.org/2011/09/04/iab-solicits-participants-in-the-ipv6-for-iab-business-initiative/>
- Next steps
 - Investigation of alternatives for realtime communications over IPv6:
 - RTCWEB
 - SIP over IPv6
 - Testing

Questions?

